

FMedia!

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Bruce F. Elving, Ph.D., Publisher
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A NEWSLETTER OF FACT AND OPINION ABOUT
FM RADIO AND RELATED TECHNOLOGIES—
FROM THE PUBLISHERS OF THE
"FM ATLAS AND STATION DIRECTORY"

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New FM Station, Translator Grants

AR Lowell 101.9 50000 h,v; 150 m, Whitman Bcstg. [booster of Long Beach station
CA North Hollywood KSKQ-FM1 97.9 10-w/
FL Tallahassee *88.9 90000 h,v; 379 m, FL State U. [Public Radio
HI Lihue *90.1 25000 h,v; 100 m, HI/
IL Chicago *88.3 260 h,v; 38 m, d [directional antenna], St. Francis Xavier College (103rd St., between Kedzie and Pulaski—across town from WZRQ *88.3, which is at 5500 N. St. Louis Avenue, not sharing time, with neither station delivering FCC-mandated "principal city" coverage over its city of license)
KS Emporia 99.5 3000 h,v; 100 m, C. D. Coffelt
KY Elizabethtown *90.9 7500 h,v; 180 m, W. KY U. [g, J. Swaggart Ministries
LA Baton Rouge *88.5 25000 h,v; 83 m, /
LA Folsom (transmitter to be 10 km east—located between Hammond and Bogalusa) 104.9 3000 h,v; 100 m, Enon Bcstg.
MI Allegan 92.3 860 h,v; 183 m, Midpoint Bcstg.
MN Caledonia 94.7 3000 h,v; 100 m, Oasis Bcstg.
MO Campbell 107.5 3000 h,v; 100 m, Jack G. hunt [Valkyrie Broadcasting
MO La Monte 97.1 1400 h,v; 150 m, /
NE Omaha *88.1 1100 h,v; 91 m, S. g, Family Stations, Inc.
NH Moultonborough 106.9 74 h,v; 604 m, Lakes
NM Gallup KFOR-1 94.5 5000-watt booster of Gallup station
NM Hobbs 102.9 100000 h,v; 518 m, Smith
NM Roswell K201BL *88.1 (KLYT 88.3 Albuquerque) [Thomas Turck
NY Ogdensburg 98.7 3000 h,v; 100 m, /
NY Syracuse WVOA-1 105.1 2500-watt booster of De Ruyter station [Bcstg Co.
NC Raleigh 102.9 3000h,v; 100 m, Peebles/
OH Marysville 105.7 3000 h,v; 100 m, Riggs-Hutchinson [Iard Bcstg. of OK
OK Tishomingo 106.3 3000 h,v; 100 m, Bal-OR North Bend 107.3 100000 h, 41400 v; 159 m, Big Bay Radio [R. M. Mason
OR Nyssa 98.7 3000 h,v; 100 m, / [Bcstrs.
TN Crossville 102.5 3000 h,v; 91 m, Audio/
TN East Ridge (Chattanooga) 107.9 3000 h,v; 100 m, Virginia Sattler [Bcstg.
TX Burnet 92.5 2400 h,v; 100 m, Nolte/ [Moir
TX Johnson City 107.9 50000h,v; 150 m, W. L./
TX Lufkin *88.9 35500 h,v; 203 m, LA State U.
TX San Angelo K215BH *90.9 (KGNZ 88.1

VA Dubiin *91.5 10 watts h, 90 watts vertical; 367 m, Golden Rule Organizational Workshop, Inc. [shore Bcstg. Co.
VA Exmore 106.1 3000 h,v; 100 m, Sea-VA Saltville 106.1 3000 h,v; 10 m, Mountain Media of VA

Call Letters Assigned

AL Linden 102.9 WNPT-FM (from WBAN); AM is in Tuscaloosa
AL Russellville 97.7 WKQL (WZMX)
AZ Ajo 98.3 KTTZ
AZ Eagar 92.5 KTHQ (KVAO) [new calls]
AZ Mesa 104.7 KZZP'-FM'' (KZZP-FM; AM has/
AZ Tuba City *91.5 KGHK
AZ Tucson 99.5 KIIM-FM (KIIM)
AZ Yuma *88.9 KAWC-FM (KRRQ; KRRQ calls remain in Lafayette LA, 95.5)
AR Greenwood 106.3 KZKZ'-FM'' (KZKZ-FM; AM has new calls)
CA Morgan Hill 96.1 KRAC [99" (strict)
CA Stockton 99.3 KJOY (KJAX), "Joy/
CA Visalia 96.1 KGYU
CA Winton 98.7 KEAL
CO Grand Junction 92.3 KJYE-FM (KVEE-FM) 107.9 KIOB (KJYE) [(KCSJ-FM)
CO Pueblo 107.1 KGRQ'-FM''/ [new calls]
107.9 KRYT'-FM'' (KRYT-FM; AM has/
CO Vail 104.7 KSKE (KVMT)
FL Beverly Hills 97.1 WEOA
FL Callaway 103.5 WBKL (WXDZ)
FL Dogwood Lakes Estate *91.1 WJED
FL Holmes Beach 98.7 WAYP
FL Lake City 94.3 WNFH (WQPD)
FL Leland *91.9 WYFO (WWOL)
FL Pensacola 101.5 WTKX-FM (WTKX)
FL Hiviera Beach 94.3 WOLL (WMXQ), o [Idies]
FL Solana 105.3 WHLC
GA Clayton 104.1 WQXJ (WLFA)
GA Fort Valley 97.9 WKXK (WWEK), m
GA Gordon 107.1 WYGO (WQXM-FM)
GA Lakeland 105.9 WHFE [Pearl City)
HI Honolulu *89.3 KIPU-FM (KIPO; AM is in/
ID McCall *91.7 KBMS
IL Aurora 107.9 WYSY-FM (WYSY)
IL Lynnvile 107.1 WEAI
IL Mount Carmel 94.9 WRBT (WYER-FM), ID with Evansville IN at :45 to :46, rp, "sometimes calls itself Radio Free Evansville"
IL Pana 100.9 WXKO-FM (WXXK); AM is in Fort Valley GA; still k
IN Roanoke 105.1 WQTX (WHOR)
IA Clinton 96.1 KMJC-FM (KLIO); AM is in El Cajon CA, r (top 40 "and more established contemporary hits from previous years"); "Magic 96," ID with "Quad Cities"
KS Columbus 98.3 KOCD (KSSC-FM)
KY Whitley City 105.9 WHAY
LA Bunkie 104.3 KRBG
LA Houma 107.5 KIXA (KCIL)
ME Madison 97.5 WHAA
ME Pittsfield 99.5 WFOV
MI Baraga 104.3 WXNL (WJMY)
MI Detroit 92.3 WMXD (WVAE), r, uses slogan (not a nonID) "The Mix," but always with call letters. "They are running an upbeat adult contemporary (r) format using veteran Detroit fill-in disc jockeys and "Wave" holders. . . Programmer and morning host is Paul Christy, who recently left the same

position at Oldies 102.7 WKSG."
MI Gaylord 95.3 WMJZ'-FM'' (WMJZ-FM; AM has new calls)
MI Mount Pleasant 104.3 WCZY (not WMMI, which is an AM in Shepherd MI)
MI Norway 94.3 WZNL (WNWY)
MI Oscoda 100.1 WCLS
MI Sturgis 99.3 WMSH-FM (WSTR-FM)
MN Jackson 105.3 KRAQ
MN Wabasha 102.5 KWMB'-FM'' [in Biloxi)
MS Cleveland 107.7 WZRI [in Biloxi)
MS Gulfport 107.1 WXLS-FM (WXLs; AM is/
MS Pascagoula 99.1 WKNN-FM (WKNN)
MO Chaffee 104.7 KZRZ
MO Perryville 93.1 (not 106.7) KRAA
MO Republic 99.5 KADI [from KTCM)
MO Washington *89.9 KGNV (back to, /
MT West Yellowstone 96.5 KRGS
NE Hastings *89.1 KHNE-FM
NE Lexington *88.7 KLNE-FM
NE Norfolk *89.3 KXNE-FM
NV Las Vegas 105.1 KRBO (KLTN)
NV Laughlin 107.9 KLUK
NH Moultonborough 106.9 KHSA—yes, "K"!
NJ Margate City 96.1 WFOU
NM Angel Fire 99.1 KAFR
NM Grants 100.9 KDYC
NM Hobbs 102.9 KOKN [m (100000 h,v)
NM Roswell 100.5 KSFX (not KURO), 37/ 106.5 KURQ (not KSFX)
NM Taos 99.9 KRBJ
NY Cape Vincent 94.7 WMHI
NY Catskill 98.5 WQKZ
NY New Paltz *88.7 WFNP
NY Poughkeepsie *88.7 WMHX'-FM''
NY Utica 100.7 WEIF
NC Dunn 103.5 WRCQ-FM (WDKS; AM is in New Britain CT), r ("rock")
NC Elizabethtown 105.7 WGOR (WSAD)
NC Erwin *88.3 WUAW
NC Nags Head 92.3 WPIR
OH Caldwell 104.9 WWKC (WNQV)
OH Coal Grove 97.1 WXVK (WZTX)
OH Crestline 98.7 WAPQ (WHOH)
OH Ironton *89.1 WOUL-FM (WOUL)
OH Loudonville 107.7 WBZW (WLMA)
OK Bethany 104.9 KKNT (KJIL), ownership transferred for \$1 million from Jimmy Swaggart Ministries to M. G. (Pat) Robertson
PA Franklin 99.3 WFRA-FM (WVEN) [mono
PA Jersey Shore 97.7 WRKK (WYRS), still m, /
PA Masantown *106.9 WRIJ
PA North East 100.9 WRKT-FM (WRKT)
PA Patton 94.7 WBRX (WHUM)
PA Port Allegany 94.9 WHKS (WNSY)
PA Sharpville 95.9 WOJY-FM (WMGZ-FM; AM is in Farrell PA), "Joy"
PA Tioga 93.3 WPHD (WKGV)
PA Tobyhanna 107.9 WPMR
RI Providence 101.5 WWBB (WLKW-FM)
SC Aiken *89.1 WLJK (back to, from WTUC)
SC Greenville *91.7 WTBI-FM (WHBS); AM is in Pickens SC
SC Williston 94.7 WAAW
SD Custer 105.1 KUAA
TN Huntingdon 93.7 WBVD
TN South Pittsburg 97.3 WKXJ
TX Abilene 92.5 KFXJ
TX Crane 100.9 KAIR
TX Galveston 104.9 KGWV (KRTX), rj, "Wave"
TX Harlingen *88.9 KMBH'-FM''
TX Hondo 98.5 KRBB
TX Kilgore *88.7 KTPB



Abilene)

TX Lufkin *88.9 KLDN
 TX San Angelo 93.9 KTEO-FM (KTEO), "temporarily silent"
 TX San Saba 97.1 KFRJ (KBAL-FM)
 TX South Padre Island 92.7 KOVA (not KJIB, which is in Caldwell TX, 95.1)
 95.3 KESO
 TX Tyler 104.1 KGKB
 UT Brigham City 100.7 KDOE (KHSB)
 UT Tremonton 105.1 KBXQ"-FM" (KKVU-FM)
 VA Alberta 107.7 WGNJ
 VA Cedar Bluff 107.7 WJHT
 VA Williamsburg 96.5 WQSF (WQSF"-FM")
 WA Bellingham 104.3 KAFE (KNWR), rm, "lame soft rock (was CHR)"; "Soft Rock Cafe"
 WA Colfax 102.3 KRAO [k(ountry)]
 WA Richland 102.7 KORD-FM (KORD),/
 WV Lindsie *106.7 WHFI
 WI Menomonie 92.1 WMEO-FM (WMEO)
 WY Kemmerer 107.3 KRGA
 WY Worland 96.1 KKLX (KWOR-FM), rm
 ON Fort Frances *90.5 calls assumed to be CBQT-1 (from CBQT--see below)
 ON Thunder Bay *88.3 CBQT, "same program as 800 AM, which will probably go off. [Calls] given at eight minutes before the hour and half hour. They just butt in to the program with the ID! At least, here is a Canadian station which IDs. CBQT signal seems equal to the French station (89.3), both of which are stronger near the border than 94.3. No stereo."
 ON Windsor 88.7 CIMX (CJOM), 88.7 The Mix (strict; never uses call letters). "The Detroit News incorrectly reported them as CMIX, but this is obviously wrong because Cuba, not Canada, has use of CM-- call letters."

Facilities Changes Granted

AL Stevenson WWSV 101.7 530 h.v; 184 m
 AL Talladega (new) 97.5 910 h.v; 175 m
 AK Anchorage KATB *89.3 11900 h, 15400 v; 86 m [m (100000 h.v), C1
 AR Harrison KWNQ 102.9 299/ [m], C
 AR Osceola KMPZ 98.1 100000 h.v (378/ |B1
 CA Ridgecrest KZIO-FM 92.7 1500h.v;386 m/
 CA Sacramento KYDS *91.5 410 h.v; 33 m
 CA Santa Ana KWIZ-FM 96.7 3000 h.v; 63 m
 CO Aspen KAJX *91.5-301 m (380 h, 370 v)
 FL Bonifay WTBB 97.7 307 m (92000 h.v) [C2
 FL Live Oak WQHL-FM 98.1 50000h.v (113 m)/
 FL Tallahassee WAMF *90.5 1600 vertical only, deleting horizontal), 51 m
 HI Honolulu KHHH 98.5 51000 h.v; plus 18 m
 HI Kaneohe KANY 104.3 69000 h.v; 638 m
 IL Chicago WLUP-FM 97.9 6000 h.v (357 m)
 IN New Haven WJFX 107.9 2500 h.v; 109 m
 KS Hays K252BJ *98.3 carries KZNA 90.5 Hill City, not KANZ 91.1 Garden City. "It theoretically is not needed, but several listeners say they can get the translator better than KZNA! Oh well." [AU 91.5)
 KS McDonald K217BG *91.3 (from K218-/
 LA Belle Chasse KNOK 102.9 6000 h.v (100 m), the first Class A awarded 6 kw!
 LA Oakdale KICR-FM 98.7 (from 104.9) 24000 h.v; 173 m, C2
 MD Emmitsburg WMTB *89.9 1000 h.v; 44 m
 MA Athol WCAT-FM 99.9 1900 h.v; 124 m; ON AIR, r, tU, 67 (telemetry), "99 Cat" [m)
 MI Grand Rapids WCSG *91.3 35700h.v (174/ MN Sleepy Eye KSEB 107.3 1100 h.v; 161 m
 NH Haverhill WYKR-FM 101.3 12 m (3000 h.v)
 NJ Millville WBSS 97.3 142 m (50000 h.v)
 NY Pomona W232AL 94.3 has WHTZ 100.3 Newark NJ on it, not WKOJ 92.7 Middletown NY. "Gerry Turro strikes again. I have a new translator on my dials [with] a relay of WHTZ, 'Z-100'. Boy, is this a useful addition to the band! There is absolutely nowhere where WHTZ's signal doesn't pound into this county. I called co-channel stations WCTO and WJLK-FM, and they just shrugged and said, 'We can't do anything about it'. WHTZ commented, 'Well, we have an FCC license,

and it doesn't matter what you think! What makes it even worse is that the translator is even louder than this ultra-compressed top-40 screamer, with its high end rolled off for more efficient compression. I could hear it from my home in Croton all the way down to the West Side of Manhattan. This is some amazing one watt Turro is transmitting! He now has four translators in this area: W276AV Stamford CT (WOXR-FM), W276AQ Fort Lee NJ (WALK-FM), and W244AS Oakhurst NJ (also WHTZ). Maybe he should start the Turro Translator Network! He's trying for LPFM, but good luck! Love the column! Keep up the good work!"
 NY South Bristol WZSH 95.1 130 m (50000 h.v)
 NC Concord WPEG 97.9 446 m (100000 h.v)[C
 NC Reidsville WJMH 102.1 99200h.v;367m/
 NC Wilson WAHD *90.5 3800 h.v; 30 m[346 m
 NC Winston-Salem WFDD *88.5 38000 h.v/
 WSNC *89.3 3000 h.v; 689 m [monophonic
 OH Cadiz WEIR-FM 106.3 2500h.v; 107 m/
 RI Middletown WOTB 100.3 82 m (3000 h.v; CP for 96 m cancelled; moving from 100.1)
 SC Lancaster WRHM 107.1 1600 h.v; 133 m
 SC Parris Island WBHH 92.1 100 m (3000 h.v)
 TX Austin KHFI 98.1 (moving from 98.3) 211 m (100000 h.v) [92.3) 1900 h.v; 115 m
 TX Livingston KETX-FM 92.1 (back to, from/
 VA Charlottesville WVTV *89.3 200 h.v; 517 m
 VA Ruckersville WXZY 92.1 1400 h.v; 147 m
 PR Corozal WORO 92.5 365 m (50000 h.v)
 PR Quebradillas WREI 98.3 305 m (3000 h.v)
 PQ Montreal CIBL 101.5 (from 104.7, moving from 104.5). "Seems the 104.7 frequency tests caused severe interference to the air band! Since there is no other frequency available in the Montreal market, CIBC asked the CRTC for permission to use a frequency reserved to St-Jean-sur-Richelieu. The CRTC has just approved it." To broadcast from the Olympic Tower in Montreal this month.

Stereo, or to be \$tereo
 CA East Porterville KPOR 100.5, rm, Unistar AC, came on air Dec. 15, no nonID
 CA Greenacres KRAB 106.3, r, now on air
 CA Kings Beach KBCH-FM 107.7. "They expect to be on in a few weeks with an unspecified format."
 CA Shingle Springs KLIQ 102.1, gj. "They have a mix of upbeat gospel vocals and light jazz instrumentals during the day and 'contemplative' jazz from 9 p. m. to midnight seven days a week. [simulcast; sign off 12:07 a.m.
 IN Washington WAMw-FM 107.9, k, AM-FM/
 NH Henniker WNNH 99.1, now on with r, "Classic Gold," featuring hits from the '50s through the '80s. "Its market includes Manchester and Concord as well as the Lakes region, the Sunapee area, and parts of Nashua and Keene." [ON Owen Sound
 PA Elizabethville WLIZ 100.5, k, CIXK 106.5 Temporarily Mono
 CA Coalinga KNKS 100.1, k. "But they've been off the air a couple of weeks and likely will return in stereo as a Class B1."
 TX Fairfield KNES 92.1 had lack of stereo two days in December; now back to full \$, k
 TX Whitehouse KISX 107.3 had monocasting with stereo pilot of a store remote broadcast, with music and spots mono; although normally "they usually have excellent classic-hits/ oldies in stereo"
 Mono- Remove \$tereo Listing
 OR Tri-City KTRQ 104.3, on air, r, no stereo.

Format Changes

Formats are the same as in the "FM Atlas"

AL Dothan WESP 102.5 r, "AC/oldies"
 AR Nashville KNAS 105.5 rm, "Drake soft AC"
 CA Hanford KCLQ 107.5 p, "SMN Z-Rock"
 CT Hartford WLWH-FM 93.7 t (all weather, until sale of station), no tU, 67, but retaining tE, 92, CT Italian Radio, which service utilizes my Elf-IA SCS adapters in small FM-AM monaural AC-DC cassette radios. Facilities to 17000 h.v; 259 m. "How they expect to make a living rebroadcasting something that anyone can receive on a \$10 Radio Shack weather radio or any garden variety scanner is beyond me, but there they are," and cutting away from the NOAA weather broadcasts for commercials at "regular intervals."
 FL Tampa WUSF *89.7 now adding more classical, in wake of WXCR 92.5 Safety Harbor's dropping the format. This includes elimination of NPR's "Performance Today" and replacing it with major orchestra broadcasts. Popular Welch-born WUSF concert announcer Ben Jones, 43, a five-year veteran of the station, said to be leaving for a New York station. His WUSF salary is in the \$17,000 to \$20,000 range. Said bill Morse, program director: "I wish I could give him a raise; I wish I could give everyone a raise. All of us make less than high school teachers."
 GA Leesburg WIKX 103.7 k[ountry]
 GA Lyons WLYU 92.5 k
 IN Brazil WSDM 97.7 k
 IN Indianapolis WMJC 103.3 r, not mr. "Now rock-garbage like several dozen others. . . Ask your readers to consider when they buy rock music how many drug habits they are supporting. The fact that rock is very popular simply means there are a lot of fools!"
 IN Linton WQTY 93.5 m, "EZ/big bands. Application to move transmitter near WORTHINGTON dismissed."
 IN Winnamac WOTD 100.1 delete format; station is delaying getting on the air
 IA Northwood KPLW 102.7 m
 KY St. Matthews WRKA 103.1 o, "Oldies 103"
 LA New Iberia KDEA 99.1 r, "Unis. Special, soft AC" [103.5 k
 LA Tioga KISY/ [r, "Thunder 107"
 ME Lewiston WTHH 107.5 (was WBLM),/
 ME Portland WBLM 102.9 (was WTHH), rp, "The Blimp." With this flip-flop, WBLM will get virtually 100 kw, while WTHH will have 35 kw. "WBLM's owners were the ones who pushed for the change," costing a net difference of \$1.5 million, plus another \$200,000 for advertising to promote the frequency change. The move was made possible by relaxed FCC rules providing cross-ownership of nearby facilities; Fuller-Jeffrey Broadcasting also owns WOKQ 97.5 Dover NH.
 Possible simulcasting thus portended? "This is the second pair of stations in Portland to do this." "Portland is one of two coastal cities between southern Maine and Virginia with a 100,000-watt FM station. Boston has WGBH (89.7), a noncommercial, public broadcasting station. Boston is inside the region where 100,000 stations are forbidden, but WGBH was allowed to remain at high power because it was created before the limitations." The other Maine FM-FM combination being created by relaxed FCC rules: WABK-FM 104.3 Gardiner, being bought by Ronald R. Frizzell, who is 51 percent owner of WKZS 99.9 Auburn.
 ME Rockland WMCM 103.3 still c, with listener Janet Norwood writing a local paper: "After discovering WMCM, we never turn on public radio. We want classical music, not talking. WMCM plays it 24 hours a day, with a good variety, and even its brief commercials are



acceptable." I MI Sandusky
 MI Battle Creek WBXX 95.3 r[ock]_ WTGV 97.7 b
 MI Grand Rapids WCUZ-FM 101.3 and Muskegon
 WQWQ 101.7 forming a co-ownership with
 Pathfinder Communications buying WQWQ
 and AM for \$1.5 million. WCUZ-FM is
 seeking a site farther east, while WQWQ wants
 to move its tower closer to Grand Rapids, but
 has been prevented from doing so because it is
 close in frequency to WCUZ-FM. The two
 stations could legally simulcast, but Manager
 Ron Dykstra would not comment on whether
 any format change would take place.
 MI Marshall WELL-FM 104.9 m, SMN adult
 standards [adult contemporary]
 MS Philadelphia WWSL 102.3 m, "Unis/
 MO Marshall KMMO-FM 102.9 k
 MO Owensville KLZE 95.3 o, SMN Pure Oldies
 MO Washington KSLQ-FM 104.5 m, "standards"
 NM Bloomfield KCEM-FM 104.5 k
 NY Utica WNYZ 98.7 m, "lame"
 NY Vestal WMXW 103.3 r, \$ [weekends
 OH Akron WAPS *89.1rj, adding ethnic/
 OR Newport KYQT 102.5 r, CHR
 PA York WQXA 105.7 rs, "Hot 105.7"
 SC Moncks Corner WJYQ 105.5 rj, "AC, new age"
 TX Dallas KZEW 97.9 drops hard rock for
 Christmas music, with new format to be
 announced early this month. It's "been in
 trouble since 1985, when its ratings started to
 plunge." "I believe if they held onto the
 format through the spring ratings period,
 they would have turned the numbers around.
 There will probably be letter-writings and
 petitions circulated over this matter."
 TX Mesquite KEOM *88.3 rk, signs off at 10
 p. m., "The Voice of the Mesquite Schools. . .
 Good stereo audio quality. Also sports events
 coverage."
 WV Elkins WDNE-FM 99.3 k
 WV Keyser WKZG 107.1 k, \$
 WI Wauwatosa-Milwaukee WEZW 103.7 m,
 "soft AC" (from b), "Light EZ 104"
 ON Midland CFLX 88.1, Penetanguishene CFRH
 101.9, Perkinsfield (no calls known) 89.7
 mostly dead air, but on 40 hours a week from
 6 to 9 a.m., then sign on again at 5 p.m.,
 French, country and jazz music. Evening
 shows done by volunteers, but financing a
 problem, and stations may be forced to cut
 back even more—a Catch 22 situation—
 without the hours on air, financial help would
 dwindle even more. Not known if stereo.
 PQ Drummondville CJDM 92.1 m, "French soft
 AC. . . will announce plans for their AM
 station CHR [now silent] in January."
 "Enclosed is my renewal check for FMedia! Keep
 it coming and no mercy to sacred cows!"
 "I'm going to pass on renewing FMedia! I get
 more publications than I have time to read. . .
 Don't feel bad; I'm also not renewing
 Consumer Reports and Radio-Electronics.
 There's just not enough hours in a day!"

On Air (Selected)

CA Stockton K219BK *91.7. "It's stronger here
 than KUOP, but. . . main worry is that
 K219BK will adversely affect [co-channel]
 KCHO, of which I am a member." [license"
 KS Herndon K217BH *91.3, "recently issued a/
 ME Skowhegan WTOS 105.1. Was off four days
 while a new transmitter was installed on
 Sugarloaf Mountain (50000 h.v; 741 m). At
 170 km, "the big difference was in the car, I
 really couldn't pick up TOS good enough to
 listen to. Now it comes in pretty good even as
 far away as Bideford."
 NV Stateline K224CA 92.7, with KQPT 100.5
 Sacramento on it
 NY Friendship WCIB *89.1, \$, g, parallel to
 WCIC *103.1, WCIH *90.3
 WI Lancaster WJTY *88.1, but farmers nearby
 claim electricity from its tower has disturbed
 their cows' milk production. They want it to
 move to a new site. A videotape of the cattle
 shows that the cows are "fidgety, nervous and

under stress." The farm cooperative is said to
 have data on "stray voltage and ground-
 current problems, but would not release it
 without permission of cooperative members."
 Duane Dalberg, a physics teacher from
 Concordia College, Moorhead MN, was
 brought in and he found that "2000 amperes
 of electricity was detected flowing down one
 of the guy wires." Station's lease has expired,
 and it is temporarily paying \$450/month rent
 for the tower site.

Off Air, Or Not Yet On

IL Rantoul WLTM 96.1
 IN Attica WBQR 95.7
 IN Bloomfield WBHQ 101.1
 IN Kentland WPNI 101.7
 IN Michigan City WFAJ *89.5; "Does CP still
 exist?" Chicago's WMBI-FM applies for a
 translator there, which will be the "second
 FM station" in Michigan City (after WEFM
 95.9). Strangely enough, it is requesting a
 satellite feed, rather than direct off-air pickup
 of primary—being built under the auspices of
 Bob West, network development director,
 Moody.
 NV Carson City KRWR 94.7. "KNIS is still
 around, although it was off for several days
 just as the call change was announced. It's on
 and off currently, as though the management
 were trying to minimize expenditures until
 they unload it."
 NM Alamogordo KINN 105.3, still on 105.5
 NM Lordsburg KXKK 97.9, still on 97.7
 NY Valhalla WARY *88.1, still on 88.5. "Pretty
 decent signal for them. They have a very
 erratic schedule; rarely does one hear them."

Deletion

KS Oakley K209AE *89.7, "has been removed
 from service because there is fairly good
 coverage from KZNA Hill City"
 "Am looking forward to a new decade of
 FMedia! and the FM Atlas."

FMistakes, FM Atlas-12

MI Port Huron WNFA *88.3 *missing, p. 112
 WORW *91.9 remove \$, p. 112
 NM Ruidoso KBUY-FM is 93.5, not 95.3, p. 66
 BC Kamloops KHRK 97.5, not 97.3, p. 91 map
 BC Kelowna CHIM (now CKLZ) 104.7, not
 104.1, p. 91 map
 ON Chatham CKSY 95.1 add \$, p. 129
SCServices, 57, 67 and 92 kHz
 Symbols are as in the "FM Atlas"
 CA Chico and FL Ocala have Muzak franchises,
 but not known which, if any, local FMs have
 Muzak
 CT Storrs WHUS *91.7 has finally activated †T,
 67 for CRIS (the Connecticut Reading and
 Information Service)
 CT West Hartford WWUH *91.3 †U, 67,
 "probably a link from the new remote
 transmitter site to the campus studios"
 FL Cocoa Beach WSSP 104.1 †D (Cue paging),
 57, no †X, 67 [†X, 67
 FL Daytona Beach WWLV 94.5 †D, 57, no/
 WJHM 101.9 †M[music], 67
 FL Orlando WDIZ 100.3 †X, 92; no 67
 GA Comelia WCON-FM 99.3 †U, 67
 IL LaSalle WAJK 99.3, now with 11000 h.v; 150
 m, and ID with Peru, has †M, 92 (in addition
 to †X, 67). "The [main channel] program-
 ming is automated MOR, with emphasis on
 M. This station may play the Stones latest
 followed by 'The Rose', a practice which is
 tantamount to a bait-and-switch tactic. Lunge
 for the knob. . . This area of the Illinois
 Valley is an FM wasteland. . . WRKX
 (Ottawa), WSTQ (Streator) and WLRZ (Peru)
 are essentially clones of each other. . . Each
 of them is a little more 'rocky' than WAJK, but
 they too deserve the. . . designation lame
 radio!"
 IA Ames WOI-FM *90.1 IRIS, 92 kHz reading
 service, in need of funds to raise their
 \$75,000 1990 budget, and hoping to become

statewide "as soon as we can. Governor
 Branstad's interest in IRIS will help spread
 the good word about the service. . ."
 KS Pittsburg KRPS *89.9 †X, 67; †T for the
 blind, 92
 MA Barnstable WQRC 99.9 †T, 92 kHz, MA
 Reading Network, out of Marshfield MA
 MI Bay City WUCX *90.1 †U, 67
 MT Ronan KQRK 92.3 †M, 67 [data, '67
 NV Henderson KXTZ 94.1 †X, 'off-frequency/
 NV Las Vegas KEDS *88.7 †P, 67, "Mutual
 Paging"; †X, 92
 KOMP 92.3 †U, 67 (tone)
 KRBO 103.5 †U, 67, m on main carrier
 KRLV 106.5 †U, 67
 NJ Moonachie—Target Tuning (see last month, p.
 8) has a new walkperson type radio, fixed
 frequency SCA for \$20. The catch is that a
 broadcaster has to order a minimum of 200 of
 the radios, for a \$4000 investment.
 OH Bucyrus WQEL 92.7 †S, 67, occasional
 audio, "A talk channel to our remote
 announcers. Our SCA no longer is used for
 commodity data transmission, and we will
 use it for our own purposes. Obviously, we
 need a portable receiver for such use, and
 your unit sounds like it will fill the bill."
 ON Toronto 99.1 former CKO- station. Carrier
 returned with tone, "I assume because of
 their SCA commitments. I noticed 67 kHz
 programming with easy-listening, but never
 tried 92. So I guess when they closed shop on
 that last day, and turned the transmitters off,
 they must have forgotten about the SCA
 services. . . If they have turned in their
 licenses, they really have no right to occupy
 the frequency—but there are the SCAs to
 look after!" Stations in markets like London
 (97.5) may also be back on with carriers to
 protect their SCMOs.
 TA Tampico XHRW 99.3 †M, 67
 ARI System at 57 kHz ("†H") SCS folds
 nationwide. This leaves Cue paging the only
 known occupant of the 57 channel in North
 America.

INSIDE MUZAK. I recently had the use of a
 "Muzak Limited Partnership Franchise Directory,"
 January, 1989. Please keep this confidential!
 Here are the franchises directly owned by Muzak
 in the U.S.A.: Anaheim CA, Boston MA, Chicago
 IL, Cincinnati OH, Columbus OH, Eugene OR,
 Los Angeles CA, Medford OR, Milford CT,
 Minneapolis MN, New York NY, Portland OR,
 Reno NV, Sacramento CA, San Francisco CA,
 Seattle WA, Spokane WA. Muzak's headquarters
 are at 915 Yale Avenue North, Seattle WA
 98109; (800) 331-3340; Seattle operations and



engineering, 133 Minor Avenue North, Seattle
 WA 98109; (800) 422-5767; DBS Division, 3100
 Highwoods Blvd./The Laurel Bldg., Raleigh NC
 27604; (800) 543-6549.
 Some of the larger multiple franchise ownerships
 are William D. (Bill) Balthrope, headquartered in
 San Antonio TX (Austin, Corpus Christi, El
 Paso), at Texas Wired Music, Inc., PO Box 8278,
 ZIP 78208; (512) 223-6383. Also: Comcast
 Sound Communications, Inc., 1 Belmont Ave.,
 Ste. 305, Bala Cynwyd PA 19004-1604; F.
 Jerome Purcell, President; (215) 667-6666, for
 Buffalo, Colorado Springs, Dallas-Fort Worth,
 Denver, Detroit, Scranton, Fort Wayne, Hartford,
 Hollidaysburg PA, Indianapolis, Lima OH, Moline
 IL, Peoria IL, San Diego, Sherman TX, Tyler TX,
 Waco TX. Johnson Electronics, the SCA radio
 makers, at 4301 Metric Drive, Winter Park FL
 32792; (407) 677-4030 for Baltimore, Kansas
 City, Salisbury MD and St. Louis MO.
 Osborn Sound and Communications is for

Albany GA, Atlanta GA and Macon GA, controlled by Frank Osborn, 757 Third Ave., Ste.1806, New York NY 10017; (212) 838-9006. Service Associates is another large franchisee, controlling Chattanooga, Huntsville AL, Knoxville, Memphis and Nashville TN, Lexington KY, Savannah GA and Evansville IN, where their headquarters are at PO Box 3848, ZIP 47736; John Englebrecht, president; (812) 424-8283. Muzak has about 400 franchises in all, including several in Mexico: Hermosillo, Puebla, Tampico, Mexico City, Monterrey, Veracruz; while Canada has only three: Edmonton, Saskatoon, Winnipeg. Other foreign offices for Muzak are Buenos Aires, Sydney AUSTRALIA, Brussels BELGIUM, Quito ECUADOR, Munich, WEST GERMANY, Tel Aviv ISRAEL, Osaka, Nagoya and Tokyo JAPAN, Auckland NZ, Lima PERU, Zurich SWITZERLAND.

PHYSICIANS RADIO NETWORK MOVING FROM FM/SCS TO AM RADIO? That's what PRN tells me, with the final 19 FM/SCS stations to have become silent Dec. 22. That number represents a dwindling from an earlier 22 stations and before that 40 stations, all utilizing FM/SCA in clear voice with commercials and news for doctors 24 hours a day, via satellite. Reduction in stations occurred almost simultaneously with relocation of firm from CT to 13 Roszel Road, Princeton NJ 08540. By spring, PRN is hoping to negotiate leases for AM stations to use two hours of their time in the evenings in many markets, reports Bernice Ulrich, program director. "SCA was too hard for us—we had to constantly ride herd on the stations, or else they would bury our programming and make it hard for the doctors to hear, and the receivers were getting so expensive. It would cost us \$85 for a basic radio, plus expenses of tuning each one, and having to buy them in large quantity. That brought our cost up to over \$100 a radio. We were on SCA for 16 years."

NonIDs, Not Just Slogans

- FL Green Cove Springs WZAZ-FM 92.7 Z-93 Fever FM, still [ou]
- FL Jacksonville WAPE 95.1 still Power-95. "They did not change format to oldies or adopt the 'Oldies 95' nonID. Being No. 1 in Arbitron for the past few years with its top 40 format and 'Power 95'... change would seem unlikely." It has dropped simulcasting with WPDQ AM, "The Mighty 690."
- FL St. Augustine WSOS 105.5 SOS 105-5
- IA Waterloo KNWS-FM *101.9 New Line 102
- MI Detroit WJOL 96.1 no nonID, always giving calls with "W-Joy"; WOMC 104.3 no nonID.
- MI Mount Pleasant WMHW *91.5 91 Rock FM
- MI Traverse City WLDR 101.9 Sunny 102
- MN Litchfield-St. Cloud KMXX 94.9 (having moved from 95.3), "The Mix." Studios are in St. Cloud. Litchfield's "station" is KYRS 94.1 Atwater MN, with studios in Litchfield d.
- MN Winona KAGE-FM 95.3 KG-95 (not strict, from "KG-FM")
- MT Livingston KYBS 97.5 Big Sky Country
- NM Farmington KNMI *88.9 Sunshine 89
- NM Truth or Consequences KSNM 98.7 Sun Country
- NC Charlotte WMXC 104.7 Mix 104.7, "WMIX." And "they even have a jingle, '104.7-WMIX'! It is amazing how the FCC permits this."
- OH Springfield WAZU 102.9 Wazoo
- PA Pittston WWRB 102.3 Rebel Radio
- TX Winsboro KWNS 104.9 Super Country 104, "instead of the more logical K-105"
- WI Oshkosh WUSU 96.7 US-96
- "CTV Television Network [Canada] is looking at purchasing the CKO radio network and putting it back on the air."
- ON London CIQM 103.1 Q-103
- Multi-City Identification
- NY Olean WPIG 95.7 with Bradford (PA) and Wellsville, complete with "oinking" noises, k[country]

AM Happenings Most Likely Caused By FM

GA Atlanta WVEE 103.3 now No. 1, having killed urban competitors WEKS 104.1 and WIGO AM, thanks in part to morning DJ Mike Roberts, 32, who has to rise at 4 a.m. to do his shift.

IL Aurora WMRO 1280 bites the dust after 51 years, becoming WYSY (AM), and simulcast with WYSY-FM 107.9. Gone are the sports shows and local news that had been a mainstay of this former *Aurora Beacon-News* station—except for one religious program Sunday morning. "It was said in the morning, and slam, dunk, we were gone. . . There's a void there that's not being filled. . . This move says something about the fidelity of FM radio and the infidelity of AM radio. Every single month the percentage of FM listeners increases. More and more people who listen to the radio grew up on FM radio and are oriented to it." The WMRO call letters came from the station's first owner, Martin R. O'Brien, who opened the station in 1938. "Non-legal IDs usually told me I was listening to Y-108 (they have used that ID on FM). I had listened to sports on WMRO. They carried a heavy schedule of fast-pitch softball and much more. I was even heard on the station a few times," writes Raymond J. Nemej, of Baseball Research and Statistics.

ME Gorham WJBQ now simulcasting with WKZS FM 99.9, Kiss 100. "WJBQ will soon be moving to 870 AM and become WKZN. WJBQ 1590 was oldies."

MA Boston WBZ 1030. "The New England Patriots are such a flop this year that WBZ can't even give away tix. Even with money attached. . . When morning jock Dave Maynard didn't get one tix, bitty bid on the tix, donated to raise dough for Children's Hospital, he offered them free plus \$50, the suggestion of Producer John Brown. And still got no bids. How about adding \$1000? That should get a taker or two!"

WILD 1090 ratings up to a 3.2—so good that it might invite FM competition in the soul format for Boston. "WJIB seriously contemplated the move to 'Churban' (a mix of urban and CHR) a while back before it decided on soft sounds. Even then, the station was still prepared to make the move if its quiet format didn't do well in the ratings. But now WJIB's future is in limbo pending its sale."

WMEX 1150 dropped oldies for financial news, but keeping its records because "they show up on our balance sheets as an asset." Greater Media bought WMEX in 1984, "and did fairly well with its old format until WODS FM came into the picture last year and demolished WMEX in the ratings."

WRCA 1330 canned country (along with call letters WDLW) and switched to show-biz-comedy, now considering giving its records to charity, since area stations weren't interested in the record library.

MO St. Louis KXOK 630 going all news, separating from co-owned KLTH 97.1 Florissant MO. "KXOK is a station that has never really been owned in recent years by broadcasting types, which has hurt its overall effectiveness."

NY Buffalo WGKT 1400 AM now carrying SMN Kool Gold. "I'd suggest other FM stations in the country get this great format ('50s and '60s rock and roll)." WECK AM 1230 Cheektowaga also goes satellite, playing hits from the '40s through the '60s.

PA Philadelphia "WPGR is still at 1540, WPEN still at 950, WEAZ AM now simulcasts WEAZ-FM's programs at 560 (WFIL's old frequency)"

SC Burnetown WTKS 1510, after two years trying to operate as a Christian station and with \$100,000 down the drain, has not generated the ad revenues and local church support owner Bob Cannella expected. It's still on the air, presumably sans

religion, and waiting for a buyer to come along and offer something in the \$250,000 range.

ON Toronto CHUM-FM leads the pack, while CHFI 98.1 and CILQ 107.1 rack up impressive gains according to BBM ratings. Former leaders CFRB and CFTR, both AMers, both off substantially. All of this finally means that FM has become the dominant aural medium in Canada's second largest city.

John Abel, VP of Executive Operations, NAB, claims the average fulltime AM station today has a net loss of \$3973 against \$246,579 in revenues, with AM station values slipping an average of four percent annually. Richard Blackburn, a communications broker, said "AM is viewed as noncompetitive and not a factor in the marketplace."

FM Kulemakings Proposed

First date below is deadline for filing comments at the FCC; second date is for replies. Stations affected, if any, are listed before the dates.

AL Guntersville 95.9C3 from A, WTWX, Jan. 31, Feb. 15 [Jan. 25, Feb. 9]

AL Monroeville 99.3C2 from A, WMFC-FM, AK Dillingham 99.1A, Jan. 31, Feb. 15

AH Ashdown 92.5C3 from 92.1A, KARQ, Jan. 18, Feb. 2 ["show cause/why not?"]

AR DeQueen 92.9A from 92.7A, KDQN-FM, AR Forrest City 93.5C3 from A, KBFC, Feb. 2, 20 [18, Feb. 2]

AR Helena 103.1C3 from A, KCRI-FM, AR Wynne 92.5C3 from 92.7A, Jan. 18, Feb. 2

CA Brawley KWST 94.5 move to El Centro CA, Jan. 18, Feb. 2 [25, Feb. 9]

CA Middletown 98.7A, [KRZO, Feb. 2, 20]

CA Tahoe City 96.5C1 from C2, [Feb. 15]

CO Walsenburg 102.3C3 from A, KSPK, Jan. 31, GA Clarkesville (new CP) 102.9C3 for A, Jan. 8, 23 [C2, WQZY, Jan. 8, 23]

GA Dublin 95.9C1 from [26, Feb. 12]

GA Hannahs Mill 100.7A or 101.1A, Jan. 18, Feb. 2

GA Good Hope 92.3A, Feb. 2, 20 [Feb. 12]

GA Perry 100.9C3 from A, WPGA-FM, Jan. 26, IL Gardner 106.5A, Jan. 8, 23

IL Golconda 94.3A from 105.1A, Jan. 16, 31

IL Murphysboro 105.1B1 from 104.9A, WTAO, Jan. 16, 31

IN Veedersburg 92.9A, Jan. 31, Feb. 15

KS Copeland 98.1C1, Jan. 29, Feb. 13

KY Buffalo WRZL 101.5 move to Vine Grove KY, Jan. 19, Feb. 5 [5, 20]

LA Belle Chasse 102.9C3 from A, KNOK, Feb./MI Ashley 92.5A, Jan. 19, Feb. 5

MI Manistee 107.9A from 101.5A, Jan. 26, Feb. 12 [26, Feb. 12]

MI Muskegon 107.9B1 from A, WMHG, Jan./MS Clarksdale 101.5C3 from 101.7A, WWUN, Jan. 29, Feb. 13 [29, Feb. 13]

MS Lumberton 95.3C2 from A, WLUN, Jan./MS Water Valley 105.5A from 101.5A, Jan. 29, Feb. 13 [Jan. 29, Feb. 13]

MO Cameron 100.1C2 from 92.3A, KFRR, MO Knob Noster 105.7C3 from 105.5A, KKKX, Jan. 26, Feb. 12

MO Lutesville 104.1A from 105.1A, Jan. 16, 31

MO Wheeling 105.9A from 105.7A, Jan. 26, Feb. 12 [Chesapeake VA, Jan. 19, Feb. 5]

NC Elizabeth City WMYK 93.7 move to/NC Hatteras 94.3A, Jan. 18, Feb. 2

ND Valley City 101.1C1 from 100.9A, KLPR, Jan. 19, Feb. 5 [OH, Jan. 8, 23]

OH Fairfield WOFX 94.9 move to Norwood TN Benton 93.1A, Feb. 5, 20

TN Lafayette 104.1A, Feb. 5, 20

TX Harker Heights 105.1C2 from 105.5A, KIXS, Jan. 16, 31 [-FM, Jan. 8, 23]

TX Beeville 105.7C3 from 104.9A, KIBL-/TX Clifton 103.3C3 from A, KWOW, Feb. 2, 20

TX Electra 94.9C2 from 95.1A, KWTA, Feb. 2, 20 [from A, WKQC, Feb. 5, 20]

VT Canaan 94.1C3/ [WKLZ, Jan. 16, 31

VT Rutland 94.5C3 from A, [16, 31]

VT WestRutland 107.5C3 from A, WVNH, Jan./WA Aberdeen 99.3C1 from A, KAYO-FM, Jan. 29, Feb. 13. Correct FM Atlas-12, p. 169: calls are not "KAYD-FM."

One Pirate Challenges FCC, While Others Surreptitiously Operate or are Shut Down

"WTRA," a one-watt "community" station in Springfield IL continues to operate on an unspecified FM channel in defiance of FCC rules. Dewayne Readus, the community organizer in whose apartment the station operates, was fined \$750 last spring and ordered off the air. The following month, he turned the transmitter back on and announced he would not pay the fine. The FCC then gave him until Oct. 31 to cough up the money and shut down. As of mid-November, the station was still on the air, with the Justice Department about to begin legal proceedings against it. The FCC rule that stations have a minimum power of 100 watts is a policy that "effectively keeps low-income people off the air, since the cost of setting up a 100-watt station is a prohibitive \$40,000 compared with the \$600 used for WTRA." WTRA is at 420 North 14th Street, Springfield IL 62702.

"KCHZ" using the slogan, "K-Cheese," is on the air on 104.7 in the "San Antonio Heights area" of Los Angeles, and operating with a "good format" and no commercials. Reception was in East Los Angeles.

The FCC shut down an unlicensed station on 90.5 in Erlanger KY. Thomas Cason was fined \$750 "and surrendered the equipment to the FCC." The second station was "WJPL" 91.9 Queens NY. "This station was an archival of the recently-busted WHOT, and rumor has it WHOT sold their soul to the devil, so to speak, and finked on WJPL, hence bust number two. The pirates have all been quiet, except for an oddball pirate in the Bronx that occasionally broadcasts religious programs in Spanish on 91.9. The FCC is using a new method of bust. They will monitor a pirate station for a while, then get a search and seizure warrant. A truck pulls up in front of your house and they present you with some paper and do some moving of materials in their direction. Neither WHOT nor WJPL have been fined, jailed, or penalized in any other way than losing their equipment."

Dynamo Radio Works With Crank Power

A small FM-AM radio with built-in flashlight is seen as solving the problem of communications in the Third World, where the price of batteries can be prohibitive. It will plug in for 12 hours to provide a fully-charged battery that will play for 72 hours; however, the unique thing is it can be hand-cranked with a built-in generator. It will operate for about two hours after about 10 minutes of cranking at 120 RPM. "The longer and faster you crank, the longer the radio will operate." Retail is \$44.95 in the U.S., with an AC adapter and extra flashlight bulb. For more information contact B-N-Genius, 22121 Crystal

Creek Blvd., S.E., Bothell WA 98021.

Another radio is in the works, which would play from solar power. It would play best in bright shade or near a window in sunlight, "delivering audio of remarkable quality to the speakers." FM and FM-AM models are planned, at \$40-\$50 retail. For more information contact The Vanguard Trust, H C-02, Box 14765, Arecibo PR U0612.

Other Small-Print Happenings and FM Industry News

The FCC has granted Group W permanent waiver of the one-to-a-market rule to allow joint ownership of WMMR 93.3 and KYW TV in Philadelphia.

WMGB 103.1 and AM Georgetown KY fined \$18000 by the FCC "for failure to comply with EEO requirements."

Noncommercial WVXU "91.7 Cincinnati plans to challenge the FCC's decision admonishing it for carrying advertising. The station was not fined, but still the FCC felt the violations serious enough to warrant a letter and warning of possible more severe sanctions in the future. One of the mentions in the letter described Jiffy-Lube as offering a discount to WVXU listeners, and the FCC found the word "discount" offensive. Since then, WVXU's copy-righters have been busy rewording the announcements to remove other words the FCC might find offensive, including exhortations. The station said it's lost \$12,000 since mid-November, and this experience at WVXU has had a "chilling effect" on public stations in other markets.

Would-be underwriters now "don't feel it's worth it to underwrite programs. They don't feel they're getting their dollars' worth." WVXU will be asking the FCC to remove the admonishment from the station's record.

From the classifieds: Wants to buy Optimod, good condition, fair price, so we can upgrade to stereo. Gene Kirchner, WRDN-FM, Box 208, Durand WI 54736; (715) 672-8989.

For sale: Harris TE-3 exciter, (2) stereo generators, (2) SCA generators, 67 kHz, C. Benner, WUCL, 440 Domino, Philadelphia PA 19128.

RCA BTE 15A FM exciter with stereo generator and SCA generator, M. Young, WWJO, PO Box 220, St. Cloud MN 56302.

Retired or semi-retired salesman, wanting the challenge of getting clients for very small market, 100 watt FM in SW AZ, KBUX, PO Box 1, Quartzsite AZ 85346.

General manager/sales manager. New 100,000 watt MOR Christian FM in Las Cruces NM, on air June 1990. Minimum 10 years' experience desired. Resume to R. N. Mathis, STL Broadcasting Corp., PO Box 2104, Las Cruces NM 88004-2104.

Radios Yes, Guns No

After hearing testimony by Roy Innes of the Congress of Racial Equality on a local public FM station, I was moved to think of gun ownership in civil rights terms. He made an eloquent case before the Denver city council on behalf of the local affiliate of the National Rifle Association to allow individuals to own whatever gun they choose to—as a matter of civil rights.

Compelling as that idea is, however, I still cannot equate the ownership of a device whose sole purpose is to destroy with ownership of even the most pernicious electronics eavesdropping equipment. Perhaps it is my religion. We attend a Christian church whose members are

noncombatants in the military; it's not like World War II where Christians of many denominations could be found on each side killing one another.

I recently wrote the editor of the local newspaper, after a story was printed from Knight-Ridder dispatches on the "problem" of electronics eavesdropping. I mentioned, for example, that the cellular mobile telephone industry should expect some tuning into the calls by listeners, since the system makes use of radio. Practically any 14-year-old can easily figure out how to do that, with many scanners including coverage of the 825 to 845 and 870 to 890 mhz cellular bands formerly occupied by TV channels 80 to 83. Even the long-distance telephone network is vulnerable; the Soviet Embassy has long had the ability to monitor our conversations.

Rather than outlawing monitoring devices—unlike guns—it's better to err on the side of freedom for the public at large, and let the cellular and other industries in point-to-point communication take their lumps. As I have pointed out before, this is not Albania, and we still have the freedom to tune in broadcasts not intended for us to hear. Let's not erode our First Amendment freedoms because of what certain industries might want to dictate.

FM FORUM

CONTRIBUTIONS FROM READERS

To all of you who sent greetings, the best of New Year's wishes, and here's hoping that the 1990s are good to all of us.

After much deliberation, I've decided to add a format designation for rock oldies, to be defined as follows:

o rock oldies—limited to stations playing the full gamut of rock oldies from the late 1950s through the early '80s. Stations which play a hybrid of "oldies" and other musics, or those having a "lame" format [limited playlist, contrived, formulated, pre-fabricated "safe" tunes with cliched emotions and little true substance lyrically and unnecessary vocal harmonizing attempting to cover a weak melody—some selections with noticeable lack of stereo separation] are not listed here. This means that not all stations calling themselves "oldies" will qualify for the "o" listing. The hybrid format known in the industry as "classic rock" will usually be designated "op," or plain "r," depending upon the type of music usually played. Stations playing earlier "oldies" [or "nostalgia"] will usually be classified "m" for middle of the road music.

You will note that this designation of "o" is not without its critics. Please refer to "Formats," above (W/MJC 103.3 Indianapolis) for one reporter's impression of rock music and its connection with drug

abuse. I, too, have felt that there is too much rock on FM—and often wish things were as they were in the 1960s, when there was more variety in easy-listening formats on the dial than you find among rock stations today. At that time, I fought to make FM more popular, and felt that young ears, blessed with the best of hearing, should be able to enjoy their music on static-free FM. I was faculty advisor at two college FM stations, and sought to introduce rock music on those stations—at a time when the area's commercial stations offered only classical or middle of the road music.

Here's what contributor Nick Lombardi says about my adding the "o" category: "I think you're making a big mistake, and stirring up a hornet's nest, by considering the establishment of a new format code, o, for rock oldies. To begin with, I've never quite understood those who feel such anguish over the fact that there are not separate codes for every little minute variation of music. The basic concept, at least when you started, was to have a handful of *mutually exclusive* codes, and then not lose too much sleep worrying about hairsplitting. Those of the 'let's use every letter of the alphabet' persuasion are somehow uncomfortable with this approach; once you grant them a new code for rock oldies, then they could probably also want one for country oldies, MOR oldies, and perhaps even classical music by composers whose last names begin with H. Where do you draw the line?"

"Station playlists are in a constant state of flux, and it would be an enormous task to continually monitor all 5000 of them to determine when an occasional oldie is slipped in. Then there would be endless discussion and debate as to what an 'oldie' is. Is it something that has been off the top 40 charts for a certain number of weeks or months? Or is it years? How many? Who would make that decision? What would you do about the vast number of stations which play a mixture of current and oldies rock? Make wholesale changes in your listings from 'r' to 'ro' or 'or'? And what about stations playing a mix of current and oldies album rock, many of which call themselves 'classic rock'? If, after all of this, you feel compelled to press ahead, I suggest you limit the use of code 'o' to stations which are exclusively oldies (whatever that means), and not try to get too fancy with 'or' and 'ro' combinations, but then that would violate the rules in effect with your other format codes, where combinations are allowed. Good luck!"

[As you can see from the description of the format, I am trying to restrict the use of the oldies designation to only a relatively few stations that play the pure form of "oldies" and not to widely

employ the "o" character in combination with other formats. I have restricted the "b" character to only stations playing purely "beautiful" or "easy listening" music, never using it in combination with "m," for example.]

Try to scan the dial, even if you're not normally attuned to the different rock formats, and jot down on a postcard those stations in your area which would qualify as "oldies" or as "classic rock" (where the letters "op" might be appropriate), and send your notes along. This will enable me to update the database to reflect the new categories.

Paul Hake has supplied a list of oldies stations in north Texas, and he comments on "lame radio": "I feel the term does not apply to the popular music and easy listening music of the '60s and early '70s. The true classics given to us by the likes of Frank Sinatra, Petula Clark, Andy Williams, Peter Nero, Richard Harris, the Carpenters, Bread, etc. will and have stood the test of time. I personally love mid-'60s MOR. Lame radio [includes some tunes with poor stereo separation] such as Robbie Dupree's 'Steal Away,' Dr. Hook's 'When You're In Love With a Beautiful Woman,' Samantha Sang's 'Emotion,' etc. All sounds appear to originate from the center, with only slight touches of reverb and incidental background percussion in the left and right channels. These lackluster production/mixdown techniques only add to the 'lame'ness of the material, and may cause a person to wonder why he went to all the time and expense of setting up a stereo system in the first place." Paul pointed out how KZEW 97.9 Dallas is using the Christmas period to good advantage to change formats. It's possible this will be a national trend—for a station to go all Christmas music in December, and then in January take on a new format. It's also a good time of year to look for new FM stations. Many broadcasters try to come on the air with a brand-new station in December. Look for them popping up on the dial where you live, and write in with mention of their 1) stereo use or nonuse; 2) music format; 3) any non-ID or multi-city identifications in use.

Inventor of the term "lame radio" is New Jersey's Bill Nienajadly, who defines it as: "A format taking hits of the '50s-'60s, '70s with all worthwhile, exciting, upbeat songs deleted! Left is a poor 'mix' of stale, boring, long worn-out selections and 'safe' songs and 'safe' artists. Poor entertainment value! Lame radio also has been noted to play recent 'safe' hits and 'safe' artists, only after regular top 40 has beaten said songs well into the ground! Typical listeners to lame radio: mostly 9 to 5 captive office workers and former 'b' format listeners who have no more 'b'

station to listen to. The library of most lame stations seldom exceeds 300 to 400 songs, or 30 to 50 artists, whichever number is lower! Music also best described as ad nauseum regurgitated love songs and often very depressing selections! Often repetitive safe artists and safe selections played well out of proportion to their original popularity. Casualties of lame radio are beautiful music stations, top 40, AOR, classical, oldies—all of which have been dumped in various markets in favor of 'sterile,' 'safe,' 'stale.' Lame radio! See back issues of FMedia! for listings of lame radio stations. Bruce, mention to Ernie Cooper [see last month, p. 8] I did NOT mean to offend him at all! I apologize if I did!"

Scott Fybus, too, suggested new format codes, particularly for the rock stations. He'd add "h" for hits, and confine "r" to straight AOR formats, like KLOS Los Angeles. His combinations would read something like "mh" or "hm" for lite rock or lite hits. He'd add "a" for new age, as a format that looks like it's "here to stay." He wishes a Happy Holiday season to FManiacs (!) everywhere, and comments on his local Family Radio station, WFRW *88.1 Webster NY, saying their signal favors Ithaca and the Finger Lakes, rather than nearby Rochester.

"I've also noted that WFRW's programming is almost always parallel to WYFR's shortwave broadcasts from Okeechobee FL (same site as WWFR-FM). WYFR is heard clearly across the country on various frequencies all day long. Perhaps the FCC should tell broadcasters that they may have either one international shortwave station or an unlimited number (14 for commercial stations) of AM or FM stations in the U.S. It seems extraordinarily selfish of FR to have as large a network of standard-band stations in addition to WYFR.

"The FCC must not care about commercials on noncommercial licensed stations if said commercials are not in English. At least, that's the impression I get from the weekend broadcasts in Spanish on *90.5 WBER here, which contain several minutes of paid spots each hour (I don't speak Spanish, but they SOUND like paid spots). The people behind these broadcasts would like to secure a fulltime Spanish station for Rochester, and are trying to prove that the support exists."

Not exactly a fan of commercial radio is Dave Beauvais, but he has high praises for the new stereo WVAY 100.7 Wilmington VT. It's "managed to do just about everything right—from programming to antenna placement. Their format is mostly World Beat/New Age/accessible jazz, all from compact discs. 'VAY has struck a happy balance between commercial viability and musical good taste, and has successfully penetrated the listener base

previously loyal to Greenfield's WRSI. . . WWAY avoids schlock and schmaltz, and goes for the highest quality musicianship within its chosen genres. [It's] blessed with one of the finest VHF transmitter sites in all of southern Vermont. The key to this site is not sheer brutal height, but the fact that it commands a long, clean and unobstructed shot in almost every direction except due north. . . Running less than 200 watts, they deliver reliable, stable coverage in a moving vehicle for at least 60 km to the south and west and usable signal on favorable terrain out" even farther in selected directions. "If WWAY doesn't make a go of it financially, there's probably no hope for any newcomer on the band.

"I can't close without responding to an item in the last issue of FMedia! I note with a profound sense of foreboding and outrage that a commercial station recently was fined \$2000 by the FCC for playing the song 'Penis Envy' by the Seattle-based satirical group known as Uncle Bonsai. . . There is nothing remotely obscene about this song. In fact, the only quasi-vulgar reference in the titled piece is the eponymous Latin term for the male member, which Dr. Ruth uses with considerable liberty (and no seeming FCC discomfort) in her broadcasts. The song is a spiffy, politically-tinged feminist romp through (some) men's narcissistic fascination with 'their thing' and the presumed pleasure and empowerment it conveys. The whole thrust of the song (if you'll pardon the pun) is conveyed in its closing couplet:

'If I had a penis, I'd still be a girl
But I'd make much more money and
conquer the world!'

"The piece is Swiftian, with a skew toward the Rabelaisian, but the intent is political rather than scatological. We can only speculate on why the rightward-lurching commissioners of the Reagan/Bush era seem so disturbed by social satire which sinks its teeth close to the bone of male political and economic privilege. Their overzealous intervention in broadcast content is particularly annoying, since those of us involved in communications work elsewhere in the radio spectrum have found it virtually impossible to interest that same Commission in our complaints about malicious interference to disaster communications networks, and the incursion of outlaw operators into the amateur and public service bands. . . It's only another aspect of the pogrom against 'alternative' political and social lifestyles which the last two far-right presidential regimes have practiced in the name of upholding middle-class social orthodoxy. And it's bound to continue until the American people wake up, or rise up, and put a stop to this politically motivated attack on their civil liberties, which is reducing to rubble the long-cherished concept of an open media marketplace for controversial ideas."

Now, to an update on Los Angeles, which I recently prepared for a reader. I hope that as reader contributions come in to be able to offer more dial histories this year.

Metropolitan Los Angeles FM Station History by Frank Drobny

All stations licensed Los Angeles unless indicated otherwise

Freq.	1949	1955	1959	1960	1970	1980	1990
88.1	--	KLON	KLON	KLON	KLON	KLON	KLON ⁶
89.1	KSCS	--	--	--	--	--	--
89.9	KCRW	KCRW	KCRW	KCRW	KCRW	KCRW	KCRW ¹
90.7	--	--	KPFK	KPFK	KPFK	KPFK	KPFK
91.5	KUSC	KUSC	KUSC	KUSC	KUSC	KUSC	KUSC
92.3	--	KFAC-FM	KFAC-FM	KFAC-FM	KFAC-FM	KFAC-FM	KFAC/KKBT
93.1	KNX-FM	KNX-FM	KNX-FM	KNX-FM	KNX-FM	KNX-FM	KNX-FM/ KOD ¹
93.5	--	--	--	KAPP	KKOP	KKOP	KKOP ²
93.9	--	--	KPOL-FM	KPOL-FM	KPOL-FM	KZLA-FM	KZLA
94.3	KWIK-FM ¹³	--	KVFM	KVFM	KVFM	KGIL-FM	KMGX ³
94.7	KFMV	KFWB-FM	KRHM	KLAC-FM	KMET	KMET	KTWV
95.5	KECA-FM	KECA-FM	KABC-FM	KABC-FM	KLOS	KLOS	KLOS
95.9	--	--	KDOG	KEZR	KEZY-FM	KEZY-FM	KEZY ⁴
96.3	KRKD-FM	KRKD-FM	KRKD-FM	KRKD-FM	KFSG	KFSG	KFSG
96.7	KVOE-FM	KWIZ-FM	KWIZ-FM	KWIZ-FM	KWIZ-FM	KWIZ-FM	KWIZ-FM ⁵
97.1	KKLA	--	KFMU	KFMU	KGBS-FM	KHTZ/KBZT	KLSX
97.9	KMAU	--	KNOB	KNOB	KNOB	KNOB	KNOB ⁷
98.3	KAGH-FM*	KWKW-FM	KDWC	KDWC	KBOB	KBOB	KBOB ⁷
98.7	KMGH	KCBH	KCBH	KCBH	KJOI	KJOI	KJOI
99.5	--	--	KHOF	KHOF	KHOF	KHOF	KKLA
100.3	KMPC-FM	--	KMLA	KFOX-FM	KFOX-FM	KIQQ	KQLZ
101.1	KHJ-FM	KHJ-FM	KHJ-FM	KHJ-FM	KHJ-FM	KRTH	KRTH-FM
101.9	KOMB	KUTE	KUTE	KUTE	KUTE	KUTE	KMPC-FM/ KEDG/KLIT ⁸
102.3	--	--	KFOX-FM	KJLH	KJHL	KJLH	KJLH ⁹
102.7	--	--	KLAC-FM	KRHM	KKDJ	KIIS-FM	KIIS-FM
103.1	KNOB	KNOB ⁶	--	KSRF	KSRF	KSRF	KSRF ¹
103.5	--	--	KGLA	KADS	KOST	KOST	KOST
103.9	--	--	KTYM-FM	KTYM-FM	KAGB	KACE	KACE ¹⁰
104.3	KFAC-FM	KSRT/KPLA	KBIQ	KBIG-FM	KXTZ	KBIG	KBIG
105.1	KCLI	--	KBCA	KBCA	KBCA	KKGO	KKGO-FM/ KKGO
105.5	--	--	--	KLFM	KNAC	KANC	KNAC ⁹
105.9	KFI-FM	KBMS	KBMS	KBMS	KNAC	KMGG	KPWR
106.3	--	--	--	KFIL	KYMS	KYMS	KYMS ⁵
106.7	--	--	--	KPPC-FM	KROQ-FM	KROQ-FM	KROQ ¹¹
107.1	--	--	--	KMAX	KMAX	KMAX	KMAX ¹²
107.5	--	--	KBBI	KPSA	KEZN	KLVE	KLVE

Footnote references to cities: 1) Santa Monica; 2) Redondo Beach; 3) San Fernando; 4) Anaheim; 5) Santa Ana; 6) Long Beach; 7) West Covina; 8) Glendale; 9) Compton; 10) Inglewood; 11) Pasadena; 12) Arcadia; 13) Burbank
*KAGH-FM calls used in 1949 and KARS (98.3) in 1950, both in Pasadena. KWKW-FM also licensed to Pasadena.
Note: KMAU 97.9, KOMB 101.9, KCLI 105.1, all Los Angeles, were construction permits and probably never operated. KNOB Long Beach moved from 103.1 to 97.9 by 1959. Only principal noncommercial stations (88-92 mhz) listed here.

Earlier FM Stations, Including those on the 42-50 mhz band
1941 : 44.5 K45LA (Don Lee) 1946: 99.7 KHJ-FM
1943: 44.5 KHJ-FM (Don Lee) 100.1 KTLO; later KMGH 98.7
46.1 KTLO (MGM, but no
evidence this station ever operated)

Suburban Stations Not on Main List, Within 100 km of Los Angeles

Freq.	1949	1955	1959	1960	1970	1980	1990
92.7	--	--	--	--	KNJO	KNJO	KNJO ¹
92.7	--	--	--	KACE-FM	KACE-FM	KHNY	KWDJ ²
93.5	KOCS-FM	KEDO	KASK	KOYA	KSOM-FM	KNTF	KNTF ³
94.3	KCSB ¹¹	--	--	KGGK	KTBT	KIKF	KIKF ⁴
95.1	KFXM-FM	--	--	--	KQLH	KQLH	KQLH/ KFRG ⁵
95.1	--	--	--	KUDU-FM	KBBY	KBBY	KBBY ⁶
95.9	--	--	--	--	KEWE	KGAB	KZTR/ KZTR-FM ⁷
96.7	--	--	--	KCAL-FM	KCAL-FM	KCAL-FM	KCAL-FM ⁹
96.7	--	--	--	--	--	KAAP-FM/KKBZ	KIEZ/ KXPT ¹⁰
97.5	KPOR	--	KDUO	KDUO	KDUO	KDUO	KDUO ²
98.3	--	--	--	--	KDAR	KDAR	KDAR ⁷
99.1	--	--	KPLI	KPLI	KBBL	KGGI	KGGI ²
99.9	KBMT	--	KFMW	KFMW	KOLA	KOLA	KOLA ⁵
100.7	--	--	--	KVEN-FM	KVEN-FM	KHAY	KHAY ⁶
103.1	--	--	--	KJAS	KOCM	KOCM	KOCM ¹²
103.9	--	--	--	--	--	KBON	KSHO ¹³
104.7	--	--	--	KAAR	KPMJ	KACY	KCAQ ⁷
105.5	--	--	--	--	KHSJ-FM	KHYE	--
105.7	--	--	--	--	--	--	KHYE ⁸
107.1	--	--	--	--	--	--	KAGR ⁶
107.9	--	--	--	--	KAPX	KWVE	KWVE ¹⁴

Footnote references to cities: 1) Thousand Oaks; 2) Riverside; 3) Ontario; 4) Garden Grove (KTBT [94.3] was KORJ before becoming KIKF); 5) San Bernardino; 6) Ventura; 7) Oxnard; 8) Hemet; KHYE was to have moved from 105.5 to 105.7 by 1990; 9) Redlands; 10) Santa Paula; 11) Colton (this station was probably never built); 12) Newport Beach; 13) Lake Arrowhead; 14) San Clemente

Until next month,

FMedia!

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A NEWSLETTER OF FACT AND OPINION ABOUT
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FROM THE PUBLISHERS OF THE
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New FM Station, Translator Grants

AZ Cottonwood K216-- *91.1 ETV translator, primary unknown [90.1 Ashland OR]
CA Central Valley K216-- *91.1 (KSOR/
CA Martinez KKIS-FM- 92.1 75-watt booster of Walnut Creek station
CA Pittsburg KKIS-FM- 92.1 30-watt booster
CA San Ramon KKIS-FM- 92.1 30-watt booster
CA Shingle Springs K202BF *88.3, on air, serving east part of Sacramento. The Family Stations, Inc. translator serving the west half of Sacramento is K207AW *89.3 Verona, transmitting from the "old KROY tower." K205BL and K207AW get their signals off air from K205BL *88.9 Danville CA, thence from primary KEAR *106.9 San Francisco.
CT Huntington WMNR-1 *88.1, 20-watt booster of Monroe station [100 m, GB Bcstg.
FL Gulf Breeze (Pensacola) 95.3 3000 h,v/
GA Reidsville 104.1 1400 h,v; 142 m, R. Bcstg. Corp. [Broadcasting Co.
GA Trion 95.7 600 h,v; 213 m, Tri-State/
HI Hilo KEAU *88.1 5000 h,v; -340 m, HI Public Radio, to be \$, c
ID Ketchum K216-- *91.1 (KBSU 90.3 Boise)
ID Sun Valley K205-- *88.9 (KSJN 91.1 St. Paul MN, via satellite) [translator, W205-- --]
IN Cedar Lake *88.9 (WMBI-FM 90.1 Chicago/
IN Nappanee 95.7 1400 h,v; 148 m, The Cobbs
IA Eddyville 101.5 50000 h,v; 150 m, "O" Town Communications; r, "Rumor has it that they'll run a-c or classic rock"
KS North Fort Riley (Manhattan) 102.5 50000 h,v; 150 m, Anita Kay Cochran
KS Rozel (26 km W. Larned) 98.7 500 h,v; 30 m, Lee E. Scott [-Regenstreif Assoc.
KY Midway 107.9 3000 h,v; 100 m, Belhouse/
MS Greenville 104.7 50000 h,v; 146 m, Segue Communications [m, MW Multicom, Inc.
MO Willard (Springfield) 100.5 3000 h,v; 100/
NE Alliance *91.1 92300 h,v; 404 m, NET Commission
NE Lincoln 105.3 3000 h,v; 22 m, L. Bcstg, Inc.
NJ Ocean Acres (39-44-30; 74-18-00; 7 km NW Manahawkin) 98.5 3000 h,v; 100 m, Seaira
NY East Windham (west of Catskill on Rt. 23) W210-- *89.9 (WFME 94.7 Newark NJ), atop Camp Pinnacle Mountain and aimed into the "Capitol district" around Albany. "On a 90-day trial." [94.7 Newark NJ]
NY Rhinebeck W272AF *102.3 (WFME/
OH McConnelsville 100.9 930 h,v; 176 m, Trell Bcstg. Co. [Lane Community College
OR Newport *90.5 3000 h,v; 263 m,
PA Forest City W202AK *88.3 (WKDN 106.9 Camden NJ), to receive its signal off air from W280CV 103.9 Scranton, which gets its

signal from W208AF *89.5 Nanticoke
PA Northumberland 107.3 2000 h,v; 115 m, W. P. Zurick [m, Kirkwood Bcstg.
SD Sioux Falls 101.9 19500 h,v; 239/
TX Hereford 103.5 50000 h,v; 150 m, Johnny V. Gomez [of Provo station
UT Park City KZHT-1 94.9 100-watt booster/
WA Pullman *88.1 200 vertical only; 248 m, g, Living Faith Fellowship [Point NC)
WV Princeton W216-- *91.1 (WHPE 95.5 High/
WI Sturgeon Bay *90.5 50000 h,v; 163 m, g, Family Educ. Bcstg. Corp.
ON Ottawa *89.1 3200 h,v, U. of Ottawa student "Radio Ottawa, Inc.," replacing carrier-current station
*90.7 CBOF AM replacement, mono, French, 84000 h,v; 323 m [h,v; 323 m
*91.5 CBO AM replacement, mono, 84000/
-- Rawloc, CFGO, with an rm format, but "can't use the 92.1 mhz frequency as proposed for technical reasons and has to obtain CRTC and DOC approval for a new frequency before the licence can be issued." Power, height not given. In granting Rawloc, the CRTC denied applications from Standard Radio, Inc., Robert E. Redmond and R. K. Whyte.

Call Letters Assigned

AL Fayette 98.1 WTXT (WHKW)
AL Russellville 97.7 WZMX (WKQL; the WKQL calls go to Jacksonville FL)
AZ Phoenix 102.5 KNIX--FM" (KNIX-FM; AM in Tempe gets new calls)
AR Trumann 106.7 KIHW [Valley CA)
CA Gonzales 104.3 KPUP-FM (AM is in Carmel/
CA Guadalupe 105.5 KOHD
CA Los Gatos 95.3 KRTY (KYAY)
CA Madera 107.3 KJDN [""lite AC"
CA Sacramento 96.1 KYMX (KCTC), mr./
CA Taft 103.9 KMYX-FM (KLVK), m, adult standards in \$[tereo], but off air for move to a new transmitter site
FL Beverly Hills 97.1 WPDS (WEOA)
FL Chattahoochee 105.3 WUMG
FL Clearwater 97.9 WXTB (WKRL), r, still "98 Rock." Was briefly all Led Zeppelin, which group disbanded in 1980 after drummer John Bonham died of an alcohol overdose; they released only 10 albums over a 12-year period. "Maybe AMs aren't the only ones in trouble—but a Class C FM?" [rock]
FL Jacksonville 96.9 WKQL (WAIV-FM), o [ldies/
FL Leesburg 106.7 WXXL (WHLY), still r, "XL-106.7"
FL Newberry 100.5 WNFQ
GA Clarkesville 102.9 WCHM--FM"
GA Valdosta *91.7 WWET, now on with Peach State Public Radio
HI Lihue *90.1 KIPU
IL Belvidere 104.9 WXRK (WYBR), op, "The X." This "in response to WIBA-FM's (Madison WI) strong signal stealing Rockford listeners."
IL Chicago *88.3 WXAV [in Wichita)
KS Hutchinson 102.1 KZSN-FM (KZSN; AM is/ KY Vanclave 99.9 WUMD

LA Buras-Triumph 94.1 KESN
LA Mamou 101.1 KIHG
ME Fairfield 93.3 WUMH
ME Old Town 107.3 WUMC
MI Allegan 92.3 WKGH
MN Caledonia 94.7 KKOQ
MS State College 104.3 WUMI
MO Bolivar 105.9 KGBX--FM" (KYOO-FM), r (AC, oldies), ID with Springfield ("doesn't say Bolivar")
MO Cameron 92.3 KDEE (not KFRF, which is an AM station in Englewood CO)
MT Ennis 98.7 KKMT-FM (KKHJ)
NV Carson City *91.3 KNIS (KNIB)
NV Eiko *91.5 KNCC
NV Las Vegas 103.5 KLTN, "Lite 103-5" (KKWN; KRBO Las Vegas is on 105.1)
NV Mesquite 97.5 KIPP
NH Moultonborough 106.9 WNHX (from KHSA)
NY Ellenville 99.3 WWWK (WELV-FM), m, "K-Lite 99.3 FM" (strict)
NY Frankfurt 94.9 WKLL
NY Old Forge 94.1 WUMA
NY Utica 98.7 WLZW (WNYZ), m, "lame, like ULTW 106.7 New York"
NC Charlotte 95.1 WROQ-FM (WROQ)
ND Valley City 100.9 KOVC-FM (KLPR), o, SMN Pure Oldies
OH Cleveland Heights 92.3 WJMO-FM (WRQC), s, "Jammin' 92" (no more "Hot 92")
OH Hamilton 103.5 WGRN (WBLZ), o, "Oldies 103.5"
OK Taft 100.3 KHJM (KTCP)
OK Tishomingo 106.3 KTSH
OK Woodward 92.1 KMZE (KWJY), to return to the air, \$
OR Myrtle Point 94.1 KNAR
OR Portland 101.9 KUFO (KKCY), r
PA Lock Haven 92.1 WSNU (WWZU), "Sunny 92," r, drops multi-city ID
PA North East 100.9 WRKT (WRKT-FM), op
PA Pittsburgh 104.7 WESE-FM (WNRJ; AM is in Boston MA), b, easy listening, "Nice and Easy 104.7 FM," filling the void left by WSSH 99.7 changing format. Both WESE-FM and its co-owned AM, WKPA 1150, were sold, but "the new owner said there would be no format changes to either station (right-hal) . . . The area struggling AM stations (i.e., WIXZ, WCXJ) missed a golden opportunity. 'World Class Energy 105' lasted all of eight months. Good riddance to it." [calls)
105.9 WAMO--FM" (WAMO-FM; AM gets new/
TN Jackson *90.1 WJTR
TN Maryville 95.7 WGAP-FM (WYNQ)
TX Dallas 97.9 KKWM-FM (KZEW), m, "Warm 97.9 FM," is "soft rock but not totally lame. [The] area now has three soft rock stations and one easy/elevator music station. KOZY placed 15th and KMGC placed 17th in the fall '89 ratings; now with the new 'Warm 97.9', their audiences will be diluted farther. . . simulcast on AM stereo 570," formerly KLDD.
TX Johnson City 107.9 KBZD
TX South Padre Island 92.7 KJIB (not KOUA)
TX Victoria 92.3 KAMV, to be 100 m (3000 h,v)
TX Wichita Falls 105.5 KLHA
UT Centerville 105.7 KBCK (KCGL)
VA Accomac 99.3 WKIY
VA Christiansburg 100.7 WQQX (WFNR)
VA Crozet 102.3 WCYK-FM (WJLT-FM), k

WV Wheeling 97.3 WKWK-FM (WEEL), m, 107.5 WEGW (WZMM), op, "Eagle 107."
 "WZMM could have been a success with its heavy metal format if they could have put a decent signal into Pittsburgh. WDVe and WMYG [Braddock] cover Wheeling well, and will probably eat this format alive."
 WI Green Bay 98.5 WQLH (WDUZ-FM), m, \$, "New Lite 98.5, WQLH"
 WI Mayville 98.7 WMVW (not WTUA)
 WY Diamondville 105.3 KFGL
 "Please don't cut FMedia! I enjoy that immensely! Don't let some [expletive deleted] ruin that"

Facilities Changes Granted

AL Citronelle WKOR 101.9 133 m (1700 h,v)
 AL Eutaw WIDO 104.3 2300 h,v; 113 m
 AL Mobile WKSJ-FM 94.9 459 m (100000 h,v)
 AK Anchorage KNK-FM 105.3 44500 h,v (79 m) [1900 h,v; 174 m, still Class A
 AR Huntsville KFAY-FM 92.9 (from 95.9)/
 CA Cherry Valley K217BJ *91.3 to carry KEAR *106.9 San Francisco by satellite (not KEFR *89.9 Le Grand); K217BJ still unbuilt
 CA Desert Center KZAL 105.5 (from 102.3) 58000 h,v; 579 m, simulcasting with KZUL 105.1 Lake Havasu City AZ
 CA Double Mountain K219AO *91.7 (from "Fairmont"), showing actual location of this translator designed to serve Tehachapi.
 CA Felton K216AX *91.1 (actual city of service, from "Laurel," transmits from "Empire Grade"), A KEAR *106.9 S. F. translator.
 CA Madrone (from "Laurel-Madrone") K212AR *90.3, a construction permit to serve San Jose, from Loma Prieta. Also listed as serving San Jose are the following Family Stations, Inc. translators: K296BZ 107.1 Cupertino ("off air/licensed") and K201BE *88.1 San Martin, a CP with transmitter atop Loma Prieta. K296BZ's site also given as Loma Prieta. Strange—three translators for Family Radio all from the same site and all claiming to serve San Jose.
 CA San Joaquin K203AQ *88.5 (from Helm), on air, transmitting from the "San Joaquin Ridge," and serving Coalinga. "I drove to Helm and could not hear it! It comes in from Madera to Delano. . . Next time I get to the Desert-Lancaster, Boron, Barstow, Victorville area, I'll check to see if the KEFR transators are there. The loss of Poso may have broken that chain (or they are now satellite fed)."
 CA Soledad K240AK *95.9 with KEAR 106.9 San Francisco (replacing K219AU *91.7, a KEFR 89.9 Le Grand translator); listed as "Greenfield," but with transmitter on Soledad Peak
 CA Woodlake K276AK *103.1 (from "Woody," transmitting from "Blue Ridge," and serving Visalia)
 KQKX 104.1 17500 h,v; 256 m
 CA Woody K220AA *91.9 (from "Caliente"), transmitter five km NE of Woody, serving Delano. None of these is a change in translator city of license, but reflects actual transmitter location or service area. "Family Radio has a way of putting translators a long way from city of license."
 CO PagosaSprs. K202- *88.3 (was K217BL 91.3), to avoid interference caused by the recent addition of several powerful Farmington NM stations in the area. The new frequency is one of the "cleanest available in the noncommercial band."
 CO Towaoc K210- *89.9 (from *88.1), a KSUT translator, "most likely on Missionary Ridge. It is with this new Durango-area translator that they're most likely feeding Farmington, as it's the only site besides Cortez that would make such a chain possible."
 CT Danbury W211AB *90.1 (from Germantown)
 FL Crestview WAAZ 104.7 (from 104.9) 50000 h,v; 150 m, C2 [(23400 h,v)
 FL Homestead WXDJ 95.7 513 m/ [m, C1
 FL Melbourne WAOA 107.1 100000 h,v; 183/

FL Mexico Beach WMQA 99.3 100 m (3000 h,v)
 FL Orlando WURG 98.9 1500 h,v; 134 m [C1
 ID Lewiston KOZE-FM 96.5 27500 h,v; 274 m, /
 IN Fort Wayne WAJ 95.1 39000 h,v (207 m)
 KS Wichita KEYN-FM 103.7 95000 h,v; 262 m, forfeited CP for 315 m
 KY Burnside WJDJ 93.9 50000 h,v; 150 m, C2
 KY Lexington WUKY *91.3 95000 h,v; 306 m
 LA Lafayette KRRQ 95.5 2100 h,v; 119 m, not yet on [grant for 98.7 rescinded
 LA Oakdale KICR-FM 104.9 3000 h,v; 70m, /
 LA Thibodaux KNSU *91.5 10 h, remove stereo listing. "Its CP for 91.3A is about eight years old and has never been activated. For all I know, the station may not be on the air any longer. KPAA *91.5 Erwinville LA is stereo."
 ME Madawaska-Edmunston NB W237AP 95.3 opens a branch office in Madawaska, in addition to its studios in Presque Isle, and said to be "the top-rated radio station in northern Maine and western New Brunswick"
 MD Annapolis WFSI *107.9 d-a (directional)
 MD Hagerstown W228AB *93.5 (from W203AC 88.5)
 MD Waldorf WXTR-FM 104.1 22000 h,v; 233 m
 MA Boston WROR 98.5 9000 h,v; 349 m
 MA West Yarmouth WOCB-FM 94.9 120 m (50000 h,v) [31600 h,v; 188 m, C2
 MI Kalaska WKLT-FM 97.5 (from 97.7)/
 MI Rogers City WMLQ 96.7 (from 97.7) 26000 h,v; 117 m, C2 [50000 h,v; 138 m
 MN Blue Earth KJLY 104.5 (from 100.9)/
 MN Cloquet WSCN *100.5 (from 100.9) 97200 h,v; 267 m [147 m, C2
 MS Ocean Springs WOSM 103.1 50000 h,v;/
 NE Nebraska City KNCY-FM 97.7 26000 h,v; 91 m [(50000 h,v)
 NH Portsmouth WHEB-FM 100.3 136 m/
 NJ Atlantic City W207AB *89.3 (from Brigantine, transmits from the A.C. sawage plant)
 NJ Trenton WCHR 94.5 50000 h, 47900 v, 150 m, d-a (directional antenna)
 NM Farmington K288EL 105.5 now has KISZ-FM 97.9 Cortez CO (from KRSJ 100.5 Durango). "This solves KISZ-FM's reception problem which cropped up about a year ago when KRWN 92.9, KWY K-FM 94.9 increased power. Also, KPCL 95.7 signed on and between the three of them created a terrible intermod and blanketing condition which severely affected reception of KISZ-FM in the downtown Farmington area. I might add that KISZ-FM is and has been rated No. 1 by both Arbitron and Birch in Farmington for several years now. . . K288EL was more or less forced to drop KRSJ after a local Farmington AM complained to ABC network about KRSJ 'importing' the Paul Harvey programs into Farmington, of which the local Farmington station had the exclusive rights to carry. I guess ABC told KRSJ to either vacate Farmington or drop Paul. As a sidenote, K288EL transmits from the same tower as KNMI *88.9, though this is subject to change in the non-too-distant."
 NM Roswell KURQ 106.5 52000 hv.; 41 m, C1
 NY Catskill W214- *90.7 (from W285AM 104.9)
 NY Kingston W219- *91.7 (from W220AE 91.9)
 NY Olivebridge W202AJ *88.3 (changed from West Hurley to show actual transmitter location)
 NY Ravena W285AM *104.9 (from Catskill). "The former 104.9 in Catskill had problems serving the city, so they relicensed it to Ravena. Now it IDs as 'Ravena-Hudson', but doesn't cover Ravena too well, so they'll seek to revert to 'Hudson-Ravena'." This information came from Sam Feroni of Christian Media Associates, the organization in charge of WFME 94.7 Newark NJ's Hudson Valley translators, at (914) 876-6701. "Try to act extremely Christian" when calling.
 OR Bend KIDD-FM 98.3 650 h,v; 215 m
 PA Altoona W214AB *90.7 (from Bedford), transmits from "Blue Knob." "I can now hear

this regularly, but never used to."
 PA Blue Ridge Summit W272AS *102.3 (from W209AH *89.7 Waynesboro); carries WOEL *89.9 Elkton MD, despite much closer WMTB 89.9 Emmitsburg MD. This due to quirks of terrain and WMTB's shielding behind a mountain ridge. "Sometimes the WOEL signal fades and I hear WV Public Radio, being relayed on WMTB."
 PA Mifflinburg WWBE 98.3 123 m (3000 h,v)
 TN Chattanooga WDTN *89.7 100000 h,v (250 m) [100000 h,v; 170 m, C1
 TX Canadian KEZP 94.9 (from 103.1)/
 TX Denton KNTU *88.1 with directional antenna-2, separate day and night patterns. KJCR *88.3 Keene is protected all the time, while KEOM *88.3 Mesquite is protected only during the daytime (school) hours when it is on—believed the only FM station in the U.S. with a DA-2. When KEOM is off the air, KNTU can expand its 100 kw coverage in that direction. [h,v; 133 m, C2
 TX Denver City KDNC 97.5 (from 107.1) 50000/
 TX Galveston KQQK 106.5 400 m (100000 h,v)
 TX Kingsville KWVS 97.5 directional (d-a)
 VT Lyndon WGMT 98.3 80 h,v; 573 m, to be m, target date to be on Mar. 1
 TX Waco K221DF 92.1 back to carrying KRXX 92.9 Marlin-Waco (from KLTY 94.1 Fort Worth)
 TX Yoakum KYOC 92.5 (from 102.3), A
 WA Edmonds KCMS 105.3 100000 h,v; 302 m
 ON Kitchener CKWR 98.7 1450 h,v (52 m)
 SK Regina—former station CKO-8 was approved to go from 94.5 to 100.7, but since this station is now considered deleted, this change is moot.

Stereo, or to Be Stereo

GA Fort Valley WKXX 97.9
 GA Trenton WBDX 102.7 (from 98.1), serving Chattanooga TN, r, "B-103" (strict)
 ID Payette KQXR 100.3, o, back on air as of 1-15-90, "Q-100"
 IL Lynnville WEA 107.1, r, ID with Jacksonville, on from 6 a.m. to midnight [still "B-102"]
 LA Boyce-Alexandria KBCE 102.3, s, /
 LA Opelousas KVOL 105.9, rp, ID with Lafayette, "105.9 KVOL, the rock legend"
 LA Washington KNEK-FM 104.7, k[ountry]
 MA Athol WCAT-FM 99.9. It "completely destroys my reception of the evening jazz program on WQRS (99.9) Barnstable MA, since I cannot find any beam position which nulls both WCAT-FM and WKZS (Auburn ME) sufficiently. Also, WNNH Henniker NH 99.1 is messing up reception of WPLM-FM Plymouth MA, anywhere north of Andover MA. WPLM-FM used to be fine on the car radio as far north as Derry NH. WPLM-FM is still OK here on the beam, though. In my opinion, neither WCAT-FM nor WNNH should have been allowed, since they cause interference to existing stations." ID with Orange, trying to get into Northampton with announcements, "Turn it up, Northampton!" "Northampton will have to turn it up pretty loud, considering that the 'CAT signal barely makes it into downtown! . . . Could it be that this solicitation is actually (and deceptively) aimed at Athol/Orange area advertisers, to give the impression that the station is reaching a desirable affluent audience which in fact cannot really hear them very well?"
 MA Boston WBUR *90.9 is an "intensely quality-conscious public radio station. They

Format Changes

Formats are the same as in the "FM Atlas"

- shut off their stereo generator at 4 p.m. for 'Fresh Air', keep it off through 'All Things Considered', then turn it back on later in the evening... WBRB *100.1 here at the Brandeis campus leaves its generator on for mono broadcasts of Student Senate meetings."
- MA Greenfield WHAI-FM 98.3. They're applying for an increase in height and slight decrease in ERP to serve the Amherst-Northampton market. "The market continues to be Mecca to all the regional broadcasters."
- MO South West City KWMQ 100.3, k
- NY Arlington WEXT 96.9 fm, "a mix of jazz, pop, AOR, soul, new age, blues, but it's all soft, so the overall sound is more MOR than rock or even AC... almost entirely 'unfamiliar' (non-hit) tracks." NonID: "Next FM." [rock, "the "New Q-102.5"
- NC Louisburg WHLQ 102.5 r, "AC/oldies, some/
- SC Greenwood WMTY-FM 103.5, "Y-103.5"
- TN Graysville WAYB 95.7, mr, parallel to WAYA 93.9 Spring City TN
- TX Columbus KULM 98.3, k
- TX Madisonville KAGG 96.1, k, ID with Bryan-College Station, "Aggie-96," named after Texas A&M University at nearby College Station, and "receivable along a large stretch of I-45."
- TX Marshall KEEP 92.3, rm
- TX Sherman KWSM 104.1, mr, "soft AC," ID with Denison, no nonID, saying "South 104.1, KWSM"
- WA Olympia KXXO 96.1, r, "soft rock," but heavier than other soft-rock stations in Seattle or Portland. On air from Rooster Rock at 8500 h.v; 640 m. "They had received calls from as far north as Bellingham WA and from south of Portland. It will be very interesting if anyone reactivates the old 96.1 channel in Vancouver BC... I have listened to CKO in stereo on the outskirts of Olympia. That could create a real signal mess in this area." Prior to its Jan. 16 sign on, KXXO carried "environmental sounds—birds, crickets, water, etc. as if a mike were put in a field and picked up whatever." It's "The New Mix 96."
- WI Chippewa Falls WCFW 105.5, still mk (beautiful music and pol kas), mentioning the "improved sound" with stereo. No nonID, and using an old jingle with a lady's voice, "WCFW, where FM means fine music."

Monophonic

- CA Yucaipa KLRD *90.1, gr format. "We tried stereo, but it reduced our coverage. We play Christian contemporary music and have no talk programs over five minutes." Over 1500 listeners pledged \$299,243 during the four-day Share-a-thon '89, aided by 100 volunteers. A music station without stereo!
- CO Ignacio KSUT *91.3, remove \$ listing. Has been mono for several months now. "I really don't think they have any plans to return to stereo."
- LA Lafayette KSJY *90.9 is mono—remove \$ listing

- AL Fayette WTXT 98.1 k[ountry]
- AL Montgomery WBAM-FM 98.9 o[ldies rock]
- AZ Phoenix KOOL-FM 94.5 o, still "Cool FM"
- AZ Tucson KWFM 92.9 o
- AR Pine Bluff KOLL 94.9 o, "Kool 95"
- CA Bakersfield KERN-FM 94.1 o [lite"
- CA Carpinteria KSBL 101.7 rm, "Santa Barbara/
- CA Glendale KLIT 101.9 rm ["Z-Rock"
- CA Hanford KCLQ 107.5 r, not yet going/
- CA Sacramento KYDS *91.5 pr, no jazz, mono, on school days only until about 10 p.m.
- CA San Bernardino KOLA 99.9 o, "Kool"
- KFRG 95.1 k, "95.1 The Frog"
- CA San Diego KSDO-FM op, classic rock (102.9)
- CASan Francisco KITS 105.3 pr, "new wave/rock of the '90s"
- CA Shingle Springs KLIQ 102.1 gr, \$, some "progressive Christian music; a nice station."
- CO Colorado Springs KSPZ 92.9 o, "Oldies 92.9" (from "Z-93-FM")
- CO Pueblo KGRQ 107.1 op, classic rock
- DE Ocean View WRKE 101.7 sr, "Kiss 101.7"
- FL Apalachicola WOYS 100.9 rm, \$ [AM
- GA Ashburn WFFF 105.7 k, parallel to WNNQ/
- GA Atlanta WZGC 92.9 op, "no more tQ [SCS], but still has t(D)"
- GA Boston WTUF 106.3 r, ID with Thomasville
- GA Buford WLKQ 102.3 o
- GA Fort Valley WKXX 97.9 k, \$
- GA Gainesville WFOX 97.1 o
- GA Millen WMKO 94.9 to be k
- IL Chicago WFYR 103.5 o
- WJMK 104.3 o, still "Magic 104"
- IL Quincy WZLZ 103.9 rp, "The Z FM." Sounded "very unprofessional. Made Channel 3 jokes: 'Tonight the real reason why KTVO's [Ottumwa IA-Kirksville MO] tower fell down and why they're not a Quincy station any more...' Also made jokes about other radio stations and played no commercials. So new (or so bad) that they can't sell time!"
- IL Shelbyville WEJT 104.9 bt, b, \$, days; Larry King at night
- IN Brazil WSDM 97.7 mr, SMN Starstation, ID with Terre Haute, still "Wisdom 98"
- IN Rockville WAXI 104.9 m, "Stardust 105" (firms up from "Waxy")
- IA Boone KWBG-FM 98.3 rm
- IA Davenport KLIK 103.7 o, "Cool FM"
- IA Des Moines KUCC *89.3 sj, back on air, mono, with a "signal that is believed to be way below their licensed power." Using a 250-watt transmitter, as the 5 kw unit "wouldn't fire up." Also has tapes (talk) from the Nation of Islam. Has an all-volunteer staff, "very unprofessional, but at least Des Moines' black community has a radio voice again." This reappearance of KUCC after a 1½-year hiatus came after the FCC issued a show cause why its license should not be revoked. FCC inspections showed the station had been evicted from its studios for failure to pay rent, its studio and transmitter site were deserted, power lines severed and the power meter removed.
- KY Georgetown WTKT 103.1 rp, "Cat 103 FM"
- KY Greensburg WGRK-FM 103.1 k, "Kick Country"
- LA Baton Rouge WFME sr, "dance-CHR"
- LA Eunice KJJB 105.5 o, \$
- LA Houma KHOM 104.1 o, "104 The Oldies FM" (from "K-Home 104"), "all oldies, taking a satellite feed... and competing against KQLD 106.7 Port Sulphur-New Orleans (also oldies), which has live DJs long associated with local radio. Both claim to be the No. 1 oldies station. KHOM is taking up a quieter New Orleans role... WEZB 97.1 and WQXY 95.7 New Orleans are no longer up for sale; the economy is alleged to have turned around with sales up considerably."
- LA Laplace-New Orleans-Baton Rouge WCKW-FM 92.3 op, no "Classic Rock" nonID
- LA Mansfield KJVC 92.7 rm, parallel to KDXI AM, with "KDXI" calls heard throughout the hour on FM to the exclusion of KJVC calls
- LA Moreauville KLIL 92.1 r, \$
- LA New Orleans WRNO-FM 99.5 rp, no nonID
- LA Shreveport-Bossier City KITT 93.7 rm, "soft AC" ["Lite 105"
- LA Slidell-New Orleans WLTS 105.3 rm, /
- MD Baltimore WLIF 101.9 mr, soft AC, "Lite 102" (ends "Life")
- MD Salisbury WSBY-FM 98.9 o, "Y-99," facilities change to 6000 h.v (100 m)
- MA Brookline-Boston WBOS 92.9 still mr, but avoiding the "incredible dullness of straight-forward new age formats like Wave and Breeze... is more likely to play an obscure cut... there's always music that I don't know, but I really like it. In contrast, WROR, WVBF and WMJX play all the 'lame' staples over and over and over..."
- MA Lynn WFNX 101.7 still pr, but "trending away from really new music and leaning heavily on the early-'80s output of now established groups like the Smiths, the Cure, REM, et. al."
- MI Alpena WATZ-FM 99.3 k, \$
- MI Grand Rapids WJFM 93.7 op, "classic hits"
- MI Greenville-Grand Rapids WODJ 107.3 o
- MI Kalamazoo WQLR 106.5 mr, "no longer 'b'."
- MS Jackson WJMI 99.7 s, "Power 99" (from "JMI-FM")
- MO Bonne Terre KDBB 104.3 to be r, "B-104"
- MO Kirksville KRXL 94.5 rp, "The X, 94½"
- MOST. Louis KSD 93.7 op, "Classic Rock 93.7"
- MT Wolf Point KTYZ-FM 92.7 rm, SMN
- NH Belmont WCNH 93.3 m, with "very little talk" ["Oldies 99.1" (strict)
- NH Henniker WNNH 99.1 o, \$, / ["Hot FM"
- NY Binghamton WAAL 99.1 rs, still, [103"
- NY Newburgh WGNV-FM 103.1 rs, "Sunny/
- NY New York WLTW 106.7 rm
- NC Greenville WNCT-FM 107.9 r, from b
- NC Jacksonville WKOO 98.7 o[ldies], "Cool 98.7"
- OH Bellevue WNRN 92.1 p, "heavy metal rock, the all new 'W92', distorted audio, screaming DJs, profanity, etc. Sounded like a pirate."
- OH Chillicothe WFCB 94.3 rf, no nonID (no "Stereo 94"), saying "WFCB 94 FM"
- OH Cleveland WCSB *89.3 still p, but heard Christmas Eve with a rap format, using the nonID, "Rebel Radio 89.3." Much of the material "had sexually explicit lyrics and the DJs sounded like they were having a wild frat. party. It was an interesting alternative to the Christmas music on other stations."
- OH Columbus WMGQ 99.7 op, "Magic 99-FM"
- OH Lima WLSR 104.9 r, \$, "Live 105" (from "Lite Rock 105") [Toledo-Waterville
- OH Port Clinton WOSE 94.5 r, \$, ID with/
- PA Beaver Falls WVKK 106.7 r (top 40/oldies). "Even though they tell you 'light rock, less talk', their format is nowhere near light and almost borders on album rock/top 40."
- PA Blairsville WLCY 106.3 rm, "Lucky 106.3"
- PA Cresson WBXQ 94.3 op, classic rock
- PA Ebensburg WIYQ 99.1 o, \$
- PA New Kensington WMXP 100.7 rm, "Mix 100.7 FM," this adult contemporary format has been a surprise success."
- PA Patton WBRX 94.7 n, all news, remove \$[tereo] listing. Is with Business Radio Network.
- PA Pittsburgh WSHH 99.7 mr, "light adult contemporary... Its ratings were always strong [with b], but according to the station, the format had gotten old... Still 'Wish 100,' and all personnel remains."
- PA Renovo WMHU 93.1 to be k
- PA Salladasburg WKHL 95.5 o, \$
- RI Narragansett Pier WPJB 102.7 jr, some c
- RI Providence WWBB 101.5 o, "B-101.5" and "Oldies 101.5" (strict)
- SC Greenville WFBC-FM 93.7 o

TN East Ridge 107.9 to be r, AC/CHR.
 Advertising for staff. Write Ginger Sattler, PO
 Box 9511, ZIP 37412.
 TX Brenham KULF 94.1 r, \$, "Kool 94" (from
 "K-94")
 TX Center KLCR 102.3 k, \$
 TX Corsicana KAND-FM 107.9 rm, AC format
 similar to KBHT Crockett TX and KLAJ
 97.5 Durant OK
 TX Crockett KBHT 93.5 rm, ID with Palestine
 ("pal-es-teen")-Huntsville; "Best Hits 93-5"
 TX Dallas KRSM *93.3 (but still on 88.5, moving
 to 93.3) p, mono, "The Rock" (not strict)
 KMG 102.9 rm, dropping nightly jazz, being
 sold to Cook Inlet Radio for about \$22
 million cash. Cook Inlet now has 12 major
 market FMs.
 TX Georgetown KQFX 96.7 o, "Oldies 96.7,"
 liquidating "The Fox"
 TX Henderson KGRI-FM 100.1 rm, \$
 TX Houston KLDE 94.5 o, no nonID, saying
 "Oldies 94.5, KLDE"
 TX Lamesa KLSC 104.7 o, SMN Pure Oldies
 TX Lorenzo KKCL 98.1 o, "Cool 98," ID with
 Lubbock [m, tU, 67, no nonID]
 TX Luling-Austin KAPT 94.7 [oldies"
 TX Marshall KMHT-FM 103.9 sr, "SMN r&b/
 TX Rockdale KRXT 98.5 k, \$
 VA Bridgewater WRDJ-FM 105.1 rm, "DJ-105"
 VA Clinchco WDIC-FM 93.1 k, AM-FM simulcast
 VA Norfolk WLTY 95.7 o
 WI Baraboo-Madison WOLX 94.9 o, but only
 "top 40/hit oldies"
 WI Evansville WMJB 105.9 rm, still "J-106"
 WI Madison WMGN 98.1 mr, "Magic 98," and
 "largely appealing to women"
 WIBA-FM 101.5 or, some current hits
 WI Milwaukee WZTR 95.7 o, "Star 95"
 WKLH 96.5 op, "Classic Hits 96," and "it
 doesn't have to be old to be a classic," with
 some current music [nine years"
 WMYX 99.1 rm, "successful 'Mix' format for/
 WI Sauk City-Madison WMLI 96.3 rm, "Lite 96"
 WI Washburn WBWA 105.9 rm, dropping nightly
 classical and Broadway music
 NS Halifax (Dartmouth) CFRQ 104.3 p
 Two applicants for the 96.5 spot each specify
 100 kw and will be b format no matter who
 gets it—Arthur Hustins, Jr., or Finley Mac
 Donald.
 PQ Trois Rivières CIGB 102.3 sr, "dance," \$
 ENGLAND BBC, many of whose stations are on
 FM, sounding more like SCA reading services
 to the blind in the U.S.A., carrying as a
 bedtime story, "Lady Chatterley's Lover" in
 a 15-part unexpurgated version of the D. H.
 Lawrence novel, despite media watchdog
 efforts to keep the work and "indecent"
 language off the air. "If NPR (or anybody
 else) were to try what the BBC is doing, Sen.
 Helms would really get upset."
 Thanks to George Greene for sending a long list
 of oldies and classic rock stations. That
 information is being keyed and will appear in
 the next "FM Atlas."
 "I enjoy your publication immensely. Keep up
 the good work!"
 "I'm a new reader, and enjoy the discussion of
 'lame' radio, etc. How do you find the time to
 do it every month?"
 "Owing to the content of the past few issues, I
 have decided against renewing my subscription
 to FMedia! For health reasons, I may or may
 not buy the next edition of the FM Atlas."

On Air (Selected)

AL Athens WZYP 104.3, but needing a spectrum
 analyzer, as has been sending out spurs on
 such frequencies as 103.1, 103.5, 103.9,
 104.1, 104.5, 104.7, 104.9 and 105.3.
 "These spurs disappear intermittently. WZYP
 must not know this is happening after this
 long of a time frame (since late August '89)."
 IA Burlington K285DJ 104.9. Main station calls
 itself "Z-92," but calls the translator "Burling-

ton's Lite 104.9."
 NY Valhalla WARY 88.1 (having moved from
 88.5), mono, "a bit stronger" than when on
 88.5
 NC Chapel Hill WUNC *91.5, but running only
 100 watts because of ice-damaged tower. "Ice
 chunks fell from TV down onto FM antenna."
 NC Grifton WVVY 99.5, having moved from
 99.3
 NC Raleigh WRAL 101.5 back on with new
 tower; old one fell 12-10-89 due to ice
 OK Choctaw K202BH *88.3
 TN Cookeville WGSQ 94.7 (having moved from
 94.3), \$, "The Country Giant"
 TX Bryan KKYS 104.7, having moved from
 104.9, now with 50000 h,v; 87 m, and getting
 well into Madisonville TX, where KAGG 96.1
 just came on the air. "The Madisonville area
 just two years ago had no prime FM stereo
 signals; now has four including KBHT 93.5
 and KIVY-FM 92.7 both Crockett. Indeed,
 FM service in Madison County has gone from
 'rags to riches' in just two years."
 TX Sherman KMIKT 104.9 still 3 kw, but soon to
 be 50000 h,v; 150 m, and announcing this
 over the air. "This should allow them to serve
 Durant and Ardmore OK, all of Lake
 Texoma, and the area from the Red River to
 the northern suburbs of Dallas."

Off Air or Not Yet On

CA Atwater KVRK 92.5
 CA Bakersfield KTIE 107.1
 CA Corcoran KLCZ 102.3, "partly built"
 CA Fresno KFNO *90.3, but "station built"
 CA Goshen KYIA *90.1
 CA Greenacres KAXL *88.3
 CA Greenfield KQKZ 107.9
 CA Kerman KTA 94.3, under construction
 CA Mariposa KHRA 103.9
 CA Orange Cove KMAK 100.3
 CA San Joaquin KVPC 105.5
 CA Visalia KGYU 96.1
 CA Woodlake KQKX 104.1
 CO Silverton KVFC 99.3
 CT Stamford WEDW-FM *88.5
 IL Coal City WKBM 100.7, but advertising for a
 person to do sales and on-air work; (815)
 476-5855.
 LA Belle Chasse KNOK 102.9
 LA Jennings KJEF-FM 92.9, still on 92.7
 LA Lake Arthur KAHJ 107.3
 MO Kirksville KTUF 93.7, still on 93.5
 NV Carson City KRWR 94.7, silent pending sale
 NC Belhaven WKJA 101.1, still on 92.1, "K-92
 FM"
 NC Tarboro WAZO 104.3 still off, "but 103.7
 WHITE Williamston NC was on 104.3 once"



3905 Spruce Street
 Philadelphia, PA 19104-6015

PA Philadelphia WXPN *88.5, still on 88.9
 PA Pittsburgh area all WFRJ *88.9 Johnstown



Speaking to you
 in psalms and hymns and
 spiritual songs,
 we invite you to listen
 to Christ-centered programming
 Broadcasting at 88.9 FM

translators off the air, and seeking new
 frequencies

TX Bay City KMKS 102.5, still on 92.1
 TX Beaumont KTXB *89.7
 TX Cameron KCRM 103.9, also missing from
 103.1; must be in process of moving to 103.9
 UT Blanding KSMH 92.1
 UT Monticello K285AN 104.9 has been off "for
 some time. KRSJ does mention the translator
 in their daily translator IDs."

Deletions

CA Cupertino K296BZ 107.1, once licensed,
 now off the air; had been designed to serve
 San Jose from Loma Prieta
 CA Kingsley Cove K205AJ *88.9, replaced by
 KHAP *89.1 Chico; K205AJ was designed to
 serve Chico [90.1 Bakersfield"
 CA Poso K210AI *89.9, "due to KTQX/
 CA San Pedro KFOX-1 93.5. "No sign of this
 one. KNTF 93.5 Ontario is dominate all over
 San Pedro."
 CT Fairfield W220AB *91.9 and
 CT Shelton W296AL *107.1, both because of
 the strength of WFRS *88.9 Smithtown NY
 ID Caldwell *89.5 erroneously reported as
 granted by FCC to Gem State Adventist
 Academy (high school)
 IN Washington W240AG 95.9 "does not exist.
 WZRO is in Columbia City with 3 kw and not
 on the air. No translators active in Washing-
 ton."
 MN Tracy KARL 105.1, "denied request to
 replace expired permit."
 MO Columbia K276DI 103.1, "inactive"
 NE Omaha *88.1 grant to Family Stations, Inc.
 rescinded, but Family Stations has filed a
 petition for reconsideration with the FCC
 NM Adobe Community K215AS *90.9
 NM Crownpoint-Tohatchi K220AK *91.9
 NM Farmington K276CI *103.1
 NM Naschiti K212AE *90.3
 NM Shiprock K220AX *91.9
 NM Thoreau K216AH *91.1
 NY Clarence W221AN *92.1 not on air, and
 missing from Family Radio's list of FM
 translators
 NY Hurley W219AQ *91.7
 UT Aneth K220AX *91.9. Regarding this and
 other relayers of KTDB *89.7 Ramah NM, "it
 appears to be a lack of funding which has
 prevented their construction."
 PQ Havre-St. Pierre CKO-2- 100.1

FMistakes, FM Atlas-12

GA Hinesville WXLQ 92.1, add \$, p. 106
 NM Grants KLLT 103.7, not 95.3, p. 116, is 91
 km [not "Warm 103.3," p. 173
 NY Rochester WRMM 101.3 is Warm 101.3,/
 NY Southampton WPBX *91.3 add to p. 12 map
 OR Newport 102.5 calls are KYQT, not KQYT,
 p. 120
 PA Schnecksville WXLV *90.3 add \$, p. 147
 SC Marion calls are WWP, not WKXS, p. 121
 NF Norris Point CFBB *93.7 add \$, p. 156
 ON Ottawa CBO-FM *103.3 74 km coverage
 missing, p. 129

SCServices, 57, 67 and 92 kHz
 Symbols are as in the "FM Atlas"

AR Barling KPHN 94.5 no 92 kHz Radair
 CA Pasadena KPCC *89.3 67 kHz ethnic is for
 the Iranian community. "They were on the
 satellite, but it got expensive for people to
 spend \$700 to get the equipment to hear the
 program. SCA is much better for them."
 KPCC's 92 kHz SCS is also ethnic.
 CO Denver KUVU *89.3 tX, 67 kHz
 KCFR *90.1 tX, 67. Had tT for the blind "up
 to several years ago... No SCA station is now
 providing this service."
 KSYY 95.7 tC, 67, relay of local AM station
 KHOW 630; had tQ (physician's news)
 KVOD 99.5 no SCS; had tM, 67
 KOSI 101.1 tM, 67, taking over after KVOD
 stopped it [to tM, 67)
 CO Durango KRSJ 100.5 tR, 92 (in addition/
 CO Fort Collins KTCL 93.3 tR, foreground
 music, 67 (not tM)
 CO Greeley KDHT 92.5 tX, 67, instead of music
 CO Morrison KWBI *91.1 no SCS; had tY, 67
 CT Hartford WTIC-FM 96.5 no 67, but tY, 92,
 Multicomm-type data
 FL Plantation Key (Tavernier) WCTH 100.3 tX,
 67, Brown Boveri utilities load management,
 1200 baud, on air all the time

ME Brewer WQCB 106.5 tX, 92, Brown Boveri utilities load management

MD Salisbury WSCL *89.3 tX, 67, Brown Boveri

MA Medford-Boston WXKS-FM 107.9 tC, relay of WXKS AM 1430 on 67 kHz, replacing PRN; no 92 SCS (had tE). "I'm really sorry to see PRN vanish. They were... of tremendous value and interest to ordinary medical consumers as well as professionals. . . I can confirm the network's complaint that they had to harass the affiliates to get them to keep the modulation level decent. WTIC-FM, for one, used to bury the signal at what seemed to be about 2% of the carrier envelope, making it very difficult to dig PRN out of the background noise. Often it would disappear completely into the noise for a week or more at a time. WXKS-FM did a much better job."

MN Minneapolis WLOL 99.5 still with tM, 67. "Was listening to Muzak the other day over WLOL and it brought back memories of, during the late 1950s, they would increase modulation level of main carrier about 5 or 6 p.m. when they started their separate FM programming. While duplicating AM during the day, the level was down so as not to cause interference/crosstalk to the SCA. Remember?" Evening main channel format was classical, preceded by AM-FM rock simulcast in those pre-stereo days. A follow-up to last month's expose on Muzak appeared in the January *Smithsonian*, pp. 70-82. It mentions how the Muzak library is updated, with current rock selections often re-recorded into Muzak versions. Christopher Case, 34, is at the helm, and personally selects the music, signing contracts with composers. However, Bruce Springsteen, Boz Scaggs and some other prominent composers would rather shun the extra money and refuse to let Muzak license their songs.

MN Waite Park-St. Cloud KXSS-FM 103.7 Muzak, 67 kHz [speed data"]

MO Bolivar KGBX 105.9 tU, 67, "slow/

NM Farmington KNMI *88.9 tM, 92 kHz (no 67); KNMI's 92 is a "rebroadcast of KRJS Durango's 67 kHz SCS"

NC Burlington WZZU 93.9 tX, 92, Brown Boveri utilities load management (has tX, 67). Correct facilities to read 387 d-a (100000 h.v). "Your Atlas is normally right on the button for telling us how far to expect the utilities control SCA to work for us, but the coverage was not right for WZZU. We figure SCA works at 125% of the distance you show for the station coverages, and we confirm this with a Potomac Instruments field strength meter." [92, Brown Boveri

NC Williamston (Greenville) WHITE 103.7 tX, / TX Odessa KKKK 99.1 no SCS (had Radair)

TX San Antonio KSTX *89.1 tU, 67 KAJA 97.3 tC (WOAI 1200 AM relaying), 67, from music [Boveri

VA Onley WESR-FM 103.3 tX, 67, Brown/

MEXICO. The SCT is about to make a decree about SCS usage, which might provide for use of 67 and 92 kHz channels, as in the United States and Canada. All SCAs there are old stations, grandfathered in in the late '60s to early '70s. Background music and similar services are carried on 230 mhz in the VHF band. AEI, a background music distributor based in Seattle, is working with the Mexican government on this SCA project. "Mexico has no Class D (10 watt) FM stations and no known FM translators, but this could change with a new treaty with the United States."

EUROPE. European Broadcasting Union Chief Engineer Dietmar Kopitz called from Zurich and reports that all SCServices there are at 57 kHz, with data only (no talk or music). Their efforts to get the RDS (Blaupunkt-ARI) system in the U.S.A. have met with failure, despite the efforts of Jerry Le Bow, Technical Marketing Consultants, Valhalla NY. "Only he can promote it in the U.S.A. The NAB won't recommend the RDS system in the

U.S.A., as they see it as promoting FM listening in the car over AM." The FM band is "too occupied here in Europe to support SCAs at 67 kHz, but future improvements in the designs of receivers may make 67 kHz with talk or music possible. We have looked into allowing stations to provide ethnic programming on SCA and so far it has not been feasible, even to the extent of looking at 76 kHz for digital transmission on a limited 5-kHz bandwidth."

RADAIR system of weather map reporting for pilots via SCS discontinued. "The Radair deal I wrote you about last year has gone bye bye. It was a good concept, but I guess it must have been undercapitalized. Insofar as the Fort Smith station was concerned, somebody finally showed up to pick up the converters and monitor, after about six months of nobody seeming to be in charge or caring whether the service was in operation or not." See October, 1987 (p. 2, col. 3) for a picture report on Radair.

SCA PAGERS—This is the year the American Telephone & Electronics Corp.-Hattori Seiko Co. wristwatch pager is slated to go on sale at about \$200, powered by a battery said to last a year. To employ 57-kHz SCS in major markets, linked by satellite and searching the band for the desired message/station. Looks like the bugs are finally out on this one—a design which will compete with Motorola's wristwatch pager, using existing radio common carrier transmitters instead of SCA. Batteries in the Motorola system expected to last only 40 days and the pager itself to cost about \$400. Neither price includes monthly rental charges. Each will give a readout, such as printing a telephone number to call, preceded by a beep. Only three percent of the population has pagers, but it is already a \$2 billion industry from its 8.5 million subscribers.

ASEA Brown Boveri, the people who have pioneered FM/SCA (and earlier AM SCA) for utilities load control, came through with the complete list of their current stations. All have the SCA on fulltime at 1200 baud, coded tX in the FM Atlas listings. The firm has moved from Minneapolis to 2728 Capitol Blvd., Raleigh NC 27611, spokesman Rajal Kaull reports. Before leaving Minneapolis, it tested on the 67 kHz of KTIS-FM *98.5, which has since been discontinued. Besides the stations listed above, Brown Boveri is on the 67 kHz of WJBR-FM 99.5 Wilmington DE, KDMG 103.3 Pella-Des Moines IA, CING 107.9 Burlington ON, and believed to still be on KIIQ-FM 104.5 Reno NV. "Next year we will be coming to the MA-RI area, with five or six stations to be added." (See also "AM Happenings," WCCO Minneapolis.)

NonIDs, Not Just Slogans

AZ Coolidge KQEZ 103.9 no nonID, no "Play 104" ["Quiet But Powerful"]

AZ Globe KGRX 100.3 The Wave (from/

AZ Green Valley KQYT 92.1 The Quiet FM

AZ Marana KXMG 98.3 Sonido Magico

AZ Phoenix KJZZ *91.5 K-Jazz

AZ Tucson KIIIM-FM 99.5 Kim

CA Los Angeles KKBT 92.3 The Beat

FL Rock Harbor WKLK 102.1 K-Country 102.1

ID Boise-Meridian KIYS 92.3 Power-92 (finding "92 Kiss FM" too unsanitary)

IL Lawrenceville WAKO-FM 103.1 Wake-O Radio [still r, \$, on 24 hours

IN Bluffton WNCY 100.1 Y-100 (not strict), / IN Logootee WKMD 94.3 Real Rock 94.3 KMD

IN Sullivan WNDI-FM 95.3 I-95, still mono

IN Vincennes WFML 96.7 Hot Country 96.7

IA Fairfield KIIK 95.9 still K-96. "Who are they trying to fool? I doubt they'll fool people into thinking they're the old KIIK 103.7 Davenport." [The Cajun, still k

LA Hammond-Baton Rouge WKJN-FM 103.3/

LA Lafayette KTDY 99.9 no nonID, saying, "Acadiana's 99.9 KTDY," from "Magic 99.9" [97.7 B-97

LA Marksville KAPB-FM/ [still r (CHR)

LA Monroe KNOE-FM 101.9 All Hits FM 102, / LA Natchitoches KZBL 95.9 no nonID (from "Z-96") [(from "Bay Country")]

MD Grasonville WBEY 103.1 Country 103/

MD Ocean City WKHI 99.9 Power 99.9

MA Worcester WAAF 107.3 Pirate Radio (ID with Boston?) [(from "Rock 104")]

MN St. Louis Park KJJO 104.1 104 FM/

MS Biloxi-Gulfport-Pascagoula WQID 93.7 93.7-QID (from "94 QID")

MS Holly Springs WKRA-FM 92.7 K-93 (from "K-92"), still k, \$ [-Country"]

MS Natchez WQNZ 95.1 no nonID (was "95/

NY New York WNSR 105.1 Mix 105 (not strict), from "NY's Soft Rock"

OH Lima WTGN 97.7 Inspiration 97

OK Tulsa KTFX 103.3 K Fox 103 ("Super Fox" deprived of her Geritol) ["Stereo 100"]

PA Lebanon WUFM 100.1 Bright 100 (from/

PA Pittsburgh WHTX 96.1 Gold-96 "no call, format or personal changes though"

TN Savannah WORM-FM 101.7 The Worm (from "FM 102") [(from "107.1 The Star")]

TX Bastrop-Austin KGSR 107.1 Star 107/

TX Brownwood KOXE 101.5 no nonID

TX College Station-Bryan KTSR 92.1 no nonID, saying call letters with "Star 92"

TX Copperas Cove KOOV 103.1 K Double OV, Country 103 [try 103.3 (from "K-Gulf")]

TX Freeport-Lake Jackson KGLF 103.3 Coun-/

TX Huntsville KHUN 101.7 FM-102, still r (CHR) [uses calls"]

TX Lufkin KUEZ 99.3 no nonID, "just/

TX Merkel-Abilene KFQX 102.7 Fox 102 (from "Fox 102.7")

TX Robstown KMIQ 105.1 Magic 105, bilingual

TX San Antonio KQXT 101.9 KQ-102, still b

TX Tyler KROZ 92.1 K-Rose (not strict), still k

TX Victoria KVIC 95.1 no nonID, saying "95-KVIC, Victoria's Official Radio Station"

ON Thunder Bay CJSD 94.3 back to 94-FM (from "Hot FM")

Multi-City IDs in Use

LA Alexandria KZMZ 96.9 no dual city ID with Pineville [Lake Charles, still g

LA Crowley KAJN 102.9 with Lafayette-/

LA Shreveport KRMD-FM 101.1 with Bossier City and variable third city

MD Williamsport WCRH *90.5 no ID with Hagerstown

MI Portage-Kalamazoo WRKR 107.7 now IDs as Portage-Battle Creek-Kalamazoo, still r, \$

MN Grand Rapids KAXE *91.7 with Deer River-Floodwood [Wheeling WV

OH Steubenville WRKY 103.5 with/

PA Avis WHOE 99.9 with Beech Creek-Lock Haven

PA Canton WHGL-FM 100.3 heard IDing as Troy-Canton, which is not legal for the FM, but is for the AM, which is licensed Troy PA

PA Lancaster WLAN-FM 96.9 no nonID (deleting York-Harrisburg)

PA York WQXA 105.7 no multi-city ID

TX Bridgeport KWCS 96.7 adds Decatur, "The Sounds of Texas" (from "Wise Country Stereo") ["Majic 102"]

TX Houston KMJQ 102.1 with Galveston,/

TX McKinney KSSA-FM 95.3 no ID with Dallas (it is their AM which IDs with Dallas), "Radio Variedades," still monophonic

TX Orange-Beaumont-Port Arthur KIOC 106.1 adds Lake Charles LA

TX Waco KNFO 95.5 with Temple-Belton-Killeen

TX Winnsboro KWNS 104.9 with Quitman-Mineola-Sulphur Springs

AM Happenings Most Likely Caused by FM

CA Santa Barbara KBBQ 990 silent

KESP 1290 silent

CO Vail KSPN 610 back on with a "continuous

tape loop of tourist information," like a 530 or 1610 kHz T1Station [returned Feb. 5
FL Lehigh Acres WWCL 1440 silent, but to have/
GA Atlanta WSB AM 750 in fifth place, but the
only AM station in the top 10 in the Arbitron
ratings. WVEE is first with 13.1, then WPCB 8.7,
WSB-FM 8.5, WAPW 8.1 and WSB AM 7.6.
Speculation that the WYAY-WYAI combination,
with stations to the NE and SW programming
jointly and both serving Atlanta, could result in a
larger Total Service Area, with more counties
possibly to be added to the Atlanta TSA radio
market.

HI Pearl City KIPO 1380 had been silent (calls
were KLN1), to return as noncommercial and
simulcast KIPO-FM *89.3 Honolulu
MA Boston WEEI 590 no longer has live weather
updates with WCVB channel 5 meteorologists.
Also, "about a year ago their on-the-scene news
reporter took a job with Channel 5. Could these
be cost-cutting measures because of declining
ratings?"

MA Worcester WORC 1310 changed from
country to oldies. "Back in 1981, a good friend
of mine (he was 16 years old) was a DJ there and
the station was in financial trouble, as they were
looking for a buyer. . . Its format then was rock,
having changed to country only a few years ago."
MN Minneapolis WCCO 830 tried AM SCA with
Brown Boveri utilities load control system, but
discontinued it when it embraced AM stereo.
"AM SCA did not work. It deprived the station
of broadcasting in stereo and it had to be a clear
channel station with wide outreach to be of
value. And all the clear channel stations converted
to AM stereo." Was also on WOWO 1190 Fort
Wayne IN.

WAYL 980 dump easy-listening for simulcasting
of KLXX 93.7 FM and rock. Easy-listening fans
did not make the move from FM (when
WAYL-FM dropped the format and became
KLXX). Recent ratings gave WAYL AM only a
1.4 share. KLXX was not much better, dropping
from a 6.8 a year ago to a 2.8 in the fall Arbitron.
WCCO AM continues to be the market leader,
with an 18.4.

NM Santa Fe KVSF 1260 AM now dark. "This
AM once commanded the number one market
share in Santa Fe as recently as 1980."
NY New York WNEW AM 1130 Westwood One
selling its interest for \$15.3 million to Command
Communications. Westwood One will then buy
KJQY 103.7 San Diego from Command and
Group W. It is paying \$15 million in cash to
Westinghouse and \$4 million worth of stock to
Command to get KJQY. Westwood One also
owns WYNY 103.5 New York and QQLZ 100.3
Los Angeles.

NY Rochester WPXY AM 1280 ceases simulcasting
with FM 97.9, going back to big-bands. While
simulcasting, it "usually drew anywhere from 0.5
to 1.2 in the ratings, as opposed to 12s for the
FM." The AM will be adding baseball, taking the
feed away from WBBF AM, which used to send
its signal to WGMC Greece and WBSU Brockport,
while WBER FM received hockey games off air in
low fidelity from WBBF AM.

CANADA. "CBC is eliminating AMs, where they
have simulcasted mono service also on FM in the
same city. CBC AMs in Halifax NS and Saint
John NB should already be gone, according to
announcements I heard last summer."
After spending \$50,000 on the "ultimate radio,"
the NAB has yet to produce a unit without bugs,
much less finding a manufacturer to do the radios
in quantity. It was to feature continuous tuning,
AM stereo-FM stereo and FMX. The AM stereo
section would accept either the Kahn or C-Quam
system. However, NAB's still hoping an agreement
to manufacture the radio could come some time
this year.

"I wonder if it's time to change the name of 'AM
Happenings Most Likely Caused by FM' to
'Radio Happenings Most Likely Caused by Too
Much Competition' muses Bart Cronin of Ed-
monds WA. "With some small FM's going off due
to an over-abundance of radio and changes such

as the loss of classical music in Los Angeles since
the new owners couldn't justify the format after
paying an arm and a leg for KFAC, the column
may want to address such things since that's what
is causing the churn and lack of variety in my
opinion. Keep churning it out!" [I don't plan to
change this column, but in various places in this
newsletter you can read about broadcasters'
responses to competition in the marketplace.
Broadcasters, too, can read and learn what their
colleagues in other markets are doing, particularly
in programming and in on-air promotion, such as
employing nonLDs or multi-city identifications—
b.e.]

FM Rulemakings Proposed

First date below is deadline for filing comments
at the FCC; second date is for replies. Stations
affected, if any, are listed before the dates.

AZ Bisbee 92.3A from 92.1A, KZMK, "show
cause, why not?" [12, 27
AZ Green Valley 92.1C2 for A, KQYT, Feb./
CA Sutter Creek 107.5A from 103.1A, with
South Lake Tahoe [-FM counterproposal
CA South Lake Tahoe 102.9C from C2, KTHO/
FL Key Colony Beach 105.5C2 from A, WKKB,
Mar. 5, 20 [-FM, Mar. 1, 16
FL Panama City 100.1C3 from A, WPCF-/
FL Summerland Key 102.5C2 from 102.9A,
WPIK, Mar. 1, 16
FL Tavernier 96.9A, Mar. 1, 16
GA Eatonton 100.3A, Feb. 12, 27
GA Millen 94.9C3 from A, WMKO, Feb. 12, 27
HI Kekaha 103.3C1 from A, KAUI, Feb. 12, 27
IL Metropolis 93.9C3 from 98.3A, WRIK-FM
counterproposal [Brookston IN, Mar. 1, 16
IN Monticello WKJM 95.3 seeks move to/
IN Seelyville 95.9A, Mar. 1, 16
IA Cedar Falls 98.5C3, Feb. 23, Mar. 12
IA Clarinda 102.9C2 from 106.1C2, KMA-FM,
show cause, why not?
IA Dyersville 97.3A from 99.3A, KDST, with
Dodgeville WI [12, 27
KS Hutchinson 97.1C3 from A, KOHK, Feb./
KS Wichita 94.1A, counterproposal
KY Wichita WYMC-FM 95.9C3 move to
Clinton KY, counterproposal, or change from
95.9A to 102.1A with Metropolis IL
MD Ocean City 106.9A, Feb. 12, 27
MI Big Rapids WAAQ 102.3C3 for A, Feb. 12, 27
MI Whithall 97.5A from 102.5A, Feb. 12, 27
MS Wiggins 97.9C2 from A, new CP, Feb. 20,
Mar. 7
MO Maryville 97.1C3 from 99.3A, with Omaha;
or 99.3C3 from A, Feb. 23, Mar. 12
MO St. James 99.7C3 from 99.5A, KZYQ, Feb.
12, 27
MT Helena *103.1A, Feb. 12, 27
NE Fairbury 99.5C1 from 99.3C1, KUTT, show
cause, why not? [23, Mar. 12
NE Omaha 105.9C2 from A, new CP, Feb./
NE Plattsburgh 106.9A from 106.5A, Feb. 23,
Mar. 12
NC Harrisburg 92.7A, Feb. 23, Mar. 12
NC Wanchese 95.3C3 from A, WOBR-FM, Feb.
12, 27 [-FM, Feb. 12, 27
OH Archbold 96.1A from 95.9A, WMTR/
OH Piketon 100.1A, Feb. 23, Mar. 12
OH Van Wert WBYS 98.9 seeks move to
Monroeville IN, Feb. 12, 27
OH Zanesville WCVZ *92.7 seeks move to South
Zanesville OH, Feb. 12, 27
OR Cottage Grove 105.5C1, Feb. 23, Mar. 12
SD Sumter 102.7A from 102.5A, Feb. 20, Mar. 7
SC Sumter WWDM 101.3 seeks move to Columbia
SC, Feb. 23, Mar. 12
TN Camden 98.3C3 for A, WRJB (with Metropol-
is IL) [TN, Feb. 26, Mar. 13
TN Celina 93.7A seeks move to Watertown/
TN Dyer 93.9A, counterproposal
TX Franklin 101.9A from 98.9A, Feb. 20, Mar. 7
TX Friona 94.7C2 from 95.1A, KGRW, Feb. 26,
Mar. 13 [26, Mar. 13
TX Kerrville 92.3C2 from 92.1A, KITE, Feb./
TX Lampasas 98.9C1 from 99.1C1, KLTD, Feb.
20, Mar. 7
VT Bridport 93.7A, Feb. 26, Mar. 13

VT Vergennes 96.7A, Feb. 26, Mar. 13
VA Chase City 99.3C3 from 99.9A, new CP, Feb.
26, Mar. 13 [VA, Feb. 26, Mar. 13
VA Orange WVJZ 96.7 move to Gordonsville/
WI Dodgeville 99.3B1 for A, WDMP-FM, counter-
proposal [Feb. 26, Mar. 13
WI Hayward 92.3C3 from 92.1A, WRLS,
WI La Crosse 106.3C3 from 104.9A, WLXR,
Feb. 20, Mar. 7

FM Rulemakings Finalized

Dates are when FCC filing windows are open
AL Fort Rucker 100.5A from 93.1A
AL Geneva WRJM 93.7C1 from C2
AZ Casa Grande 105.5C2 from A, KFAS-FM
AZ Claypool 106.1A, Feb. 27-Mar. 29
AZ Kearny 105.3C2 for 105.1A, KCDX
GA Blakely 93.1A from 93.5A, WBBK-FM
KS Beloit 105.5C2 from A, KVSF-FM
KS Hiawatha 103.9C2 from A, KNZA
KS Manhattan 101.5C from 101.7A, KMKF
KS Ogden 103.5A from 103.9A, KQLA
KY Benton WCBL-FM 99.1A from 102.3A
KY Calvert City 95.7A, Feb. 6-Mar. 8
KY Campbellsville WCKQ 104.1A from 103.9A
KY Cave City WHHT 103.7A from 106.7A
KY Smiths Grove WBLG 107.1C2 from A
MN Cloquet 96.5A, Feb. 13-Mar. 15
TN Dickson WQZQ 102.5C1 from 102.5C2
TX Plainview KKYN-FM 103.9C1 from A
WA Aberdeen dismissed KDUX's bid to change
104.7C2 to C

Digital Audio Broadcasting To Displace FM?

You've heard of DAT, digital audio
tape, with its promise of flawless audio
reproduction and recording ability for the
consumer. Now comes DAB, digital audio
broadcasting. DAB is to be given a
closed-circuit demonstration at the NAB
convention in Atlanta, March 31 to April
3. Dr. John Abel of the NAB heard a
special demonstration of DAB in Geneva,
Switzerland, and here's what he learned:

- DAB likely is a bigger technological development than FM.

- DAB will provide noticeably higher quality than FM stereo (about 22 kHz audio response compared to 15 kHz).

- DAB has no multipath interference.

- DAB requires incredibly low power to broadcast; at 100 mW, the highest power required would be about 100 watts.

- DAB is more "spectrum-efficient" than regular FM. Yet DAB would still need new spectrum because it is incompatible with current analog FM broadcasting.

- All stereo DAB stations in a market would use one parent tower and transmit at the same power.

Research on DAB in the U.S. has been very limited, and then on a different basis than European DAB. An ongoing experiment using WGBH (FM) and WGBX (TV) Boston has been extended by the FCC through mid-1990. Three companies have begun offering digital radio signals on cable. This high-quality, commercial-free music is expected to be on cable systems reaching 10 percent of U.S. homes within three years. The American consumer is almost always "attracted to (and will pay

more for) audio systems of the most superior technical quality at any time," says the NAB. "The current threat to conventional broadcast radio stations comes from at least four main venues: CDs, DATs, cable audio, and direct broadcast satellite. Satellites—unlike digital cable audio—can offer digital audio services wherever the customer is located."

Plans for testing a DAB-type service are underway for this year in Canada, with the prospect that the new service could displace present AM and FM bands. One TV channel, for example, could multiplex 16 radio signals all at once—16 hundred-watters, all covering a major market.

Radio Bill Has Potentially Fatal FM Translator, FM-AM Stereo Hitches

Rep. Matt Rinaldo (R-NJ), sponsor of a bill designed for AM technical improvements (HR 2714), said broadcasters must move fast and early if it is to pass Congress this year. The bill is not assured passage, however, with two areas of main concern to the politicians: 1) the Electronics Industries Association strongly opposes a provision requiring manufacturers to provide AM stereo on all FM stereo radios; 2) FM translator operators oppose translator abuse provisions. Indeed, there is no evidence a combined AM stereo-FM stereo radio with continuous tuning can even be produced, as the NAB hopes. And FM translator proponents, principally John LaTour of the American FM Translator Association, are quite concerned, even to the extent of sending an editorial to all FM translator owners urging writing congresspersons and the FCC, to sell them on the virtues of FM translators. Dues in the FM translator association are \$100; for more information call LaTour at (800) 544-6969.

Specific language in the bill dealing with FM translators was sent by Doyle Wenzel, Aberdeen WA, from whom I bought the equipment used at W280CT Hermantown MN. "Sec. 325 (a) of the Communications Act of 1934 is amended by adding at the end the following: The Commission's rules relating to radio stations rebroadcasting the signals of other radio broadcast stations shall not permit a translator station to rebroadcast such signals outside the local service area (as defined by the Commission) within which the radio broadcast station originating such programming is located, unless the area in which the translator station operates is unserved by any radio broadcast station originating programming." Wenzel says the bill has been referred to the House Committee on Energy and Commerce, and wonders what advice I'd have? "Being at the end of the Earth, the only information we get is from what you print in your newsletter. . . On face value, this bill if passed would wipe us and several other Christian translators right off the air!" My advice would be to look at LaTour's editorial and decide from there whether to petition the FCC or your representative.

I just talked to LaTour, who said the FM

Canada to Get DAB Before USA?

branch of the FCC did a study and found that there was no abuse by translators, that the NAB's concerns were "unfounded." Heading up the study was Alan Snider, chief, auxiliary services, FCC; (202) 634-6307. In his fast-talking, persuasive way, LaTour went on to say that FM translators provide variety, and are able to fill in with formats like classical, beautiful music, Christian, in areas lacking such stations. His own market, Fayetteville AR, lost its easy listening station. Even with formats duplicated by other stations, translators provide for more programming variety and freedom. If a format brought in by translators is subsequently embraced by a full-power station, the audience benefits. Most listeners will go to the full-power station, but the translator will be there for variety in that format. Translators should be granted low-power (program origination) privileges, but their signals should not interfere with other broadcasters. The "NAB is just trying to kill the service by placing too many restrictions on translators." LaTour feels chances that the bill will pass are not the best, since it doesn't have many co-sponsors. And he thinks it could be re-written to get the offensive-to-translator-interests parts out of it. "Encourage your readers to call in and get the editorial," he advised.

FM Snares 77% of Radio Listening, Up 1% In A Year

RADAR Fall '89 report shows FM continuing its upward trend, but at a slower rate than before. Between 1982 and 1984, the proportion of FM listening increased at three percent a year, from 1985 to 1988 it was about two percent a year, and the latest places FM's gain over AM at one percent. Statistical Research, Inc. points out that "there has been an average gain of about 2.5 share points per year since 1979, when FM share was 52 percent."

Other Small-Print Happenings and FM Industry News

KSJO 92.3 San Jose CA "shock jock" supposedly fired four months before the FCC targeted station for possible violation of federal indecency statute. Perry Stone was suspended Mar. 14 and fired a week later, because of "his unwillingness to accept direction in matters of program taste and judgment." The NAB admonishes: "Given the lack of specificity in the law and the FCC's still-evolving regulatory approach, the safest way to avoid potential problems with indecency is to refrain from broadcasting any material your station has any doubts about at all."

WXPR *91.7 Rhinelander and WORT *89.9 Madison WI were embroiled in a dispute with the WI Educational Communications Board over \$30,000 awarded them in state money. The dispute was settled when the stations agreed to air underwriting credits for the state's public television (but not public radio) stations. Still at odds is Dick Brooks, manager of WOJB *89.9 Hayward WI, who calls the ECB "arrogant." He plans to go to the legislature for an interpretation of how the money should be distributed.

Low power FM at McDonald's? Translator operator Chuck Crisler even finds interference at the McDonald's restaurant in Fayetteville. They have a signal at 105.3 from their drive up window. "You can hear people ordering Big Macs for approximately a 1 1/2 km radius. My opinion is

that it was interference problems that killed AM radio, and it will eventually be computer-buzz, garage door openers, wireless intercoms, and the like which kills a lot of other services that used to be reliable. I don't think it will ever be a threat to the 100 kw FMs, but it will do in a lot of little guys with small sticks."

Another threat to the electromagnetic environment is real estate radio. Thunder Bay ON has VOXX, a compact portable radio transmitter set up on 88.9 mhz at a house which is for sale. By listening to the pitch in front of a house, the prospect is better qualified by the time he or she calls the realtor. "I heard this in Thunder Bay on 88.9 by accident. Then it was in the paper. Very limited range!" Here's an ad from a manufacturer of transmitters like VOXX probably uses.

Broadcast Band FM Radio Transmitters

— Sales & Rentals

<ul style="list-style-type: none"> • OEM approved • 10 watts, crystal controlled • All broadcast frequencies available • Cover up to 500 sq. miles 	<ul style="list-style-type: none"> • High Battery • Antenna included • Made in Canada • Easy hookup
--	---

Also available — 1/2 watt FM Transmitter

<ul style="list-style-type: none"> • Stereo 10 in. mikes • Quiet radio covers 	<ul style="list-style-type: none"> • Congregational announcements • Highway announcements • Outdoor events & festivals
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Radius International

Box 81, 280 Adelaide Street East Toronto, ON M5A 1N0
416/768-4288

Public broadcasters were notified by the NFCB that they have only until Oct. '92 to apply under the Moody, Family and the Public Radio Agreement. This agreement places certain limits and conditions on the available locations and frequencies when using non off-air feeds to translators. After the 1992 date, "that may be the end of available non-commercial frequencies for translators as applications flood the Commission offices."

Cleveland stations held a commercial-free simulcast for a "drug-free" city, from 6 a.m. to 9 a.m. Jan. 3. The program was hosted at Cleveland's Stouffer Tower City Plaza Hotel by John Walsh of Fox Television. "I was impressed that most stations cancelled their morning drive programs for three hours to air the broadcast," writes Bill Fait. "I got up at 8 to see how many stations went along with the plan. The organizers claimed a 17-station simulcast, leaving only five so-called 'we don't care about Cleveland' stations. . . The simulcast was heard here on FM at 107.9, 107.3, 106.5, 105.7, 102.1, 100.7, 99.5, 98.5, 93.1" and several AM stations. "AM stations at 1260 and 1540 were not carrying the program, when I listened, and Cleveland FM stations WCPN, WCLV, WCRF and WOAL also seemed to be not participating in the program. The morning DJ on WNCX 98.5 complained that 'Radio For a Drug-Free Cleveland' caused a loss of listeners. He felt that most WNCX listeners would turn to Akron radio stations to avoid listening to a drug education program. . . WGAR-FM 99.5 pre-empted five minutes of the simulcast at 8:30 for the usual satellite feed of 'Paul Harvey News and Comment'. Power 108 at 107.9 lost their connection with the simulcast at times. . . This simulcast shows how stations can work together when there is an emergency in a community."

Panasonic has introduced a "smart" car radio that can be programmed to the type of music the driver listens to. It supposedly knows 4,500 AM and 4,900 FM stations in 5,100 cities. When traveling, you tell the radio where you are headed about every 100 km and it finds a station with your musical tastes. The CQID90 sells for \$799. The unit even knows station call letters, with technology licensed to Panasonic from PRS Corp., headed by Pierre Schwob. Panasonic promises format updates every two years, with prices expected to head down to \$200 for such a radio. Asks an FM Atlas reader: "Who is supplying their format data?"

Congress has approved an FCC fee hike. These include FM new or major change CP to go from \$1800 up to \$2030. Minor FM changes go from \$500 to \$565. The hearing fee rises from \$6000 to \$6760, and an FM license fee, which was \$100, goes to \$115.

A chance to influence radio spectrum policy? Boot channel 6, and the aeronautical frequencies away from 108 to 115 mhz? Make way for DAB? Maybe, since the National

Telecommunications and Information Administration is seeking comment on a wide variety of issues by Feb. 23. Reply comments due by Mar.

30. Questions asked in the "Comprehensive Policy Review of Use and Management of the Radio Frequency Spectrum," No. 1, Billing Code, 3510-60, include should there be spectrum auctions and spectrum use fees? Should license renewals be extended to 30 or 40 years instead of seven? Can there be more efficient technologies, like narrower bandwidths for stations? Spectrum changes? For a copy of the notice, call Eileen Doherty at (202) 377-1551. Seven copies of comments should be sent to the Office of Policy Analysis and Development, NTIA, U.S. Dept. of Commerce, 14th St. and Constitution Ave., N.W., Room 4725, Washington DC 22030 by the deadline date. One caller suggested here is a way to get an expanded, contiguous FM band by moving channel 6 TV to 137.5-143.5 mhz or 393-399 mhz, and taking aeronautical navigation from 108-115.9 and moving it to 335-345 mhz.

FM then would occupy 82-115 mhz. This is thought to be the only time in the next 20 years when one can have an influence on spectrum allocations in the U.S.

Accused of stock fraud is GAF, licensee of WNCN 104.3 New York. This could result in an FCC hearing to see whether or not GAF is worthy of remaining a station owner. Classical WNCN is worth \$50 to \$60 million on the market.

How would you like to be listening to country or classical music and have a helicopter overhead zap your dial to the area's hit rocker? That's exactly what WZLX 100.7 Boston claims it has in its bag of tricks. It's so new it has no name, and this is no April Fool's story, but if you're within 30 to 40 meters of the zapper and you're listening on a digital radio, you'll, ouch! be suddenly tuned or turned to 100.7. Effectiveness from the air is even greater. At 300 meters, an area of about 200 meters around can be affected. Big Brother isn't the government, it's WZLX, which can magically affect ratings by running the zapper during critical times. It gives people an involuntary sample of what the station offers. "It's not immoral," explained Mike Harrison, station program director. "You can always change your radio right back if you want." Now, broadcasters in other markets, you can go to WZLX and find out if they'll let you spread that wonderful technology to listeners in your areas.

At the very opposite of Digital Audio Broadcasting and the "zapper" technology is this historical item from *Broadcast Technology* magazine. Stuart Brandy talks about how he was involved at CKEY Toronto. "I saw with FM expanded opportunities for broadcasting. I can remember visiting Sarnia around 1952 and walking around the station with Bob Cooke, who was the engineer. He was showing me their recently-rebuilt control room and as we walked past a closet he said, 'Our FM transmitter is in here.' When he opened the door, he cried, 'Oh... we forgot to turn it on again this morning!' This was late afternoon and nobody had called! Lots of people in the past had FM licences and let them go, and years later had to re-apply. At CKEY, we tried all the time to get an FM licence and never did get one. I wish we had. I like the clarity of sound, the purity of sound you get with FM." [The Sarnia station would have been CHOK-FM 97.5-b.e.]

Given fines, and in most cases, short

term renewals by the FCC for EOE violations were: WSVS-FM 104.7 and AM Crewe, WQSF 96.5 Williamsburg both VA, WOWW 107.3 Pensacola FL, WSCQ 100.1 West Columbia and WTCB 106.7 Orangeburg both SC, and WLK 96.9 Statesville NC. Fines ranged from \$10,000 to \$18,000. The FCC has upheld the Review Board's granting of the application of Ro Nita Bernice Hawes-Saunders for a new FM station on 92.1 at West Carrollton OH, and denying the competing application of William M. Piner. Piner had challenged the constitutionality of the gender preference awarded Hawes-Saunders.

FMX—remember that? Well, it's been booted out at WBBM-FM 96.3 Chicago. Seems that about 10 percent of the radios had a problem with "interaction between FMX and subcarriers (SCA) which resulted in noise on inexpensive radios [during 1988 Summer CESHOW]. FMX has been discontinued until the engineering staff could correct the problem." So far, it's been over a year, and FMX has not been brought back. WODS 103.3 Boston was also FMX, and Joe Zayonc in North Uxbridge remembers hearing a low frequency rumbling on that station during its FMX period. My prediction: FMX will quietly die.

Christian stations bring in the bucks during pledge periods. WFCJ 93.7 Miamisburg-Dayton OH reeled in \$139,000, or one third of its annual income from a 30th anniversary appeal. Pledges were up 13 percent over last year. And look above, "Monophonic," to see how 300-watt "K-Lord," "90.1 did in the Riverside-San Bernardino area.

From the classifieds: Wants to buy AM/FM stations, CPs, including dark stations, Doc Polloc, First Bcst. Corp., POB 691, Wilmette IL 60091.

For sale Harris SCA module, 67 kHz for MS15 and MX15 exciter, working, \$200. E. Davison, Multiplax, 135 N. Illinois, Springfield IL 62702; (217) 787-0800.

For sale Collins FM antenna, 3-bay circular polarization, made in 1981, tuned to 97.7. \$2000, Paul S. Lotsof, KAVV, Box 42977, Tucson AZ 85733. Lots of told me he sold a 5 kw FM transmitter to a religious broadcaster in Duluth—probably WNCB 89.1.

Studio engineer needed—maintenance, circuit design. Resume and cover letter to Mark Mohr, WCSG, 1159 E. Beltline NE, Grand Rapids MI 49505.

Wants to buy old Harris/Gates AM-FM stereo tuner with 32 to 75 kHz SCA built in, model FMR-88. Contact Robert Brown, 3911 Myinda Dr., San Jose CA 95132.

FM FORUM

CONTRIBUTIONS FROM READERS

A broadcaster writes: "I enjoy FMedia! but am sick and tired of the tirades about 'lame' radio. [Station] is what you would call a 'lame station'—we play soft adult contemp, sticking with 'safe' titles and there is nothing wrong with this. It appeals to a segment of the audience, and serves a need, primarily to be a station that one can listen to at work without being too obtrusive, and at the same not put one to sleep. We don't apologize for it. If you plan to continue carrying all this 'lame' crap, please cancel my subscription." [I respect this person's opinion, and recognize that the term "lame" is highly subjective, and I would not even think of this subscriber's station that way. Perhaps the word has been overworked, and there won't be as much space devoted to it in the future. I need subscribers! To broadcasters who feel squeamish about this term and other negative comments, allow this newsletter to be your in-house consultant. Those who subscribe to and comment here are among America's most informed broadcasters and listeners, with many of the same people writing both in the roles of broadcasters and critical listeners. As such, they can serve as early warners to others of program weaknesses that may later show up as lower ratings—b.e.]

Supplying some programming commentary is Phil Boersma: "I am a bit uncomfortable with some of the uncompromising chip-on-the-shoulder judgments expressed by some in FMedia! [like the comment under WMJC Indianapolis, p. 2, col. 3, Jan.]. People have their likes and dislikes, but just because I dislike particular songs or genres doesn't make those songs or genres illegitimate. [And] what are the 'worthwhile, exciting, upbeat' songs this person claims have been eliminated? Just because a song was a hit, does that make it 'safe' and therefore 'lame'? ... I used to think all 'b' stations were garbage, until I worked at one for several years. I still don't care for the music, but I know from experience that there are many fine people who really do like 'beautiful music', and they deserve to have a station which programs their kind of music."

Also mentioning the IN comment about drug abuse and rock is Greg Owens: "Wake up, pal! These are the '90s. This isn't the late '60s when just about every rock star was doing drugs. Nowadays, there are several rock stars who have kicked the drug habit (David Crosby of Crosby, Stills and Nash, for example). The record-buying public is not stupid. We don't buy records to support one's bad habits. We buy them to be entertained. ... WMJC isn't really a rock station. It's adult contemporary. I doubt if you'd find any drug addicts there," and he objects to the defection of many AOR stations to "classic rock." It's "not that there is much rock on FM, just too much repetitious rock. It would be nice to return to the days of free-form radio of the '60s. ... Continued success with your newsletter."

A bleak radio programming scenario is painted by Joe White, program director, WXKS-FM 107.9 Medford-Boston MA. "I don't see anything creative coming out of radio in the '90s. It will just be more boring radio in Boston. I see it more complacent and more money-grubbing. People have pretty much sold out the creative side of radio for the money side. I think what we all saw in the '80s is that people could make a lot of big money in radio, and they got afraid. They got to a level and said, 'We like this. Let's be comfortable'. Many of us in radio froze at that level for the last five years." White claims there is no top 40 or CHR formats to break new music and no AOR station in Boston now. "And I just refuse to be oldies radio. I won't sell out. So, in the '90s, you'll see a station like WXKS taking more risks."

Long wave in Europe giving way to FM. That's the word from France, at least. "When the socialists opened up the frequencies in 1981, dozens of FM targeted music stations sprung up. All the long wave stations were in trouble. But we've adapted," said Jacques Lehn of Europe 1. "We've set up our own FM station (Europe 2) and we also now broadcast Europe 1 on FM because we accept that FM is the future."

Jeff Walker of WRAS Atlanta enjoys this rag and my Atlas, and says: "After the FCC made the insane ruling to allow Atlanta's WYAI (104.1) and WYAY (106.7) to be co-owned and simulcast, each station had their worst book in over a year, with a combined share of only 4.6 12+ in Arbitron's summer 1989 report. With a signal that goes from Greenville SC to Columbus GA and beyond, that's pretty bad." By the fall report, there was improvement with the combined figure 5.5. The biggest gain was WPCH 94.9 moving to second from sixth. WVEE 103.3 is the leader.

Also duplicating—WCII *90.3 Elmira and WCII *88.5 Spencer NY, with similar coverages. Paul Cullings said an Ithaca community group filed for 88.5, but Family Life filed on top of it, and got the grant because they were "better financed. ... How the public interest was served here is beyond me!" [Turro's translators

Until next month and a report on/

Bruce F. Ewing

FMedia!

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A NEWSLETTER OF FACT AND OPINION ABOUT
FM RADIO AND RELATED TECHNOLOGIES—
FROM THE PUBLISHERS OF THE
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Volume 4, Number 3—March, 1990

New FM Station, Translator Grants

AK Chignik (correct spelling on FM Atlas-12 map. p. 87) KMXT-1 *100.1; a translator given booster calls, relay of Kodiak station on 100.1. It is a translator because it gets its signal via satellite and land-line, sans stereo. "I made several new station ID and translator ID tapes, adding our newest translator to it." Also included was a copy of a legal notice that Talkeetna Community Radio has filed for *88.5 in that city 130 km north of Anchorage. "I wonder if this will fly with SKSA's K205BB on 88.9 so close by."

AR Fort Smith K205- *88.9 (KNYD 90.5 Broken Arrow OK); K276BI 103.1 Fort Smith changes primary to KVOO-FM 98.5 Tulsa OK [Scott Bcstg.]

CA Merced 107.7 3000 h,v; 100 m, Great/CT Stamford W211AI *90.1 (WSHU 91.1 Fairfield CT). WSHU has complained about interference from WFMU *91.1 East Orange NJ, which by an FCC error is operating at more than allowed power for its height (see separate story). "We can't get into Norwalk, and I had to put a translator in Stamford to get there. [Sixteen km] from its transmitter WFMU is beating us."

ID Caldwell KTSY *89.5 8300 h,v; 807 m, Gem State Adventist Academy, g, reinstatement of permit [m, Northern IL U.]

IL Rockford *90.5 50000 h,v; 112/ [Bcstg.]
KS Downs 94.1 100000 h,v; 302 m, Sound/
KY Flemingsburg WBPk 106.3 1800 h,v; 122 m, \$, rp, on air, despite the FCC cancelling its CP and call letters [91.1 Moorhead]

MN Fergus Falls K209BA *89.7 (KCCM/
MO Joplin K205- *88.9 (KNYD 90.5 Broken Arrow OK); K292DM 106.3 Joplin changes primary to KVOO-FM 98.5 Tulsa OK

NE Omaha KPQB *88.1 1100 h,v; 91 m, to be \$, g, grant reinstated to Family Stations, Inc.
OH Columbus 107.5 1900 h,v; 126 m, H. Perkins
OH Ripley 99.5 3000 h,v; 100 m, J. P. Gray
OK Ada K209- *89.7 (KNYD 90.5 Broken Arrow); K237BG 95.3 Ada changes primary to KVOO-FM 98.5 Tulsa

OK Enid K208- *89.5 (KNYD translator)
OK Guthrie K201- *88.1 (KNYD)

OK McAlester K216- *91.1 (KNYD); K237BF 95.3 McAlester changes to KVOO-FM 98.5 Tulsa [Miami changes to KVOO-FM]

OK Miami K220- *91.9 (KNYD); K261BJ 100.1/
OK Ponca City K210- *89.9 (KNYD); K272AA 102.3 Ponca City changes to KVOO-FM

OK Sallisaw K211- *90.1 (KNYD); K221CK 92.1 Sallisaw changes to KVOO-FM

OK Seminole K215- *90.9 (KNYD)

OK Stillwater K216- *91.1 (KNYD); K276CM 103.1 Stillwater changes to KVOO-FM

PA Berwick 103.5 2100 h,v; 120 m, R. J. Moisey
PA Lewisburg 96.3 3000 h,v; 100 m, Town, Gown & Country Radio

SC Loris 105.9 3000 h,v; 100 m, R. L. Rabon
TN Rockwood 105.7 600 h,v; 222 m, Roane
TX Jefferson 104.5 1700 h,v; 129 m, DLB Bcstg.
VT Killington [Mountain] (13 km E. of Rutland) 105.3 11000 h,v; 270 m, K. Bcstg. Ltd.

VA Emporia 99.1 2000 h,v; 123 m, Stone Bcstg. Corp.

VA Lawrenceville WHFD *91.7 100 watts h,v; 30 m, St. Paul's College

VA Rural Retreat 103.1 3000 h,v; 100 m, Highland Bcstg. [Pasco Fine Arts Radio]

WA Pasco 101.3 3000 h,v; -29 m, c, West/
WI Mishicot WTRW-FM (AM is in Two Rivers) 107.5 3000 h,v; 67 m, WTRW Bcstg.

BC Hazelton CJFW- 101.9 50 watts horizontal, relay of Terrace station, k

BC Mackenzie CIOI- 105.7 50 h, relay of Prince George station, k [h, k[ountry]

BC McLeod Lake CIOI- 92.5 24 watts/
ON Orillia CBCO *105.9 8700 h,v; 152 m, CBC

ON Penetanguishene-Midland CBCM *107.5 15300 h,v; 168 m. See also "Deletions" ON Hillsdale.

PQ Trois-Rivieres grant to Telemedia Communications, but must find a different frequency and power than the 94.7 with 100000 h,v sought

NT Fort Simpson CKNM- 101.9 10 h, relay of Yellowknife station via satellite

NT Hay River CKNM- 101.9 4 watts h, relay, plus 10 hours a week of local programming

Call Letters Assigned

AL Huntsville *90.9 WJAB

AK Fairbanks 102.5 KIAK-FM (KORZ), k

AZ Phoenix 101.5 KAMJ'-FM'' (KAMJ-FM; AM gets new calls) [CP granted '87]

AZ Winslow 95.1 no calls (not KTDX),/ 105.1 KTDX [Unis. oldies

AR Bentonville 98.3 KOLZ (KBCV), o,/

AR Marianna 106.9 KVNZ

CA Central Valley *91.1 K216BW

CA Dinuba 98.9 KJOI (KOJY), still b

CA Hanford 107.5 KZRZ (KCLQ), p, "Z-Rock," back on air [in Barstow]

CA Lenwood 104.9 KIQQ-FM (KIQQ; AM is/
CA Los Angeles 98.7 KXEZ (KJOI), mr, "EZ 98.7." "Rich Capparella, a former KFAC-FM

announcer who made a much-publicized move to KJOI just after the format change last October, was fired. . . He has been replaced by Steve Day in the 5-9 a.m. shift."

101.1 KRTH'-FM'' (KRTH-FM; AM gets new

calls), o, "K Earth 101"

CA Martinez 92.1 KKIS-3

CA Palm Desert *91.7 KYRH

CA Pittsburg 92.1 KKIS-2 [stereo?]

CA Placerville 92.1 KWWN (KHTN), to resume/

CA San Ramon 92.1 KKIS-1 [Bus'']

CA Santa Paula 96.7 KXBS (KXPT), o, "The/

CA Walnut Creek 92.1 KKIS'-FM'' (KKIS-FM; AM in Pittsburg gets new calls)

CO Pagosa Springs *88.3 K202BG

CO Vail 104.7 KSKE-FM (KSKE)

CT Enfield 97.9 WJAI

FL Melbourne 102.3 WGGD'-FM'' (WMMY)

FL Micanopy 97.7 WLCL (WGGG-FM)

FL Port St. Joe 94.5 WJST (WWZR)

FL Tallahassee *88.9 WFSQ

GA Clarkesville 102.9 WMJE (WCHM)

GA Crawford 102.1 WGMG

GA Gordon 107.1 WYGO-FM (WYGO) [oldies

GA Jesup 98.3 WGC0 (WZKS), o, "Coast," Unis./

GA Thomasville 107.1 WSTT-FM (WLOR-FM)

ID Ketchum *91.1 K216BV

ID Sun Valley *88.9 K205BW [in Moline]

IL East Moline 101.3 WLLR-FM (WLLR; AM is/

IN Austin 96.3 WJAA

IN Cedar Lake *88.9 W205AI

IN Seymour 93.7 WZZB (WJCD-FM)

KS Burlington 95.3 KSNP

KS Kansas City 94.1 KFKF'-FM'' (KFKF-FM; AM gets new calls)

KS Larned 106.9 KYSG [AM-FM simulcast

KS Pittsburg 96.9 KKOW-FM (KRKN), k,/

KY Edmonton 99.1 WKNK (WSRG)

KY Elizabethtown *90.9 WPHJ

LA Hammond 103.3 WKJN'-FM'' (WKJN-FM; AM in Baton Rouge gets new calls)

LA Houma 107.5 KCIL (not changing to KIXA)

LA Lake Charles *91.7 KOJO

LA New Orleans 95.7 WMXZ (WQXY), sr, "Mix''

LA Tallulah 104.9 KBYO-FM (KBYO)

MD Baltimore 101.9 WLIF-FM (WLIF)

MS Ellisville 102.5 WJKX (WBSJ)

MSGulfport 102.3 WGMCM-FM (WTKI), o [oldies], "Coast 102"; AM WGMCM 1240 now runs SMN Stardust and IDs as "Star 1240"

MS Wiggins 97.9 WPHF

MO Springfield 98.7 KKHT (KWTO-FM)

NE Alliance *91.1 KTNE-FM

NE McCook 96.1 KICX'-FM'' (KICX-FM; AM gets new calls)

NE South Sioux City 107.1 KYNF (KIKD)

NJ Ocean Acres 98.5 WQNJ

NJ Villas 98.7 WLQE (WVIL)

NM Los Alamos 106.7 KPZA (KBOM)

NM Santa Fe 105.9 KOLT-FM (KNMQ; KOLT AM is in Scottsbluff NE), k, "The Colt"

NY Geneva *89.7 WEOS (WEOS'-FM'')

NY Plattsburgh *91.9 WCFE-FM (WCFE); not

on air yet, but is mentioned in "WCFE Highpoints" magazine, published by Ch. 57 Plattsburgh ["Z-95" and "Gorilla"]

NC Charlotte 95.1 WZZG (WROQ-FM), r, /
 NC Nags Head 92.3 WNHV (WPIR)
 NC Scotland Neck 102.7 WWRN
 OH Marysville 105.7 WNRJ
 OH Nelsonville 107.7 WAIS-FM (WSNV); AM is in Buchtel OH
 OH Shadyside 95.7 WEEL (WBJY)
 OH Toledo 92.5 WVKS (WMHE), r, "Kiss"
 OR North Bend 107.3 KPQA [AC"
 PA Harrisburg 97.3 WXBB (WHP-FM), r, "hot/
 PA Mercer 96.7 WKTJ-FM (WKTJ) ["Magic"
 SC Darlington 105.5 WDAR-FM (WMWG), loses/
 SC Ellerbe 100.3 WMNY-FM (WMNY), \$, s
 SC Pamplico 102.1 WPHO
 SC Ridgeland 104.9 WSHG (WZBZ)
 TN Crossville 102.5 WEGE
 TN East Ridge 107.9 WJRX
 TN Surgoinsville 104.3 WLKW (WOTH)
 TX Belton 106.3 KYZZ (KTQN), r, "Z-106"
 TX Corpus Christi *90.3 KEDT-FM (KKED)
 TX Hereford 103.5 KMAZ
 TX Midland 103.3 KCRS-FM (KWMJ)
 TX Portland 105.5 KISQ (KJKC)
 TX San Angelo 101.9 KCLK
 TX San Antonio 99.5 KISS-FM (KISS; AM is in Terrell Hills) ["104-KZEP"
 104.5 KZEP-FM (KZEP), no nonID, saying/
 TX South Padre Island 95.3 KZSP (KESO)
 TX Stephenville 98.3 KCUB (KVQC)
 TX Texarkana 92.7 K224BZ
 TX Waco 99.9 WACO-FM (KTKS), k, "FM 100."
 Market now has three country stations!
 UT Ogden 101.1 KBER (KDAB), rk, "classic rock, AC, CW" ["Kool"
 UT Spanish Fork 106.5 KQOL (KBER), r, /
 VT Rupert 104.1 WMNV (WRQL)
 VA Christiansburg 100.7 WFNR-FM (WQQX; AM is in Blacksburg)
 VA Dublin *91.5 WPHH
 VA Exmore 106.1 WPHG
 VA Orange 96.7 WJMA-FM (WVJZ)
 WA Ephrata 95.9 KULE-FM (KGDN)
 WV Beckley 99.5 WJLS-FM (WBKW)
 WV Parkersburg 99.1 WHCM (W'MGP), k
 WV Princeton *91.1 W216AK
 WI Bloomer 95.1 WPHQ [oldies
 WI Spencer 92.1 WOSX (WMJA), o, SMin Pure/
 WI Washburn 105.9 WEGZ (WBWA)
 WY Diamondville 105.3 KCGL (KFGL)
 ON Fort Frances *90.5 CBQQ (not CBQT-1)
 ON Maynooth *89.3 CBOD, to replace AM with those calls within a year
 ON Ottawa *89.1 CFUO, calls presently used by a carrier-current station [assumed
 PQ Rouyn-Noranda 99.1 CJMM (not CJMN), \$/
 SK Saskatoon 102.1 CHSN, "due on air this spring"

Facilities Changes Granted

AL Birmingham WENN 107.7 377 m (100000 h,v)
 AZ Cottonwood *91.1 calls are K216BU, relaying KCWM *91.3 Barstow CA; several far-flung KCWM translators have been applied for, such as 88.9 La Salle IL and 88.5 Ames IA, portending possible satellite operation
 CA Colusa KKLK 103.1 (from 96.5). "They have the same facility, but say the open channel

has done wonders for their coverage, as KOIT SF used to zap them as near as 23 km from Colusa." [96.1 530 h,v; 238 m
 CA Morgan Hill KRAC/ [m (3000 h,v)
 CA Santa Ana KWIZ-FM 96.7 63/
 CA Taft KMYX-FM 103.9 6000 h,v; 300 m, "Soft Myx 104" [-6 m
 CO Ouray KURA 105.7 (from 104.9) 3000 h,v; /
 CT Stonington WVVE 102.3 100 m (3000 h,v)
 FL Marathon WMUM 94.3 3100 h,v (49 m), C2, not moving to 94.7
 FL Miami WEDR 99.1 100000 h, 82000 v, 307 m
 IL Chicago WOUI *88.9 17 watts horizontal only, 27 m, off air, but may come on soon—watch for it! [adds vertical
 IL Quincy WQQC *90.3 1000 h,v; 155 m, /
 KS Colby KCLH 97.9 184 m (100000 h,v)
 KS Lawrence KANU *91.5 100000 h,v (201 m)
 KY Berea 106.7 850 h,v; 172 m, grant changed to Beria Bcstg. Co. [101.7 Presque Isle
 ME Madawaska W296AG 107.1 primary is WOZI/
 MD Frederick WJTM *88.1 4000 h,v; 169 m, directional (d-a), on air, mono, g; a petition to deny and counter application had been filed by Hood College
 MA Fitchburg WXLO 104.5 37000 h,v; 172 m; CP for 206 m cancelled [h,v; 142 m
 MN Albert Lea KCPI 94.9 (from 95.3) 50000/
 MN Park Rapids KDKK 97.5 134 m (100000 h,v)
 MN Sartell KKSJ 96.7 (from 96.1) 15500 h,v; 277 m, C2. This will cause disruptions to KSJU *96.5 Collegeville MN and K244AZ *96.7 Sauk Rapids-St. Cloud MN.
 MO Steelville KNSX 93.3 (from 96.7) 7700 h,v; 347 m, C2 [extended time to build
 NV Reno (new) 92.9 45000 h,v; 809 m, given/
 NY Cortland W209AF *89.7 has WCNV-FM 91.3 Syracuse instead of WSKG-FM 89.3 Binghamton, presumably because WSOQ 90.9 Ithaca now covers the area. "Driving through Cortland, all three (89.3, 90.9 and 91.3) came in equally well; I don't see why the translator is needed at all."
 NY Smithtown WFRR *88.9 1500 h, 1400 v; 132 m, d-a
 NC Edenton WBXB 100.1 50000 h,v; 92 m
 NC Erwin WUAW *88.3 63 m (3000 h,v)
 NC Hickory WXRK 95.7 311 m, d-a (100000 h,v)
 OK Sallisaw KKID-FM 95.9 32000 h,v; 190 m, C2 [h,v; 150 m, C2, adds vertical
 SC Brookings KGKG 93.7 (from 94.3) 31000/
 TN Bristol WHCB *91.5 10000 h,v; 709 m
 TX Fort Worth KSCS 96.3 491 m (99000 h,v)
 TX Madisonville KAGG 96.1 40000 h,v; 164 m
 TX San Antonio KSAQ 96.1 182 m (100000 h,v)
 VA Colonial Beach WGRQ 95.9 100 m (3000 h,v) [410 m, C2
 WA Ellensburg KXLE-FM 95.3 1900 h,v; /
 WA Tacoma KRPM-FM 106.1 58000 h,v; 714 m
 WI Janesville WJVL 99.9 168 m (11000 h,v)
 ON Brockville CHXL 103.7 139 m (50000 h,v), licence renewed to 1994, but its request to eliminate 90 minutes of weekly jazz denied
 ON Chatham CBCU *89.9 350 h,v; 70 m
 ON Chatham CKSJ 95.1 171 m (42000 h,v)
 ON Cornwall CKON 97.3 50 watts h,v (height not calculated)
 ON Geraldton CBLG *89.1 134 m (11900 h,v)
 ON Hamilton CKLH 102.9 40000 h,v; 122 m
 ON Hearst CBON-26 *90.3 10500 h,v; 119 m
 ON Kingston CFRC-FM *101.9 3000 h,v; 81 m (still on 91.9)
 ON Orangeville CIDC 103.5 149 m (50000 h,v)
 ON Ottawa CBO-FM *103.3 323 m (84000 h,v)
 ON Parry Sound CKLP 103.3 2800 h,v; 105 m
 ON Pembroke CBCD *96.7 61000 h,v (158 m), to reduce overlap with new CBC FM station in Ottawa, mentioned last month
 ON Toronto CKLN *88.1 250 h,v; 259 m
 ON CIUT *89.5 15000 h,v; 270 m
 ON CJBC-FM *90.3 431 m (3500 h,v); off air to at least Dec. '91
 ON CJEZ 97.3 421 m (4000 h,v)
 ON Wawa CBON-27 *90.7 115 m (890 h)
 ON Windsor CIMX 88.7 100000 h,v; 176 m

ON Woodstock CKDK 102.3 120 m (3500 h,v)
 PQ Longueuil CHAA 103.1 33 m (50 watts h)
 PQ Montreal CIBL 104.5 10 watts h,v; 107 m.
 The move to 101.5 now complicated by Communications Power Corp., which has bought St-Jean-sur-Richelieu station CHRS AM, and is interested in the 101.5 frequency for itself. "The new frequency allocated to St-Jean is 104.1, and they are afraid that it might produce other problems to the air band. So they told their objections to the CRTC, and the whole saga is still in the hands of the Commission!"
 CH Ciudad Juarez XHEM 103.5 20000 h,v (134 m), but possibly 10000 watts with the horizontal and vertical powers being added in its on-air promotion

Stereo, or to be Stereo

CA Central Valley KNNN 99.3, r
 CA Cupertino KKUP *91.5, having installed a microwave link to their Loma Prieta transmitter, now jf, but "very eclectic," with a 30-hour classical marathon at Christmas
 CA Idyllwild KATY 101.3, r
 CA Santa Rosa KBBF *89.1, tU, 67 kHz SCS, "warbling tone"
 CA Twentynine Palms KCDZ 107.7, r
 FL Lakeland WYFO *91.9
 FL Ocala WHIJ *88.1, g [(not strict)
 MI Muskegon WMHG 107.9, s, "Magic 108," /
 NC Gaston WLGQ 97.9
 NC Roanoke Rapids WPGT *90.1
 NC Spindale WNCW *88.7 cj, some talk
 PA Greencastle WKSL 94.3
 PA Renovo WMHU 93.1 k, testing, parallel to WHOE 99.9 Avis
 SC New Ellenton WAJY 102.7 r, "Joy 102.7" (not strict), ID with Aiken
 TX Abilene KHXS 106.3
 TX Granbury KYOT 106.7, m, but still testing. ID with Fort Worth, but not Dallas, with KOOI 106.5 Jacksonville providing better reception in Dallas
 TX Robstown-Corpus Christi KMIQ 105.1
 VA Petersburg WVST *91.3
 PQ Montreal CINQ 102.3, 91 m (50 watts h,v), but applying for an increase. "We broadcast in seven languages as a nonprofit station. We can carry commercials, but advertisers in the two main languages, French and English, are reluctant to advertise on a station like this."

Monophonic

FL Sarasota WKZM 105.5
 GA Folkston WOKF 92.5, g
 IA Des Moines KDMI 97.3, not even resuming stereo weekends when it has more music; delete \$ listing
 NC Rocky Mount WRSV 92.1
 PA Mifflintown WQJU 107.1, remove \$ listing
 WI Kewaunee WAUN 92.7 "is the only regularly-heard station without stereo here"

Format Changes

Formats are the same as in the "FM Atlas"
 AZ Kingman KZZZ 94.5 k, "K Triple Z"
 AR Fort Smith KBBQ 100.9 o, "Q-101"
 AR Greenwood-Fort Smith KZKZ 106.3 o
 AR Sheridan-Little Rock KQLV 102.3 o, "Q-102" [on p. 102, FM Atlas-12)
 CA Barstow KXXZ 95.9 r (not "105.9," as/
 CA Hemet KHYE 105.7 k, \$, ex-105.5 mz
 CA Los Angeles KKBTV 92.3 s. "It's the first time in several years that this city has a full-signal

urban station. The last one was KKGO (105.1), including those years as KBCA. "KKBT had "di smal ratings," dropping from 22nd place as classical KFAC to 36th as KKBT. "I think their research was ill-founded and their arrogance excessive," charged Ellen Harris of the Committee for Classical Music, formed to protest the station's changeover.

- KODJ 93.1 o
- KLXS 97.1 op, "Classic Rock 97.1"
- CA Sacramento KAER 92.5 r, "The New Care"
- CA San Diego KCBQ-FM 105.3 o, "Eagle 105"
- CA San Francisco KYA 93.3 o
- CO Denver KOSI 101.1 mr, from b
- FL Bonita Springs WRXK 96.1 rp
- FL Callaway WBKL 103.5 o, SMN Pure oldies
- FL Goulds WAQI-FM 98.3 mj, "The Breeze," from Spanish
- FL Homestead WXDJ 95.7 Spanish, Latin, "Ritmo noventa y cinco punto siete," a flip-flop of the two, but so far no call letters exchanging. WXDJ's format "was not a great commercial success," while 98.3 "is a poor facility."
- FL Miami Beach WZTA 94.9 op
- IL Chicago WFMT 98.7—probably the only station in the country with a policy against accepting prerecorded commercials, has relented in the face of declining ratings and reduced revenues, after falling to No. 25 (Arbitron), behind classical WNIB 97.1. Twenty-two staffers were let go since January. These included Vice President Torey Malatia and former vice president Larry Rock. The Cook County IL circuit court, meanwhile, dismissed a suit by Friends of WFMT, seeking change in control from public TV WTTW. General manager Alfred Antlitz, who has risen from the ranks of engineering, has reduced staff from 70 to about 45.
- IL Chilloicthe WBZM 94.3 o
- IL Elmwood Park WCKG 105.9 op
- IL Urbana WKIO 103.9 o
- IN Franklin-Indianapolis WPZZ 95.9 g, "Joy-96"
- IN New Haven WJFX 107.9 s, "Foxy 107.9"
- KS Columbus KOCD 98.3 r, \$; had been silent as KSSC-FM
- LA Columbia KCTO-FM 103.1 o
- MI Ann Arbor WAMX 107.1 rj, "lately more pop, less new age"
- MI Detroit WMXD 92.3 sr, "going after some of the large audience of 97.9 WJLB."



- MI WJZZ 105.9 js, "jazz flavored ppsoul and ballads," now "Jazz 106"
- MI Kalamazoo WQLR 106.5 rm, "Q Lite 106.5"
- MI Standish WSTD 96.9 o, Unis. oldies
- MI Hibbing WMFG-FM 106.3 o
- MS Greenwood WGNL 104.3 s
- MS Newton WMYQ 106.3 delete format and stereo; off air, awaiting a new owner/operator, as "present owner is absentee"
- MO Kansas City KCMO-FM 94.9 o, "Oldies 95"
- NY Buffalo WUFX 103.3 op, "The Fox"
- NY Frankfort WKLL 94.9 op
- NY New York WXRK 92.3 op, "92-3 K-Rock"
- WCBS-FM 101.1 o, "CBS-FM 101.1"
- NY Port Henry WMNM 92.1 o, "92-MNM"
- NY Rochester WKLX 98.9 o, "Classic Oldies 99 FM"
- NC Dunn WRCQ 103.5 (having moved from 103.1) r, \$, ID with Fayetteville
- NC Greenville WNCT-FM 107.9 is still b. "It never has been r recently to my knowledge."
- OH Cleveland WMMS 100.7 rp
- OH Newark WCLT-FM 100.3 k, still "T-100"
- OH Toledo WLQR 101.5 mr, "Lite and Easy 101.5 WLQR," similar to WLTi 93.1 Detroit ("Lite FM," from "W-Lite")
- OK Muskogee KKWK 97.1 o, "Quick 97"
- OK Oklahoma City KLTE 101.9 o

- OK Stillwater KSPI-FM 93.7 op
- OR Portland KKSX-FM 97.1 o
- PA Bellwood WALY 103.9 r, AC and CHR mix
- PA Patton WBRX 94.7 no format: "Silent pending sale"
- PA Philadelphia WYSP 94.1 op, "94-1"
- SC Goose Creek WWHT-FM 94.3 s, "94 Jams"
- TN McKinnon WTWL 101.5 k
- TX Anson-Abilene KKHR 98.1 o
- TX Austin KPEZ 102.3 o, "Z-102"
- TX Canyon-Amarillo KPUR-FM 107.1 o
- TX Dallas KZPS 92.5 op
- KLUV 98.7 o [ning "Easy 108"
- TX Edinburg KVLV 107.9 o, "Y-108," can-/
- TX El Paso KOFX 92.3 o, "Fox-92"
- TX Hamilton KCLW-FM 92.1 r, oldies/CHR
- TX Huntington KAQU 101.9 op, "KQ-102"
- TX Kingsville KWVS 97.5 still mj, but mixing in some rock
- TX Lamesa-Midland KIOL 100.3 o. Here's where "the city's two FMs serve different markets. KIOL aims at Midland-Odessa to the SW, and KLSC (104.7) aims at Lubbock to the north."
- TX Lampasas-Austin KLTD 99.1 o
- TX Navasota KNAV 92.5 o, serving Bryan-College Station, "but they choose to remain local to Navasota. Too bad, as most people don't know they are on the air, and they keep on complaining that they don't like oldies KTAM 1240 B/CS's sound."
- TX Odessa-Midland KQIP 96.9 o
- TX Port Lavaca-Victoria KPLV 93.3 op
- TX Rusk KWRW 97.7 o
- TX Seguin KSMG 105.3 o
- TX Whitehouse KISX 107.3 o
- UT Centerville KBCK 105.7 k, SMN Traditional Country; facilities to 281 m (13500 h,v)
- VT Woodstock WMXR 93.9 mr, "Magic 94"
- WA Grand Coulee KEYG-FM 98.5 rm
- WA Seattle KZOK-FM 102.5 o, no nonLD, saying "Classic Rock KZOK"
- WA Tacoma KBSG-FM 97.3 o, from the "50s-'60s," "K-Best" (not strict)
- WV Ravenswood WRZZ 106.1 op
- WI Neenah-Menasha WROE 94.3 rm, "Soft 94.3," with "compressed songs spliced together, cutting off words in mid-sentence sometimes!"

- ON London CFPL-FM 95.9 r, still "FM-96"
 - ON Thunder Bay CJSD 94.3 renewed only to Aug. 31, 1992 and application for a format change denied "as a result of its non-compliance with foreground programming requirements, [but allowed to reduce] its traditional and special interest programming."
 - PQ Trois-Rivières CIGB 102.3 rs, \$, "Radio Mutuel" network, also including CJMM 99.1 Rouyn Noranda [weak to tell if \$]
 - BJ Tijuana XHITC 88.7 lc, c at night; signal too/ Robert Unmacht of the "M Street Journal": "I noticed your comment on oldies. It is a great idea, a split from r to AC, CH, OL would help me a lot... Your m code seems to be close to AC, mr almost always ends up AC. We find very little problem with people calling oldies stations nostalgia or standards. The biggest problem I have is people/stations who use the term 'classic hits' or 'classic rock'. Often 'classic hits' is misreported for oldies 50 percent of the time and for classic rock 50 percent. 'Classic rock' is reported 90 percent of the time for rock and about 10 percent for oldies. Oldies formats in use today:
 - 40s to 80s Adult standards, non-rock (e.g., MOYL and AM-only)
 - 50s to 60s* Original Rock 'n' Roll (e.g., KOOL Gold)
 - 60s to 70s* Post '64 Rock (e.g., The Oldies Channel)
 - 60s to 90s AC and oldies "Mix" formats
 - 60s to 80s Country oldies (i.e., Traditional Country by SMN)
- * most often called "oldies" for radio use. "I haven't been as much in touch since I stopped getting FMedia! but I have not forgotten you..."

On Air (Selected)

- CA Bakersfield KIWI 92.1 still c, but adding some m and j Sat. nites
- CA Palm Springs KPSC *88.5, receiving the KUSC signal via Galaxy II satellite, but retains stereo
- GA Fort Gordon (Augusta) WFGG *88.3, "The Soldier's Station," joins the Soldiers Radio and Television Network, based in the Pentagon, but retaining three local shows daily on its 24-hour schedule. This station, and others like it in AK and PR, not listed in any other reference except the "FM Atlas."
- IL Pekin WGLO 95.5 (having moved from 95.3) 7000 h,v; 189 m
- NY Jeffersonville WJFF *90.5 was to have come on air Feb. 12, operating initially from 6 a.m. to 7 p.m. daily, but hoping to extend to 24 hours daily. Serving an area of the Catskills not reached by other public stations.
- NY Utica WPNR *90.7 heard weakly; signal usable only in mono. "They must operate a limited schedule, perhaps not with their full 430 watts; *91.9 WRVN with only 210 watts (although at -25 m instead of WPNR's -46) puts out a much better signal."
- OH Mansfield WOSV *91.7
- TX Dallas KNON *89.3 was to have increased to 55 kw last month. KDGE 94.5 Gainesville plans to move its site 20 km south to better serve Dallas-Fort Worth. "This would give prime service all the way to downtown Dallas. ... Expected date of change is late spring."
- TX Lufkin KUEZ 99.3 now with 25000 h,v; 213 m, ID with Nacogdoches
- UT Salt Lake City KUFR *91.7
- WI Green Bay W249AJ 97.7. "WEMI was thinking of changing [it] from 97.7 when WDCW Sturgeon Bay came on co-channel, but for the time being Sturgeon Bay is in a weak location and interference didn't increase enough for the expense of changing."

Off Air or Not Yet On

- CA Bakersfield KTIE 107.1, expected on later this month, k format rumored
- FL Gainesville WJLF *91.7
- GA Statesboro WOTR *90.3, WUUF 102.9
- IA Des Moines KUCB *89.3, although on briefly with a weak, distorted signal around Christmas. Could be "permanently dark."
- MA Amherst WHCI 100.9, "of course"
- NY Cortland WSUC *90.5, off weekends at least
- NY Danville WACZ 93.9
- NY Irondequoit WOSB 106.7
- NY Little Falls WOWB 105.5
- NY New Paltz WFNP *88.7, to share time and transmitter with WMHX *88.7 Poughkeepsie. WMHX will program the most hours, including relaying WMHT-FM *89.1 Schenectady 24 hours when school is not in session, and will pay 80 percent of the construction costs. WFNP student programming will be heard during the school year from 7 p.m. to 10 p.m. and again from midnight to 5 a.m. SUNY-New Paltz agreed to the unusual time-share arrangement rather than carry on a protracted legal battle. "There is a tremendous potential for some nice interactive programming," with students to learn how to fit their broadcasts with WMHX's mainly classical music.
- NY Ravena WRVA 94.5
- NY Schoharie WMYY 97.3
- NY Yorkshire WYEF *91.9
- UT Manti K202BG *88.3, CP granted 10-88
- K221AC 92.1, but licensed
- NS Halifax CBAF-19 *92.3, but listed as licensed
- ON Sudbury CBBS *90.1, CBOS *90.9, due to "lack of sufficient funds—next planned on air date Dec., 1991, but don't count on it"

Deletions

CA Modesto K209AL *89.7
 CA San Marti n K201BE *88.1, probably "a fall back in case K202AR Madrone didn't work. I haven't heard it anywhere around there."
 FL Marco WGUF 92.7. FCC overturned settlement agreement, which had Rowland Gulf Radio, Inc. paying off six applicants. The decision was reversed because it would encourage "sham applications" by concerns mainly interested in being paid off rather than operating a station. The Marco proceeding is returned to hearing status.
 IL Rockford W292BZ 106.3. "Their CP was cancelled and cannot be reactivated because of the freeze." Reporter is trying to activate the never-built W257AN 99.3 there, hoping to get a different primary.
 IA Knoxville KTAV 92.1, calls not used, even on Sundays when the FM has separate programming from KNIA AM, using the KRLS FM calls. KRLS had been considered a sharetimer, but now has the exclusive use of the 92.1 channel (ID with Pella).
 NE Imperial KKEI 103.1. "I called the FCC and they told me the CP had expired. I didn't build the station because the town disappeared. The poor farm economy resulted in car dealers and others going out of business."
 NY Cortland W252AL 98.3, not necessary now that primary WAQX Manlius has switched frequencies and increased power
 VA Charlottesville W209AA *89.7, being replaced by WVTU *89.3, which is going through the hassle of local zoning hearings, which could delay the sign on from the expected July date.
 ON Brockville CBOF-7 *102.1, CBOB *100.3, CBBA *104.9—all because of new grants at Ottawa (see last month). CBOB's deletion is mentioned for sure; the others are assumed to also delete, since none has operated in several years of holding CPs.
 ON Hillsdale (Orillia) CBCO *91.5. Station "will be cancelled. After tests late last year, CBC engineers were not satisfied with the station's coverage into the Muskokas (north of Orillia). I'm not surprised—the station had only 1080 watts compared with the stations it was to replace. CBC essentially will be going back to the drawing board on this one. It is unclear whether the same frequency will be used or what to do about the facilities built at Hillsdale; 105.9 Orillia and 107.5 Penetanguishene will be on the air for some time to come."

FMistakes, FM Atlas-12

AL Mobile WTOH *105.9 add *, p. 28
 AZ Page KXAZ 93.5, not "95.3," p. 101
 FL Cross City WDFL-FM 106.3 add \$, p. 105
 FL West Palm Beach WEAT-FM list as 104.3, not 104.5, p. 106
 ME Skowhegan stations out of sequence, p. 111
 PA Martinsburg dot locating town missing, p. 18
 SC Aiken WKXC-FM 99.5 out of sequence, p. 169 [km, not 46, p. 123, still mono
 TX Hereford KPAN-FM 106.3 coverage is 21/
 TX Wheeler KPDR *90.5 add \$, p. 148
 WA Walla Walla add *90.5 KWCW to p. 81 map
 FMedia! Jan. p. 4, Col. 1 Mistake
 WI Oshkosh 96.7 is WUSW, not "WUSU"

SCServices, 57, 67, 76, 92 kHz

Symbols are as in the "FM Atlas"

CA Fresno KVPR *89.3 tX, 67
 CA Livermore KKIQ 101.7 tX (from tB), 67
 CA Manteca KVFX 96.7 tX, 67
 CA Merced KABX 97.5 tM, 67
 KAMB 101.5 no SCS [to tM, 67]
 CA Modesto KBEE 103.3 tR, 92 (in addition/
 CA Philo KZXY *90.7 tX, 67

CA Redding KNCQ 97.3 tX, 67
 KVIP-FM 98.1 no SCS
 KSHA 104.3 tM, 67
 CA Sacramento KXPR *90.9 tR, 67 (tX, 92)
 KQPT 100.5 tX, 67 (tD, 57)
 CA San Jose KBAY 100.3 tX, 67 (from tE; retains tD, 57)
 CA Vacaville KUIC 95.3 tX, 67
 GA Atlanta WVEE 103.3 no SCS ("92 kHz tZ discontinued")
 GA Cumming WWEV *91.5 tB, 67, Ambassador Inspirational Radio network feed
 ID Boise KBSU *90.3 has a CPB research grant for Alternate Public Radio distribution at 76 kHz. This will be a high-quality, 10-kHz monophonic channel, helping fulfill a CPB mandate for alternative public radio without having to create more transmitters. The 76 kHz frequency is a multiple of the 19 kHz stereo pilot.
 MA Brockton WCAV 97.7 tX, 67, "electric load shedding," probably through Brown Boveri, but spokesman not sure. "The industries could cut down their use of air conditioning, etc. at critical times, but they cannot be trusted, hence the need for the utility to do so for them to conserve electricity."
 NV Reno KRNO 106.9 tX, 67; tD, 57
 NC Asheville WKRR 92.3 tR, 67; tU, 92
 NC Burlington WPCM 101.1 tS, occasional audio for sports and special events, 92; no 67
 NC Charlotte WMXC 104.7 no tM, U (no SCS)
 WBT-FM 107.9 still tM, C, but the 92 is usually a relay of WPTF AM in Raleigh off satellite rather than WBT AM; also has Southern Farm Network audio weekdays; uses this SCS for its internal purposes. "Sunny 108" (from "B-108-FM") on main carrier, still rm. "Another one of my favorite top 40 stations gone." [of course no tQ, 92—no SCS
 NC Durham WDCG 105.1 no tM, 67, and/
 NC Eden WWMY 94.5 no tX, 67; no SCS
 NC Hickory WXRC 95.7 tM, 67; no 92
 NC High Point WMAG 99.5 tA, 92 (replacing service which left WQOK South Boston VA-Raleigh NC); retains tM, 67
 NC Lexington WWGL 94.1 tXS, data at times; sports-special events at other times, 67 kHz
 NC North Wilkesboro WKBC-FM 97.3 no tM, but has tS, news feeds, sports—occasional audio, 67 kHz
 NC Raleigh WYLT 96.1 tU, 67
 NC Reidsville WJMH 102.1 tM, 67 (no tX, U); the music is "real good quality"
 NC Whiteville WZFX 99.1 no SCS
 NC Wilson WRDU 106.1 tR, 92 (no 67)
 NC Winston-Salem WMQX-FM 93.1 tU, 67
 WKZL 107.5 tU, 67
 OH Youngstown WKBN-FM 98.9 tM, 67
 PA Johnstown WKYE 95.5 no SCS (had tM, 67)
 PA Pittsburgh WQED-FM *89.3 tR, 92, no 67
 WDUQ *90.5 still tT, 67, "very clear, very well-engineered"
 WSHH 99.7 no SCS (had tX, 67). "That's about all there is in Pittsburgh, except for KDKA (AM) and sports relaying on WLTJ 92.9. They use the SCA for their internal purposes" (67 kHz).

TX Luling KAPT 94.7 tU, 92 (not 67)
 VA Martinsville WROV-FM 96.3 no SCS (had tM, 67) [(replacing tA)
 VA South Boston WQOK 97.5 tU, 67/
 WA Seattle KEZX-FM 98.9 still tM, 67 (no 92), "Even though Muzak's headquarters are in Seattle, we get our Muzak via landline to North Carolina where it is uplinked to satellite, and we receive it via satellite, rather than across town directly." Now "98.9 FM" (strict) on main carrier.



WV Public Radio stations have apparently discontinued tT for the blind; remove 67 kHz listings
 PQ Longueuil CIEL 98.5 tM, 67, "elevator music." Facilities to 292 m (41000 h, v).
 CANADA is snubbing SCMO in launching "voiceprint," a national English-language reading service for the blind, running eight hours a day, repeated twice. Cable systems are to receive it via satellite and distribute it at no extra cost to subscribers. It will operate without commercials, but with on-air credit to donors, aimed at Canada's 550,000 visually impaired. Uses space rented from the Toronto headquarters of the Canadian National Institute for the Blind.
 "I heard your interview with Fred Vobbe recently on HCJB (shortwave) about SCA listening. Very interesting; I look forward to receiving it on tape" via an audio service.
 "The SCA unit arrived from Dayton Radio via UPS... and works good... Then yesterday I received a second AF-155 from Dayton via UPS. I want to keep this second unit they sent, and a check is enclosed. It is good to hear that Dayton seems to be up and running again..."

NonIDs, Not Just Slogans

AL Atmore-Mobile-Pensacola (FL) WGCV 104.1 Rock 104 (from "Gulf Coast's Rock and Roll")
 CA Santa Barbara KHTY 97.5 still Y-97, but employing Guy Guden and his "freeform" program early Sunday mornings. "Not on college radio, but commercial radio! Local managements have tried to get rid of him, but he outlasts them. He's successfully kept commercials off his show, except for the first half hour of the midnight to 5:30 a.m. Sunday program." ["Q-98"]
 FL Live Oak WQHL-FM 98.1 QHL (from/
 GA Brunswick WHJX 101.5 Hot 101.5
 GA Buford WLKQ 102.3 Oldies Lake 102 (from "Lake 102 FM")
 MI Ann Arbor WUOM *91.7, MI Flint WFUM *91.1, MI Grand Rapids WVGR *104.1—all Listener-Supported Michigan Public Radio (strict)
 MI Mount Clemens WKSG 102.7 no nonID, saying, "Oldies 102.7, WKSG," and hardly ever using "Kiss," although emblazoned on T-shirts and other promotional materials
 MI Saginaw WIOG 102.5 no nonID, saying "The New 102, WIOG," has a "monster signal; monster ratings." [with Mankato
 MN New Ulm KXLP 93.1 no nonID, ID/
 NM Bloomfield KCEM-FM 104.5 KC-104
 PA Scranton WGBI-FM 101.3 no nonID, throwing out "Stereo 101" [102.7 Bright 102.7
 RI Narragansett Pier WPJB/ [B-93.7 FM
 SC Greenville WFBC-FM 93.7/ [95 FM"
 TX Austin KKMJ 95.5 Majic 95.5 (from "Majic/

TX Port Arthur KYKR 93.3 Kicker, still k
VT Middlebury WCVN 100.9 FM-101 (from
"101-FM")

VT Rutland WKLZ 94.5 Kiss 94.5
WRUT 97.1 Z-97, to get new calls?
WA Bellevue-Seattle KLSY-FM 92.5 no nonID,
calling self "92.5 KLSY"
WA Seattle KUOW *94.9 Nearly 95 FM
ON Sarnia CBEG *90.3 CBC Radio (mono)

Multi-City IDs In Use

MN Bemidji KBHP 101.1 with Park Rapids-
Bagley
TX Fairfield KNES 92.1 adds Mexia ("ma-hey-a")
TX Hillsboro-Waco KJNE 102.5, variable third
city
TX Temple-Killeen KPLE 104.9 adds Belton; no
nonID, saying "Centralplex Country KPLE"
"I appreciate the accurate listings available in
your guide... although I still feel that
anybody who's interested enough in radio to
buy your guide is also interested in accurate
listings of AM stations, as well."

**AM Happenings Most Likely Caused
by FM**

AL Mobile WMML 1410 silent for about three
months. "Mel Tillis, previous licensee, took it
back from present licensee, and Tillis will sell it
to Bishop L. E. Willis, the active minority
buyer/seller. Willis will do black gospel."
CA Lemoore KJOP 1240 silent; had been
Spanish. [silent "and for sale"]
FL Gulf Breeze (Pensacola) WFXP 980/
FL Milton WECM 1490 off air, formerly WCKC
and before that WSRA, having been sold several
times since 1981. Hopes to sell the station soon,
but if not, will sell the equipment.
FL Pensacola WBOP 1230 serving the black
community since 1958, suffering audience
erosion to a .9 last spring from a 15.4 in 1980,
now off the air. WBLX Mobile, "a popular FM
station, is coming up strong in popularity with
the black audience that WBOP was targeting,"
increasing its local reach from 7.7 to 12.7 in the
last two years. WBOP is co-owned with WTKX
101.5 and expected back on with a rock format;
all 14 WBOP employees were let go, "but the new
AM station will have a new staff..."
GA Augusta—Eight of the top 10 stations,
according to Birch, are FMs, including WLPE
*91.7 being ahead of WGAC AM. WFXA 103.1
has unseated long-time leader WBBQ-FM 104.3
for the top spot. WBBQ AM or FM held that spot
for 28 years.
ME Bath WJTO 730 silent; also WIGY 105.9
silent, but hoping to return to the air shortly.
ME Fort Kent WLVC 1340 off the air; expected
back on this month.
ME Gorham WKZN 1590, formerly WJBQ AM,
still simulcasting with WKZS 99.9 Auburn, and
"awaiting change in frequency to 870 AM."
ME Madawaska WSJR 1230 expected back on in
March. This and Fort Kent being bought by Tom
Beardsley and Chris Barbieri.
ME Portland WYNZ 970 ends big band music,
simulcasting with WYNZ-FM 100.9 Westbrook-
Portland. The reason: "Not enough listeners for
nostalgic music" on AM. Also dumps Larry King.
MA Boston WHDH 850 fires morning man Tom
Doyle of Doyle-Cain Show, leaving Jess Cain to
carry on alone. Cain, 63, who retires in two years,
says: "What listeners don't want is today's music
monaurally; that's why the erosion in AM radio is

still going on. The music used to be secondary;
now there's no music at all."
NY Trumansburg WPIE 1160 on air with
beautiful music. "This is the first non-
simulcast station I have heard around here on
AM. The sound quality was rather poor, and 95.1
WZSH comes in quite well anyway, so I don't
give WPIE much of a chance to survive."
NC Charlotte WAES 610 picks up the WROQ
calls given up by 95.1 FM (now WZZG). "WAES
was formerly known as WAYS. WAYS was one of
the great top 40 stations during the 1960s and
1970s." Now satellite-fed "Z-Rock."
OK Henryetta KDLB 1590 reported silent.
TX Austin KFON 1370 (was KOKE), now
"K-Phone," dropping EZ for talk. "KOKE and
KAPT (94.7 FM Luling-Austin) were virtually
tied in the ratings, and both finishing below the
top 10. However, some Austin listeners can tune
in KNCT FM *91.3 in Killeen... With
KVLV/KAPT changing format... KTSM-FM in
El Paso is the only easy-listening outlet in a top
100 market in Texas."
TX Creedmore (Austin) KGTV 1530 silent.
BC Richmond CISL 650 ending its proposal to
use synchronous transmission at White Rock BC.
"The problem was solved using the main
transmitter. To our knowledge, synchronous
transmission has never been used in Canada,"
says "Broadcast Technology" magazine.
CANADA Ottawa FM stations to replace AMs
because of interference to the AM stations,
especially at night; however, in markets like
Toronto, Vancouver, Winnipeg, Calgary,
Edmonton, Quebec and Montreal, AM stations
will remain. "We have accepted that there is a
satisfactory service on the AM band." Comments
a reporter: "Booo!" The two CBC AMs in
Ottawa will sign off within 12 months of the FM
stations signing on.

FM Rulemakings Proposed

First date below is deadline for filing comments
at the FCC; second date is for replies. Stations
affected, if any, are listed before the dates.
AZ Winslow 105.1C2 at Kachina Village, from C,
KTDX, Mar. 22, Apr. 6
AZ Yuma 95.1C from C2, KTTI, Mar. 26, Apr.
10 [26, Apr. 10]
AR Pine Bluff 101.3 C3 from A, KPBB, Mar./
AR White Hall 104.5A, Mar. 23, Apr. 9
CA Beaumont 100.9A, Mar. 26, Apr. 10
CA Marina 92.7B1 from A, KBOQ, Mar. 26, Apr.
10 [KOCN, Mar. 26, Apr. 10]
CA Pacific Grove 105.1B1 from 104.9A,
CA Salinas 103.5A at Seaside from 103.9A,
KRAY, Mar. 26, Apr. 10 [Apr. 10]
CA Soledad 106.3A from 105.3A, Mar. 26,
CA Thousand Palms 94.7A, Mar. 26, Apr. 10
FL Avon Park 99.1C3 for 106.3A, WWOJ,
counterproposal
FL Carrabelle 106.5C1, counterproposal
FL Crawford 105.7A, counterproposal
FL Murdock 98.9A, counterproposal
FL Okeechobee 103.1C2 from A, WOKC-FM,
counterproposal [counterproposal
FL Winter Park 103.1C3 from A, WLOQ,
GA Lafayette 107.5A, Mar. 22, Apr. 6
GA Metter 103.7A from 104.9A, WHCG, with
Milan, counterproposal
GA Milan to new channel which FCC did not
release from 104.9A, WMCG [WXRS-FM
GA Swainsboro 96.9A from 103.9A with Milan,
HI Hil o 95.9C2, counterproposal
IL Benton 106.3B1 from A, WQRL, Mar. 26,
Apr. 10 [counterproposal
IA Manchester 94.7C3 from A, KMCH/

KS Andover 93.9C3 counterproposal
KS Ogden 103.5C2 from 103.9A, KQLA, Mar.
22, Apr. 6 [counterproposal
KS Winfield 107.9C2 from 94.3A, KWKS/
MN Bagley 102.3C2, counterproposal
MS Cleveland 107.5C3 from 106.9A, WEZU
counterproposal [counterproposal
MS Okolona 99.A, [Mar. 29, Apr. 13
MS West Point WKBB 100.9C3 for A, WKBB,
MO Albany 100.1C2, counterproposal
MO Moberly 105.5C3 for A, KZZT
counterproposal
NV Fallon 107.7A, counterproposal
NY Chenango Bridge 95.5A, counterproposal
NY Cincinnati 95.3A, counterproposal
NC Fairmont 100.9C2 from A, WYZZ, Mar. 29,
Apr. 13 [KQLI, Mar. 29, Apr. 10
OK Lawton 97.1A at Eldorado from 94.3A,
SC Abbeville 95.9A from 92.9A, counter-
proposal, WZLA
SC Andrews 100.7A from 100.9A, WQSC,
"show cause/why not?"
SC Charleston (new) 100.5C2 or 100.5A from
100.7A, Mar. 29, Apr. 13 [29, Apr. 13
SC Ell ore 100.3C3 from A, WMNY-FM, Mar./
SC Laurens 92.9A, with Abbeville counter-
proposal [Mar. 29, Apr. 13
SC Little River 100.7A, [Apr. 13
SC Mari on 100.5C3 from A, WQT1, Mar. 29,
TN Obion 101.3C3, Mar. 26, Apr. 10
TX Brenham 94.1C3 for A, KULF counter-
proposal
TX Crystal Beach 101.5C3, counterproposal
TX Ganado 104.5C3, counterproposal
TX La Grange 104.9C2 at Rollingwood, from A,
KBUK counterproposal
TX Matagorda 104.7A, counterproposal
TX Point Comfort 94.1C2 or 104.9A, counter-
proposal [counterproposal
TX Seadrift 105.1A, [proposal, KPLE
TX Temple 105.1A for 104.9A, counterpro-
WA Moses Lake 96.3A from 99.3A, KDRM,
"show cause/why not?"
WA Rock Island 99.5C3 from A, KXAA, Mar.
29, Apr. 13 [Mar. 26, Apr. 10
WV Buckhannon 93.5 B1 from A, WBTQ,
WI Ashwaubenon 103.1C3, counterproposal

FM Rulemakings Finalized

Dates are when FCC filing windows are open
GA Fort Valley 106.3C2 for A, WQBZ
GA Gray 96.5A, Mar. 16-Apr. 16
GA Montezuma 95.1A from 92.5A
GA Zebulon 92.5A, Mar. 19-Apr. 18
HI Princeville 98.9C1, Mar. 19-Apr. 18
ID Chubbuck 98.5C2 from 98.3A, KRCD
ID Island Park 106.5C, Mar. 19-Apr. 18
IN Churubusco 96.3A upheld by FCC
IN Huntington 102.9A for 103.1, WOWO-FM
IN Syracuse 103.5A, Mar. 19-Apr. 18
IA Algona 92.7C2 from A, monophonic KLGA-
FM
IA Forest City 107.3C2 from 102.3A, KIOW
IA Osage 103.7A from 92.7A, KCZY
KY Burkesville 107.9A for 98.5A, WKYR-FM
KY Paris 96.9C2 from 96.7A, WCOZ
KY Russell Springs 92.7A, Mar. 23-Apr. 23
MI Beulah 92.1A, dates not announced
MS Ebenezer 103.9A, Mar. 23-Apr. 23
NE Sargent 92.1C1, Apr. 3-May 3
NC Semora 106.7A grant upheld by FCC
PA Altoona 100.1B from A, WPRR
PA Beaver Springs 106.1A, Apr. 3-May 3
PA Burnham 96.7A, Apr. 3-May 3
SC Walhalla 96.3A, Apr. 3-May 3
TN Cookeville 98.5C2 from 98.3A, WHUB-FM
VA South Boston 106.7A grant upheld by FCC

**FCC Axes Proposals Which Would Have
Meant More Diversity for the Listener On
FM**

Saying they're out of date, the FCC
gave the heave-ho to eight Mass Media
dockets; some were as old as from the
Jimmy Carter era in 1978. Proposals

having the greatest bearing on FM radio were Docket 78-165, Amendment of the Commission's Multiple Ownership Rules to Include Educational FM and TV Stations, and Docket 78-164, Amendment of the Commission's Rules Governing the Eligibility for Noncommercial FM and TV Broadcast Station Licensees.

Also eliminated was Docket 85-192, which would re-examine the "single majority stockholder" and "minority incentive" provision of Sec. 73.3555 of the Commission's rules.

Comment: It's too bad the FCC has to drop proposed actions simply because it failed to act in timely fashion. We're seeing abuse of FCC processes in the licensing of noncommercial facilities, both religious and "public." Multiple transmitters in the same city by the same organization is pure abuse, in my book. And proliferation of stations by one owner, such as Family Stations, Inc. or Trinity Broadcasting, is also abuse. To the FCC's credit, an earlier proposal, from 1976, was favorably acted on, and that was to undercut 10-watt educational stations, relegating them to nonallocated channels in the commercial band, or subject to displacement if they continue in the 88-92 educational band. Al Sikes of the FCC said, "The public has a right to timely action on proposed changes in our rules and policies." Let's hope he and his colleagues can come to a timely agreement about FM translators. If not, the status quo will prevail, which is still a lot better than what the NAB is hoping for, but less than the John LaTour element wants.

A development that could stem abuse by a single licensee in a market, but still permit that station to offer two separate programs to the public, is what KBSU Boise ID is pioneering. See above, SCS, Boise, for the latest in 76 kHz goings-on. Such a technology would also have relevance to commercial stations, providing a second program such as for sports play-by-play to an at-home or car audience without disrupting the regular station format. And it might enable struggling AM stations to latch onto a nearby FM and continue on the air. A development that promising need not languish from lack of receivers; 76-kHz ready radios would soon be omnipresent; and conversions would be readily available to adapt existing radios to get the new programs. Perhaps not as exciting as DAB (see last month), but nonetheless, it's an FM development, relatively low-tech, and easy for manufacturers to adapt to, both in transmitters and receivers.

Speaking of Digital Audio Broadcasting, more has been learned about the technology. A major drawback is that you have to know in advance exactly how many DAB stations will be in a market

before any can start broadcasting; it's a "bundled" technology. This rules out new stations coming on later. It also requires more spectrum planning than perhaps any other technology known to date. It's not known if there is enough spectrum to accommodate all current FM stations in such a new digital service, and, of course, future expansion seems out of the question. Broadcasters are far from being in agreement whether or not DAB represents a promise or a threat to them.

RDS Looked At—Is it Necessary?

The NAB show in Atlanta (Mar. 31 to Apr. 3) will feature a demonstration of Digital Audio Broadcasting. That will be closed-circuit; no on-air demo of DAB is expected before the NAB meets in Las Vegas in 1991. But there is a technology expected to be over the air in Atlanta this year. It's the European Radio Data System, operating at an SCSetting of 57 kHz on the FM station carrier. Two unnamed Atlanta FM stations are to take part in the experiment; WHTZ 100.3 Newark NJ-New York NY is said to be carrying RDS at present. RDS has grown from just being the Blaupunkt ARI highway traffic and weather system promoted in the early '80s, although both operate at 57 kHz, and one FM station can offer both technologies simultaneously. ARI, however, is being phased out, because of what RDS can allegedly do.

Dietmar Kopitz, chief engineer, the European Broadcasting Union, almost inundated me with material on the system. It is the EBU which is setting standards for the system, with Jerry LeBow of Sage Broadcasting (203) 358-1464 actively working with NAB and EIA on setting RDS standards for the US market. . . Many receiver manufacturers are involved in making reception tests [with] radios and encoders for this system to be shown in the booth of Rohde and Schwarz. Maybe this is hot news for your FM newsletter."

Briefly, here's what RDS does, although features to be used vary according to the country that has implemented it. Typically, it provides program identification (network or station), printing out the station call letters or nonID, jumps to alternate frequencies according to the format you punch into your car radio [seeking the strongest signal], offers traffic announcements, clock time and date, radiotext (similar to digital paging), data and telemetry for use in-house. The system does not work too well in mountainous countries like Norway, where it will seek out the strongest signal, often plagued by multipath, instead of perhaps a weaker translator with the same program, but having no multipath. Italy presents a special case, with myriads of private FM

transmitters on non-standard frequencies, some of which digital receivers cannot tune to. "In terms of the number of existing FM stations, Italy appears to be the champion of Europe. The requirements for FM channels appear now to be so high, that odd multiples of 50 kHz are used there by many local stations for their frequencies. . . No authority seems to enforce the use of 100 kHz spacing as is common practice in the rest of Europe, in conformity with the Geneva Plan of 1984."

RDS car radios have been announced by such firms as Alpine, Becker, Blaupunkt, Clarion, Denon, Ford, Grundig, Hitachi, JVC, Kenwood, Panasonic, Pioneer, Philips, Sansui, Sanyo, Sony, Sharp, Volvo and Yamaha; home receivers by Fisher, Grundig, Sony, Revox, Studer, Telefunken and Thomson.

Reasons for RDS include the proliferation of stations, and the need to be able to follow a format of choice, such as classical music, as you travel in unfamiliar areas. I find the idea of a digital display of station call letters intriguing, but wonder as to the need to have a radio system offering time, even when the time function automatically corrects for variations of standard and daylight shifting times. For the program function, the technology mentioned last month, the "smart" car radio using the CQI-D90 by Panasonic and PRS Corp., which has programmed into it formats for over 4,900 FM stations, might be the answer. The "M Street Journal" tells me they are supplier of the format information which goes into those radios. Ultimately, cost will probably dictate whether the RDS technology will catch on in the United States, or whether an "intelligent" car radio that knows the formats of all the stations and automatically tunes in such stations every 100 km or so, will catch on. It remains to be seen whether a technology like RDS that needs every station to emit an identifier signal at 57 kHz--and thus purchase extra equipment--is what the United States needs or wants.

Other Small-Print Happenings and FM Industry News

Like the situation in Italy, some cable systems in the United States send FM signals out at frequencies which digital receivers do not like. "FM receiver manufacturers have complained that digitally tuned receivers do not work on some cable systems because the FM channels are not on FCC frequency assignments. Operators should check to ensure their equipment is operating on frequency," advises *Communications Engineering and Design*.

A magazine I used to receive has stopped publishing. *Television/Radio Age* pulled the plug in November, because of a loss of advertising pages (from 1161 in 1987 to 627 in 1989, through Nov.). Other trade magazines

were similarly hit. "TV-Radio Age" was the best

Advertisers tune out broadcast titles

Magazine ad pages

	1987	1988	1989
Television/Radio Age	1,161.42	955.39	627.36
Broadcasting	3,105.39	2,493.50	2,221.24
Electronic Media Channels	1,887.33	1,850.34	1,690.13
View	328.82	523.98	407.07
Variety*	536.86	538.81	334.33
	N/A	559.52	401.49

Note: 1989 figures do not include December
 *Variety figures include Radio/TV section only
 Source: Space Analysis Systems (Willow Grove, PA)

reference for covering Spanish radio-TV, including the growing number of Latino FM stations.

Several readers sent articles on the problems WFMU *91.1 East Orange NJ is having, now that an error made 28 years ago in its engineering has come to light. Co-channel stations WSHU Fairfield CT and WKTW near Toms River NJ, along with WFUV *90.7 in the Bronx, are asking the FCC to cut WFMU's power in half, so that they can experience less interference. WFUV would like to reach all of Manhattan, but finds WFMU nibbling into its western coverage, while WSHU has resorted to a translator (see above "New," Stamford CT), and WKTW would like better coverage. WFMU, however, fears that up to 40 percent of its listener-contributors would be lost if it could not reach into Manhattan and other expanded areas that now enjoy reception. The error was made in 1962 when RCA engineers incorrectly measured the height above average terrain of the WFMU antenna. The error was not noticed until WSHU hired an engineering firm, which is now working with the other affected stations.

The FCC has ordered WFMU to submit an application to correct the error, but WFMU has instead filed an application to make the present operation legal. WFMU is solely supported by listeners, drawing no support from its licensee institution, Upsala College, while the other three stations rely on a combination of grants and school, corporate and listener sponsorships for funding. If you were on the FCC, how would you vote?

FM broadcasters with questions on the status of their FCC applications for modifications of construction permits can call NAB for a status check—another example of stations' NAB dues being put to work. NAB receives twice monthly lists from the FCC indicating where a particular CP mod application stands for Commission action. The lists also show if there are any reasons for an application to be "blocked," including FAA objections, a "deficiency" in the application and Mexican/Canadian border conflicts. For more information call the NAB at 800-342-2452, 2454 or 2457. Stations having "blocked" applications then might want to contact their communications lawyer or the NAB's legal department for help.

It was Cleveland recently where many of the city's stations teamed up against drugs. Now Boston has sported three stations to benefit the AIDS action committee. WZLX 100.7, WFNX 101.7 and WCGY 93.7 had a "triumph" Feb. 9, which raised \$96,000, up from \$90,000 in 1989, when WZLX alone had the show. The stations agreed on a list of 300 songs to play, despite differences in their musical formats. "We see it as one radio show that three stations are producing together," which took place from the Hard Rock Cafe.

A U. S. Court of Appeals has, in the case of Shreveport LA 100.1A, overturned criteria for consideration of all locations counterproposals, ruling that the FCC had not properly published its procedures or made them available for public comment before their implementation. An outcome of the case is that KMJJ-FM Shreveport does not get to move from 100.1A to 99.7C1, at least without the opportunity for more public comment. Whether this will affect other FM channel rulemakings and counterproposals is unclear.

They say it's on the air, but the FCC says it's deleted. WBPK 106.3 Flemingsburg KY had its extension of construction permit application denied, but went ahead and built, despite the FCC's cancellation of the station's call letters. "The station was subsequently built and now faces being removed from the air." A pirate, or for real?

A jury in Pittsburgh has awarded former WBZZ 93.7 news director Liz Randolph, 32, \$694,200 in damages for on-air verbal abuse she received from B-94 morning DJs Jim Quinn and Donald Jefferson. Their jokes implied she was promiscuous and mentally unstable. The air personalities and station were found liable for intentional infliction of emotional distress, defamation, invasion of privacy, and having to pay medical bills to Randolph. WBZZ's management was found to have ignored Randolph's complaints about her on-air treatment. She said she was glad she had endured the two-week trial, and one of her attorneys said this should serve as a warning to other broadcasters about airing risqué humor, especially jokes that target co-workers.

Clarke Ingram, new program director at B-94, sent a 1989 Major Armstrong awards form for stations and program producers. "Notice that AM stations are included! Hmmm," comments Ingram. Besides, the Armstrong committee is not out there sleuthing the dials trying to find meritorious programs. Seems stations have to submit the program, according to category, along with an entry fee of \$50 for each entry. College stations can get by a little cheaper, paying only \$25 per program. The Armstrong Memorial Research Foundation does have to make money, of course, but AM stations? Ugh! Or did Edwin H. have second thoughts about AM before he died in 1954? After all, he did give us the Superheterodyne circuit, which greatly increased the sensitivity of AM radios. Deadline for entering is May 15, 1990. To get your application form write the Armstrong Foundation, Room 1342A S. W. Mudd Building, New York NY 10027.

Getting short term renewals or fines of from \$5000 to \$10000 mostly for EOE violations: WSPA-FM 98.9 and AM Spartanburg, WKZQ-FM 101.7 and AM Myrtle Beach and WNMB 105.5 and AM North Myrtle Beach, all SC.

In sports news, the NFL's Houston Oilers announced a unique agreement whereby play-by-play of the team's games will be on KTRH 740 AM and KL0L 101.1. "Several FM rock stations had broken new ground by broadcasting play-by-play of the Super Bowl in January." Let's hope they have the sense to turn off their stereo generators while doing so—unless the broadcasts are in stereo with true audio separation between the left and right channels.

From the classifieds: Wants to buy CP antenna, 6-8 bay for 96.9, min. 10 kw input rating, D. Carver, KZBK, 107 S. Main, Brookfield MO 64628.

Forsale Johnson Electronics ST-4A subcarrier receivers converted for 4800 baud reception, 92 and 67 kHz. D. Leinen, Independent Resources, PO Box 23498, Oklahoma City OK 73123.

Moseley SCG-8 subcarrier generator, 92 kHz, used only 6 months, best offer or trade for ITC-750 deck and "some cash," Kurt Browall, KTRZ FM, PO Box 808, Riverton WY 82501.

FM FORUM

CONTRIBUTIONS FROM READERS

Controversy about translators abounds. Gerry Turro called and said his W232AL 94.3 Pomona NJ is on top of an unnamed mountain with only three watts, but at 550 m above sea level, probably 188 m above average terrain. It would not, as speculated last month, join with the Fort Lee station to form a mini-network, "because the situations are not the same. Fort Lee sits in a county without any commercial FM service, the county where FM started with Armstrong, while the other translators are all in areas having multiple services." He's had a "radio state of emergency" declared by the county which might result in his getting programming origination.

Challenging the statement a couple of months ago that "there is absolutely nowhere WHTZ signal doesn't pound into this county" is Robert B. Murgdechian, who does some work at WHTZ. "I'm sorry your writer doesn't like the audio processing (compression) on WHTZ/Z-100. There are constant write-ups in 'Radio World' about how fantastic the set-up is. I just think that this person doesn't like Z-100." And he wonders why co-channel stations to the translator WCTO and WJLK-FM were called. "Neither one of these serves Rockland County! I know that W232AL is not reducing their coverage area either!" He claims the translator gives service in areas shadowed by mountains, but Karl Zuk of Croton-on-Hudson doesn't agree. "Now I get a copy of Z-100, louder than the original. Is the public being served? The biggest 'mountains' around here are just bumps in the ground, not enough to even dent powerful signals like Z-100's. Welcome to the AM-ization of the FM band!" He maintains that Turro is interested in developing translators so that he'll be there for low power FM, when and if such a service is authorized.

Z-100's ratings dropped in the latest Arbitron to fifth place at 4.3. The pack was led by WPAT-FM, then it was WLTV, WINS AM and WOR AM. "I thought you'd find this interesting," says John Leon. In Charleston SC, Arbitron didn't do a fall '89 survey due to Hurricane Hugo. Their next will be spring '90, according to Walter Garrett.

Mike Dorner reports from New Orleans that there is still quite a mess at WWOZ *90.7 there. Station continues on the air, but with complications like: Six paid employees either quit or were recently fired, the entire 14-member Friends of WWOZ resigned, the locks on the station studios were changed by the manager, the station's fundraising was declared an almost total loss after management changes "left it in shambles," and the station has run out of money. "Sounds like the troubles at WBAI New York in the '70s, huh? I think time is proving the concept of community radio unworkable, except in isolated towns such as Telluride CO and in Alaska. I've seen enough of church



councils and school boards to know too well the endless bickering that goes on. My guess is that the Jazz and Heritage Foundation regrets it ever took over the station.

"One of the applicants for the Roswell GA 107.5A (Atlanta metro) frequency, now in hearing, is the president and general manager of WGKA-AM (classical), Eathel Holley. You remember when the cinema chain bought WGKA-AM-FM 92.9 stations in the early '70s, there was hue-and-cry among classical music lovers. The owner wanted to know where all these people were when he was trying to get them to patronize his advertisers. The sale went through, but both seller and purchaser agreed as a PR gesture to keep the daytimer (on 1150) as classical music. . . Other markets that might do well with a commercial classical format would be Orlando, Naples-Fort Myers, Cincinnati, Rochester NY and Honolulu—in terms of numbers of stations and per capita income. Final thought: Why is it that classical music stations are derided as 'classical music jukeboxes'? Why, then, are there no 'AOR jukeboxes' or 'top 40 jukeboxes' or 'country music jukeboxes'?"

Dorner thinks the way National Public Radio is going, it will drive more commercial stations to turn to classical, while another critic, Dave Beauvais, finds fault with NPR's "absolutely pervasive habit of airing the most grisly, graphic, stomach-turning descriptions of decaying bodies, gunshot massacre victims and dismembered air disaster casualties while the nation is fixing supper. Is this sort of reporting really necessary, or is it simply a gratuitous striving to become National Shock Radio—sort of an intellectually-pretentious version of a supermarket tabloid? The tabloids do it better—and you can edit them with your eyes more easily than you can edit a radio program with your ears." Also faulted is the network's tendency to assign minority reporters to follow stories in which they have a personal stake. Frank Browning from San Francisco seems "incapable of writing about anything without twisting the material around to some sort of gay angle." Even in covering the earthquake "he worked around to discussing the effect of the quake on cruising activity in the city's Castro district! . . . The network also has on staff a practicing witch . . . who specializes in stories about other witches, nudists, UFO contactees and related extra-planetary oddities. Well, at least she knows her stuff! . . . My open question is simply this: is fairness, objectivity and accuracy in reporting the news served by assigning reporters who have personal, existential axes to grind about the subject matter?"

Beauvais does say that Cokie Roberts, Nina Totenberg, Scott Simon, Daniel Zwerdling and Daniel Schorr are among the network's exceptionally good journalists. "They know how to write for the medium [and] exhibit strong personalities as well, but manage to keep a sense of humor, a feeling for redemptive qualities of human mischief, and a somewhat puckish bemusement about the state of the world, all of which prevent them from plunging off the deep end into sanctimonious and messianic badgering."

At the risk of cataloguing personalities, I am including the above analysis, minus one name because I don't wanna be sued! I often tune in "Morning Edition," and enjoy that show as a prelude to the day's activities. I do object to the over-networkization of America, and find a loss of diversity among public stations that formerly offered music and other local features in the morning. With my antenna system I'm able to tune in about a dozen public FM stations, but only one offers any music during the 7 to 9 a.m. hours—WCAL-FM *89.3 Northfield MN, except for the irrelevance of Minnesota Public Radio with its primary St. Paul-Minneapolis emphasis.

Dillingham AK will have a commercial country FM if Jackson McCormick gets his way. He has applied for 99.1, and it will be

stereo, and he's already gotten FAA approval for a 46 meter tower on his property near the airport. Now if his property were farther from the airport, could he get a taller tower? Hmmm. The new KMXT Chignik translator should be on the air by now. It is classified as an "emergency" or "special service" translator, and missed the usual FCC lists. Perhaps that category could be used to enable others, such as commercial translator applicants, to build or expand, even despite the freeze (and I'm not talking about Alaska weather!).

Scott Fybush comments on all the new Class A FM stations coming into central New York state. "If their programming is anything like most of the 80-90 FM's I've heard thus far—that is, repetitive satellite-delivered moldy a.c.—I can only ask, 'who needs all these stations anyway?' Perhaps it's finally time to declare the FM band, at least in Zone I and I-A, full and call a freeze on new licenses." He mentions a problem people living near WBEE-FM's 92.5 transmitter in Penfield NY are having with RFI problems since the station changed its antenna last summer. "Seems to me that goes with the territory; I wouldn't buy a house in the shadow of a 50-kw FM station without expecting some RFI (radio frequency interference). . . The tower has been there since 1961; the houses are more recent."

This isn't an equipment review newsletter, but Fybush mentions the Terk pi² indoor FM antenna. It's attractive and "easy to live with [and] I would recommend the pi² highly as a substitute for an outdoor antenna where one is impractical, except where strong FM transmitters are nearby."

Speaking of technical modifications, I have learned more about ceramic filters, which are found in almost all modern tuners, receivers, car radios, and portables with FM. By substituting the factory filters (usually two in each radio), with ones having a 180-kHz or 150-kHz bandpass (3 dB bandwidth) one can achieve adjacent-channel selectivity of 45 to 50 dB, with virtually no loss of audio quality. Reception of SCA at 92 kHz on a receiver so modified is, however, more difficult.

Philip Michael Martin has put together an FM radio aircheck for New York City and vicinity—"Hot City Set 12, 92-108 FM," consisting of scoped hours of NY's contemporary FM music stations, shorter samples of suburban stations and DS from non-contemporary stations, all fitting onto a 90-minute cassette. "Best of all, it sells for \$6," from Martin at No. 1 Market Airchecks, PO Box 568, East Hanover NJ 07936.

K. W. Walter sent an obituary on the "Death of CKO," Canada's all-news FM stations, from "Broadcaster." The network started on FM (later adding one AM station) at a time when FM was not noted for having an audience, much less an audience for news. Change occurred slowly for the network, as it embraced talk shows, but the change was not enough to stave off creditors who eventually took the stations off the air. I've been told that the 99.1 dead carrier in Toronto, has been taken off the air; it was speculated that the carrier was returned to protect CKO's SCMO contracts in the area.

KRCR Cameron and KGID Giddings remain off the air, not on the old or the new frequencies, notes Texas' Chip Kelley. "I saw the comment on p. 4 about KMKT 104.9 Denison-Sherman. Reader says they have been announcing on air their forthcoming move to 50 kw. I don't know how soon they plan to move. I heard this ad about four or five months ago. They promise a signal 'all the way to LBJ' (I-635 in Dallas' north side). This means KMKT will cover all of Collin County which lost both of its radio stations. KSSA 1600 Plano has moved to Cockrell Hill (in Dallas County), and KSSA-FM 95.3 McKinney is Spanish. KSSA-FM used to be AC KWPL with local news and

sports. Collin County is largely white (most of the population lives in suburbs of Plano and Richardson), so KSSA-FM isn't providing much of a service with its Spanish format. KMKT carries Unistar's Oldies Channel."

FM As It Was—Or Might Have Been


"Complete elimination of static from a radio program is accomplished by a new system devised by Major Edwin H. Armstrong. Initial demonstrations have been made on a wavelength of 2.5 meters [120 m] and there are indications that the system would have applications in television broadcasting. . . The static-free system is the result of introducing into the transmitting waves a characteristic that does not exist in radio waves that nature creates in causing static. The receiver is so constructed that it picks up those radio waves having the special 'marked' characteristics and discards the natural ones," February, 1936, *Popular Mechanics*.

The Milwaukee Society of Broadcast Engineers reminds us in their newsletter that 1990 is "The Year of Armstrong," to "commemorate the life and work of Major Edwin Howard Armstrong. December 18, 1990 will mark the 100th anniversary of his birth. A giant among American inventors, many believe that his stature compares with that of Thomas Edison. Armstrong held 42 U.S. patents pertaining to radio, including the breakthrough discovery of the regenerative feedback effect that allowed the early vacuum tubes to yield much improved gain figures, resulting in more reliable distant communication on both long and short wavelengths. His invention of the technique of frequency modulation in 1931 has affected each of us today." During this year I hope to be able to report more on Armstrong's life, including public awareness of this man's gift to mankind during the centenary of his birth.

I was just looking at the August 1976 New York "FM Guide," and see that Len Feldman was at it back then, reviewing such equipment as the Kenwood KR-3600 FM Stereo Receiver. Onkyo advertised its TX-4500, with its exclusive "Quartzlocked" and "Accutouch" FM tuning. It had an analog dial, but apparently the AFCircuit was activated by touching and releasing the tuning knob. The Marantz 112 Tuner boasted phase lock loop and a Dolby pre-emphasis switch, while the Nikko 9095 stereo receiver was in an ad showing insect-sized people prowling around the chassis admiring such things as the lighted dial, MPX with an integrated circuit, and a sensitive front end. An article by Martin Clifford highlighted the history of Nikko Denki Seisakusho. The company was known as Nikko Electric Mfg. Co., Ltd. by 1938. In 1967 the company's gross revenues were \$250,000; by 1976 "Nikko is on its way to the \$10,000,000 mark. . . Now located worldwide, with offices and factories, Nikko looks forward to the future with confidence and equanimity. That isn't at all surprising considering its past growth." Stations given the most listings were WFUV, WKCR, WNYC-FM, WQXR-FM and WNCN. I guess NY's FM programming has changed less than the tuners and receivers. Lee M. Oser, Jr. was editor and publisher of the magazine.

□□□□□□□□□□

Mike Cherry applauds the addition of rock oldies and classic rock to the format designation used here. "I don't agree that new age music should have its own symbol; either 'mj' or 'r' are just fine. I think that so-called new-age music stations will become the 'b' stations of the '90s and the next decade beyond."

Think summer. Besides December being popular month for stations coming on or changing formats, Paul Hake says July is a good time for stations to make the big change. Probably coincides with the new fiscal year. Which reminds me, it's tax time. Except for few historical items, this completes the backlog of materials until next month. Until then, 

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Bruce F. Elving, Ph.D., Publisher
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A NEWSLETTER OF FACT AND OPINION ABOUT
FM RADIO AND RELATED TECHNOLOGIES—
FROM THE PUBLISHERS OF THE
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Volume 4, Number 4—April, 1990

New FM Station, Translator Grants

AL Bay Minette 106.5 2600 h,v; 106 m, Baldwin Bcstg. [A. A. Radio Partnership
AK Anchorage 92.9 100000 h,v; 387 m./
AZ Claypool 105.5 3000 h,v; 85 m, C. Bcstg. Co.
CA Auberry (42 km NE Fresno) 105.1 710 h,v;
580 m, Mountain Air, Inc. [Milliken
CA Garberville 104.7 50000 h,v; 808 m, J.P./
CA Thousand Oaks K280DT 103.9 (KOST 103.5
Los Angeles)
FL Silver Springs 95.5 3000 h,v; 100 m,
reinstatement of grant—to S. S. Communica-
tions [h,v; 100 m, R. H. Bcstg.
GA Richmond Hill (Savannah) 105.3 3000/
IL Mount Vernon 102.1 25000 h,v; 100 m, D. S.
Stratemyer [A. C. D. Ventures
IL Nashville 104.7 3000 h,v; 100 m./
IN Evansville 107.5 3000 h,v; 82 m, Tri-State
Community Development
IA Ankeny 106.3 3000 h,v; 100 m, V. O. B., Inc.
KS Liberal 102.7 100000 h,v; 165 m, Smith/
Triebold Partnership [County Bcstg.
KY Williamsburg 104.3 2000 h,v; 122 m, Whitley/
ME Harpswell (43-44-16; 69-59-43, 14 km S.
Brunswick; old map shows it as "Harpswell
Center") *91.9 3000 h,v; 72 m, g, Downeast
Christian Communications [Radio Co.
MS Monticello 102.1 3000 h,v; 100 m, M./
NV Gardnerville-Minden K228DA 93.5 (KSXY
101.7 Reno), on air
NJ Freehold Township *89.7 1300 vertical only;
46 m, d-a, g, Faith Bcstrs.
NY Mount Hope (8 km W, Middletown) *90.1
1800 h,v; 172 m, Shawungunk Communica-
tions
NC Rocky Mount *90.9 6000 h,v; 191 m, NC
Wesleyan College; see also "Deletions," WVSP
ND Minot 106.9 3000 h,v; 56 m, Faith Bcstg.
OH Belpre *91.7 110 h,v; 130 m, Lower OH Val-
ley Educ. Corp. [Spanish Cultural Network
OH Lorain *89.1 2200 h,v; 114 m, Spanish, I./
PA Elizabethtown *88.3 200 h,v; 35 m, E.
College [a, g, United Christiarr Way
PA Marietta WRFH *88.7 3000 h,v; 207 m, d-/
TN Loudon 105.3 3000 h,v; 100 m, Deborah H.
Greenwood [Brent Epperson
TX San Diego 105.9 3000 h,v; 91 m./
UT Richfield 97.5 24600 h,v; 1081 m, R. FM
Partnership [Whistle Broadcasting
WA Dayton 92.5 210 h,v; -143 m, Peanut/
WV West Liberty *91.5 150 h,v; 65 m, WL State
College [m, tm, on air, French
OH Brockville CBOF-7 *102.1 2500 h,v; 101/
PQ Mistassini (not Mistassini Station; this one is
near Dolbeau PQ) 95.3 50000 h,v; e, Cree,
English, French community station
SK Pinehouse Lake 89.9 CKRW-89.9 7-w (h),
ke, relay of Whitehorse YT station, plus 20
hours per week local programming, split
equally between Cree and English

Call Letters Assigned (IL)

AL Talladega 97.5 WSSY-FM (AM is in Evanston/
AK Wasilla 99.7 KMBQ (KNBZ)
AZ Douglas 96.5 KDAP-FM (KOUND)
AZ Williams 96.7 KDAN"-FM" (KDAN-FM; AM
gets new calls)
CA El Cajon 93.3 KECR-FM (KECR)

CA Lancaster 106.3 KGMX (KKZZ), r (AC-
oldies), "KMIX"
CA Pismo Beach 95.3 KWBR (KPGA)
CA Salinas 102.5 KDON (KDON"-FM")
CA South Lake Tahoe 102.9 KZFF (KTHO-FM)
DE Seaford 98.3 WECY-FM (WSUX-FM), mr
(Unis. soft AC) [moved from 103.9
FL Cape Coral 103.7 WAKS (WRCC), having/
FL Orlando 98.9 WEZO (WURG)
GA Buford 102.3 WLKQ-FM (WLKQ)
GA Cairo 102.3 WOBW (WTGQ)
GA Camilla 105.5 WQVE (WOFF)
GA Reidsville 104.1 WRBX
GA Royston 103.7 WPUP (WBIC), rm (from k)
GA St. Mary's 93.5 WAIA (WLKC)
GA St. Simons Island 92.7 WPFI
HI Kahului 99.9 KNUI-FM (KHUI)
IL Rockford *90.5 WNJ
IN Lafayette 96.5 WAZY (WAZY"-FM")
IA Atlantic 103.7 KXKT (KOMJ), "The Cat,"
still i (CHR)
IA Eddyville 101.5 KRAM
KS Dodge City *91.9 KINF-FM (KINF, AM is a
commercial station in Lafayette LA)
KS Downs 94.1 KWNL
KS Emporia 99.5 KGZF
KS Rozel 98.7 KGZE
KY Monticello 93.1 WMKZ
LA Folsom 104.9 KGZC
LA Opelousas 105.9 KVOL-FM (KVOL; AM is in
Lafayette), \$ [WOLF"-FM" (WHUH)
MI Houghton 96.3 (moving from 97.7)/
MI Norway 94.3 WZNL (WNWY), to be b
MI Roscommon 101.1 WGRY-FM (WGRY; AM
is in Grayling), k
MN Benson 93.5 KSCR-FM (KSCR)
MS Greenville 104.7 WYBJ [Jackson
MS Utica 92.9 WJXN-FM (WYCH); AM is in/
MO Campbell 107.5 KKJJ
MO De Soto 100.1 KDJR (KOLS)
MO La Monte 97.1 KOSY
NE North Platte 94.9 KJLT-FM (KSRZ), g, \$, to
return to the air
NV Reno 92.9 KWNJ
NH Newport 101.7 WXXK"-FM" (WNTK-FM),
to 340 m (150 h,v) ["Rebel Radio"
NM Los Alamos 98.5 KRBL (KKBR), r./
NY Bath 98.3 WVIN"-FM" (WVIN-FM; AM gets
new calls)
NY Ogdensburg 98.7 WPFE
NY Rochester 101.3 WRMM-FM (WRMM)
NC Forest City 93.3 WBBO"-FM" (WBBO-FM;
AM gets new calls)
NC Tarboro 104.3 WCAS (WAZO), back on air,
r, \$, ID with Raleigh and various third cities
OH Circleville 107.1 WTTL (WLRO)
OH McConnellsville 100.9 WYBH

OK Locust Grove 100.7 KWOJ
OR Creswell 95.3 KERT (KZAM)
OR Newport *90.5 KGZD
OR Nyssa 98.7 KGZH
PA Avis 99.9 WHUM-FM (WHOE) AM is in
Hughesville; drops multi-city ID
PA Elizabethtown 100.5 WYGL-FM (WLIZ); AM
is in Selinsgrove
PA Lewisburg 96.3 WYBA
PA Radnor Township *89.1 WYBF
PA Sellersville *88.9 WBYO
PA Villanova *89.1 WXVU
SC Charleston 100.7 WSUY
SC Goose Creek 94.3 WUJM (WWHT-FM), "94
Jams" [Cleveland TN)
TN Calhoun 104.1 WCLE-FM (AM is in/
TN Franklin 100.1 WRLT"-FM" (WRLT-FM;
AM in Madison TN gets new calls), r, "Radio
Lightning," eclectic rock
TN Harriman 92.7 WLIQ (WWBR-FM)
TX Beaumont 107.9 KWIC-FM (KWIC)
TX Brownfield 103.9 KLCU (KKTC)
TX Burnet 92.5 KGZG
TX Jefferson 104.5 KJTX
TX Killeen 92.3 KIFX (KPFX)
TX Kingsville 92.7 KNGV (KODK)
TX Paris 107.7 KPLT-FM (KTXU)
TX Wichita Falls 103.3 KWFS (KKQV), o [Idies]
VT Burlington 98.9 WOKO (WOCR), k
VT Canaan 94.1 WKNW (WKQC)
VT Rutland 97.1 WRXT (WRUT), "T-97,"
format unchanged
VA Emporia 99.1 WEVA-FM
VA Rural Retreat 103.1 WYBD
WA Pullman *88.1 KRLF
WI Mayville 98.7 WMVM (WMVW)
WI Sturgeon Bay *90.5 WFFF
WY Greybull 100.3 KZMQ-FM (KZMQ)
BC Sooke-Metchosin (not Metchosin-Sooke)
*105.1 CBU-FM2, c, \$, thought to be
relaying CBU-FM1 *92.1 from Salt Spring
Island (Victoria), rather than directly from
CBU-FM *105.7 Vancouver
NF Deer Lake 95.1 CJDY"-FM" (CKWK-), r,
"Music Radio Network" affiliate, a network
which is on from 6 p.m. to 6 a.m. on stations
across Canada having otherwise varied formats
PQ La Malbaie 105.9 CIHO"-MF"-1
PQ Riviere-du-Gouffre 92.3 CIHO"-MF"-2
SK Ile-La-Crosse 89.9 CILX, re, Music Radio
Network affiliate

Facilities Changes Granted

AZ Oracle KAWV 103.1 900 h,v; 153 m
AZ St. Johns KQZE 95.7 354 m (100000 h,v)
CA Alturas K201BH *88.1 has KUNR 88.7 Reno
NV (from KCHO 91.7 Chico)
CA Chester K257AR 99.3 has KYMX 96.1
Sacramento (from KALF 95.7 Red Bluff)

CA Fresno KNAX 97.9 48000 h,v; 88 m, CP for 50 kw cancelled
 CA Santa Rosa KLVR *91.9 300 h,v; 911 m, mono, on Mt. Saint Helena with KCDS *89.9 Angwin and KBBF *89.1 Santa Rosa. Station burned to "the ground in '88 in one of our disastrous forest fires and rebuilt at the new site."
 CA South Lake Tahoe K212AJ *90.3 has KHAP *89.1 Chico (from KEAR 106.9 San Francisco)
 CA Taft KMYX-FM 103.9 100 m (6000 h,v), \$, mr, on air
 CO Ouray KURA 105.7 3100 h,v (-6 m)
 GA Athens-Atlanta WALR 104.7 off air for 12

WALR 104.7 FM

days, while antenna was remounted on tower to better serve Atlanta, although not a directional station. "The people in Macon [could] hear our station, and they're not supposed to. We [had] to turn the tower more toward Atlanta."

GA Blakely WBBK-FM on 93.1 (from 93.5), k, \$
 GA Crawford WGMG 102.1 6000 h,v (100 m)
 GA Eastman WUFF-FM 92.1 2000 h,v (113 m) (CP for 2400 w is "cancelled") (d-a)
 HI Honolulu KIPO-FM *89.3 3300 h,v (600 m, / IL Rantoul WLTM 96.1 1400 h,v; 145 m
 KS Derby KRZZ 96.3 (from 95.9) 50000 h,v; 150 m, C2
 KS El Dorado KBUZ 99.1 45000 h,v (157 m)
 ME Portland WWGT-FM 97.9 37500 h,v; 173 m
 MA Greenfield WHAI-FM 98.3 1400 h,v; 144 m
 MA Winchendon WINQ 97.7 1900 h,v; 127 m
 MI Gladstone WENL 105.5 6000 h,v; 77 m
 MI Traverse City WLJN-FM *89.9 135 m; 10000 h,v, adding vertical
 MN Alexandria KXRA-FM 92.3 (from 92.7) 13500 h,v; 136 m, C3
 MN St. Cloud KCFB *91.5 800 h,v; 37 m
 MN St. Paul KEEY 102.1 315 m (100000 h,v)
 MO Kansas City KMBR 99.7 308 m (100000 h,v)
 MO Marshfield KTOZ-FM 104.7 (from 104.9) 50000 h,v; 150 m, C2 [v; 593 m
 MT Helena KMTX-FM 105.3 86900 h, 57800/
 MT Kalispell KOFI-FM 103.9 100000 h, 55000 v; 160 m, C1
 NE Lincoln KHAT-FM 106.3 3000 h,v; 65 m
 NJ Fort Lee W276AQ 103.1 has WHTZ 100.3 Newark NJ (from WALK-FM 97.5 Patchogue NY). "What a waste I wonder if Z-100 is paying Turro to run Z-100 on his translators? If so, isn't that illegal?" [No, the primary can pay third parties to run their stations on translators, but that all can change. See separate story below—b.e.]
 NJ Stockton (Delaware Township) WDVR *89.7 3500 vertical only; 92 m, gm, "Christian music, beautiful music," monophonic
 NM Angel Fire KAFR 99.1 is actually eight km south of where I said it was (12-89, p. 1, col. 1); Agua Fria still exists. "Interesting pair of names; agua fria means 'cold water.'"
 NY Deposit WIYN 94.7 800 h,v; 196 m
 NY Oneida WMCR-FM 106.3 1200 h,v; 217 m
 NY Smithtown WCTO 94.3 1200 h,v; 141 m
 OH Troy WTRJ 96.9 96 m (3000 h,v)
 PA Ephrata WIOV 105.1 25000 h,v; 212 m
 PA Williamsport W207-- *89.3 (from W261BZ 100.1)
 SC Cayce WYYS 96.7 4400 h,v (125 m), adds d-a
 SC Chester WDKZ 99.3 6000 h,v; 100 m
 TX Bridgeport KWCS 96.7 69 m; 3000 h,v, adds vertical
 VA Warrenton WMJR 107.7 33000 h,v; 181 m
 WV Romney WJJB 100.1 480 h,v; 251 m [C1
 WI Minocqua WWMH 95.9 100000 h,v; 142 m, /



WI Superior KUWS *91.3 83000 h,v; 197 m, expected on this fall
 NF St. John's CHMR *93.5 has vertical, \$, on 24 hours from Memorial University of Newfoundland
 PQ Natashquan CKNA 98.1 6600 h,v (18 m)

Stereo, or to be Stereo

AL Oxford WKFN 97.9 r, "K-98" (strict), ID with Anniston
 CA Barstow KXXZ 95.9, "Kicks 96 FM," on 24 hours. "This station should be in a major market! Sounds great! Wonder how long it will stay live 24 hours in Barstow!"
 CA George-Victorville KATJ 100.7, k, live, not automated, parallel to KCIN Victorville
 CA Sacramento KYDS *91.5, but on mostly during school hours, with occasional sporting events at night
 CT Hartford WLVH 93.7 still with 24 hour NOAA weather, but may be in pseudo-stereo. Were to have changed by now to a new, unannounced format, but so far the only change is addition of some PSAs to the schedule.
 FL Sebring WCAC 105.5
 IL Coal City WKBM 100.7, r, ID with Wilmington-Braidwood, and "begging for potential advertisers to call 476-5855." A "poor signal" at 45 km.
 IA Northwood KPLW 102.7, km, no nonID
 KY Millerstown WJCR *90.1, g
 LA Belle Chasse KNOK 102.9, ID with New Orleans, "The Breeze," now on with 6000 h,v; 100 m, and "tracks well 48 km out"
 LA Lafayette KRRQ 95.5, s
 NV Reno KSNY 101.7
 NY Frankfort WKLL 94.9 or, classic hits, ID with Utica-Rome, non-strict: "Classic 94.9." If WKLL "is not actually licensed Utica, they make no mention of that in their 'legal' ID at the top of the hour."
 NC Rocky Mount WSAY-FM (AM is in Salem VA) 98.5, k, "Say 98.5 FM"
 RI Narragansett Pier WPJB 102.7
 VT Bennington WHGC 94.3. "Probably the reason people can't get them in stereo is because WHGC gets out badly to the S., E. and N. The only direction that seems good for them is to the NW—the Glens Falls NY area."
 WV Buckhannon WBUC-FM 101.3, k Monophonic (or off air)
 FL Key West WQZN 98.7 off air, remove \$ listing
 FL Miami WDNA *88.9, still mono, "OK as they have a poor transmitter site, down by Homestead (shared with WCIX-6 and WXDJ 95.7)" [\$, format, SCA indication
 IA Ida Grove KIDA 92.9 off air; remove/
 MN Preston KFIL-FM 103.1, remove \$ listing, is mono

Format Changes

Formats are the same as in the "FM Atlas"

"Radio is in the hands of such a lot of fools who try to anesthetize the way that you feel." Elvis Costello, c. 1978 [contemporary
 AZ Show Low KRFM 96.5 m, adult/
 CA Apple Valley KZXY 102.3 r, "Y-102"
 CA Barstow KDUC 94.3 rs, \$, "K-Duck"
 CA Kerman KTA 94.3 k, "Nashville Network," to have come on Apr. 1
 CO Vail KSKE-FM 104.7 o[ldies]

FL Belle Glade WBGF 93.5 o, ID with Pahokee-Clewiston, claiming to use "all CDs." Its music library "can't be too large or deep."
 FL Fort Lauderdale WJQY 106.7 m, still "Joy 107" [toward '40s-'50s ballads
 FL Jupiter WTRU-FM 99.5 m, leaning/
 FL Key Largo WZMQ 103.9 Spanish, rt (AC with heavy news/info in Spanish language). "Sure they're Spanish language, but that is not a format, unless you consider 'English' to also be a 'format'... Was not paying attention to stereo." [age]; still "Key 93"
 FL Key West WKRY 93.5 rj, close to "new/WIIS 107.1 rp, "FM 107." Claims they'll be moving to 92.5, but "did not get to WEOW 92.5 to get their side of the story!"
 FL Melbourne WGGD 102.3 o[ldies]
 FL Port St. Joe WJST 94.5 g
 FL Riviera Beach WOLL 94.3 o, "Oldies 94 (strict)," no ID with West Palm Beach
 GA Atlanta WAPW 99.7 rs, "quite a bit of urban mixed in with the r"
 GA Gordon WYGO-FM 107.1 o [107"
 GA Thomasville WSTT-FM 107.1 k, "South/
 IL Alton KATZ-FM 100.3 sj, "black AC, jazz"
 IL Galena WJOD 107.5 mr, \$, Unis. Special
 IL Morris WUEZ 104.7 o, seeking WCFL call letters and use of WCFL (1000 AM Chicago) jingles, music and promotions
 IL Polo WLLT 107.7 mr, \$, "Easy Lite"
 IN Corydon WGZB-FM 96.5 s
 IA Chariton KELR 105.5 k
 IA Davenport KRVR 106.5 mr, "soft AC"
 IA Jefferson KLSN 98.9 b [Chariton
 IA Lamonika LAL 97.7 k, simulcasting with/
 KY Paris WCOZ 96.7 m, Unis. 41, AC
 LA New Orleans WMXZ 95.7 r, "another soundalike rocker. I can't keep you abreast of format changes in the Deep South Gulf Coast any more—one station sounds pretty much like another, and all of the music has become unbearable. Watch, I repeat, these next few years, as the Baby Boomers grow older, and taper off radio listening. The stations will start scrambling to survive. One thing all this trafficking for FM frequencies has done is driven the price of getting on the air up, so that minority/marginal formats are less viable. To think our beloved FM has come to this!"
 LA Thibodaux KNSU *91.5 (remaining there, not moving to 91.3), 10 watts, r, student rock, on only Mon.-Fri. when school is in session. "Interested in going up to 500 watts, thinking of an NTIA grant."
 ME Bath WIGY 105.9 (and WJTO AM), remove format, \$, as off the air. "It's a financial problem. . . We trimmed expenses to 45 percent in less than 45 days. Unfortunately, the station was not paying for itself, and Maritime Broadcasting felt it was not supporting itself." Under FCC rules, station can stay off for 10 days, but if it doesn't return after that it has 20 days to explain its plans to go back on. "The FCC would likely grant an extension to the license holder." Donald White, former general manager: "I'm sure that sometime in the future we will be running this station. . . Life is a changing thing and we're being missed very strongly by our listeners throughout the state."
 ME Boothbay Harbor WCME 96.7 k, "96.7 Coastal Country," dumping b to become one of three area stations having country
 ME Brewer WKIT-FM 100.3 rp, including all requests noon to 1 p.m. and free-form overnight with Glenn Simpson
 MD Westminster WGRX 100.7 op
 MI Lansing WJIM-FM 97.5 mr, soft AC
 MN Red Wing KWNG 105.9 or, "Classic 106, K-Wing"
 MS Jackson WTYX 94.7 o, "Oldies 94"
 MS Lexington WLTD 106.3 so, R&B oldies
 NE Beatrice ("bee-at-ris")-Lincoln KTGL 92.9 rp, "Eagle 92-9"
 NH Mount Washington WHOM 94.9 mr, more vocals to attract a younger audience; "no

more beautiful music"
 NJ Pleasantville WMID-FM 99.3 or, "Classic Rock Plus" (not strict)
 NJ Trenton WKXW 101.5 o, "New Jersey 101.5" (very strict; no legal ID heard at top of the hour)
 NM Clovis KTQM-FM 99.9 m
 NY Carthage WTOJ 103.1 m, \$, via satellite
 NY Hampton Bays WWHB 107.1 pr, to simulcast with WBAB-FM 102.3 Babylon, creating a "Long Island superstation covering from New York city to Montauk Point"
 NY Potsdam WSNN 99.3 r, "99 Hits FM"
 NY South Bristol WZSH 95.1 m, "very mellow adult contemporary," still "Wish 95" (strict), with an improved signal [92.1], gk
 NC Belhaven WKJA 101.1 (moving from/
 NC Elizabethtown WGQR 105.7 o, "Gold 105."
 "I don't know if stereo or not, as I didn't have it strong enough and no mention of stereo."
 NC Washington WCZ1 98.3 m, "Classy 98.3," ID with Greenville
 NH Haverhill WYKR-FM 101.3 k
 NC High Point WWWW 100.3 o, "B-100"
 ND Wahpeton KGWB 107.1 m
 OH Chillicothe WFCB 94.3 r
 OH Coal Grove WXVK 97.1 m
 OK Bethany KKNT 104.9 tg, CBN talk-news; stereo assumed for any themes or other vestiges of music that may remain
 OR Portland KXL-FM 95.5 mr, Unis. soft AC
 PA Emporium WQKY 99.3 k [country]
 PA Harrisburg WXBB 97.3 r, "B-97.3"
 PA Lewistown WCHX 105.5 r
 SC Dillon WZNS 92.9 k, still "Z-93"
 TN Graysville WAYB 95.7 m
 TN Karns WCKS 93.1 op, classic rock
 TN Lexington WZLT 99.3 m, Drake AC
 TN Maryville WGAP-FM 95.7 k
 TN Nashville WZEZ 92.9 mr, "Lite 93"
 TX Lamesa KOIL 100.3 mr, Unis. soft AC
 VA Cedar Bluff WJHT 107.7 k
 WV Beckley WJLS-FM 99.5 k
 VI Christiansted WAVI 94.3 s
 BC Vancouver CKKS 96.9 m ("lame soft rock"), dropping all jazz, having started as jazz station CJAZ on 92.1
 NF St. John's VOCM-FM 97.5 r, "24 hours rock and top 40" [\$, "K-103"
 ON Hamilton CKLH 102.9 m (from b),
 "That's all the new material now. How much longer till FMA 13?"

On Air (Selected)

CA Barstow K279AA 103.7, but getting KVVQ-FM with a distorted signal
 CA California City K257BZ 99.3
 CA Camarillo K206AK *89.1
 CA McFarland 102.9 still KXEM-FM, not yet using KSUV calls, and still "mono, low power and simulcast of 1590" AM
 CA Montalvo K272CB *102.3, and other Family Radio translators in the area, as shown on the "FM Atlas"
 CA Quincy new *90.5 translator now on carrying KNIS *91.3 Carson City NV, not KCHO 91.7 Chico CA [from 106.3, still b
 CA Santa Margarita KWSP 106.1, having moved/
 CA Victorville K228AJ 93.5, but carrying KFRG in mono
 IA Des Moines KUCB *89.3 not "permanently dark," but with a schedule confined mainly to late afternoons and early evenings with sign off 10 p.m.
 NY Potsdam W280AK 103.9, but "weak"
 NY Richvale W261AB *100.1
 NY Watertown W221AQ 92.1, W285AD 104.9
 OK Stillwater K276CM 103.1 still with KNYD *90.5 Broken Arrow; but expected to carry KVOO-FM 98.5 Tulsa when KNYD's new *91.1 translator is built. "KVOO-FM, a country station, will be able to compete better against the two country FMs from Oklahoma City... KVOO-FM doesn't get into Stillwater with as quiet a stereo signal as the three Tulsa stations that virtually match

most of the OKC stations for strength."
 TN Cookeville WGSQ 94.7, having moved from 94.3; still k, \$ [moved from 91.9
 ON Kingston CFRC-FM *101.9, having/
 ENGLAND "Jazz FM" started March 4, a commercial station in London—also to play blues, some rock. Frequency, call letters, stereo status not announced, but spending £1 million in advertising via TV commercials, cinema ads and posters

Off Air or Not Yet On

CA Bakersfield KTIE 107.1, expected on this month; format rumored to be country
 CA Barstow K221CR *92.1, listed as a CP
 CA Boron K203AK *88.5
 CA Coalinga KNGS 100.1 off again, but said to be building a new Class B facility with no grant yet mentioned by the FCC
 CA Gonzales KPUP-FM, but due on about June 1
 CA Ventura KAGR 107.1
 CA Victorville K202AX *88.3, a CP from 5-87
 FL Marathon WFFF 97.7
 IL Chicago WSSD *88.1, "off for good?"
 WOU *88.9, IL Institute of Technology. Its telephone has an answering machine, "but at least the number's still in existence... has not answered my messages yet, however."
 WBHI *90.7 Bogan HS, "still on?"
 IL De Kalb WDKB 94.9
 IL Glen Ellyn WGHs *88.5 "off for good?"
 IL Lake Forest WMXM *88.9 "still on?"
 IN Gary WOVE *88.7 "never heard—on at all?"
 IN Michigan City WFAJ *89.5 "ever on?"
 IA Sac City KSRG 105.1, "a typically sad-looking NW Iowa town, with few obvious businesses to support a radio station"
 NY Cape Vincent WKGG 102.7
 NY Irondequoit WOSB 106.7
 NY Oswego WPZX 96.7
 NY Syracuse WFNy *90.3
 WV Bridgeport WDCI 104.1
 NF St. John's CBAF-20 *105.9

Deletions

AZ Tsaile KNCC *91.9—calls taken over by Elko NV 91.5
 CA Apple Valley K288DK 105.5
 CA Simi Valley K292CR 106.3
 K296AJ 107.1, neither of these two on; had been licensed
 GA Brunswick WIOI-FM1 100.7 (was to have been a 20-kw booster serving Jacksonville FL, where its main studios were to be). FCC rescinded grant without comment.
 IL Park Forest WRHS *88.1 off air for years; its old phone number has been a residential number for two years, "according to the man I talked to, [says he's] gotten a lot of calls for that station since moving to Park Forest."
 NM Albuquerque K244CX 96.7, this long-silent translator of KHFM 96.3 Albuquerque may still have its license, as FCC records show. "We want to be on that translator, if it is still alive on FCC records." Contact with listed owner Carl Brasher, related to KANW (89.1)'s Michael Brasher, has proven fruitless. Carl Brasher denies being the licensee, even though FCC records show that he is (or was).
 NC Rocky Mount (Warrenton) WVSP *90.9, replaced by new Rocky Mount grant
 TX Pittsburg KRQO 96.9, "application dismissed for extension of time"
 WA Port Angeles K218AP *91.5, most likely because of upgrading of K217AY *91.3 Mount Vernon WA
 OR Eugene KERT-1 95.3

FMistakes, FM Atlas-12

AL Enterprise WKMX is on 106.7, not "100.7," p. 101
 CO Snowmass Village dot misplaced, p. 70; It is 16 km south, "right by Snowmass Peak"
 GA Columbus WCGQ 107.3 coverage should be 72 km (not 71), p. 106
 NC New Bern WTEB *89.3, not "WTNC," p. 145

SCServices, 57, 67 and 92 kHz

Symbols are as in the "FM Atlas"
 CA Los Angeles KKGO 105.1 still tM, 67, but jazz. Because of reception problems and

fidelity limitations of AM, jazz fans are not getting good service from KKJZ 540 AM Hesperia CA. To help solve the problem, "we're currently transmitting our jazz programming from our studios over a 105.1 FM subcarrier, such as is used by Muzak to broadcast into stores and restaurants. By purchasing a 'Jazz Box', which we're selling at our cost of \$150, plugging it into an auxiliary input on your home system and adding an FM antenna, you can receive KKJZ in true FM stereo." If it is true stereo, chances are they're utilizing 92 kHz as well, with one SCA frequency for the left and the other SCA for the right. "If successful, the plan has the side benefit of being able to demonstrate to advertisers that KKJZ, a narrowly targeted station, has active listeners willing to spend money." [also on KFOG 104.5, 92 kHz
 CA San Jose KBAY 100.3 tE, Sinocast, 92 kHz;/
 CA Woodland KSFM 102.5 tE, Sinocast, 92 kHz, serving Sacramento
 GA Atlanta the two area stations testing the 57 kHz RDS system in conjunction with the NAB show were WYAI 104.1 La Grange-Atlanta and WYAY 106.7 Gainesville-Atlanta. These stations find the concept of RDS attractive because of simulcasting on different frequencies, with the signal-seeking radio going to the stronger signal. Cars equipped for test reception enabled drivers to see the alternate frequencies functioning as they traversed different neighborhoods. "New City Broadcasting spends hundreds of thousands of dollars on ads telling listeners to retune for the best possible signal as they travel about the city."
 IL Chicago WNUA 95.5 tE, 92 kHz, Greek. "Please quote on 100 to 200 radios, with tuning blocked so that people cannot get 107.5." Helenic TV-Radio Productions is on WGCI-FM's 92 kHz SCS. [to (from tX)
 SC Anderson WANS-FM 107.3 tC, 67, back/
 UT Salt Lake City—Mainstream Data has lost a major FM-SCS customer with McGraw-Hill folding its electronic news services, McGraw-Hill News and Standard & Poor's News. The marketplace was not there for data customers, although customers reportedly liked FM-SCS delivery. It was "easy to install and reliable." Chinese Opera, talking and other music is alive on FM-SCA, and in addition to the CA stations listed above, Arthur Liu's Sinocast service is on KLLA 99.5 Los Angeles at both 67 and 92 kHz; one is a local service; the other by satellite. It is also on WKQX 101.1 Chicago at 67 kHz. WKQX temporarily has no 92; "The Korean folded, but are negotiating a contract with another Korean company." Sino also is on the 67 kHz of CKFM 99.9 Toronto (Greek is on its 92). "We no longer are afraid of pirates and their SCA receivers, because we buy radios from China for \$20, and they do the job for us. They can be switched from 67 to 92 kHz, and in San Francisco they can get both KBAY and KFOG's SCA." Sinocast is based at 449 Broadway, Fourth floor, New York NY 10012.
 ACCESS U. S. A. Corp., an SCA paging company that parted from Cue-Mobira, reports in. It was started by a trucking company in TX which wanted to get messages to drivers across the South, and now on FM stations in the southeast United States. The paging was so exciting and profitable the company got out of trucking and is in paging exclusively. "We keep the station carriers on all the time. When there is no message, it dumps into never, never land." System employs a scanning FSK system which is an entirely different coding scheme than found at 67 kHz SCA. Consequently, there is no interference between the 57 kHz and any 67 kHz SCS service at the same station. It can be used with the RDS/ARI 57 kHz system recently demonstrated at Atlanta. "We'll be making pagers for RDS," says Phil Lisk, director of operations. While SCA paging might seem like a

way for an FM station to get for free the benefits of RDS, including digital readout of station frequencies on people's receivers, all is not gravy for the broadcaster. "Stations know their competition can do the same thing." Nevertheless, Lisk thinks stations will be forced to go to RDS. Secretly, Blaupunkt is said to be including ARI in every car radio it makes, even though not advertised or used in this country. It is a nonadvertised feature because Blaupunkt fears buyer resistance in paying for a technology that is not presently usable.

Jerry Martin, former president of McMARTIN Industries, and an FMA Atlas customer at the Association of Radio Reading Services convention in May '88 in Omaha NE, convicted of accepting \$15,000 in profits from a marijuana ring in exchange for private stock he owned in McMARTIN. He could face a lock-up of 20 years plus a \$500,000 fine. I remember him as a dark-complexioned, thin, 30-ish, person who had a penchant for tobacco. The company now being run by John Miller, a McMARTIN VP. It was founded by Ray McMARTIN, and forced into bankruptcy in 1986, after which a group of investors bought in, naming Martin as president. Hopefully, the company has reached a turnaround point where it can get on with its business, including taking care of its backlog of orders. Jerry Martin is not to be confused with Larry Martin of Custom Crystal in Omaha; Larry Martin was an engineer with the original McMARTIN firm, and still very much interested in FM/SCA in his own firm, Erko Technologies.

NonIDs, Not Just Slogans

- AL Montgomery WLWI-FM 92.3 I-92 FM
CA Big Bear Lake KTOT 101.7 Mountain Radio
CA Carpinteria KSBL 101.7 K-Lite
CA Ojai KKUR 105.5 Your Station
CA Riverside KWDJ 92.7 DJ-92
CA San Bernardino KOLA 99.9 Cool Gold, but not SMN's "Kool Gold,"
CA San Diego KWLT 94.9 K-Lite (from "Y-95") KTXV 96.5 Y-96
KGB 101.5 no nonID, dropping "95"
CA Santa Ana KYMS 106.3 Eagle 106.3 (strict), still gr [dropping "95"]
CA Ventura KBBY 95.1 no nonID/
CA Victorville KVVQ-FM Q-103, simulcast with AM in Hesperia [y Dos ("92")]
FL Hialeah-Miami WCMQ-FM 92.3 FM Noventa/ FL Marathon WAVK 106.3 The Wave
FL Plantation Key WCTH 100.3 Ketch FM ("some kind of boat"), from "Catch FM"
FL Tampa WFLZ 93.3 93 Power Pig [103"]
IA Clear Lake KZEV 103.1 Z-103 (from "Rock/ MI Ann Arbor WUOM *91.7, Flint WFUM *91.1, Grand Rapids WVGR *104.1 Listener-Supported Michigan Radio (not "Michigan Public Radio"—"Michigan" in the sense of "University of Michigan")
MN La Crescent-La Crosse (WI) KQEG 102.7 no nonID, spraying DDT on "The Eagle," \$, r
MO Springfield KKHT 98.7 All Hit 99
NC Burlington WZZU 93.9 Rock 93-9 (from "U-93.9")
NC Edenton WBXB 100.1 B-100, still k
NC Wilmington WMFD-FM 97.3 Easy 97-3
OH Chillicothe WFCB 94.3 B-94-FM
OH Ottawa WQTL 106.3 Power 106
PA Renovov WMHU 93.1 "WHUM," simulcast with WHUM-FM Avis and AM
SC Lake City WQTR 100.1 Q-100, still k
SC Spartanburg WSPA-FM 98.9 98.9 FM (from "FM-99") [Jams, still s]
VA Norfolk WOWI 102.9 The New 103/
ON Thunder Bay CJSJ 94.3 94-FM or Hot FM
BJ Tijuana XHKY 94.5 Y-94

Multi-City IDs in Use

- AL Enterprise WDJR 96.9 with Dothan
FL Rock Harbor WKLG 102.1 with Homestead, "K Country 102.1"
IA Clarinda KMA-FM 106.1 with Fairfax MO, where its studios or offices are. Area trans-

lators for KMA-FM seem to be off the air. MN Collegeville KSJR *90.1 with St. Joseph (but not at all breaks)

AM Happenings Most Likely Caused by FM

CA Bakersfield KGE0 1230 AM stereo "dropped live jocks (except AM drive) for satellite rock oldies" [on door: "Closed, off the air." CA Lemoore KJOP 1240 silent. Note/ [intact" CA Santa Barbara KBBQ 990 silent, "studios still/ KESP 1290 silent. "Letter on door dated 12-23-89 says went off due to no cash flow and may return with new owners. Apologies to listeners for going off." CA Santa Monica KDAY 1580 said to be up for sale at \$10 million, now facing competition from KKBT 92.3 Los Angeles in the soul/urban format. Rumor that KKBT's owners, Evergreen Media Corp., will buy the AM station. KDAY has a 50 kw signal, "but is limited in its potential as a ratings-getter because it is on the AM band." IL Urbana WBSP 1580 back on air with black AC (had been silent as WJTX) MA Framingham WKOX 1190 goes to satellite programming, costing two fulltime and two parttime people their jobs MI Clare WABX 990 "silent pending sale" NV Reno KRCV 1340 silent NY Brockport WASS 1590, "Dark again, perhaps for good this time." NY Rochester 990 becomes WRMM (had been WEZO), dumping its "Hits of the '40s, '50s and '60s" to simulcast WRMM-FM. "Thus a station which was once country giant WNYR becomes relegated to a tiny "and 990 AM" underneath the "Warm-101.3 FM" logo. The hits of the '40s, '50s and '60s, meanwhile, move to WBBF 950, which dumps its country oldies. And Paul Harvey migrates up the dial from 990 to WHAM 1180... If AM 990 had been wise, they might have kept the historically relevant WEZO calls and taken over the b format—or perhaps b is at long last dead in the Rochester market." OH Canton WBXT 900 silent; had been [urban TN Knoxville WKGN 1340 silent; had been/ TN Nashville WENO 760 being bought by Trevecca Nazarene College, operators of WNAZ *89.1 there; the daytime AMer will feature inspirational/MOR music. TX Kingsville KINE 1330 silent; had been country, Spanish WA Seattle KZOK AM 1590 drops KQUL "Cool" oldies format to adopt "Z-Rock," as AM adjunct to KZOK-FM 102.5 BJ Tijuana (San Diego CA) XEKAM 950 was off the air, having been the flagship station of the Financial Business Network, which folded. "FBN's failure leaves Business Radio Network (BRN) and Money Radio as the two remaining full-time business news/feature program sources." Now back on with CHR, Spanish music.

FM Rulemakings Proposed

First date below is deadline for filing comments at the FCC; second date is for replies. Stations affected, if any, are listed before the dates. AR Lake Village 103.5A, May 3, 18
CA Long Beach KSKQ-FM 97.9 move to East Los Angeles, Apr. 16, May 5
CA Madera KXMX 92.1 move to Clovis CA, Apr. 16, May 1 [dates not given
FL Crestview 104.7C1 from C2, WAAZ, / IA Mount Pleasant 105.5C3 from A, KILJ-FM, May 3, 18 [27, May 14
IA Red Oak 95.3C2 from A, KOAK-FM, Apr. / KS Emporia 101.7C2 from A, KEGS, Apr. 20, May 7 ["show cause/why not?"
KS FortScott 104.7A from 101.7A, KVCV, / KS Independence 102.9A from 101.7A, KIND-FM, "show cause/why not?"
LA De Ridder 92.1C2 from A, KROK, May 4, 21
LA Sulphur 100.9C3 from A, KTQQ, Apr. 27, May 14 [Apr. 27, May 14
LA West Monroe 98.3C1 from C2, KYEA, / MO Osage Beach 93.5C3 from A, KYLC, Apr.

- 20, May 7 [Apr. 20, May 7
MO Warsaw 98.5A from 93.7A, / [May 14
NE Falls City 101.3A from 95.3A, Apr. 27, /
NM Taos 101.7C1 from C2, KTAO, May 3, 18
NC Fair Bluff 107.7A from 105.3A, with Jacksonville [WMSQ counterproposal
NC Havelock 105.1C2 for 104.9A, /
NC Hertford 104.9C2 from A, WKJE counterproposal [WXQR counterproposal
NC Jacksonville 105.3C2 for 105.5A, /
NC Longwood 95.3A, counterproposal
NC Shallotte 98.3C3, counterproposal
94.5C3 for 93.5A, WDZD counterproposal
NC Wilmington 104.5A for 105.3A, with Jacksonville
OH West Liberty 104.3A, May 3, 18
OK Healdton 93.7C2 from 105.7C2, "show cause/why not?" [16, May 1
OK Ketchum 107.5C1 from C2, KGND, Apr. /
SC Backport 107.9A counterproposal
SC Darlington 105.5C3 for 105.5A, Wdar-FM counterproposal [Surfside Beach
SC Johnsonville 107.9A for 105.1A, with / SC Loris (new CP) 94.9A for 105.9A with North Myrtle Beach [with Shallotte NC
SC Murrells Inlet (new CP) 107.9A from 94.5A, / SC North Myrtle Beach 105.9C3 for 105.5A, WNMB counterproposal [side Beach
SC Scranton 105.1A from 102.9A with Surf- / SC St. Stephen 106.1A from 105.9A, with North Myrtle Beach
SC Stallville 106.3A, counterproposal
SC Surfside Beach 103.1C2 from A, WYAK-FM counterproposal
TX Benbrook 105.7C, May 3, 18 [May 14
TX Greenville 93.5C2 from A, KIKT, Apr. 27, /
TX Jacksboro 101.7A from 105.7A, May 3, 18
TX Stephenville delete 105.7C1, KSTV-FM, with Benbrook [KLHA, May 3, 18
TX Wichita Falls 105.3C or 105.5C from A, / VA Coeburn 99.7C3 from A, WZQK, May 4, 21
VA McCleary 96.9C3, Apr. 27, May 14
VA Mechanicsville 92.1B1 at Bon Air from 92.7A, Apr. 20, May 7
WI Portage 95.9A, Apr. 27, May 14
WI Stevens Point 104.9C3 from A, WMGU, Apr. 27, May 14

FM Rulemakings Finalized

Dates are when FCC filing windows are open
CA Lompoc 104.9A, Apr. 20-May 20
GA Bolingbroke 102.1A, Apr. 30-May 30
GA Douglas 92.5A, Apr. 10-May 10
GA Harlem 95.1A, Apr. 23-May 23
GA Hinesville 92.3C2 from 92.1A, WXLQ
GA Unadilla 103.5A, Apr. 30-May 30
GA Warner Robins 102.5A, Apr. 30-May 30
IL Newton 103.5A from 106.9A
IL Seneca 95.7A, Apr. 17-May 17
IL Streator 106.1A, Apr. 17-May 17
IL Sullivan WSAK 106.7B1 for 106.3A
IA Creston KITR 101.3C3 from 101.7A
IA Spirit Lake 103.9C2 from A, KUOO
KY Paris WCOZ 96.9C2 for 96.7A, WCOZ
LA Shreveport 99.7C1 from 100.1A, KMJJ-FM
MI Bridgman 97.5A, Apr. 10-May 10
MI Caro 94.1A for 104.9A, WIDL
MN Rochester 101.7C2 for A, KRCH
MN Rushford 99.3A, Apr. 13-May 14
MN Winona 101.1A, Apr. 13-May 14
MO Carthage 95.1C2 from 97.9A, KRGG
MO Webb City 97.9A from 95.1A, KLLL-FM
MT Red Lodge 99.3C from 99.5C1, KAFM
NY Conklin 100.5A, Apr. 13-May 14
NY Endwell 107.5A, Apr. 16-May 16
NY Southport 99.5A, Apr. 16-May 16
OK Marlow 92.1C1 from C2, KFXI
PA Port Matilda 107.9A, Apr. 10-May 10
SC Myrtle Beach 92.1C2 from A, WJYR
SD Huron 105.1A, Apr. 24-May 24
KURO 99.1C1 from 92.1A
SD Rapid City 104.1C1 for 104.3C, KTOQ
SD Salem 100.5C2 from C1, KSML
SD Sioux Falls KCF5 *98.3 from 100.1A
TN Madisonville 99.5A, Apr. 20-May 20
TX Coalmont 104.7A, Apr. 10-May 10
TX Dublin 104.9C3, Apr. 10-May 10

operating on behalf of a station in an "extended service" area.

- Multiple translators in one city owned by the same third party—a translator "consortium"—could legally spring up. Twenty-four daily 30-second commercials on each translator serving a major market could be sold to advertisers as a group buy.

- Existing translators may enjoy "grandfathered" privileges, whereby continued support by the primaries may be permitted. If so, there would be advantages in retaining such translators; or even buying translators known to be off the air, but still having an FCC license or construction permit.

- Translator licensees could benefit from subcarriers present on the main station; selling advertising on the SCA, receivers, or rentals of receivers. Indeed, a translator might be able to persuade a station to embrace an SCA as inducement for its signal to be carried into a nearby larger market.

Bill Sanders, KICD-FM 107.7 Spencer IA, and Chairman of the NAB Radio Board, said he was pleased with the FCC's action. "NAB commends proposed limits on technical interference, translator geographic location, and financial support by stations being rebroadcast." Sanders' own station has no translators relaying it.

In checking Omaha NE, just as an example, I found six probable frequencies on which 1000-watt FM translators could be established.

AL Station Seeks Migration to Atlanta; Other Such Moves Possible?

WHMA-FM 100.5 has sought a move of about 100 km from Anniston AL to Sandy Springs GA (Atlanta metro area) for its city of license. Involved in the complex process would be the allotment of 100.1C3 to Anniston and 100.7A to Lineville AL. Tom Gammon, Emerald Broadcasting, said his firm would also apply for the new Anniston and Lineville stations. If approved, this would be a radical change in FCC allocations rules. Gammon noted that "only about 10 or 15 stations in the top 200 markets can qualify from a technical standpoint for a move like this." That may be true, in that Class A channels can be placed in and near the departed city, but if you look just at the stations in nearby cities, I see many opportunities for lost service to smaller towns and increased service to larger cities.

A quick check of Minneapolis shows KFAM-FM could probably move from St. Cloud to Anoka MN (transmitter at Nowthen Township, site of WCTS *100.3 Minneapolis and KQQL 107.9 Anoka); it would then serve the Twin Cities with a 70 dBu (3.16 mV/m) signal, but St. Cloud would lose such an intensity and

be reduced to a 1 mV/m signal. Another channel, 96.3C1, could most likely be moved from Rice Lake WI to Watertown MN, a western Twin Cities suburb. This would give it a 70 dBu signal over the Twin Cities, while protecting nearby stations WLXK 95.9 Forest Lake MN and KQQL 95.9 Faribault MN.

Another winner is Philadelphia, where WHXT 99.9 apparently could move from Easton. Those are only two markets I studied; gainers would be middle to large markets having fewer than 20 commercial FM stations. The largest markets—your Chicagos and New Yorks—already have their maximum of full-service stations across the dial. Or what's to stop one station in an outlying market from buying two or three area stations, taking them off the air, and moving into the larger market?

Other Small-Print Happenings and FM Industry News

The FCC's three-year anti-trafficking rule may be brought back, thanks to Sen. Al Gore's introduction of legislation to force owners to hold onto radio and TV stations longer. Its goal is to end speculative trading which has brought up station prices, especially on FM, and brought about a "sameness" in programming. The NAB charges that the lack of a rule on how long an owner may hold a station before selling has caused no decrease in public affairs programming. Rule or no rule, there has lately been more stabilization in the sales prices of broadcast properties.

Short-range FM radio is on the build in the U.S., despite FCC approval or nonapproval. Stores set up low-power FM transmitters and broadcast to their parking lots. In Florida, banks with drive-up tellers broadcast information about current interest rates or loans, giving customers something to listen to while in line. Midwest grocery stores have soft-drink advertising along with store specials, while in La Crosse WI the Excellence movie chain encourages drivers to pull into their parking lot to tune into "WAKY Radio" and enter a movie trivia contest. Listeners guess the answer to claim movie passes, and they also learn about show times. Hoberg Communications of Minot ND bought Drive-By Radio, converting it from AM to FM, and has been marketing it to everyone from nursery schools to shopping malls. There are said to be 4000 such low-power FM stations on-air around the country. "In many cases, radio stations buy transmitters in quantity and offer them as added incentives to sponsors. Then the sponsor can urge potential customers to drive by and listen to the sponsor's own broadcast message." I see the main value in this for businesses regularly having waiting lines, such as drive-in banks, or for grocery store pick-ups (except that for that time, you're about to leave the area and probably no longer interested in what the grocery store is pitching).

"Dewayne Readus is black, blind, broke and lives in a squalid public housing project just up the street from Abe Lincoln's old home in Springfield IL. There's one more thing you ought to know about Dewayne; he may be on the verge of creating a revolution in radio media in America," begins a letter from Mike Townsend, associate professor, Sangamon State University. Readus' "WTRA" is on 107.1, serving only the Hay Homes federal housing project (January, p. 6, col. 1). "Readus is refusing to cooperate with the legal proceedings



Readus

against him unless the court appoints an attorney of his choice. Since the court doesn't appear likely to do this, Readus could be jailed. If this happens, we plan to ask that he be declared a political prisoner by Amnesty International "enemies" are the FCC and the U.S. government.

The goals Townsend has for Readus: 1) Challenging FCC regulations to permit licensing of low-watt radio stations (or, better yet, their exemption from licensing). "Let's extend the benefits of 'deregulation' to low-income citizens. It appears that the FCC's authority in this matter is based on case law that is nearly 50 years old and has not been challenged from a civil rights perspective." 2) Financing and training for the development of "hundreds of stations like WTRA all over the country. We have already heard from grassroots people in Birmingham, Omaha and Long Beach who want to start a station like Dewayne's." Finally, "If you know of a legal or media advocacy group that is looking for a test case to break the stranglehold of the FCC over the low-income black community across the nation then please contact us as soon as possible." Townsend can be reached at the Child, Family and Community Services Program, Sangamon State University, Springfield IL 62794-9243. Readus can be reached care of 333 N. 12th St., Springfield IL 62702; (217) 527-1283. Hmmm. Looks like Readus-type stations and supermarkets might be on a collision course.

Adventist World Radio, with shortwave station KSDA on Guam, is expanding to FM, via a 3-kw mountain top transmitter with coverage of all of Guam expected, as well as Rota, Tinian and Saipan. Seems shortwave completely skips over the local area. Programming will be in English and various other languages from studios in Agat, Guam. Of the \$155,000 needed for the project, \$115,000 has already been pledged.

Losing a round with the state Human Relations Commission—WHFS 99.1 Annapolis MD, which acted in a "discriminatory" manner in taking DJ Damian Einstein off his regular midday air shift. Einstein has a speech defect resulting from a car accident in 1975. This is a step which could result in his reinstatement on the air, or lay the groundwork for a lawsuit. He had worked at the station since 1970, with commission finding no negative listener comments about Einstein's speech. The NAB advises that managers should be aware that when they make programming decisions, they need to be careful not to violate the rights of their employees.

FM/SCMO wide open in Canada. The CRTC found no reason to make SCMO receivers unavailable to the public, denying Standard Sound Services' request that SCMO be considered private and legally received only with the express permission of the originator. It was concerned that if the general public is allowed to receive SCMO, the background music industry will be placed in jeopardy. However, "the Commission notes that this would be a major departure from the manner in which SCMO transmissions are currently treated and would work to the detriment of SCMO providers desiring wide exposure." Those who want subcarriers (SCMO) to be private are permitted to scramble their signals, and the rules also provide for collecting of subscribing fees. "The Commission considers that the guidelines in this regard are adequate and do not require modification."

For the third time, the FCC has thrown out Radio New Jersey's plan for an FM2 band. In dismissing the proposal to give 50-54 mhz to FM (from amateur radio), the FCC said that Laurence Tighe, Jr. "has not provided a satisfactory demonstration that amateur operations at 50-54 mhz could be accommodated elsewhere in the spectrum, or that broadcast operations in this band would not cause interference to international amateur communications."

From the classifieds: KCBI-FM *90.9 Dallas seeking music director. Must relate to "conservative" adult audience. Mark Johnson, (817) 792-3800.

Public affairs director, KSER *90.7 Everett WA, college degree, two year's experience, strong interviewing/production skills, \$18,000-\$20,000. Letter, resume and five work-related references to Nancy Keith, Manager, 27 Colby, No. 712, Everett WA 98201. KSER is ready to soon come on.

Station manager KZUM, 941 O Street, Ste. 1025, Lincoln NE 68508; \$15,000 (+) salary. Until next month, *[Signature]*

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A NEWSLETTER OF FACT AND OPINION ABOUT
FM RADIO AND RELATED TECHNOLOGIES—
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New FM Station, Translator Grants

AK Seward *88.1 49 watts h,v; -452 m, Puffin Public Bcstg.—see also "Deletions"
AK Soldotna 96.5 10000 h,v; 79 m, Gold Nugget Broadcasting
AZ Flagstaff K261AF 100.1 (KQST 102.9 Sedona), back on air, but heard best in Camp Verde area. There is also a KQST translator on air on 100.1 in Flagstaff, but that is to be displaced by the new Flagstaff 100.1C3.
AR Beebe 101.5 3000 h,v; 100 m, Judy Davis and B. J. Faith
CA Ione *88.3 2000 watts vertical only, 40 m, to be g, Family Stations, Inc.
CA North Highlands (Sacramento) *89.3 1000 watts vertical only; 127 m, g, Family Stations, Inc.
CA Sacramento *88.9 50000 h,v; 150 m, d-a, tj formats, CA State U.—Sacramento, to complement KXPR *90.9
*89.7 300 watts vertical only; 27 m, Schools—same licensee as KYDS *91.5 -
CA San Luis Obispo 97.1 25000 h,v; 100 m, Clamshell Communications [Turgetto
CA Sutter Creek 101.7 1230h,v; 157 m, Susan/
DE Fenwick Island 92.1 3000 h,v; 100 m, grant reversal in favor of Collis Bcstg. System
FL Marco 92.7 3000 h,v; 100 m, Emerald Sea Bcstg. (previous grant rescinded by FCC)
FL Mayo WGSF *89.5 2500 h, 25000 v, 76 m, True Concepts of Levy County [III Bcstg.
FL Panama City 105.1 50000 h,v; 115 m, Ladies/
GA Dock Junction (Brunswick) 105.9 3000 h,v; 100 m, Lorraine M. Wiggins
GA Mableton 102.5 3000 h,v; 100 m, Bolton Bcstg.; WGHR *102.5 Marietta to change frequencies or delete [R. Warrenton
GA Warrenton 93.1 3000 h,v; 100 m./
HI Kawaihae 106.9 300 h,v; 307 m, Triad Bcstg.
ID Gooding 101.3 3000 h,v; 41 m, Greater Phil Bcstg. [Iege Place WA), on air
ID Moscow K237CO *95.3 (KGTS 91.3 Col-/
IL Dwight 98.9 3000 h,v; 100 m, Barden Bcstg.
IL Woodlawn (Mount Vernon) 106.9 3000 h,v; 100 m, Volunteer Bcstg. of IL [H. Walters
IN Cannelton 102.9 3000 h,v; 100 m, Bayard/
IA Winterset 99.5 (not 95.7 as announced by FCC) 3000 h,v; 100 m, AFM Associates
KY Louisa 92.3 3000 h,v; 100 m, L. Communications
KY Radcliff 103.5 3000 h,v; 100 m, W & B Bcstg.
LA Alexandria 93.9 3000 h,v; 100 m, FM Bcstg. Corp. [Innovative Women's Media Assn.
LA Shreveport 102.9 50000 h,v; 150 m./
ME Winslow WJBI-FM 95.3 3000 h,v; 93 m, J. A. Bulmer (AM is in Batesville MS)
MI Pentwater 94.1 3000 h,v; 100 m, C & S Bcstg.

MI Vandalia (between Three Rivers and Dowagiac) *89.5 100 watts h,v; 30 m, V. Educ. Bcstg., Inc. [Contemporary Bcstg.
MO Huntsville (Moberly) 92.5 6000 h,v; 100 m./
MO Osceola 92.3 3000 h,v; 83 m, Valkyrie Bcstg.
NH Keene W211- *90.1 (WEVO 89.1 Concord), with Mark Handley taking the reins as WEVO general manager, having moved from WSCL *89.5 Salisbury MD [Radio Partners
NM Albuquerque 101.3 2000 h,v; 122 m, FM/
NM Espanola *91.1 110 h,v; 9 m, Northern NM Community College (see also "Deletions")
NY Delhi 100.3 630 h,v; 210 m, Delaware County Bcstg. Corp. [matt Bcstg.
NY Warrensburg 100.5 190 h,v; 400 m, Kara/
NC Kinston WELS-FM 102.9 3000 h,v; 100 m, Farmers Bcstg. Svcs. [Continental Bcstg.
ND Langdon KVLR 95.7 3000 h,v; 100 m./
ND Sleses 105.9 100000 h,v; 302 m, Timothy D. Martz [3000 h,v; 100 m, Dickey Bcstg.
OH Delta 106.5/[Pearl Castillo Creech & Assoc.
OK Holdenville 106.5 3000 h,v; 100 m, M./
OK Lawton 95.3 3000 h,v; 92 m, the Fritschs; KMGZ moves to 99.5
OK Moore *88.1 20000 vertical only; 180 m, Creative Educ. Media Corp.
OR Florence K265AB 100.9 (KMGF 94.5 Eugene translator) [Boyertown station)
PA Reading WYCL-1 107.5 11-wbooster of/
SD Watertown KSDR-FM 92.9 100000 h,v; 299 m, Lake Region Bcstg. Co.
TN Jellico 102.7 650 h,v; 211 m, Janice Faye Surber [D. Clenney
TN Parsons 97.3 3000 h,v; 100 m, Ralph/
TN Rogersville WJDT 106.5 1000 h,v; 164 m, C & S Bcstg. (see also "Facilities")
TX Huntsville 103.5 1600 h,v; 139 m, Oara, Inc.
TX Los Ybanez (32-43-45; 101-58.15, near Lamesa) 107.9 50000 h,v; 140 m, Israel Ybanez [89.3 Humble)
TX Sugar Land k 201BT *88.1 (KSBJ/
PR Naguabo 92.8 3000 h,v; 149 m, Efrain Archilla-Diez
NB Edumndston CFAI 92.7 10800 h,v; 55 m, French, \$, Coop des Montagens Hee
PQ Camp LG 1 (James Bay area) CBF- *93.9, 290 h, Club Social La Grande, not certain if it is a relay via satellite of CBF AM or CBF-FM Montreal
CKAC- 95.9 290 h, receiving its signal via satellite from Montreal AM station Denial
ON Thunder Bay 105.3 two bids, each proposing country music NewCap Broadcasting (CJLB AM) failed to provide the necessary programming and financial information, while Stephen Bell had not adequately documented his financing.

Call Letters Assigned

AL Winfield 105.9 WXZX-FM [AZ)
AZ Claypool 105.5 KIKO-FM (AM is in Miami/
AR Barling 94.5 KOLX (KPHN)
AR Dermott 103.1 KXSA-FM (KXSA)
AR Harrison 102.9 KHOZ-FM (KWNQ)
AR Jacksonville 100.3 KEZQ-FM (KEZQ-FM; AM in North Little Rock gets new calls)
AR Lonoke 106.3 KMZX (KWTD), "Mix-106"
AR Russellville 100.9 KCJC (KAIO)
AR Sheridan 102.3 KXIX (KQLV)
AR Texarkana 106.3 KUKB
AR Trumann 106.7 KWEZ (KIHV)
CA Fresno 95.7 KJFX (KYNO-FM), or, classic rock, "The Fox"
CA Garberville 104.7 KBEY
CA Hanford 107.5 KZZF (KZRZ), "Z-Rock." KZRZ 103.7 had reportedly served a restraining order, claiming confusion and trademark infringement over the call similarity.
CA Palm Desert *91.7 KHCS (KYRH)
CA Paradise 92.7 KCHH (KRIJ), r, CHR
FL Goulds 98.3 WRTO (WAQI-FM)
FL Mexico Beach 99.3 WLPC (WMQA)
FL Quincy 101.5 WFHT (WIFI)
FL Solana 105.3 WMMY (WHLC)
GA Greensboro 103.9 WDDK (WGRG)
HI Pearl City 101.9 KUKC
IL Morris 104.7 WCFL (WUEZ-FM), "Super CFL," now o, but from 4-13 to 4-16 played only a tape loop of *Louie Louie*. Plays hits of the '60s to '70s. Facilities change to 50000 h,v; 150 m, d-a, with the new tower expected by June, which station officials claim will enable it to "reach the entire Chicago metropolitan area." It "IDs at :57 as WCFL Morris-Chicago. No news, weather once an hour. Just music, jingles, time checks. Really doesn't serve the area. It's mainly agricultural in Grundy County. Local competition is 100.7 WKBM Coal City, 105.5 WDWD Wilmington."
IL Nashville 104.7 WQHC
IN Fort Wayne *89.1 WBNI-FM (WBNI); AM is a commercial station in Roanoke VA
IA Bettendorf 93.5 KGLR (KBQC-FM)
KS Hutchinson 97.1 KIUS (KQHK)
KS Scott City 94.5 KSKL (KEZU)
KY Jenkins 94.3 WIFX-FM (WIFX-FM; AM gets new calls)
KY Williamsburg 104.3 WEZJ-FM
LA Berwick 105.9 KVPO
LA Haynesville 105.5 KWNN-FM (KLVU-FM); AM is in Fort Smith AR
LA Tioga 103.5 KLLA (KISY)
ME Kennebunkport 104.7 WXPT
MI DeWitt 96.5 WQHH

MI Muskegon Heights 101.7 WQFN (WQWQ), r, AC days but harder rock PM drive and evenings, "Fun 101.7" (not strict), still \$. "The WQWQ calls and 'b' format are moved to 1520 AM (displacing WKJR and its religious format, which are now extinct)"



MN St. Louis Park 104.1 KJJO-FM (KJJO), "FM-104" (strict), from "104 FM," still rp (album rock)

MS Iuka 104.9 WFXO (WTIB), rp, "The Fox"

MS Jackson *91.3 WMPN-FM (WMAA-FM)

MS Monticello 102.1 WRQO

MS Wiggins 97.9 WOTC (WPHF)

MO Chaffee 104.7 KYRX (KZRX)

MO Warrenton 99.9 KFAV

NE Kearney 98.9 KKPR-FM (KKPR), o[ldies]

NE Omaha 105.9 KUKF

NH Campton 105.7 WVFM

NH Nashua *88.3 WJCF

NJ Freehold Township *89.7 WQHF

NM White Rock 101.1 KNLA (KKBZ), o, SMN

NY Clifton Park 96.7 WVKZ-FM (WVKZ"-FM") [given WVEH]

NY East Hampton 96.7 no calls (had been/)

NY Fort Plain 101.1 WLKO

NY Irondequoit 106.7 WQHJ (WOSB)

NY Mount Hope *90.1 WEXX

NY Olean 100.9 WMXO (WBJZ)

NC Kinston 97.7 WFTC (WKCP)

NC Statesville 96.9 WTDR (WLVK), "Thunder 96.9," still k

NC Windsor 97.7 WURB (WJJB)

ND Bismarck 98.7 KVPH (not KVPC, which is in San Joaquin CA, 105.5)

OH Belpre *91.7 WQHD

OH Cincinnati 105.1 WUBE-FM (WUBE)

OH Crooksville 107.3 WYBZ (WRJI)

OH Lorain *89.1 WZNZ

OH Union City 97.5 WBNN (WFOV)

OK Bethany 104.9 KNTL (KKNT)

OR Toledo 107.1 KZUS (KTDO-FM), k

PA Elizabethtown *88.3 WQHE

PA Huntingdon 106.3 WQHG

PA Lewisburg 96.3 WUNS (WYBA)

SC Andrews 100.9 WGTN-FM (WQSC); AM is in Georgetown SC

SC Marion 100.5 WQTI

SC St. Stephen 105.9 WTUA

SD Sioux Falls 101.9 KTWB

TN Loudon 105.3 WJDG

TN Morristown 95.9 WMXK (WAZI)

TN Rockwood 105.7 WOFE-FM

TX Amarillo 101.9 KATP (KESE)

TX Beeville 97.9 KYTX (KHBX)

TX Caldwell 95.1 KHEN (KJIB; KJIB is in South Padre Island TX, 92.7)

TX Giddings 101.5 KOKE (KGID), g (country gospel, \$, back on, but on 101.7 temporarily as "K-102") [rm, "Key 92"]

TX Marlin 92.9 KEYR (KRXX),/

TX San Diego 105.9 KUKA

TX Tyler 104.1 KTMJ (KGKB)

UT Ogden 97.9 KBZN (KKWY)

UT Richfield 97.5 KYAY

VA Culpeper *89.9 WPAV (WCFL)

VA Narrows 101.3 WNRV-FM (WNRV)

VA Newport News 97.3 WGH"-FM" (WGH-FM; AM gets new calls)

WA Dayton 92.5 KZHR

WA Pasco 101.3 KUKE [gets new calls]

WV Beckley 103.7 WCIR"-FM" (WCIR-FM; AM/)

WV West Liberty *91.5 WGLZ

WI Columbus 100.5 WYKY (WWAM)

WI Sturgeon Bay 97.7 WFNL (WDCW)

NS Yarmouth 104.1 CIFA, \$[tereo]

ON Kingston *101.9 CFRC"-FM" (CFRC-FM) now \$, pc, plus jazz, French, etc. On from 5:30 p.m. to 2 a.m. Monday through Friday and 8 a.m. to 2 a.m. Saturdays and Sundays. "They have moved their transmitter site to Highway 401 and 15, about 8 km from campus, on the Contel Tower. . . even heard in Syracuse, but generally limited to an 80-km radius. With the better coverage and longer hours they closed down the old AM station on 1490 at 100 watts going into a long wire dipole on the campus."



Facilities Changes Granted

AL Jasper WZBQ-FM 102.5 78500 h,v (640 m)

AL Linden WNPT-FM 102.9 40000 h,v; 168 m, C2

AL Reform WTID 101.7 23400 h,v; 222 m, C2

AK Fairbanks KIAK-FM 102.5 26300 h,v; 496 m

AZ Camp Verde K280DB 103.9 has KSLX 100.7 Scottsdale, not KDKB 93.3 Mesa

AZ Duncan K208BT *89.5 (from K209AS 89.7)

AZ Flagstaff K280BU 103.9 has KSLX 100.7 Scottsdale, not KAWV 103.1 Oracle

K296DB 107.1 (South Flagstaff area) has KOOL-FM 94.5 Phoenix, not KRIM 104.3 Payson; in north Flagstaff area was heard a 104.9 translator with KOOL-FM on it, which I assume to be K285AC 104.9 Camp Verde

AZ Phoenix K208BW *89.5 (from K288BT 105.5); temporary frequency until new *89.5 Phoenix is built; on 105.5 there is heard KFAS-FM Casa Grande AZ

AR Fairfield Bay KFFB 106.1 15600 h,v; 268 m

AR Fayetteville KKIX 103.9 100000 h,v; 147 m, C1

CA Kingsburg KJET 106.3 3300 h,v; 133 m

FL Lakeland WYFO *91.9 10000 h,v; 91 m, adding horizontal polarization [d-a]

FL Miami Beach WZTA 94.9 100000h,v (306 m, /

FL Micanopy WLCL 97.7 2600 h,v (151 m)

FL Sarasota WHVE 102.5 503 m (100000 h,v)

GA Rockmart WTSH-FM 107.1 45000 h,v; 158 m [m, C2

GA Statesboro WMCD 100.1 50000 h,v; 90/

ID Hayden KMWC 94.5 230 h,v; 470 m

IL Le Roy WMLA 104.1 (from 92.7) 25000 h,v; 100 m, B1 [h,v; 112 m, d-a, B1

IL Urbana WKIO 92.5 (from 103.9) 20000/

IN Columbus WWWY 104.9 6000 h,v (91 m)

IN Linton WQTY 93.3 (from 93.5) 12000 h,v; 145 m, B1 [000 h,v; 241 m, C1

IA Mason City KNIQ 93.9 (from 93.5) 100-/

IA Northwood KPLW 102.7 6000 h,v (97 m).

KPLW FM 102.7
NORTHWOOD BROADCASTING CO., Inc.
 839 1/2 Central Ave., Northwood, Ia. 50459

"The land is quite flat here and we do quite

well at an 80-km radius."

KS Eureka KOTE 93.5 100 m (3000 h,v)

LA Baton Rouge WTGE 100.7 497 m (100000 h,v), C [24000 h,v; 173 m

LA Oakdale KICR-FM 98.7 (from 104.9)/

ME Gardiner WABK-FM 104.3 d-a

ME Portland WPOR-FM 101.9 32500 h,v; 185 m

MD Easton WCEI-FM 96.7 25000 h,v; 78 m, B1

MA Boston WZLX 100.7 21500 h,v; 237 m

WBCN 104.1 21000 h,v; 235 m

WMJX 106.7 21000 h,v; 235 m

MA Medford WXKS-FM 107.9 20200 h,v; 237 m

MI Greenville WODJ 107.3 still 50000 h,v; 150 m, but moves tower to 10 km N of Lowell MI, to serve Grand Rapids, Hastings, Wyoming, Allendale MI

MI Hillsdale WCSR-FM 92.1 6000 h,v; 74 m

MI St. Johns WLNZ 92.1 4000 h,v; 122 m

MN La Crescent KQEG 102.7 1900 h,v (183 m)

MN Rochester KWWK 96.5 31000 h,v; 188 m

MN Thief River Falls KVVJ 102.7 164 m (100000 h,v) [h,v; 150 m, C2

MN Walker KLLR-FM 99.1 (from 99.3) 50000/

MS Meridian WOKK 97.1 183 m (100000 h,v), C1 [99.3 3200 h,v (180 m), C2

MO Boonville KDBX/ [h,v; 133 m

MO Cambridge KCVO *91.7 (from 90.7) 10000/

MO Columbia KFMZ 98.3 24000 h,v; 217 m, C2

NE Omaha KPQB *88.1 6000 h,v (91 m)

NV Laughlin KLUK 107.9 8000 h,v; 576 m

NM Gallup K272- 102.3 (from KKOR-1 94.5—a translator replacing a booster)

NM Las Cruces KVLK 99.5 100000 h,v; 312 m

NM Taos KRBJ 99.9 6000 h,v; -118 m

KTAO 101.5 (from 101.7) 1000 h,v; 876 m

NY Vestal WMXW 103.3 2600 h,v; 309 m, B1

NC Davidson WDAV *89.9 d-a

NC Nags Head WNHV 92.3 67 m (3000 h,v)

NC Raleigh WQDR 94.7 514 d-a (100000 h,v)

OH Belpre WCVV *89.5 3000 h,v; 20 m

OH Bryan WBNO 100.9 6000 h,v (91 m)

OH Cincinnati WVXU *91.7 26100 h,v (207 m)

OH Lorain WZLE 104.9 1300 h,v; 152 m

OH Urbana WKSW 101.7 100 m (3000 h,v)

OH Wellston WKOV-FM 96.7 16000 h,v (131 m), B1 [h,v; 150 m, C2

OK Clinton KCLI 95.5 (from 95.3) 50000/

OR Medford KOPE 103.5 100000 h,v; 312 m

OR Sweet Home KSKD 107.1 2000 h,v; 120 m

OR The Dalles KACI-FM 97.7 4200 h,v (272 m), C2

PA Bedford WAYC-FM 107.5 340 h,v; 399 m

PA Lewistown WCHX 105.5 470 h,v; 249 m

PA Mount Union WXMJ 99.5 300 h,v (439 m)

PA Olyphant WAXH 95.7 300 h,v (308 m)

TN Paris WAKQ 105.5 3000 h,v; 61 m, CP for 2 kw cancelled

TN Rogersville W259- 99.7 (W292BX 106.3), on air on new frequency, having to change because of new Rogersville WJDT 106.5

VA Accomac WKIY 99.3 16500 h,v; 122 m

VA Buena Vista WVLI 96.7 10000 h,v; 150 m, B1

VA Clifton Forge WXCF-FM 103.9 150 h,v; 682 m

WA Othello KZLN 97.5 (from 97.7) 28500 h,v; 200 m, C2, converts to \$[tereo], k

WV Morgantown WVPM *90.9 5200 h,v (336 m)

WI Menomonee Falls WFMR 98.3 6000 h,v (100 m), adds d-a

WI Milwaukee WMWK *88.1 170 h, 291 m

WLUM-FM 102.1 20000 h,v; 232 m

WI Rhinelander WXPB *91.7 100000 h,v; 123 m

PR Maricao WAEL-FM 96.1 24200 h,v (613 m)

BC Vancouver CHQM-FM 103.5 49000 h,v; 545 m, height estimated as it is said to continue the same coverage it had

NB Saint John CJYC 98.9 50000 h,v (125 m)

NS Truro CKTO 100.9 50000 h,v; at a new site 25 km north; new height not announced

Stereo, or to be \$tereo

[These are stations not previously known to have been broadcasting in stereo.]

AL Citronelle WKQR 101.9 [on air now

AL Talladega WSSY-FM 97.5, rm, "Sunny 97;"/>

AK Fairbanks KINQ 95.9, k, back on air. The FCC granted a waiver to its one-to-a-market rule to allow the station's sale to KCBF AM and KTVF (TV). This waiver was granted "due to the insolvency of KINQ."

- KWLF 98.1, r{ock}
- AZ Kearny KCDX 105.1, m
- AZ Payson KRMM 101.1 k, not yet on
- AR Brinkley KQMC 102.3, k
- AR Gurdon KGAP 92.7
- AR Malvern KBOK-FM 99.3
- AR Mountain Home KCMH *91.5
- AR Pine Bluff KPBO 101.3, k
- CA Chester KCMT 98.9, rm
- CA El Cerrito KEGC *88.1
- CA Garberville KMUD *91.1, et
- CA Prunedale KLVM *89.7
- CA Riverside KUCR *88.1
- CA South Lake Tahoe KRLT 93.9
- CO Frisco KYSL 92.1
- CT Sharon WWPR 103.3
- FL Key West WJIR *90.9
- FL New Smyrna Beach WJLU *89.7
- FL Perry WNFK 105.5
- GA Adel WDDQ 92.1, op [with Athens
- GA Crawford WGMG 102.1 rm, "Magic 102," ID/
- GA Hawkinsville WCEH-FM 103.9
- HI Hilo KWXX 94.7
- KIPA-FM 100.3
- ID Sandpoint KJDE 102.5
- ID Twin Falls KAWZ *89.5
- IL Elmhurst WRSE *88.7
- IL Eureka WCRI 98.5, m
- IL Joliet WCSF *88.7
- IL Metropolis WREZ 105.5, m
- IL Rantoul WLTM 96.1
- IL Winnetka WNTH *88.1
- IN Bloomfield WBHQ 101.1, k
- IA Brooklyn KSKB 99.3
- IA Jefferson KLSN 98.9
- KS Colby KTCC *91.9, r
- KCLH 97.9, rm
- KS Kingman KAPH 99.3, r
- KS Medicine Lodge KREJ 95.9, g
- KY Bowling Green WWHR *91.7, r
- KY Georgetown WRVG *89.9, c, "CBC Stereo," taking over frequency from WVBA *89.9 Frankfort, with which it shared time. They have almost no local programming; got an OK from the Canadian government to relay CBC stereo. "Thus you will hear that on their 150-watt signal 99% of the time, save for the "Big Band Stand" and the odd baseball and other sports with the overplayed ID at 59:50 past each hour! Other than that, you could be driving through Calgary and not know the difference. I'd bet Lexington/Georgetown is the only area outside the immediate border that this is possible. Any takers?" WRVG has bought the equipment of the former WVBA, expecting FCC approval of a facilities' boost.
- KY Hazard WJMD 104.7
- KY Lancaster WRNZ 105.1
- KY Manchester WTBK 105.7, r
- ME Bangor WHSN *89.3
- ME Kittery WYCD 105.3
- ME Madawaska WCXX 102.3
- ME Skowhegan WHQO 107.9 o, "Oldies 108," but also some country oldies
- MD Middletown WAFY 103.1

Dairy Industry Closes Down WJTY

- MA Framingham WDJM *91.3
- MA Northfield WNMH *91.5
- MA South Hadley WMHC *91.5
- MI Mackinaw City WSSW 94.3, m
- MI Mount Pleasant WCZY 104.3, b
- MI Roscommon WGRY-FM 101.1, k
- MI Standish WSTD 96.9
- MI Traverse City WLJN-FM *89.9
- MN New Prague KCHK-FM 95.5, to be k
- MN Owatonna KRFO-FM 104.9 k, "K-105 FM" (strict). "We went stereo April 15, and to an automated country format." Facilities to 4700 (h, 53 m).
- MN Two Harbors WRSR 104.3
- MS Clarksdale WKDJ 96.5, k
- MS Petal WMFM 106.3, gk
- MS University WUMS 92.1, p
- MS Vicksburg WBBV 101.1, k
- MO Lamar KHST 99.9, k
- MO St. James KZYQ 99.5
- MO Sparta KLTQ 96.5
- MO Washington KSLQ-FM 104.5, m
- MT Great Falls KOOZ 100.3, b
- MT Shelby KYYC 97.9
- NE West Point KWPN-FM 107.9
- NH Haverhill WYKR-FM 101.3
- NH Hillsboro WRCI 107.7, k
- NH Meredith WMRQ 101.5
- NJ Lawrenceville WRRC *88.5; facilities are 17 watts h, 5 m
- NJ Mahwah WRPR *90.3
- NJ Union WKNJ-FM *90.3
- NM Farmington KSJE *90.9, bt
- NM Santa Fe KSFR *90.7, c
- NM Silver City KSCQ 94.5, rm
- NY Brentwood WXBA *88.1
- NC Elizabethtown WQOR 105.7
- NC Grifton WVVV 99.5
- NC Wadesboro WRPL 93.5, mr
- ND Wahpeton KGWB 107.1
- OH Cadiz WEIR-FM 106.3
- OH Lancaster WSWZ 103.5
- OH Loudonville WBWZ 107.7
- OH New Concord WMCO *90.7
- OH North Baltimore WHMQ 107.7
- OH Uhrichsville WTUZ 99.9
- OH Wilberforce WCSU *88.9
- OK Atoka KHKC 103.1
- OK Lawton KCCU *89.3
- OK Lindsay KBLP 105.1, k
- OK Mangum KZKQ 92.1
- OR Bend KIDD-FM 98.3, rm
- OR Creswell KERT 95.3, o
- OR Eugene KRVM *91.9
- OR McMinnville KSLC *90.3
- OR Medford KOPE 103.5, gt
- OR Sweet Home KSKD 107.1
- PA Carlisle WDCV *88.3
- PA Chester WDNR *89.5
- PA Erie WERG *89.9
- PA McConellsburg WEMX 103.7, r
- PA Shippensburg WSYC *88.7
- PA Smethport WORM 106.3, rm
- SC Elloree WMNY 100.3, s[oul]
- SC Hampton WBHC-FM 103.1, k
- SC Newberry WNMX 106.3
- SC Saint Andrews WMFX 102.3
- SD Redfield KVCU 103.7
- TN Cookeville WTTU *88.5
- TN Humboldt WLSZ, 105.3, r

- TN Kams WCKS 93.1
- TN Maryville WGAP-FM 95.7
- TN Surgoinsville WLKW 104.3
- TX Cameron KCRM 103.9 (moving to, from 103.1; back on air, having been mono when it initially returned), mr, dropping Rockdale-Milano from its ID list
- TX Cotulla KDCY 97.7
- TX Hamilton KCLW 92.1
- TX Jasper KJAS 100.7, k
- TX Livingston KETX-FM 92.1
- TX Mercedes KBOR-FM 106.3, Spanish, l
- TX Robstown KMIQ 105.1
- TX Weatherford KYQX *89.5
- UT Delta KLGQ 95.7
- UT Nephi KCDH 92.7, k
- UT Roosevelt KBWL 98.5, rm
- UT Tooele KTLF-FM 92.1
- VT Warren WSBH 96.1
- VT Woodstock WMXR 93.9
- VA Bridgewater WRDJ-FM 105.1
- VA Broadway WLTK 95.5
- VA Clinchco WDIC-FM 93.1, rk
- VA Staunton WTON-FM 94.3, k, to 310 h,v; 713 m
- WA Grandview KARY-FM 100.9
- WA Pullman KZZL 99.5, k, not yet on
- WA Spokane KAGU *88.7, rj
- WA Walla Walla KHSS 100.9
- WV Beckley WJLS-FM 99.5 now k, and finally embracing \$[tereo]
- WV Bridgeport WDCI 104.1, not yet on. Listed as mr, but "rumor it may be a religious station."
- WV Fairmont WRLF 94.3
- WV Huntington WMUL *88.1
- WV Moundsville WRKP 96.5, gr
- WV Salem WXKI 105.7, m
- WY Laramie KIMX 105.5, b
- VI Charlotte Amalie WIVI 96.1, c
- VI Christiansted WAVI 94.3
- Monophonic
- AL Birmingham WGIB *91.9, for about six months now; remove \$ listing [(not strict)
- NC Sanford WDCS *90.5, still r, now "DC-90"/
- VA Appomattox WTTX-FM 107.1. For a while, both Appomattox stations were monophonic.
- WI Lancaster WJTY *88.1, remove \$ listing; has never been in stereo. The station will soon go silent for a while, because of "stray voltages" affecting cows on a nearby dairy farm. "Stray voltage is the voltage difference between two contact points. On dairy farms, stray electric currents can flow through stanchions, water lines or milking equipment. This can cause an unwanted voltage difference between two pieces of equipment or between a piece of equipment and the ground. While not usually perceptible to humans, cows coming into contact with these points of different voltage can receive shocks. Stress and altered behavior caused by these shocks may lower milk production." The station will be looking for a new site.

Format Changes

- Formats are the same as in the "FM Atlas"
- AL Abbeville WIZB o, mono
- AL Birmingham WZRR 99.5 op
- AL Dadeville WDWI *88.7 gr
- WZLM 97.3 r, CHR, \$
- AL Hamilton WERH-FM 92.1 mk
- AL Russellville WZMX 97.7 op, "97 Rock"
- AL Stevenson WWSV 101.7 k

AK Ketchikan KGTW 106.7 r, mono
 AK Wasilla KMBQ 99.7 r (AC-oldies)
 AZ Douglas KKRK 95.3 r
 AZ Flagstaff KMGH 93.9 r, same "bird feed"
 as on KRFM 96.5 Show Low
 AZ Glendale KKFR 92.3 rs [any r or top 40"]
 AZ Mesa KDKB 93.3 p, is "p period; did not hear"
 AZ Parker KMDX 99.3 r
 AZ Phoenix KPHF *88.3 g
 KOY-FM 95.5 sr
 KKL 98.7 m, "The Lite"
 AZ Prescott KNOT-FM 98.3 k
 AZ Quartzsite KBUX 94.3 mr
 AZ Sedona KQST 102.9 r, top 40
 AR Camden KWEH 97.1 k
 AR Greenwood KZKZ 106.3 op
 AR Gurdon KGAP 92.7 k
 AR Huntsville KFAY-FM 95.9 k
 AR Newark KLLN *90.9 g
 AR North Crossett KWLT 102.7 r
 AR Pocahontas KCYN 103.9 k
 AR Stuttgart KXDX 105.5 r
 AR Waldron KRWA 103.1 r, \$, returns to air
 AR Walnut Ridge KRLW-FM 106.3 r, SMN
 CA Alturas KYAX 94.5 k
 CA Bakersfield KTIE 107.1 k
 CA Chester KRKQ 105.3 r
 CA Chico KZFR *90.1 to be on later this month
 with ej, etc.
 CA Eureka KECU 105.5 s [Heat (CHR)]
 CA Johannesburg KRAJ 103.9 r, SMN/
 CA Kings Beach KBCH-FM 107.7 r, \$
 CA Lake Arrowhead KBON 103.9 o
 CA La Quinta KBZT 96.7 o
 CA Lemoore KQYZ 104.9 o
 CA Pasadena KPCC *89.3 mc, "they play very
 little jazz—mostly big bands and other music
 from the '20s and '30s in the afternoon, talk
 after that, and possibly classical music in the
 evenings"
 CA Quincy KNLF 103.1 g
 CA Red Bluff KDJQ 102.7 r
 CA Rio Vista KRVH *101.5 r
 CA Sacramento KYMX 96.1 r, "Mix 96"
 CA San Francisco KABL 98.1 r, having "the
 same stale mouthwash as KYMX 96.1 Sacra-
 mento and KXEZ 98.7 Los Angeles. The
 AARP (American Association of Retired
 People) should file a discrimination suit
 against these moronic consultants who're
 convincing station owners that anyone 55 or
 up is already dead, or at least buys nothing
 but hearing aids and Depends!" [Breeze
 CA Santa Cruz KLRS 99.1 mj, now has The/
 CA Sonora KTUO *99.1 r
 CA Stockton KJOY 99.3 rj, lite rock with a jazz
 program 7 p.m. to 11 p.m., still "Joy 99 FM"
 CA West Covina KBQB 98.3 r, monophonic
 CO Rocky Ford KAVI-FM 95.5 r
 CT Stamford WEDW-FM *88.5 cj
 CT Willimantic WECS *90.1 cj [news]
 FL Columbia KA2XXZ *107.9 t (travelers/
 FL Gainesville WJLF *91.7 gr
 FL Homestead WXDJ 95.7 and Goulds WRTO
 98.3 (March p. 3, col. 1) have flip-flopped
 their formats, but only for 20 hours a day on
 a lease-time arrangement, which the FCC
 approved. "Between 1 and 5 a.m. they're
 back to the original formats. It seems WRTO
 is paying 'XDJ for use of the frequency for
 the remaining 20 hours. Weird isn't it? I had
 heard also that 98.3 can go to 100 kw,
 provided four FL stations change frequencies.
 Which four is anyone's guess; and 98.3 (now
 called "Whisper 98.3") is in no hurry, it
 seems, to go 100 kw."
 FL Monticello WJPH 101.9 m
 FL Naples WBPT *89.5 gm
 FL Springfield WYOO 101.9 r
 GA Cairo WOBW 102.3 sr, "B-102"
 GA Clarksville WMJE 102.9 r
 GA Cleveland WGGG-FM 101.9 r (from rk)
 GA Homerville WBTY 105.5 k
 GA Royston WPUP 103.7 o, \$
 HI Honolulu KIPO-FM *89.3, to be fj
 KHFX 105.1 or
 ID Mountain Home KLVJ-FM 99.1 r, \$

ID Weiser KWEI-FM 99.3 k
 IL Chicago WCRW *88.1 sr, "dance music"
 (urban/hits), "similar to WLUW *88.7, only
 less professional and no jingles"
 WLUW *88.7 sr
 WOU1 *88.9 j, back on air. "Heard 4/13 playing
 jazz (mostly old stuff), signal only OK at
 Comiskey Park (barely .8 km from Illinois
 Institute of Technology campus). Only IDs
 on-hour."
 IL La Salle WAJK 99.3 r
 IN Franklin WFCI *89.5 sr
 IN Kokomo WWSK *98.9 r [ny 101.5"]
 IN South Bend WNSN 101.5 r, still "Sun-/
 KY Buffalo WRZI 101.5 k | KY Cadiz -
 KY Burkesville WKYR-FM 98.5 kj WBZD 106.3
 KY Hyden WZQO 92.3 r | r, \$ -
 KY Shelbyville WCKP 101.3 k | - -
 KY Winchester WLFX 100.1 r, still "Fox 100."
 That, WKYV 104.9 Frankfort and WCOZ
 96.7 Paris all "sound alike and all strive for
 Lexington's audience as rimshotters."
 LA Farmersville KWJM 92.7 rk
 LA Minden KASO-FM 95.3 o
 LA South Fort Polk KZRO 101.3 b
 MI Benton Harbor WHFB-FM 99.9 r, "The New
 99.9" (not strict), RPMusic on 19 cm/second
 reel to reel tape, ID with South Bend IN,
 "Stretching it," now that WHFB-FM and
 WBUS Kankakee are nondirectional. WHFB-
 FM's dropping of b leaves 95.9 WEFM
 Michigan City IN as "Harbor County's closest
 EZ station, 100.7 WYEZ second."
 MI Coleman WSMZ 101.5 g
 MI Detroit WOMC 104.3 o, "Oldies 104.3." This
 station has a "tremendous advantage, signal-
 wise, over The New Oldies 102.7, WKSG,"
 and CKMR 93.9 Windsor-Detroit. "They
 promote this by mentioning callers from
 more distant communities. . . Three rock
 oldies stations cannot survive. It is a lot of
 trouble for a Canadian station to change
 format, so I expect WKSG to go first."
 MI Kingsford WEUL 98.1 g
 MN Park Rapids KDKK 97.5 r, \$, "Starstation
 97.5." On 5:30 a.m. to 10:05 p.m., when
 they say, "Good night and pray for world
 peace." A nice-sounding station, despite its
 early sign off, removing the talk shows it had
 in the evenings in pseudo-stereo.
 MN Rochester KNXR 97.5 still m, but asking
 audience for its support of its non-rock and
 non country format. Even their Christmas
 programming is unique for a commercial
 station. "Unlike almost all other
 radio stations, KNXR does not
 stop playing Christmas music Dec. 26 because the real
 Christmas season has just begun! During the
 week between Christmas and New Years,
 you'll hear an abundance of Christmas
 selections with emphasis on the hymns and
 carols. . . KNXR is about the only station left
 broadcasting non-rock or non-country music.
 . . Stations that play music like KNXR
 generally do not rate as well as 'rock' stations
 in the Arbitron listener surveys [since]
 younger people tend to complete and return
 the surveys because they feel they are voting
 for their favorite station. Most 'rock' stations
 usually bait and bribe people to listen to their
 stations during survey times with contest
 and cash prizes." Listeners are advised in a letter
 from Tom Jones, founder and general
 manager, to participate in listener surveys,
 telling advertisers they're listening, and ask
 businesses that are not advertising to do so.
 "We have no plans to change our format. We
 do need your active help, however, in making
 sure our format remains as it is now."
 MS Hazlehurst WMDC-FM 100.9 k
 MS Louisville WLSM-FM 107.1 g (from k)
 MO Knob Noster KXXK 105.5 k
 MO Mountain View KXOZ 96.9 r, Unis. AC
 MT Great Falls KQDI-FM 106.1 rp

NE Sidney KSID-FM 98.7 r, Drake AC
 NE Superior KRFS-FM 103.9 k, mono
 NE Winnebago KSUX 105.7 k
 NV Henderson KMZQ 100.5 mr, back to "Class
 100," from "The Q"
 NH Hinsdale WYRY 104.9 r
 NM Carlsbad KCDY 104.1 r
 NY Ellenville WWWW 99.3, "K-Lite," ID with
 Middletown-Poughkeepsie-Newburgh
 NY Jeffersonville WJFF *90.5 c
 NY Montour Falls WNGZ 104.9 op, classic rock
 NY Watertown WRVE *91.7 nj, \$, parallel to
 WRVO *89.9 Oswego
 NY Wurtsboro WZAD 97.3 r
 NC Asheville WKDB *91.3 g
 NC Bayboro WJCS 97.9 k
 NC Elkin WJFM 100.9 o
 NC Shelby WWMG 96.1 o, "Oldies 96"
 NC Thomasville WTHP 98.3 so, R&B oldies
 ND Minot KBQQ 99.9 o, SMN Pure oldies
 OH Circleville WTLT 107.1 gr
 OH Cleveland WQAL 104.1 r, soft AC
 OH Columbus WBNS-FM 97.1 mj, new age,
 "with a few old tunes mixed in and calling
 themselves 'The New WBNS-FM'."
 OH Grove City (Columbus) WWCD 101.1 p
 OH Jackson WCJO 97.7 k, monophonic
 OH Loudonville WBZW 107.7 mj, The Breeze
 OH Marysville WNRJ 105.7 sr, "Power 105.7"
 OH Tiffin WTTT-FM 103.7 kr
 OK Oklahoma City KZBS 98.9 sr, still "Z-99"
 OK Pawhuska KMYB 104.9 o, SMN
 OR Bend KIDD-FM 98.3 r
 OR Gold Beach KGBR 92.7 k
 OR Hood River KCGB 105.5 r [Christian
 PA Beaver Falls WGEV *88.3 rg, contemporary/
 PA Grantham WVMM *90.7 gr
 PA Milton WOEZ 100.9 mr [100.7 FM"]
 PA New Kensington WWMXP 100.7 sr, "Mix Jams/
 PA Port Allegany WHKS 94.9 k
 PA Sharpville WOJY-FM 95.9 mr, soft AC
 SC Charleston WSUY 100.7 mr, "Sunny"
 SC Greenville WFBC-FM 93.7 back to r (from
 o), "The all new 'B-93.7 FM', with the best of
 yesterday and today"
 SD Aberdeen KOAA 94.9 o, SMN Pure
 KGIM-FM 106.7 k
 TN Columbia WKOM 101.7 o, SMN Pure
 TN Franklin WRLT 100.1 p, "Radio Lightning
 FM 100"
 TN Harriman WLIQ 92.7 k
 TN Knoxville WHGG *88.3 g
 TN Nashville WZEZ 92.9 mr, "95% vocals. I told
 them I missed the EZ listening. They had
 plenty of commercials and a good audience,
 but they said they are committed to the new
 format. So I will try one of your SCA
 modifications and if it works out, I'll tell my
 friends who miss the beautiful music to go for
 SCA." With a good antenna, WRSA 96.9
 Decatur AL and WMSR-FM 99.7 Manchester
 TN can be heard. WQZQ-FM Dickson, when
 it moves to 102.5 with more power, is
 considering going to b.
 TX Anson KKHR 98.1 o, with "Tejano" nights
 TX Austin KHFI 98.1 (having moved from 98.3)
 rs, still "K-98"; now 211 m (100000 h,v)
 KPEZ 102.3 op, on with 20000 h,v; 209 m
 TX Brady KIXV 95.3 r, SMN
 TX Corpus Christi KLGT 96.5 o, "K Lite 96.5"
 TX Gonzales KPJN 106.3 k
 TX Midland KCRS-FM 103.3 r, "K-103"
 TX Ozona KYXX 94.3 off air, remove \$, music
 format
 TX Plainview KATX 97.3 r, SMN
 TX Portland-Corpus Christi KISQ 105.5 r, "All
 Hit 105.5 Kiss FM," with Christian blurbs
 between songs; owner, a devout Roman
 Catholic, feels values should go along with
 entertainment. He's hoping for a C3 or higher
 to help make his station profitable.
 TX San Angelo KTEO-FM 93.9 to be g
 UT Brian Head KREC 98.1 m, \$, ID with St.
 George and Cedar City
 UT Pleasant Grove KPGR *88.1 r
 UT St. George KZEZ 93.5 r, "some sort of"

VA Clarksville WLCQ 98.3 r, CHR, but using non-ID, "Easy 98.3." And "sometimes will use 'Easy 98 Rock'—now that's a paradoxical slogan!"
 VA Ruckersville WXZY 92.1 rm, "Foxy 92"
 VA Virginia Beach WJQI-FM 94.9 rm
 VA Windsor WXRI 107.7 t, BRN business news
 WA Colville CKRK 92.1 rm
 WA Ephrata KULE-FM 95.9 k
 WA Everett KSER *90.7 cj, applies for d-a
 WA Spokane KWRS *90.3 p
 WA Toppenish KHYT 92.9 o
 WV Bethlehem WHLX 105.5 b
 WV Ceredo WCKV *88.5 rg
 WV Dunbar WBES-FM 94.5 b
 WV Ravenswood

WRZZ 106.1 r, CHR
 WV Romney WJJB 100.1 mr [97"]
 WV Wheeling WKWK-FM 97.3 rm, "Lite Rock/
 WI Ladysmith WLDY-FM 92.7 mk, mono
 WI Milwaukee WLTO 97.3 rm, "Lite 97"
 WI Rhinelander WRHN 100.3 m, "The great soft hits that make the difference"
 WY Casper KOLT 107.3 o, SMN Pure
 WY Gillette KAML-FM 96.9 o, SMN Pure
 PR San Juan WRTU *89.7 cj
 PQ Rouyn-Noranda CHLM 96.5 r
 BJ Tijuana XHITZ 90.3 sr, "Jammin' Z-90"

On Air (Selected)

AZ Cottonwood K244DI 96.7 with KIHx Prescott Valley on it; KIHx is still on 106.3, moving to 106.1
 DC Washington WDCU *90.1, but not yet with 50000 h,v because of a fight with WFTY (TV); the DC police, other point-to-point users of a new tower being built next to WDCU's studios. Fears of interference to the communications services and charges WFTY wants a high-paying commercial tenant on the tower have surfaced. An interference study is going on, and the matter is expected to be resolved soon. WDCU will go for the 50 kw even if it means a different tower.
 IA Des Moines KUCB *89.3, now on with full power
 KY Lexington WUKY *91.3 with 95000 h,v; 306 m, getting "out like a ton of bricks with their move to a new tower near Shakertown and higher power. . . It's easily possible to tune them in from Lexington to Louisville on a standard car radio, and they will even come in well downtown Louisville."
 NE Four public stations to have signed on this month, using satellite distribution of signals from flagship KUCV *90.9 Lincoln. "We're fighting a group that wants heavy classical music. It's a danger for public radio that it gets so locked in to classical music," alleges Bill Bridge, a Norfolk NE businessman who helped raise money for the network.
 NM Santa Fe K244CX 96.7 is on air with KHFM 96.3 Albuquerque. Contrary to what was printed in FMedia! last month, this translator is not in Albuquerque, and did not delete.
 TX Yoakum KYOC 92.5 (from 102.3), still 3000 h,v; 91 m

Off Air or Not Yet On

AZ Glendale KCWB 103.5
 AZ Phoenix KNAI/KPHF *88.3
 AZ Sedona KSED 107.5
 AZ Tusayan KRBZ 92.1
 AR Stamps KMSL 100.5 (still on 100.1A)
 DE Bethany Beach WWTR 95.9, "pending move"
 KS Wamego KSKT 95.3
 ME Bath WIGY 105.9, but ordered back on by Barclay's Business Credit, the bank which loaned Maritime Broadcasting \$5.7 million in 1988 to buy WIGY and its AM plus two stations in Utica NY. Loan payments quit in August, and Barclay's fears the FCC will strip the stations of their licenses if they do not return to the air. No start-up date or possible format have been decided. [bankrupt]
 NE Auburn KAUB 105.5, "because the owner is/

NJ Fort Lee W276AQ 103.1 [to 97.9]
 NM Lordsburg KXKK 97.7 (but to be moving/
 NY Pomona W223AL 94.3; this and Fort Lee had switched primaries to WHTZ 100.3 Newark NJ. "They are clear examples of translator abuse and served no useful purpose whatsoever. . . Turro simply went too far with putting a Grade A local Z-100 on a translator and it's only 5 km from the 100.3 transmitter!"
 OK Nowata KNFB 94.3
 PA Muncy W215AF *90.9
 TN East Ridge WJRX 107.9
 TX Dallas KRSM *93.3, still on 88.5
 TX Denison KMKT-FM 104.9 still class A
 TX Jasper KWYX-FM 102.7, still on 102.3A
 TX Sonora KHOS-FM 92.1 (and AM), but was to have returned last month; KYXX 94.3 Ozona has been off for over a year. FCC has given them permission to stay off until license renewal time.

Deletions

AK Seward K201AD *88.1
 AZ Red Rock K210AO *89.9
 AR Batesville KGED *88.1
 CA Borrego Springs KBSH *88.9
 CA Fort Bragg KWSF *91.5
 CO Silverton KVFC 99.3
 FL Palm City WCNO *89.9
 IA Keokuk KCBC *90.9
 KS Phillipsburg KKAN-FM 95.3
 KY Frankfort WVBA *89.9, taken over by WRVG, now stereo, Georgetown KY
 MA Gardner WMWC *91.7
 MA Weston WRSB *88.3
 MN Owatonna KRPC *90.1
 MS Corinth WALP *90.5
 MO Kirksville KVCV 107.9
 NE Kimball KDOT 100.1
 NV Battle Mountain KLME *88.1
 NV Gerlach KGLH *91.5
 NH Manchester WANH *90.7
 NJ Cherry Hill WBK *88.1
 NJ Whippany WHPH *90.5 [grant
 NM Espanola K216BA *91.1, replaced by new/
 NY Sodus WSCS *89.5
 ND Williston KWYL 98.5
 OK Woodward 95.9
 OR Oakridge 92.1
 OR Sutherlin KSRL 101.1
 TX Temple 101.7
 UT Midvale KQMB 102.7
 WV Charleston WYQC *89.5
 WI Crandon 96.7

"Eagerly awaiting new FM Atlas. Pages 39-48 and 121 to 152 have fallen out of mine. So maybe Lucky 13 will have an easier life!"
 "FM Atlas sure helps me a lot."
 "The handiest reference. Very informative front editorial section. Sparky exchanges. Great."

FMistakes, FM Atlas-13

AK Bethel 107.9 KBTB add to map "C," p. 86; station seeks 98.3C3
 CA Grass Valley stations out of sequence, p. 103
 GA Atlanta WZGC 92.9 and Smyrna WSTR 94.1 both should be listed on p. 106 with 69 km coverages, as both have the same height and powers. WSTR appears to be a falling star, going from 12th 13th in the winter Arbitron ratings.
 Perry WPGA-FM 100.9 is in GA, not FL, p. 172.
 UT St. George *91.7 KRDC add to p. 68 map April FMedia! Mistake, p. 3, col. 1
 TX Lamesa 100.3 calls are KIOL, not "KOIL"

SCServices, 57, 67 and 92 kHz

Symbols are as in the "FM Atlas"
 CA Los Angeles KKG0 105.1 still has Muzak, 67. Its jazz for KKG0 540 AM is on an ACSB subcarrier at about 75 kHz, and not decodable on normal SCS receivers. It delivers stereo, but only from fixed units attached to home receivers.
 FL Miami WMCU *89.7 tD, 57; tU, 92, no 67
 GA Columbus WVRK 102.9 tR, 92 (also tD, 57;

tM, 67), main channel now rp
 GA Cumming WVEV *91.5 no SCS, "tB not heard since March. The SCA status of this station seems to change every other month."
 IL Chicago WGCI-FM 107.5 tE, Greek, Helenec Radio-TV Productions, also has been restricting radios' tuning, but "perhaps an agreement

Hellenic T.V. & Radio Productions



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between both services may be beneficial for subscribers to tune into both stations, if possible. The WNUA (92 kHz Greek) 95.5 station was scheduled to begin broadcasting on SCA in April, 1990."

IA Ames WOI-FM *90.1 no tX, 67, "The carriage contract has been cancelled. The 92 kHz SCA is still used for the talking service (IRIS)."
 MN Winona KQAL *89.5 tU, 67; now on with 1800 h,v; 191 m, d-a, \$[tereo]
 NM Las Cruces KGRT-FM 103.9 no SCS (had tM, 67) [(had tU, 67)]
 NC Winston-Salem WKZL 107.5 no SCS/
 OH Cleveland WMJL 105.7 looking for an SCS customer, after having lost PRN on 67. It has Cue paging on 57 kHz and a "non-compete clause" with other paging companies.
 OH Youngstown WKBN-FM 98.9 tX 92 (tM, 67)

PA Ellwood City WKST-FM 92.1 tX, 67
 PA Greek Radio Network of America, Inc. v. Vlasopoulos, a decision by District Judge Thomas N. O'Neill, Jr. in PA ruled in favor of the subscription network, which made its SCServices available only to people who paid a yearly fee. "The network's transmissions were not intended for the use of the general public", as would render the unlawful interception provision [of the Communications Act] inapplicable. "Station involved in the Greek complaint not identified in the copy of "Judicial Highlights" sent by an attorney-subscriber. Possibly it was WIBF-FM 103.9 Jenkintown's 92 kHz, or the 67 of WXPB *88.5 or WRTI *90.1. I didn't know such mean people rented the SCAs there.
 SC Gaffney WAGI 105.3 tU, 67
 TX El Paso KLTO 94.7 no SCS; tM has "moved to 2150 mhz, S-band"

KBNA-FM 97.5 no SCS
 TX Laredo KBNL *89.9 tG, 67. "Unlike most stations which put a foreign language on a subchannel, we have gone to all Spanish on our main channel and English (Moody network) on our 67 kHz subchannel."
 CH Ciudad Juarez XHTO 104.3 no SCS; its 67 kHz music long inactive

DOMINICAN REPUBLIC Alto Bandera HILR 105.5 tT, "occasional audio," 67
 DR El Mogote HIDV 97.9 tT, "occasional audio," 67
 HIBI 102.3 tT, "occasional audio," 67
 DR Santo Domingo HIOG 97.5 tM, 67 (new service)
 HIXZ 99.5 tM, 67 (preexisting)

NonIDs, Not Just Slogans

AZ Wickenburg KTIM-FM 105.3 Time, still m (big bands)
 NJ Atlantic City WAYV 95.1 Hot 95
 NC Fairmont WYZZ 100.9 Rock-101, ID with Lumberton-Dillon (SC)
 NC Williamston WHITE 103.7 Hot 104, ID with Washington-Greenville, still mr
 PA Elizabethville WYGL-FM 100.5 Wiggle-100
 SC Florence WYNN-FM 106.3 Win 106 FM
 SC Kingstree WWKT 98.3 Magic 98
 TX Dallas KZPS 92.5 Classic Rock 92.5 (said without call letters)
 TX Llano KLKM 104.9 Easy 105
 TX Waco KWTX-FM 97.5 All Hit 97-FM (from "97-FM") [(back to), \$
 VA Appomattox WZST 102.7 Star 102.7/

VA Martinsville WROV-FM 96.3 96.3-ROV
VA Richmond WMXB 103.7 B-103 (not "B-103.7")
SK Saskatoon CHSN 102.1 Sun 102 FM,
expected on this month in \$

Multi-City IDs in Use

AZ Apache Junction KVVV-FM 107.1 with Phoenix, "99.3 translator still alive and well"
AZ Coolidge KQEZ 103.9 with Phoenix
AZ Mesa KZZP 104.7 with Phoenix
AZ Payson KRIM 104.3 with Paradise Valley
CA Taft KMYX-FM 103.9 with Bakersfield
GA Griffin WKEU-FM 97.7 dual ID with a secondary city which rotates among Fayetteville, Jonesboro, McDonough [Bemidji
MN Grand Rapids KAXE *91.7 with Hibbing-/
NC Jacksonville WKOO 98.7 adds New Bern-Kinston
NC Tarboro WAZO 104.3 with Apex and Durham (as in "Durham's New FM at 104.3") instead of Raleigh. It sounds like "Carrboro-Apex," but "see amap and you'll understand."
SC Dillon WZNS 92.9 with Florence-Fayetteville (NC)-Myrtle Beach
SC Hilton Head Island WHHR 106.1 with Beaufort-Savannah (GA)

AM Happenings Most Likely Caused by FM

HI Pearl City KIPO 1380 sold to HI Public Radio for \$525,000, becomes noncommercial and initially will repeat KIPO-FM *89.3 AM not even adequate for sports coverage?
WABI 910 AM Bangor ME is getting static from listeners for taking the Maine hockey broadcasts away from WBGW 97.1. A listener in Searsport ME writes to the newspaper: "The reception is terrible. The University of ME takes pride in mentioning how far fans travel to watch a game at Alford Arena, and my guess is that a large number live more than 48 km away. . . I urge the U. of ME to reconsider its choice of stations for next season's broadcasts. Those of you who buy advertising on WABI for hockey games might also want to reconsider. It would appear your ads may be reaching fewer people than you had expected."
ME Bangor WZON 620 rumored to be sold by a local dentist, Dr. John E. Tozer. It has run as a noncommercial station since Sept. 1, 1988, playing hard rock music.
ME Lewiston WXGL 1240 being sold by WXGL-FM 93.9 to Richard D. Gleason, owner of WOXO 92.7 Norway ME and WTME 1530 Auburn ME, the latter to be sold or taken off the air, as it is a daytimer. WXGL-FM is willing to sell the AM because most of the ad sales are targeted to the FM. "The AM shows up very little in the ratings, while the FM signal strength is phenomenal, and there's less noise on the dial."
MA Framingham WKOX is on 1200, not 1190, as mentioned last month, p. 4, col. 2.
MO Springfield KICK 1340 silent; had been oldies
NY Syracuse WNNR 1490, before that WAQX AM and WOLF, still off the air. "Talk has it that 1490 will resume transmitting; yet the station's property has 'for sale' signs around the perimeter of its premises. . . It's also been said the owner is still planning to switch from 1490 to 1510 kHz with 50,000 watts directional, but daytime only. Only time will tell." [news, talk
NY Schenectady WVKZ 1240 drops r music for/
NC Greenville WBZQ 1550 silent; had been religious
SC Hilton Head Island WHHR 1130 drops b and FM simulcast for travel information as a commercial beacon
ON Kingston CFRC *1490 AM deletes in favor of FM (see "Call Letters," above)
ON Mississauga CJMR now on 1320 with 10 kw day and night. It had been Canada's last daytime-only AM radio station, taking over the spot vacated when CFGM Richmond Hill ON moved to 640. CJMR had been on 1190.

Canadian AM broadcasters are concerned about a proposed CRTC FM policy, feeling that the exodus of listeners will be accelerated. "The CRTC's FM regulations are credited by many with keeping Canadian AM radio considerably healthier than its U. S. counterpart." AM freeze imposed by FCC. As of last month, the FCC stopped accepting applications for new AM stations or changed AM facilities. The FCC has not indicated how long this freeze will last, but it is expected to stay in place until a new series of rulemakings concerning AM station applications is acted upon, including expansion of the band to 1700 kHz. FCC's plans for the expanded AM band gives priority to AM stations experiencing heavy co-channel interference. Stations will also be able to buy each other's interference rights and place another station out of business, and a limited relaxation of multiple ownership rules to allow co-ownership of AM stations with overlapping principal city contours if either station signs an interference reduction agreement. Notable for readers of this rag is the FCC proposal to reimpose a rule banning AM-FM station simulcasts. Unlike the rule first enacted in the 1960s, which was designed to help FM radio, the 1990's version would be designed to benefit AM. No details have been released, and it is not known what percentage, if any, of AM-FM duplication and in what size markets it might be tolerated. I recall in the early days of the AM-FM rule broadcasters placed less interesting, automated fare on FM—yet FM continued to grow, especially with the help of stereo. Is a new rule necessary? I'm no fan of simulcasting, but see little value in placing programming of any interest to the public on the moribund AM band. Only by simulcasting an AM station on an FM station subcarrier do I see any future in AM. By utilizing SCA, a broadcaster can at least benefit from consistent day and night coverage, penetration of steel buildings and freedom from static and interference in the local signal area—but this thinking tends to be somewhat ahead of the FCC and the industry which, unfortunately, the FCC follows rather than leads.

FM Rulemakings Proposed

First date below is deadline for filing comments at the FCC; second date is for replies. Stations affected, if any, are listed before the dates.

AL Anniston 100.1C3 with Sandy Springs GA
AL Dothan WESP 102.5C3 for A, May 11, 29
AL Lineville 100.7A, with Sandy Springs GA
AR Fayetteville 92.1C3 for A, KKEG, June 8, 25
CA Barstow 94.3B1 for A, KDUC, June 8, 25
CA Chico 107.1A, replies by June 13
CA Columbia 98.9A, May 24, June 8
CA El Rio 103.7A, May 24, June 8
CA Farmington 94.3A, replies by June 13
CA Goleta 105.9A, May 24, June 8
CA Grass Valley 94.1A for 94.3A, KNCO-FM, with Placerville
CA Jackson 94.3B1 or 99.7A from 94.3A, KNGT, with Placerville or Farmington
CA Merced 94.1A, replies by June 13
CA Ojai 103.7A, May 24, June 8
CA Patterson 97.1A, replies by June 13
CA Placerville 99.5A, replies by June 13
CA Susanville 96.3C2, May 24, June 8
CA Windsor 100.9A, replies by June 13
FL Gainesville 105.3A for 105.5A, WYKS, May 17, June 1
FL Graceville 101.7A from 102.1A, May 11, 29
FL Newberry 100.5C3 for A, WNFQ, June 11, 26 [11, 29
FL Rockledge 102.7C2 from A, WHKR, May/
FL St. Augustine WSOS 94.1C3 or 105.5C3 from 105.5A, May 17, June 1
FL St. Augustine Beach 94.1A, May 17, June 1
FL Santa Rosa Beach 102.1C3 for 102.3A, WWAV, May 11, 29
FL Springfield 101.3A for 101.9A, WYOO, "show cause/why not?" [City, May 14, 29
GA Newman WMKJ 96.7A move to Peachtree/

GA Sandy Springs (Atlanta) 100.5C1 for 100.5C Anniston AL, WHMA-FM, counterproposal
IL Arcola 107.9A, June 11, 26
IL Le Roy 104.1B from B1, WMLA, June 11, 26
IL Morris 103.1A, May 14, 29 [29
IL Pontiac 93.7A from 103.1A, WJEZ, May 14, /
IN Plymouth 94.3B1 for A, WNZE, June 8, 25
IN Roanoke 94.1A from 105.1A, WQTX, "show cause/why not?" [June 11, 26
KY Beattyville 102.1A for 102.3A, WLJC, /
LA Erath 107.7C3 for 92.9A, KRAR, May 11, 29 [-FM, May 14, 29
MI Menominee 103.7C3 from 103.9A, WCJL- /
MS Poplarville WZKX 107.9C move to Bay St. Louis MS, May 18, June 4
MS Wiggins WOTC 97.9A move to D'iberville MS, counterproposal
MO Bowling Green 94.1C3 for 100.9A, KPCR-FM, May 11, 29
MO Brookline 102.1A, May 11, 29
MO Doolittle 106.5A, May 25, June 11
SD Pierre 92.7C1 for A, KGFX-FM, May 14, 29
TN Livingston 95.9C3 for A, WXXG, May 11, 29
TN Union City 105.7A, May 11, 29
WI Oshkosh 103.9C3 at Winneconne WI from A, WMGV, May 14, 29

FM Rulemakings Finalized

Dates are when FCC filing windows are open

AL Jackson WHOD-FM 94.5C3 from 104.9A
AR Hoxie 105.3A from 100.5A, KHGX
AR Jonesboro 100.3A from 100.1A, KDEZ
AR Newport 100.7A from 105.5A, KOKR
CA Baker 101.5B, May 8-June 7
CA Corcoran 102.3B1 for A, KLCZ
CA Kernville 102.5A for 102.3A, KKRK
CA San Rafael 100.7A for 100.9A, KTID-FM
IN Austin 92.7A, May 8-June 7
IA Deskar 100.5C2 for 100.9A, KRDI
IA Okaloosa 104.9C2 for A, KOSK
IA Perry 101.7A from 104.9A, KDLS-FM
KY Marion 102.7A, "first come/first serve"
KY Philpot 94.7A, June 4-July 5
KY Stamping Ground 99.1A, May 8-June 7
LA Rayville 92.3C2 for 92.1A, KTJC
MN Blackduck 98.3C2 for A, new CP
MS Aberdeen 105.5C3 for 105.3A, WWZO-FM
MO Cassville 100.1A for 93.3A
MO Seligman 93.3C2 for 95.3A, KJEM-FM
NE York 104.9C3 for A, KAWL-FM
NC Hatteras 97.1C1 from C2, WYND
OH Archbold 96.1A from 95.9A, WMTR-FM
TN Dresden 95.1A, May 14-June 13
TN Dyersburg 100.1C2 from A, WASL
TX Monahans 102.1C from C1, KMGP
WA Aberdeen 99.3C1 from A, KAYO-FM
WA Grand Coulee 98.5C3 for C2, KEYG-FM
WI Altoona 98.1, May 7-June 6
WI Lake Geneva 96.1A, May 15-June 14
WI Whitewater 106.5A, May 7-June 6
PR Lopez denied bid to add 94.5A

FCC Targets FM Translators, Gives in to Broadcaster Demands on Almost All Points

There won't be an FM translator "industry." FM translators will be strictly a secondary service. Third party involvement in FM translator operation will be only minimal. The public will not receive FM translators with unique programming, but may be subject to endless repetition of the same primary station signals across the dial. Cross off any idea of "low power FM," for the FCC won't hear of it. That's the scenario one gets from reading the text of the FCC's *Notice of Proposed Rule Making*, MM Docket No. 88-146, RM-5416 and RM-5472, released Mar. 28. The FCC acted on what some would say was skimpy evidence that translators

have led to "abuse" by sending signals of competing broadcasters into markets where they are not wanted or needed and have created interference. Nonetheless, the FCC has cleared the way for kilowatt FM translators. Interference criteria have yet to be drawn up, but the points presented in this newsletter last month as to how third parties can prosper running FM translators (pp. 5 and 6) are still largely valid. One problem is in the definition of the 30-second "commercials," which I label as such. The FCC says they are to "solicit or acknowledge financial contributions to defray the costs of installing, operating and maintaining a translator station [and] may not be for the purpose of making a profit." I'd say if they are listed as 30-seconds, they are commercials, and where will the FCC define whether the announcements merely defray expenses or enable one to make a profit? There is also some question of grandfathering, whether existing translators which "violate" the new rules could continue to operate as they do.

"The Commission has established a June 15, 1990, deadline to file comments. Reply comments are due on or before July 16, 1990." If you would like to file comments, try to get the complete text of the FCC proposed rule-making. My copy came from a Washington attorney. For more information on the rulemaking contact Tatsu Kondo, Policy and Rules Division, Mass Media Bureau, (202) 632-6302. To file formal comments, send an original and five copies of all comments, reply comments and supporting documents mentioning the Docket number (above). If you'd like each Commissioner to receive a personal copy of your comments, an original plus 11 copies must be filed. Send comments and reply comments to the Office of the Secretary, FCC, Washington DC 20554. To get the NAB's perspective, contact NAB legal at (202) 429-5430.

I can't blame Gerry Turro for turning his two New York-city area FM translators to rebroadcasting local WHTZ 100.3 Newark-New York, for such an action will signal to the FCC that a third party will relay only the kind of station for which he can get compensation from the primary. The "abuse" was not in "importing" a more distant signal, but in cluttering the band with clones of local stations which are otherwise easily receivable by the public. Translators will not go away. The incentive to create new broadcasting entities—even passive relayers—will continue. Whether or not these become stations which would provide new service to the public is up to the FCC. Certainly some restrictions can be placed on the types of stations to rebroadcast without imposing rules that could kill a great tool for the FM broadcaster, third party operator and listener alike.

Mark Rindal, Auxiliary Services Branch of the FCC, called regarding the petition filed against Family Stations, Inc. translators in the educational band (88-92 mhz). He said one entity can tie up more than frequency in a local area with translators, "particularly if they are aimed different ways." There is also no "abuse" in licensing a translator to an uninhabited town or even a place mentioned on a map—so long as the translator serves some people. About the only way a translator can be challenged is if you believe it wouldn't serve the city or cities mentioned in the application. The FCC is also not concerned whether there are licensed stations with the same format as a proposed translator. "The only way to get this changed is to petition the Commission for a rule-making. We are not about to take sides over which religious group gets a translator or station."

NAB Fights WHMA-FM Relocation from AL to Near Atlanta

Opposing Emerald Broadcasting's proposal to move its WHMA-FM 100.5 from Anniston AL to a suburb of Atlanta GA (last month, p. 6, and "FM Rulemakings Proposed," above), is the National Association of Broadcasters, in comments filed with the FCC. NAB claimed the proposal would "subvert Communications Act localism requirements and relocate a station to a larger market [and] represents nothing more than an attempt. . . to increase the audience size of its station at the expense of the community it was originally licensed to serve."

CRTC Announces New FM Proposals

Canadian FM stations would have to increase their Canadian music content if a proposal by the Canadian Radio-television and Telecommunications Commission is acted on. Most broadcasters would have to provide 30 percent Canadian content, except easy listening stations, which would have 20 percent Canadian content. Move is seen as favoring Canadian artists, and is part of a general revamping of FM regulations, which have not changed in 14 years. The new policy is expected to come into being next year, according to *Broadcast Technology* magazine.

Low Power FM Alive and Well in North America Despite FCC Translator Setback

Tanerbrig Developments, Ltd./Heritage Messages will operate French and English-language systems in the Montreal area on FM at 2 watts (200 milliwatts). The transmitters are to be placed at historical sites to broadcast prerecorded messages describing the specific sites, with licenses expiring Aug. 31, 1994. My guess is that they will be on 89.9 mhz, one of the frequencies Radius International transmitters operate on (see Feb., p. 7, col. 3).

Eric Silverman's MHS Holdings has proposed an FM travelers' service, initially to be in the Charlotte NC area. He'd use five transmitting sites along a 40-km, X-shaped stretch of Interstates 77 and 85 in Charlotte on 92.7 with vertical polarization and directional beams with ERPs up to 84 watts. Programming could be like a Travelers Information Station, and include commercials for area businesses directed to the traveling public. By appealing to such a narrow segment of the public, "we'd be creating new radio dollars, not affecting the present radio dollar. We're going for a whole different segment of the market. I don't think other stations in the market see me as a threat or a problem," Silverman said.

Other Small-Print Happenings and FM Industry News

The FCC cracks down on six Philadelphia area FM stations, rumored to include WXTU, WEGX, WIOQ, WMGK, and WSNI, for overmodulating. It didn't take the action on its own, but only after receiving a confidential "complaint." The warning is that other stations could receive an FCC "visit," so broadcasters should check to see that their audio sounds clean.

Tampa FL public station WUSF *89.7 afternoon classical DJ Ben Jones, who earlier had threatened on-air to quit and go to NYC to improve on his \$17,000/year salary, received an economic shot in the arm. A listener, who has requested anonymity, agreed to give Jones \$30,000 per year for the next eight years—money going direct to Jones, rather than to the station. This has raised the ire of some fellow employees, notably Assistant News Director Susan Lavery, who believes Jones never should have said over the air he might be leaving because of pay. The donor, a wealthy ex-industrialist who retired and moved to FL over 20 years ago, called Jones and asked what it would take to keep him in Florida. The donor agreed to pay the difference in salary between what Jones was making and what the NY job would pay. Jones said he previously was given a car by an admiring fan. "I've always been brought up with the concept that if you work hard you get a reward. I see no reward except a two or three percent increase which is like throwing a bone to a dog," Jones said.

The FCC's throwing out WIOI Brunswick GA's high power FM booster CP, which would have served Jacksonville FL, placed a damper on a sale of the station to Rowland Broadcasting. Deal turned sour when it was learned that the FCC grant was reversed, and the station's market value plummeted accordingly.

New FCC rates to take effect as early as June 1, include \$55 for call letters' changes, extension of time to construct or replace CP \$100, petition for rulemaking for city of license or channel (FM/TV) \$200, and ownership report \$35.

The FCC moved to codify a policy which allowed applicants to add major amendments to existing applications without opening ongoing proceedings to new applications or challenges.

KISM 92.9 Bellingham's AM affiliate, KGMI 790, had its application for an FM translator dismissed by the FCC. The return was due to the freeze on new commercial FM translator applications, as well as the inappropriateness of an FM translator relaying an AM signal.

Financially troubled WJHU *88.1 Baltimore MD lost its manager David Creagh, after licensee Johns Hopkins U. said it will no longer financially support the station after June 30. The MD legislature is considering a plan to take over the station. At stake is the continuation

of WJHU's \$2.8 million budget.

A federal grand jury in Washington DC has indicted communications attorney Thomas Root for fraud involving some 1,000 investors who contributed an average of \$8,000 in the hopes of establishing FM stations through Sunrise Management Corp. Root could face up to 200 years in prison and \$8 million in fines. In August the FCC launched its own investigation of the Root matter, and exactly who was the party-in-interest behind more than 50 dismissed FM applications filed by Sunrise. The new Kirksville MO 107.9 CP was rescinded—as one of the first actions the FCC took in the matter (see "Deletions," above).

Emmis Broadcasting has agreed to purchase a 15 percent interest in Maximum, an FM station in Paris. It plans to use the dance/CHR outlet as a base for a French national network. Business Radio Network has signed an English-language affiliate in the resort city of Cancun, Mexico, most likely XHCUN 105.9.

From the classifieds: General manager KEDM, experience in fundraising, working with CPB, NPR, FCC. Send resume, three confidential recommendations to Dr. William R. Rambin, director, School of Communication, Northeast Louisiana University, Monroe LA 71209-0320.

The 1990 edition of the *M Street Radio Directory* is about to be shipped. It's updated through the end of March (or about two months newer than "Broadcasting Yearbook") along with expanded ratings, market and Canadian station sections; new satellite network information; \$20.00 to M Street Subscribers (last year's book had a list price of \$29.95), which might also apply to FMedia! subscribers. Call them at (703) 684-3622, or write M Street at PO Box 3568, Alexandria VA 22302.

High school seeks donation of used radio equipment for starting an FM station. D. Moore, Nelson Co. High School, 1070 Bloomfield, Bardstown KY 40004; (502) 348-9046.

FM FORUM

CONTRIBUTIONS FROM READERS

Nearly one in 10 major market radio stations eliminated their news departments in 1988 or 1989, according to the Radio-Television News Directors Association. Eighteen percent of stations surveyed in markets with one million or more population said they did not have a news operation, compared to eight percent in 1988.

Dutch auction? WJIB 96.9 Boston is on the block. Emmis Broadcasting wants to sell so money could be invested in buying the Seattle Mariners. Asking price was \$29 million; now it's believed to be near \$20 million. Woody Tanger interested; his brother, Doug, owns nearby WBOQ 104.9 with a classical format. "We'd like to acquire the property, and classical is an option that is open to us, although I probably would only buy and switch it to that contingent on a deal with my brother."

"I hope someone starts tracking the performance of the Doc. 80-90 Class As. I see your newsletter carries a lot of 'suspended operations' or small town new Class As merely duplicating some other stations. No way these can be as efficient as one Class B/C," writes Mike Dorner, who has researched many of the FM changes in LA and MS. He sent an article on how the FCC is now fighting application "abuse," turning down the Marco FL grant (Mar. p. 4, col. 1). This might signal a change in FCC thinking which, during the Reagan-Fowler FCC era, allowed the marketplace to decide among competing applications for a channel how much the unsuccessful contenders would pay the winning applicant. Previously, payments by the winning party could only be to the extent of actual out-of-pocket expenses. And in January, the U.S. Supreme Court agreed to hear whether FCC preferences for minorities and women in awarding station licenses amount to unconstitutional reverse discrimination.

It's not just the elimination of news departments at FM stations (see above), but how it's done that's interesting. Information Bill Nienajadly sent from the NY "Daily News" is about how area stations spice up their 'casts with jokes, music and chitchat. WXRK 92.3 and WYNY 103.5 are in the news-comedy business, especially from 6 to 10 a.m. Here I thought Dennis Miller and "Annoying Man" were it [Saturday Nite Live]!

Mismanagement and charges of carrying sectarian religion may pull WDTR *90.9 off the Detroit airwaves. Fund-raising money, instead of going to the station and helping students, went to flowers, Girl Scout cookies, a rug for an executive bath, and donations to churches. The school-board station is, inexplicably, listed in the *Directory of Religious Broadcasters*. FCC's mum about the case, but the school board is considering hiring a \$200/hour attorney in what may be a battle to keep the station on the air. "WDTR problems are all over Detroit TV news. . . One TV station reported that authorities have discovered a 'receipt for advertising paid for by a gospel music company,'" writes James J. Nahirniak. A program on WDTR that all Detroit must have yearned for was on "the whole body cleansing benefits of enemas."

"Rumors are flying about an imminent format change at album rock 98.7 WLLZ [Detroit], recently acquired by Westinghouse. Their longtime program director has been fired, and they are running no promotions, TV commercials, billboards or bus cards, like all the other stations during the important spring ratings period. They are also giving various members of their air staff vacation time. Album rock and a morning show recently fined by the FCC are not Westinghouse's style. My guess—they will switch to some sort of easy listening or lite rock format."

More speculation—Mark Strickert hears that WYLL 106.7 Des Plaines (the "s" in "Des" is pronounced, unlike in "Des Moines") is supposed to remain religious-oriented under new owners. WYSY 107.9 Aurora is to move its transmitter closer to Chicago at Downers Grove, and may go to some sort of Spanish format or thing (if indeed "Spanish" can be called a "format"). WHSD *88.5 Hinsdale IL has an erratic schedule, sometimes signing off at 8 a.m. and back on at 3 p.m., but other days on the entire day.

Madison's John Marx sent information on the 1990 edition of *Rundfunk Auf UKW* by Wolf Siebel and Gunter Lorenz. "As you can see, it is the German equivalent of your *FM Atlas* and an equally indispensable guide to that country's growing private FM industry. I highly recommend it to anyone travelling in the region this summer." It is 160 pages, "quality paper and a sturdy cover. The cover price is 15.80 Deutsche marks (about \$10.30). The guide is German of course but the station listings are easily understood. Orders can be sent to Siebel Verlag, Bonhoeffer Weg 16, D-5309, Meckenheim, West Germany.

"The private radio scene in Europe continues to grow at a rapid pace—and almost all on FM as near as I can tell. I find these stations to be generally very interesting and quite professional considering their low power. The smaller French and German stations seem to be very community oriented—or in some other way focused on a narrow audience. One of the Munich stations, Radio Xanadu, operates part of the day from a tiny studio in a corner of a department store on the city's huge pedestrian mall. The entrance to the studio is directly off the candy department!

"Your readers may be pleased to hear that I encountered absolutely no trouble taking a Sony ICF-2010 to Europe and back in a carry-on bag, not even in Frankfurt's security-heavy airport. No one so much as asked to look at it," says Marx.

Thanks to Susan Hill, Vice President, Library

and Information Center, National Association of Broadcasters, for including the FM Atlas in the book exhibit in conjunction with the NAB's 68th annual convention in Atlanta. "Our next book exhibit is scheduled for the 1991 NAB convention in Las Vegas, which will be held April 15-18." She was also kind enough to send a copy of the April 23 issue of *RadioWeek*, mentioning the *FM Atlas* as a source of news about SCA utilization.

Rick Shaftan sent an item about WNWK 105.9 being opposed by Newark officials on the station's plan to change its city of license to Jersey City and trying to go all-Spanish. It has 41 languages, with an emphasis on Newark news. The station is being run by interim licensee Global Broadcasting Group, Inc., a non-profit agency, which wants the station to stay in Newark. On March 13, the FCC selected Las Americas Communications of New York as permanent operator to replace Global, and has approved the move to Jersey City. Although WNWK is licensed to Newark, its studios are at 515 Madison Avenue in Manhattan, the former headquarters of the Dumont Television Network. The station has been licensed to Newark for 35 years, and up to 1983 was known as WHBI. It has won four Associated Press awards, and was given a presidential citation in 1988 by Ronald Reagan.

A Boston Globe feature on college radio stations and their impact on supplying personnel to the area's commercial stations was sent by Malcolm Kaufman. The biggest of the student stations is WERS *88.9, "40 years old, with an antenna on top of the Pru that sends out a signal of 3,000 watts to much of New England, is the granddaddy of area college radio stations. Their latest honor was being named Best Radio Station in Boston by Boston magazine." Other stations mentioned are little WRBB *104.9 at Northeastern, WHRB 95.3, a commercial station at Harvard, WMBR *88.1 at MIT, WMLN *91.5 at Curry's, WMFO *91.5 at Tufts, Brandeis' WBRS *100.1 and Framingham State's WDJM *91.3. "This is the best college radio market in the country," said Alan Frank, general manager of Curry College's WMLN. "We all serve different constituencies, but are all preparing young broadcasters to go out in the field." But all don't agree that college radio is a good training ground for commercial radio. Jeff Turton, an Emerson grad, who does a jazz show at WFNX 101.7 says: "They use ERS as a student activity, but it's a communications school. You don't really learn real-life radio, they don't teach what you need to go to a radio station and survive. My complaint with college radio is that people there are having fun and not really learning the craft of radio." Boston University station WBUR *90.9 and the University of Massachusetts station WUMB *91.9 have paid staffs and are not considered "college stations."

Douglas Gault kindly sent information on CFRC *101.9 in his home town of Kingston ON, which has now upgraded and expanded its hours—but still is not on the air all day long during the week. I have a CFRC-FM program guide from 1968 (91.9 then) listing its hours as 6:30 p.m. to 12:00 Thursday, 6:30 p.m. to 2 a.m. Friday, Saturday 1 p.m. to 2 a.m. and Sunday 9 a.m. to 6:30 p.m., with no broadcasting Monday through Wednesday. "There are construction permits for two new facilities at Cape Vincent NY, which is about 13 km across the water from Kingston," writes Gault. "Cape Vincent is listed as 785 people, while Kingston has about 120,000. It should be interesting to see how they serve this area. Their tower site should be only about 6½ km farther than the CFMK tower, which is on Wolfe Island. WCIZ Watertown 97.5 calls itself CIZ Watertown-Kingston and they are involved in local activities, local news and they play the Kingston rock group Tragically Hip."

Until next month, *Bruce F. Elving*

FMedia!

Bruce F. Elving, Ph.D., Publisher
"Publishing Estate," 241 Anderson Road
Esco MN 55733-9413, U. S. A.

A NEWSLETTER OF FACT AND OPINION ABOUT
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Volume 4, Number 6—June, 1990

New FM Station, Translator Grants

AZ Globe KRXS 97.3 3000 h,v; -126 m, Linda C. Potyka
AZ Phoenix K257CD 99.3 (KVVA-FM 107.1 Apache Junction AZ translator, which did not delete). On the air.
AZ Scottsdale K215AL *90.9 (KPHF 88.3 Phoenix; primary not yet on air)
AR Fayetteville K205AA *88.9 (KUAF 91.3 Fayetteville) [ture Communications
CA Chowchilla 93.3 3000 h,v; 100 m, Ven-/
CA Ford City (Taft) 102.1 3000 h,v; 9 m, F. C. Bcstg. [I. Waters
CA Fort Bragg 96.7 1700 h,v; 128 m, Susan/
CA Indio 102.3 660 h,v; 174 m, Ty Stevens Bcstg. [Denver], on air
CO Carbondale K265CS 100.9 (KVOB 99.5/
CO Glenwood Springs K240CC 95.9 (KATM 100.7 Pueblo), on air
FL Ponte Vedra Beach 106.5 3000 h,v; 100 m, Chameleon Bcstg. [m, Don A. Swanson
IA Sioux Rapids 102.9 50000 h,v; 150/
LA New Iberia 93.7 50000 h,v; 150 m, D. C. Jones [Mary A. Chausse
ME Milbridge 93.7 50000 h,v; 150 m, Rose/
ME Thomaston 106.9 50000 h,v; 150 m, J. L. LeVeen [M. R. Williams
MI Buchanan 99.1 3000 h,v; 100 m,/
MN La Crescent *90.1 100 h,v; 263 m, MN Public Radio [Diane Anderson
MO Charleston 106.1 3000 h,v; 100 m,/
NV Logandale K257-- 99.3 (KLUC-FM 98.5 Las Vegas) [m, Dox Radio Partnership
NJ Wildwood Crest WDOX 93.1 3000 h,v; 67/
NM Lordsburg K272-- 102.3 (KNIX 102.5 Phoenix AZ)
K285-- 104.9 (KMEQ-FM 96.9 Phoenix AZ)
NY Henderson (35 km N. Pulaski) 100.7 3000 h,v; 100 m, Jefferson Bcstg. Corp.
NY Hoosick Falls 97.5 1800 h,v; 131 m, Brian Larson, owner of Larsong Productions, Valley Falls NY. James DelMonico of Syracuse, former president of WRGB TV, channel 6, and currently radio and television consultant, is "skeptical about the survival odds for Larson or any new kid on this crowded block. Including college stations, there are 40 AM and FM stations in the Capital District." But Alan Chartok, chairman of noncommercial WJAMC FM, said the market should always put out the welcome mat. "I am a great believer in letting a thousand flowers bloom. If we do it right, various radio stations can be honed to appeal to specific sub-groups. There is a need, for example, for music of the '40s and '50s, and country and talk radio. If there is an audience for the format, it will

succeed." Larson only said that his would be a "specialty station." [A. Bulmer
NY Lake Luzerne 94.7 1400 h,v; 146 m, John/
NY Palmyra (where Joseph Smith supposedly found the Mormon tablets) 99.7 3000 h,v; 100 m, P. Bcstg.
NY Webster (Rochester) 102.7 3000 h,v; 100 m, Webster-Fuller Communications
NC Biltmore Forest (Asheville) 96.5 260 h,v; 340 m, Orion Communications [Bcstg. Corp.
OH Huron 96.1 3000 h,v; 100 m, Firelands/
OH Swanton (Toledo) 107.3 3000 h,v; 100 m, Swan Creek Communications
SC Conway 93.9 3000 h,v; 100 m, C. Bcstg. Co.
TX Bay City 96.1 50000 h,v; 157 m, Ammerman Enterprises [bins Bcstg. Co.
TX Littlefield 95.5 3000 h,v; 100 m, Steb-/
TX Midland 95.1 2500 h,v; 98 m, Three Card Enterprises [Salt Lake City)
UT Laketown K237BG 93.5 (KRFI 100.3/
VT Derby Center 92.1 790 h,v; 189 m, Steele Communications Co. [D. W. Layne
VA Farmville 101.3 3000 h,v; 100 m,/
WI Lomira 106.7 1300 h,v; 155 m, Value Radio
BC There are 11 previously unknown low power stations on 96.1 and 98.1 operated by Native Communications Society, with 20 hours of weekly programming supplied them by a new AM station in Terrace BC with 40 watts on 990 kHz
NS Halifax 96.5 100000 h,v; to be \$, b, Arthur J. Hustins, Jr., taking the format CFDR AM dropped in 1987
PQ La Pocatiere CHGB 105.1 7900 h,v (but must reduce this power so as not to serve Riviere-du-Loup), Mont-Bleu Ltee; to displace CHGB AM. "It would not be economically feasible to replace the outdated AM plant of CHGB, which has served the area for over 50 years."
SO San Luis Rio Colorado 88.5, I, mono, "Radio Sonora," assumed 3000 h,v; 100 m, and listed as a Class A allocation; heard on I-8 at 52 km to Tacna AZ
Denial of Bid
PQ Lac-Etchemin 100.5 9600 h,v. Radio Beliechasse failed to consider the economic impact of its station on existing area stations: CIRB there and CIRO 99.7 St-Georges—both "posted deficits in 1989."

Call Letters Assigned

AL Bay Minette 106.5 WUIF
AL Brantley 104.3 WDHT
AL Trinity 92.5 WUIC
AK Fairbanks 95.9 KXLR (KINQ)
AK Seward *88.1 KUHA
AK Soldotna 96.5 KUHK

AZ Green Valley 97.1 KGMS
AZ Phoenix *89.5 K208BW [/oldies, "Mix"
101.5 KMXX (KAMJ'-FM') r, AC/
AR Beebe 101.5 KPIK
AR Dumas 107.1 KXFE (KDDA-FM)
CA Davis 105.5 KLCC (KYLO)
CA Salinas 102.5 KDON-FM (KDON)
CO Grand Junction 92.3 KJYE'-FM'' (KJYE-FM; AM gets new calls)
CO Sterling 105.5 KPMX (KMXX)
CT Enfield 97.9 WPKX (WJAI), to 1100 h,v; 161 m. "Theirs has been a dogfight for 10 years. Several people have been applying to run it."
FL Miami 97.3 WFLC (WGTR), rm, "Coast 97, all new Coast 97.3 FM." It has "no commercials, never caught an ID." "This came as a surprise to me; I thought 'GTR's ratings were respectable."
GA Warrenton 93.1 WSAA
HI Kawaihae 106.9 KTDH
ID Boise 92.3 KIZN (KIYS), k, "Kizzin' Country," adds +R SCS at 92 kHz (was +X; has +M, 67 kHz)
ID Gooding 101.3 KCRQ
ID New Plymouth 93.1 KZMG (KIZN-FM), rm, "Magic 93." New format preceded by several days of heart-pounding noise and "it's coming" in the foreground. KIZN AM now KUCL 730.
IL Dwight 98.9 WKDL
IL Woodlawn 106.9 WUID
IN Cannelton 102.9 WKCM-FM (AM is in Hawesville KY) ["Magic 96"
IA Clinton 96.1 KMJC (KMJC-FM), still/
IA Eddyville 101.5 KKSJ (KRAM)
IA Winterset 99.5 KTDG
KS Liberal 102.7 KTDJ
KS Manhattan 104.7 KTDF
KY Louisa 92.3 WSAC
ME Harpswell *91.9 WMSJ
ME Presque Isle 96.9 WBPW (WDHP) "Power 96"
MI Grand Rapids 97.9 WGRD-FM (WGRD)
MI Pentwater 94.1 WSAB [FL Madison 102.7 is WIMV
MI Vandalia *89.9 WSAD [(moving from 104.9), s;
MO Charleston 106.1 KSDJ while Havana 104.9 is
MO Huntsville 92.5 KTDI [WMLO, b; correcting an
MO Osceola 92.3 KBUG [error in October, p. 2, col. 1
NE Hastings 98.1 KUHG
NE Lincoln 106.3 KMXA (KHAT-FM)
NH Meredith 101.5 WWSS (WMRQ), rm, "Sunny 101.5"
NH Rochester 96.7 WWEM (WKOS-FM)
NM Espanola *91.1 KTDE
NY Delhi 100.3 WDHI
NY Irondequoit 106.7 WOSB (WQHJ)
NY Poughkeepsie *88.7 WRHV (WMHX)
NY Ticonderoga 103.9 WANC (WXTY)
NC Kinston 97.7 WQDW (WFTC)

NC Rocky Mount *90.9 WUIE
 ND Sarles 105.9 KYWG
 OH Delta 106.5 WUIA
 OH Port Clinton 94.5 WXOF (WOSE)
 OK Clinton 106.9 KSWR (KKCC-FM)
 OK Heavener 92.5 KPRV-FM (KPRV); AM is in Poteau, k
 OK Holdenville 106.5 KUHD
 OK Lawton 95.3 KBZQ
 OK Locust Grove 100.7 KEMX (KWOJ)
 OK Moore *88.1 KMSI
 OR Newport *90.5 KLCO (KGZD) [CHR
 SD Vermillion 102.3 KVHT (KVRF), still r,
 TN Parsons 97.3 WKJQ '-FM''
 TX Huntsville 103.5 KTDD
 TX Johnson City 107.9 KBKK (KBZD)
 TX Los Ybanez 107.9 KYMI [(strict)
 VT Burlington 97.1 WZRT (not WRXT), 'Z-97''
 VA Accomac 99.3 WVES (WKIY)
 VA Buena Vista 96.7 WREL-FM (WVLI); AM is in Lexington VA
 VA Rural Retreat 103.1 WCRR-FM (WYBD)
 WV Bluefield *91.1 WPIR

Facilities Changes Granted

AZ Kingman K224BV 92.7 has KZUL-FM 105.1 Lake Havasu City on it, not KMDX 99.3 Parker, heard in Boulder City NV
 KGMN 99.9 (from 100.1) 930 h,v; 883 m, C2
 CA China Lake K201AD *88.1 has KNPR 89.5 Las Vegas NV, not KUSC 91.5 Los Angeles
 CA Johannesburg KRAJ 103.9 398 m (190 h,v)
 CA Los Osos KLZZ 101.3 3400 h,v; 514 m
 CA Marysville KRFD-FM 99.9 1700 h,v; 663 m
 CA Pacific Grove KOCN 104.9 930 h,v; 181 m
 CA San Fernando KMGX 94.3 34 m (3000 h,v)
 CA San Luis Obispo K232-*94.3 (from K261BN 100.1), having moved because of KRQK Lompoc now on 100.3
 CO Colorado Springs KTLF *89.7 100 h, 400 v, 625 m, d-a, \$
 KEPC *90.5 3700 h,v; 84 m, \$; these two did not swap frequencies, with KTLF now on Cheyenne Mountain "and not interested in a swap. KTSC *89.5 Pueblo off, and suspect deleted, since KTLF puts excellent signal into Pueblo."
 CO Edwards K292- 106.3 (from K244CL 96.7)
 CO Silverthorne K249AX 97.7 off air, but to translate KZYR 103.1 Avon when it returns (instead of KSKE-FM 104.7 Vail)
 CO Vail K296CM 107.1 has KQSL 92.1 Frisco CO, not KRMH-FM 93.5 Leadville
 CT Monroe WMNR *88.1 5000 h,v (122 m, d-a)
 FL Havana WMLQ 104.9 47000 h,v; 154 m, C2
 FL Key West WOZN 98.7 38 m (100000 h,v), C1, not yet on air
 FL Madison WIMV 102.7 (from 104.9)
 FL St. Augustine WUVU 97.9 (from 97.7) 50000 h,v; 147 m, C2
 FL Sanibel WRWX 98.5 2600 h,v; 149 m
 GA Augusta WGUS-FM 102.3 1500 h,v; 203 m
 GA Douglas WDMG-FM 99.5 48 m (100000 h,v), C1 [m, C2
 GA Fort Valley QWBZ 106.3 48300 h,v; 150/
 GA St. Mary's WAIA 93.3 (from 93.5) 50000 h,v; 141 m, C2 [m, B1
 IL Carthage WCAZ-FM 92.1 25000 h,v; 100/
 IL Elgin WJKL 94.3 6000 h,v (64 m)
 IN Angola WEAX *88.3 920 h,v; 46 m

IA Brooklyn KSKB 99.1 (from 99.3) 50000 h,v (51 m), C2
 KY Beaver Dam WVPV 102.7 3000 h,v; 100 m
 KY Jeffersonton WLSY-FM 101.7 1900 h,v (127 m)
 KY Lexington WUKY *91.3 d-a (directional antenna) [(100000 h,v)
 LA Alexandria KRRV-FM 100.3 321 m/
 LA Baton Rouge WBRH *90.3 7000 h,v; 47 m
 LA Tioga KLLA 103.5 50000 h,v (100 m)
 LA West Monroe KYEA 98.3 50000 h,v; 150 m, C2
 MA Boston W242- *96.3 (from W249AX 97.7), off air, but has a conditional grant to change. On 97.7, it caused interference to WCAV Brockton. It is not on "Beacon Hill," but on the WMBR tower in Cambridge, and serves a "generous" WGBH donor in Kendall Square "who couldn't get the main WGBH signal."
 MI Grayling WQON 100.3 (from 100.1) 44000 h,v; 162 m, C2
 MN Minneapolis WCTS *100.3 97000 h,v; 276 m
 MN Spring Grove KQYB 98.3 50000 h,v; 150 m, C2
 MS Natchez WQNZ 95.1 100000 h,v; 322 m, C
 MO Carrollton KMZU 100.7 (from 101.1) 98600 h,v (302 m), C1
 MO Harrisonville KCFX 101.1 (from 100.7) 97300 h, 79600 v, 303 m, C1
 MO Springfield KXUS 97.3 301 m (100000 h,v)
 NV Mesquite K244AI 96.7 has KZEZ 93.5 St. George UT on it (not KSFI 100.3 Salt Lake City UT) [(not KSFI)
 NV Overton K280AV 103.9 has KZEZ/
 NV Jean K285- 104.9 (from K232CP 94.3)
 NV Searchlight K203AX *88.5 (from K201AL 88.1)
 NJ Margate City WFOU 96.1 84 m (3000 h,v)
 NY New York WQCD 101.9 6200 h,v; 413 m
 NY Plainview WPOB *88.5 79 m, d-a (130 h,v)
 NY Syosset WKWZ *88.5 79 m, d-a (130 h,v)
 NC Charlotte WFAE *90.7 228 m (100000 h,v)
 OH Archbold WMT-R-FM 96.1 (having moved from 95.9), A
 OH Clyde WHVT *90.5 2700 h,v; 47 m
 OK Lawton KMGZ 99.5 (from 95.3) 50000 h,v; 150 m, C2
 OK Stillwater KSPI-FM 93.7 16000 h,v; 270 m
 OR Ontario KSRV-FM 96.1 100000 h,v; 147 m
 PA Edinboro WXTA 97.9 2500 h,v (154 m)
 TN Alcoa WYLV *89.1 31 m (3000 h,v)
 TN Collegedale WSMC *90.5 314 m, d-a (100000 h,v) [318 m
 TN South Pittsburg WKXJ 97.3 11000 h,v; /
 TX Gatesville KRYL 98.3 96 m (3000 h,v)
 TX San Antonio KSYM *90.1 3000 h,v; 39 m, adds vertical [h,v; 182 m, C2
 TX Temple KPLE 104.3 (from 104.9) 33500/
 UT Bryce Canyon K276DK 103.1 has KSFI 100.3 Salt Lake City on it
 UT Green River K228AT 93.5 has KIOB 107.9 Grand Junction CO (from KQIX 93.1 Grand Junction) [K216AB 91.1)
 UT Monticello K206AD *89.1 (from/
 UT Rural Garfield County K280CZ 103.9 has KSOP-FM 104.3 Salt Lake City (from KLCY-FM 94.1)
 UT Rural Wayne County K296AA 107.1 has KSOP-FM (from KLCY-FM) [AV 88.3)
 UT Santa Clara K292EJ *106.3 (from K202- /

UT Tremonton KBXQ 105.1 12500 h,v; 301 m
 VT Stowe WRFB 101.7 43 watts h,v; 809 m
 VA Broadway WLTK 96.1 (from 95.5) 2600 h,v; 308 m, B1
 VA Emporia WEVA-FM 99.5 (not 99.1)
 VA Fredericksburg WBQB 101.5 50000 h, 48300 v, 150 m, d-a
 WA Tacoma KVTI *90.9 50000 h,v (214 m, d-a)
 NB Saint John CJYC 98.9 30000 h,v (125 m); its change to 50000 h,v not yet approved by the CRTC
 PQ Montreal CINQ 102.3 1500 h,v (91 m)
 CIBL 101.5 (from 104.5) 220 h,v; (107 m)

Stereo, or to be Stereo

CA Bakersfield KTIE 107.1, Drake Country via satellite
 GA Clarkesville WMJE 102.9 mr, "Magic 103 FM," ID with Gainesville
 HI Honolulu KIPO-FM *89.3
 KY Shelbyville WCKP 101.3
 MA Springfield WSCB *89.5, having finally embraced stereo, now s[oul]
 MT Glasgow KLAN 93.5, tU, 67 SCS
 OK Pawhuska KMYB 104.9, o[Idies], "Y-FM"
 TX Burkburnett KYII 104.7, k
 TX Tyler KTMJ 104.1 mr, "Magic"; not too different from KTYL 93.1. "The new KTMJ has much better audio quality than KTYL."

Monophonic

AL Dothan WVOB *91.3
 CA Calexico KUBO *88.7, with some English-language news, NPR in the morning
 ID Twin Falls KCIR *90.7
 OH Marietta WEYQ 102.1, "even though it is CHR. Antenna problems?" Remove stereo listing for this station.
 WV Hinton WMTD-FM 102.3, remove stereo listing [stereo listing
 WV Princeton WAey-FM 95.9, remove/
 BN Tijuana XHITC 88.7, with morning classical

Format Changes

Formats are the same as in the FM Atlas

AL Butler WQGL 93.5 r
 AZ Flagstaff KVNA-FM 97.5 r, \$
 AZ Kingman KZZZ 94.7 mr
 AR Barling KOLX 94.5 o[Idies], Unis.
 AR Russellville KCJC 100.9 k, Drake Country
 CA El Centro KXO-FM 107.5 mr, "earwash"
 CA La Quinta KBZT 96.7 m, big bands, "K-Best," \$[tereo] [saddens from "K-Joy"
 CA San Diego KJQY 103.7 mr, "Sunny 103.7," /
 CA San Rafael KSRH *88.1 pr
 CO Grand Junction KJYE 92.3 b, no c heard
 CO Widefield KLLI 106.3 mr, \$, facilities to 1600 h,v; 678 m, C2
 CT Salisbury WKZE-FM 98.1 rm, expected on this month; AM is in Sharon, with the FM tower in Millerton NY. WWPR 103.3 Sharon CT not yet on. "There's no way a small town of 7000 could support two FMs. Hope the FCC has better sense."
 FL Goulds WRTO 98.3 S, latin, no longer "Whisper 98.3," and sounding similar to WXDJ 95.7
 FL Key West WEOw 92.5 r, "Southernmost Rock," giving "credence" to the story that

WIIS 107.1 will take over this frequency, formerly known as "Wow 92 FM" [ga (TN)]
 GATrenton WBDX 102.7 sr, ID with Chattanooga-IL Elgin WJKL 94.3 rm
 IL Lincoln WESZ 100.1 k, "Easy"
 IA Bettendorf KGLR 93.5 o [Idies]
 KS Eldorado KBUZ 99.1 r, ID with Wichita
 KY McKee WWAG 107.9 k [country]
 KY Monticello WMKZ 93.1 to be k
 LA Basile KBAZ 102.1 k
 MD Middletown WAFY 103.1 to be rm, \$
 MA Boston WROR 98.5 still r, but now "hot AC," serving the 25-44 demographic
 MA Brockton WCAV 97.9 o, \pm X 67 kHz utilities' load control; \pm S, sports and special events (occasional audio) 92 kHz [stereo]
 MA Framingham WDJM *91.3 p, "they just went/
 MI Houghton Lake WUPS 98.5 still r, but now AC-oldies
 MI Howell WHMI-FM 93.5 r, \$
 MI Otsego WQXC 100.9 rs
 MS Grenada WQXB 100.1 rm, Drake AC
 MS Tupelo WZLQ 98.5 r, AC-oldies
 MO Warsaw KAYQ 97.7 k, Drake Country
 MT Sidney KSDY 95.1 remove \$, format, as is silent and may stay that way a long time
 NV Ely KELY-FM 101.7 r, CHR
 NV Panaca KLNR *91.7 cj, parallel to KNPR *91.5 Las Vegas
 NV Tonopah KTPH *91.7 cj, with KNPR
 NJ Villas WLQE 98.7 k
 NM Santa Fe KSFR *90.7 cj, some m, \$
 NY Dansville WACZ 93.9 r, parallel to WDNY AM, "not known if stereo, as signal very weak"
 NY De Ruyter WVOA 105.1 cg, mostly classical, but some simulcasting in g with its AM, WSIV 1540
 NC Ahsokie WQDK 99.3 k [gospel"]
 NC Albermarle WABZ-FM 100.9 g, "southern/
 NC Lumberton WJSK 102.3 o, "K-102"
 OH Bainbridge WKHR *88.3 p
 OH Columbus WMGG 99.7 r [em Light"]
 OH Geneva WDON 104.9 rm, "The North-/
 OH Uhrichsville WTUZ 99.9 to be k, \$
 OK Oklahoma City KKNQ 92.5 mr
 PA Hazleton WWSH 97.9 mr, soft AC
 PA Linesville WVCC 101.7 p, SMN Z-Rock
 PA New Kensington WMXP 100.7 rs, "Mix Jams 100.7" [classical any more"]
 PA Pittsburgh WDUQ *90.5 j, "hardly any/
 WYEP *91.3 fj, also some ethnic, no "YEP" nonID
 RI Coventry WCVY *91.5 rp, "91½ Rock"
 SC Charleston WSUY 100.7 rm, Unis. 41
 SC Goose Creek WUJM 94.3 rs, back to, "94 Jams"
 SC Kingstree WWKT 98.3 s, still "Magic 98"
 SC Marion WWPB 94.3 rm
 SC Mount Pleasant WDXZ 104.5 rm
 SC Myrtle Beach WKZQ 101.7 rp, "Energy 102"
 SC North Myrtle Beach WNMB 105.5 rm, "B-105," ID with Myrtle Beach
 SC St. George WSYN 106.5 o, "Sunny 106.5"
 TN Germantown WEZI-FM 94.3 mr, soft AC
 TN Kingsport WCSK *90.3 r, \$
 UT Ogden KBZN 97.9 mj, PNM Breeze
 UT St. George KZEZ 93.5 b, no c
 UT Salt Lake City KSFI 100.3 mr, "more

earwash"
 WV Fairmont WRLF 94.3 op (classic rock), \$
 WV Miami WLZT 107.3 o, still "Z-107"
 WV Morgantown WCLG-FM 100.1 rp, \$
 WV Princeton WKMY 100.9 rm, "K-Lite 101"
 WI Washburn WEGZ 105.9 rs, "power"; now "Eagle 106" (not strict)
 ON Hamilton CKLH 102.9 mr
 ON Sudbury CIGM 92.7 rm, "soft rock," with k going to CKSO AM
 BN Mexicali XHBA 104.1 mr "and a little c," \$

On Air (Selected)

AZ Wickenburg KTIM-FM 105.3, having moved from 105.5
 CA Morro Bay K272CG 102.3
 CA Paso Robles K288BO 105.5
 CA San Ardo K249AQ 97.7
 CA Santa Maria K285CX, but a monophonic pick-up of KEAR 106.9 San Francisco
 KY Jenkis WIFX 94.3 with 2800 h,v; 455 m, but "claims to be 50000 watts now"
 MI Interlochen WIAA *88.7, having moved from 88.3 [having moved from 100.9
 NM Las Vegas KLVF 100.7, / [from 90.1
 UT Cedar City KGSU *91.1, having moved/
 UT or WY 95.3 a translator for KMGR-FM 107.5 Orem UT, possibly K237BA Mountain View WY, heard via skip. KMGR-FM says "We know of no translator relaying us. We have only one frequency, 107.5," which is also used by KMGR-FM's on-channel booster in Bountiful UT. [from 102.3
 VA Marion WOLD-FM 102.5, having moved/
 PQ Sherbrooke CBMB *91.7 monophonic, but has a pesky 400-hz tone on all night. "They pause for about 60 seconds on the top of the hour, but no ID, then a resumption of the tone."

Off The Air or Not Yet On

AZ Clifton KJJJ 102.1
 AZ Glendale KCWB 103.5
 AZ Kearny KCDX 105.1
 AZ Phoenix KNAI *88.3
 AZ Yuma KAWC-FM *88.9
 CA Atwater KVRK 92.5
 CA Calipatria KSSB 100.9
 CA Greenacres KAXL *88.3
 CA Greenfield KQKZ 107.9
 CA Guadalupe KOHD 105.5
 CA Imperial KOZN 99.3, and in bankruptcy since May '88, with FCC conditional ly approving sale to Gerald Clifton of La Jolla CA for \$255,000. Clifton has since decided not to pursue the matter, and another buyer is said to be interested. The FCC has scrutinized the station since Dec. '85 when it said Richard Green had claimed to be a U. S. citizen, when in fact he was a citizen of Canada. According to the FCC, Green would not be involved in operating the station and his only "benefit" would be a reduction in his personal liability to the station's creditors. "We were satisfied that Green would not obtain any benefits from the bankruptcy sale and that all proceeds would go to innocent creditors," said FCC Mass Media Attorney Larry Miller.
 CA Julian KBNN 100.1
 CA Kingsburg KJET 106.3
 CA Madera KJDN 107.3
 CA Mariposa KHRA 103.9
 CA Morgan Hill KRAC 96.1
 CA Orange Cove KMAK 100.3
 CA Palm Springs KPSI-FM 100.5 (still on 100.9)

CA San Jacinto KWRP 96.1
 CA San Joaquin KVPC 105.5
 CA Ventura KAGR 107.1
 CA Visalia KARM *89.7, KGYU 96.1
 CA Winton KEAL 98.7
 CA Woodlake KQKZ 107.1
 CO Grand Junction K296AX 107.1, KIOB 107.9
 CA Pueblo KTSC *89.5, KPFR *90.7
 CA Rifle K201AV *88.1, but moving to 88.3
 KWLI 105.3 and translators [changes
 CO Silverthorne K296CK 107.1, has CP for/
 CO Trinidad KCRT-FM 92.5 (still on 92.7)
 CO Vail K232AL 94.3, has CP for changes
 ME Bath WIGY 105.9, "asking price \$1 million. So far no takers."
 MD Federalburg WDLE-FM 107.1
 NV Las Vegas KEDS *88.7, KRBO 105.1
 NV Laughlin KLUK 107.9
 NV Mesquite KIPP 97.5
 NM Alamogordo KINN 105.3 (still on 105.5)
 NM Las Cruces KLVK
 NM Las Vegas KEDP *91.1
 NM Los Lunas KBBU 102.5
 NM Socorro KMXQ 104.7 (still on 92.7)
 NY Syracuse WFNY *90.3
 OH North Baltimore WHMQ 107.7, but "rumor has it that it will soon be on the air"
 OR Grants Pass KFMJ 96.9 (along with KYJC AM Medford), "Silent pending sale"
 OR Phoenix KHUG-FM 105.1, along with its AM; former address shunned by the postal service: "Forwarding order expired"
 PA Tioga WPHD 93.3—will probably displace WNGZ translator serving Elmira and Corning on 93.5
 PA Tunkhannock WEMR-FM 107.7
 TN Manchester WMSR-FM 99.7, having been sold, to be silent for up to four months. Will be back on with a new 387-m tower (100000 h,v) and undisclosed format.
 TX Kenedy KTNR 92.1
 UT North Moab K213BC *90.5
 UT Price KPRQ 100.9 (along with AM), until sale
 ON Learnington (no CP granted yet) will be 96.7, "if the CRTC allows CHYR to abandon AM for FM"
 PQ Riviere-du-Loup CION 103.7, not yet on, had its application to change transmitter site from the south shore to the north shore of the St. Lawrence River denied. Six area stations opposed the move, and the CRTC said the change would reduce service on the south shore.
 SO Nogales XHNS-FM 106.7

Deletions

AZ Tucson K265CW 100.9, a CP since 2-88
 CA Barstow K221CR *92.1, a CP never activated
 CA Fresno K232AY 94.3 "off the air for good." Was on for a while, giving the new KTAA 94.3 Kerman CA interference.
 CA Morgan Hill KOME-2 98.5
 CO Colorado Springs K208BE *89.5 (had been on 88.1 for a few weeks after leaving 89.5), "was short-lived and has not been heard since early March."
 CO Eagle K252CH 98.3, K272AF 102.3
 CO Glenwood Springs K272AI 102.3
 CO Grand Junction K288EI 105.5, 107.1 K296-AX; I was told a relay of KSTR-FM 96.1 Montrose, which I suspect to have been cable leakage, existed in Grand Junction.
 CO Lake George K204AI *88.7
 CO Manitou Springs K205AE *88.9 K211AW *90.1
 CO Mesa K252BP 98.3
 CO Mintum K249AS 97.7
 CO New Castle K244DB 96.7
 CO Palisade K252AT 98.3
 CO Parachute K244AP 96.7

CO Silverthorne K296CK 107.1
 CO Sylvan Lakes K244BP 96.7
 CO Vail K2408M 95.9
 UT Boulder K280BL 103.9
 UT Fruita K296DO 107.1
 UT Hurricane K296AF 101.7
 UT North Moab K232AR 94.3
 UT Orderville K272BJ 102.3, K276DO 103.1
 UT Panguitch K257AG 99.3, K272BA 102.3
 UT Springdale K216BC *91.1

SCServices, 57, 67, 76 and 92 kHz
Symbols are as in the "FM Atlas"

AL Dothan WRWA *88.7 tC, 67, relaying
 WKSJ 94.9 Mobile
 CO Alamosa KRZA *88.7, tU, 67; rj main
 carrier, \$
 CO Denver KUVU *89.3 tU, 67
 FL Miami WLYF 101.5 no SCS (had tC, 67, no
 longer carrying WNWS AM)
 FL Pensacola WUWF *88.1 tU, 67
 FL West Palm Beach WEAT-FM 104.3 tE, 92,
 "sounds Arabic" [tP discontinued]
 GA Griffin WKEU-FM 97.7 no SCS (92 kHz/
 ID Blackfoot KLCE 97.3 tM, 67; tR, 92
 ID Boise KBSU *90.3 t tal k, 76 kHz; reception
 did not spread into 67 or 92 kHz frequencies,
 and easily heard on tunable SCS equipment
 ID Pocatello KZBQ-FM 93.7 no SCS (not
 "KZRQ-FM," as on p. 156 FM Atlas-12),
 now "The Country Q" (from "K-94")
 ID Rexburg KADQ 94.3 no SCS
 KRIC *100.5 tT, 67; tU, 92
 MA Amherst WFCR *88.5 tX, 67 (retains tT,
 92), ABB utilities' control
 MA Boston WBUR *90.9 tE, 67 (not tX),
 Japanese; 92 kHz remains tY
 MA Cambridge WHRB 95.3 tE, Italian, 67
 MA Haverhill WLYT 92.5 tX, 67, utilities load
 control—as at WBRU Providence RI and
 WCAV Brockton (see above, "Formats") and
 WFCR Amherst. "Massachusetts Electric in
 Westboro sends the control signals to the five
 stations via a phone line. Customers get a
 discount from the utility for allowing load
 control on their heavy-use appliances."
 MA Medford WXKS-FM 107.9 no SCS—the ARI,
 doctors and the Chinese all vanished. The
 Chinese left "because they didn't pay their
 bills."
 MA Springfield WAQY 102.1? "The local Muzak
 company is advertising they now have five
 channels of background music available. I
 believe they are using the SCA Data Systems
 Music 4 Single Sideband System."
 MA Worcester WCUW *91.3 tR, 67 (no tY)
 WSR 96.1 tX, 67; tC (WTAG AM relay) moves
 to 92
 MT Butte KOPR 94.1 no SCS (had tM, 67)
 MT Helena KBLL-FM 99.5 tM, 67
 NV Las Vegas KNPR *91.5 tY (Multicom-type
 data, replacing talking for the blind), 67; tU
 (telemetry), 92 kHz
 KOMP 92.3 no SCS (had tU, 67)
 NM Albuquerque KANW *89.1 tU (low frequen-
 cy hum), 67
 NM Farmington KPCL 95.7 tU, 92
 KRAZ 96.9 tU, 67

NM Portales KENW-FM *89.5 tU, 92
 NC Asheville-Greensboro WKRR 92.3 no tR,
 67; retains tU, 92
 NC Burlington WPCM 101.1 no 67 kHz SCS (had
 tM); has tS, 92
 NC Charlotte WBT-FM 107.9 still tM, C, but 92
 now mainly a relay of WBT AM, "the
 colossus of the Carolinas," carrying farm
 news from WPTF AM Raleigh via satellite
 only occasionally
 NC High Point WWWB, "B-100," adds tM, 67;
 still tR, 92 [try]; still tS, 92
 NC Lexington WWGL 94.1 tU, 67 (teleme-/
 NC Salisbury WRDX 106.5 tX, 67; tR, 92
 RI Providence WHJY 94.1 no SCS (had tM, R)
 WBRU 95.5 tX, 92; retains tT, 67)
 TX Corpus Christi KEDT-FM *90.3 tU, 92
 UT Bountiful KLVV 99.5 tU, 92
 VA Cape Charles WKSX 96.1 tU, 67
 VA Williamsburg WQSF 96.5 tY, 67 (was tM),
 no 92
 WY Greybull KZMQ-FM 100.3 tU, 67
 WY Riverton KTRZ 93.1 tU, 67
 ON Ottawa CKCU 93.1 adds an SCMO, unknown
 format, frequency [format, frequency
 ON Toronto CJRT *91.1 adds SCMO, unknown/
 In CANADA where SCMO listening by the
 general public is legal, Dayton Industrial
 Corp. has named Chum Satellite Music
 Division (related to CHUM 104.5 Toronto) as
 distributor of its SCMO radio and other
 related products. "Chum operates franchises
 and distributes both AEI and Muzak in
 Canada and has been in the background music
 business for over 20 years. . . Of principal
 interest are the Dayton Industrial AF161
 SCA tuner/receiver with Automute and the
 AF161S simultaneous (67 and 92 kHz
 subcarrier output) version."
 WEST GERMANY—The Deutsche Bundespost is
 considering whether or not to liberalize use of
 FM subcarriers to provide for other than ARI
 and RDS at 57 kHz. Groups have approached
 authorities for "private" use of SCA, notably
 paging.
 CUE Paging Corporation was sold by Nokia
 Corp. of Finland to Seltech Satellite Corp. of
 Toronto. "Seltech is looking at using Cue's
 network for much more than traditional
 paging," writes *Data Broadcasting Report*.
 Cue has only 30 percent penetration among
 its 60,000 subscribers who pay for the
 nationwide service. A traditional paging
 company, not on FM/SCS, is Skytel, based in
 Jackson MS, with 64,200 national customers.
 Nokia never got the "hang of running a
 service business, with emphasis on cellular.
 Seltech hopes to add non-paging uses to its
 Cue sideband network (57 kHz), but this is an
 old idea, with Cue's former owners, American
 Diversified and Spantel, both having poor
 successes at such."

NonIDs, Not Just Slogans

Mentioned on air usually without call letters;
 "strict" if a station only uses call letters once per
 hour as required by the FCC (at or near the top of
 the hour)

AL Enterprise WKMX 106.7 Max 107 (from
 "KMXX") ["Sunny 96"], not strict
 CO Denver KSYY 95.7 Sunny 95.7 (from/
 CT Norwich WCTY 97.7 no nonID, hasn't been
 "Country Lovin'" since giving up that Peters
 Productions format and replacing it with
 Drake Chenault's country format. WCTY
 plans to be on a higher tower in nine months.
 CT Willimantic WILI-FM 98.3 I-98
 FL Callaway WBKL 103.5 Kool 103, ID with
 Panama City [try (from "Q-103")]
 FL DeFuniak Springs WQUH 103.1 Q-Coun-/
 FL Jacksonville WKQL 96.9 96.9 Cool FM
 WCRJ 1-07.3 The Rooster (from "Country
 107")
 FL Panama City WPFM 107.9 The Great 108
 (from "108 FM, The Country K")
 FL Starke WEAG-FM 106.3 Eagle 106.3, ID with
 Gainesville [(from "Z-103")]
 FL Tallahassee WTHZ 103.1 Rock 103/
 GA Cleveland WGGA-FM 101.9 Georgia 101
 (used more often than "Georgia 101.9")
 GA Royston WPUP 103.7 The Pup, ID with
 Athens
 IL Summit WARG *88.9 The Radio Alternative
 IN Corydon WGZB-FM 96.5 B-96.5
 KS Arkansas City ("Ar-kansas City," pronounced
 like the river, not "Arkansas City") KWKL
 106.5 Cool 106.5 (from "Light 106.5")
 KY Corbin WCTT-FM 107.3 T-107
 LA New Iberia KDEA 99.1 Easy
 ME Norway WOXX 92.7 93-X, country music via
 satellite
 MA Pittsfield WRCZ 101.7 Z-101.7
 MN Pipestone KISD 98.7 Kiss-FM, still r, "heat"
 MS Biloxi WQID 93.7 The Q (from "93.7 QID")
 MS Hattiesburg WHER 103.7 Eagle 103
 MS Meridian WZMP 95.1 Z-95, \$
 MO Eldon KLOZ 92.7 Z-93 [r (hits), \$
 MT Great Falls KMOM-FM 94.5 is 94.5 (strict),/
 MT Lewistown KLCM 95.9 K-96
 NM Los Alamos KPZA 106.7 K-Bomb
 NM White Rock KNLA 101.1 LA-101, o
 NY Buffalo WMJQ 102.5 Majic 102-5, centi-
 metering toward rs, but still mainly r
 NY North Syracuse WEZG 100.9 Lite 101 FM
 NC Davidson WDAV *89.9 Classical 89.9
 NC Kinston WKNS *90.5 K-91
 NC Morehead City WRHT 96.3 Sunny 96
 NC Roxboro WKRX 96.7 97 Country
 NC Shelby WWMG 96.1 Magic Oldies 96
 OH Alliance WDJQ 92.5 DJQ (from "HitRadio
 92") [(not "Magic 93")]
 OH Cincinnati WAKW *93.3 Majesty 93/
 OH Niles WNCD 106.1 and PA Grove City
 WRKU 95.1 both known as "The Wolf," with
 WKRU relaying WNCD
 PA Beaver Falls WWKS 106.7 Kiss 107 (from
 "Kiss 106.7")
 PA Erie WCCK 103.7 K-Hits 104
 PA Franklin WFRA-FM 99.3 Mix 99.3
 PA Johnstown WKYE 95.5 95-KYE (from "Key
 95")
 PA Mercer WWIZ 103.9 I-104 (from "10-4")
 SC West Columbia WSCQ 100.1 Q-100 (from
 "Lite Rock 100")
 TN Chattanooga WDEF-FM 92.3 no nonID,
 "Easy 92" now "rarely used," still b
 WV Clarksburg WVHF 92.7 Stereo 93 (from

"V-93")

WV Mullens WPMW 92.7 still "C-92" and no call letters change. "I have no idea why we call it C-92!" [ing "Lite Rock 97" out
WV Wheeling WKWK-FM 97.3 K-97, throw/
WOVK 98.7 99 Country

Multi-City IDs in Use

AL Andalusia WWSF 98.1, "98 Surf FM," with Fort Walton Beach FL
CO Alamosa KALQ 93.5 with Antonito
CO Colorado Springs KILO 93.9 with Pueblo, but no longer with Denver
GA Waycross WHFX 103.3, "Fox 103," with Brunswick-Jacksonville (FL)
MA New Bedford WCTK 98.1 with Providence RI; is owned by Hall Communications—same as WCTY 97.7 Norwich CT and WOKO 98.9 Burlington VT, all country formatted
NC Black Mountain WMIT 106.9 with Asheville and a third, rotating city, and IDs with WFGW AM
SC Lake City WQTR 100.1 with Florence
SC St. Andrews WGTM-FM 100.9 with Georgetown
TX Midland KNFM 92.3 with Odessa
WA Richland KFAE *89.1 with Pasco-Kennewick, still has 1T, 67 SCS
WV Beckley WJLS-FM 99.5, now \$, with Bluefield-Princeton-Oak Hill

AM Happenings Most Likely Caused by FM

AZ Flagstaff KCLS 600 silent
CO Denver KLZ AM 560 in a direct bid at FM-listening teenagers, implements a "Lock It In and Rip Off the Switch" promotion. Billboards



proclaim "Too Loud for FM." Station went Z-Rock, to complement KAZY (FM) 106.7
FL Homestead WOIR 1430 silent
FL Marco WMIB 1480 silent
FL St. Augustine Beach WHWY 1170 is a "tourist radio station heard along I-95," serving as a beacon
GA Augusta WCKJ 1230 silent
GA Camilla WCLB 1400 silent
GA Valdosta WFVR 910, "Vacation Radio, the official voice of Florida Welcome Stations, Exit 79," and heard along I-10 and I-75 in north Florida, Lake City region. "Guess this is to combat the Disney Radio on 107.9 (FM)."
KY Inez WFJT 1590 silent
MS Columbus WCB1 550 silent
MS Greenville WDDT 900 silent
MS Monticello WMLC 1270 silent
NC Reidsville WRNC 1600 silent
SC Gaffney WFGN 1180 silent, had been religion
SC Spartanburg WKDY 1400 silent
TN Colonial Heights WPRQ 870 "silent pending sale"; had been religion
TN Fairview WPF D 850 silent; had been country
WA Lacey (Olympia) KTOL 1280 silent
WV Beckley WIWS 1070, formerly WCIR, now "travel information"

FM Rulemakings Proposed

First date below is deadline for filing comments at the FCC; second date is for replies. Stations affected, if any, are listed before the dates.

CA Frazier Park 98.1A, counterproposal
CA Garberville 103.9C1, June 22, July 9
CA Healdsburg 95.9A, June 21, July 6
FL Gretna 93.3A from 100.7A, WGWD, "show cause/why not?"
FL Marianna 94.1A from 93.3A, June 14, 29
FL Quincy 100.7A from 102.7A, June 14, 29
FL Tallahassee 103.1C2 from A, WTHZ, June 14, 29 [-FM, June 14, 29
GA Americus 94.7C3 from 94.3A, WDEC/
GA Homerville 98.7A from 105.5A, WBTV, "show cause/why not?" [July 2
GA Lakeland 1105.9C3 for A, WHFE, June 15, /
GA Staeville 98.7A, June 15, July 2
KY Glasgow 105.3C3 from 105.5A, WOVO, June 14, 29 [June 14, 29
KY Pikeville 106.7C3 for 92.1A, WDHR, /
MS Clarksdale 106.5C2 for 106.3A, WAID counterproposal
MO Doolittle 104.5A for 97.1A, with Steelville
MO Lincoln 98.5A, counterproposal
MO Osage Beach 100.9A for 93.5A, KYLC, with Steelville [counterproposal
MO Steelville 93.3C1 from C2, KNSX/
NM Hobbs 96.5A, June 18, July 3
ND Bismarck 101.5A, June 21, July 6
ND Dickinson 99.1C3, June 21, July 6
SC Charleston WSUY 100.5C3 at Sullivan's Island counterproposal, or 100.5A from 100.7A, with Little River
SC Estill 100.5A, counterproposal
SC Little River 95.3A, counterproposal
TN Tiptonville 101.3C3, counterproposal
WA Warren 96.3C3, counterproposal
WV Matewan 92.1A from 106.7A, WVKM, "show cause/why not?"

FM Rulemakings Finalized

Dates are when FCC filing windows are open
AL Linden WDAL 98.5C1 from C2
AL Monroeville WMFC-FM 99.3C2 from A
HI Kailua-Kona KLU A 93.9C from 93.7C1
MS Clarksdale 96.5C3 from A
MS Hazlehurst WMDC-FM 100.9C3 from A
MS Lexington WDLG 102.5C3 from A
TX Arlington KHY1 94.9C from C1
TX College Station KTSR 107.3C3 from 92.1A
TX Howe 95.3A, June 8-July 9
TX McKinney KSSA-FM 106.9A from 95.3A

Broadcasting Yearbook and the M Street Radio Directory Reviewed By Bruce F. Elving, Ph.D.

If you're in radio as an engineer, manager or owner, or employed in an allied field, you've undoubtedly heard of either the *Broadcasting Yearbook* or the newer *M Street Radio Directory*. To be fully informed of the industry of which you are a part, it makes sense to avail yourself of one or both of these references. And if you're interested in new employment opportunities, markets in which to invest, or if you're selling to the broadcast industry and want to compile your own mailing list, here are the places to begin.

There was a time when the only way to buy the venerable *Broadcasting Yearbook* was to subscribe

to the weekly *Broadcasting-Telecasting* (now *Broadcasting*) magazine. Now either publication can be subscribed to independently. Personally, I trust *Broadcasting Yearbook* ("BY") more than the magazine—at least for the FCC actions. The listings ("For the Record") near the rear of the magazine are squeezed into a space before the classifieds, providing variable amounts of detail from issue to issue, and giving the impression of having been assigned to new staff members. The true "reporting" and editing of that rag is to be found in the news and features sections more to the front.

For FCC news freaks like myself, I prefer the weekly *M Street Journal* for its excellent organization and readability. The *M Street Radio Directory*, on the other hand, although slick, compact and easier to carry along on a trip, is incomplete. It is only radio (no television or cable as BY has), and the station listings, while giving addresses, offer no personnel listings. It has coded program listings, but no indication of which stations transmit in stereo. BY (1990) does give personnel listings, and the redeeming thing is that the editors have managed to turn out the massive volume (measuring 4 cm thick and perfect bound in sections lettered A through I) in record time. I was one who ordered at a pre-publication discount from the normal \$115.00 list price and received my copy in March. Information in it was fresh through early January, 1990, which indicates a lead-time of only two months before getting the book out to the readers. Previously, I felt that by the time you get BY it's six months out of date. The 632-page *M Street Radio Directory* (1990) also evidences a two-month delay in getting the material to the readers, but its appearance in May, 1990, makes its data two months more recent than BY.

To people compiling mailing lists, BY remains the best bet, although it's not perfect. Several 10-watt educational FM stations are shown in the state of Utah, for example—stations which have long since left the air, and await only formal FCC action to delete them. Listings continue to be carried year after year

without change when a station fails to respond to BY's questionnaire. Other stations are quietly removed from the listings, but their magazine has not previously indicated that they had been deleted. Of the two, I trust BY more. You will find an address for CPs, even if it's a corporate address in a distant city. M Street could improve its procedures just by copying the addresses given in *Broadcasting* magazine when a station is applied for and/or when it is given its construction permit. For example, the new WQNJ 98.5 Ocean Acres NJ has no address given, just the fact that it is a CP issued to Seaira, Inc. Where, in fact, is Ocean Acres? It isn't in my national ZIP Code Directory or on my Rand McNally, although examination of the station's geographical coordinates from another source shows it to be near Manahawkin NJ, and probably serving the Manahawkin-Toms River market.

I like BY's paragraph arrangement of station entries, the people listings, the information about stereo and advertising rates. M Street is good in listing stations, AM and FM, by frequencies within a city. BY's old idea of listing FM stations under the ownership of AM stations in the same city is confusing. To look up Salt Lake City's KCPX FM, you are told that "listing follows KUTR (AM)." It would make more sense to recognize that FM is taking hold, and create the primary listing under the FM calls, or have the main listing under whichever station occurs first alphabetically, AM or FM. The M Street directory is superior if you're a ratings fan and want to check on the Arbitrons or Birches of various stations.

Technically, both books are deficient. With almost all FM broadcasters embracing vertical or circular polarization (in addition to the usual horizontal only), each book fails to mention the use of vertical, except for the rare stations which have different h & v powers. They list directional AM stations, but not directional FMs, such as KATZ-FM 100.3 Alton IL, with a lobe favoring St. Louis MO. The FCC has long since converted to metric, and I'd hope in not too many years we'd be treated to

meters above average terrain instead of feet. For a while *Broadcasting* was giving the data metrically, and I am suspicious of some clod with a calculator multiplying (or would he forget and divide?) the 100 meters announced by the FCC to come up with 328 feet, or maybe he'd round, and the 328 feet would become 330, with the metric then becoming 101 meters (with rounding).

Without taking up too much space, both references could also mention the station's slogan or "nonID," and cities given in their station ID (in addition to the city of license). Agencies, the public and often broadcasters themselves refer to a station such as WHTZ 100.3 Newark (NJ)-New York City simply as "Z-100."

Outside the main listings, you find a subdirectory showing station call letters. I like M street's better because there you'll find AM and FM grouped, whereas in BY you need to search out the separate U. S. AM, U. S. FM, and TV calls. Canadian listings in BY are woefully incomplete, and fail to include many high power Canadian Broadcasting Corporation stations and relayers. Existing for several years on the U. S. border are French CBC station CKSB-9 *89.1 and English CBC station CBQQ *90.5, both with 50 kw, in Fort Frances ON (International Falls MN). They rate nary a mention in BY, but they do grace M Street's pages.

Mexico is given almost non-existent coverage, except for some Tijuana stations appearing in BY's San Diego listings, but no Mexican invasion of such markets as El Paso or Laredo is acknowledged in either book.

There is also a section, "M Street Radio Markets" near the back of the M Street book. Missing from the 1990 edition, but present in the 1989 edition, was a listing of "Pending AM/FM Applications." Now to get that information you would have to go to the NTIS microfiche, or compile your own lists from what the *M Street Journal* or *Broadcasting* prints. BY does, however, have a list of "FM Allotments," however never up-to-date enough to enable one to do one's

own channel searches. Helping in the process is a summary of FCC rules in BY and a listing of a variety of consultants (technical, legal and programming) you could turn to. BY is, however, myopic in not listing companion publications (competitors?) like *Radio and Records*, *Television Factbook*, and their only listing of books in the field is confined to international broadcasting.

Both books have features to uniquely recommend them. *Broadcasting Yearbook* is \$115.00 from Broadcasting Publications, Inc., 1705 DeSales Street, N.W., Washington DC 20036. *M Street Radio Directory* is \$29.95 from the M Street Corporation, PO Box 3568, Alexandria VA 22302. When ordering, you can help either publication out by including a minimum \$3.00 handling and shipping.

FCC Removes WVXU Admonishment

Admitting to the error of its ways, the FCC has rescinded a ruling against WVXU *91.7 Cincinnati regarding on-air underwriting credits, saying that they were not "persuaded that the language at issue is clearly promotional as opposed to identifying." WVXU received the news with "pure delight," but noted that the FCC fight cost it \$15,000 in legal bills and \$15,000 in lost underwriting. Station was represented by Gerald Stevens-Kittner of the Washington law firm of Arter & Hadden. WVXU had been admonished by the FCC in November for various on-air credits which were said at the time to be "qualitative and promotional in nature."

Jones Booted Out At WUSF

Ben Jones, classical music host at WUSF *89.7 Tampa FL, is no more--at least at that station (see last month, p. 7, col. 3). He made news when it was announced that he had personally received \$30,000 per year from a fan who liked his announcing style. Seems Jones was not an English-born announcer, and he did not have the degree from the University of Wales he claimed he had. "Because I was not hired as an educator, but as an entertainer, I engaged in some deception in order to secure a role," Jones said. "It's a real tragedy not to be able to serve this area. It's a bizarre sort of a situation." An unknown person had the university check Jones' credentials--even station manager John Young was not sure who. A national search is going on for Jones' successor, with other staff members taking care of his shift after the firing.

Is It—Or Was It—Translator Abuse?

Moody Bible Institute has filed 58 FM translator applications with the FCC in the days since the compromise with Family Stations, Inc., National Public Radio and the National Federation of Community Broadcasters was hammered out. All of the applications—accepted by the FCC but not yet granted—are in areas having at least one public radio channel open. States enjoying Moody FM translator applications are LA, IN, KS, NM, AR, CA, CO, CT, FL, GA, ID, IL, KY, ME, MA, MS, MO, NJ, ND, OH, OK, SD, TN, TX, VA, WY. The FCC cut-off date for petitions to deny or mutually exclusive applications was May 1. However, an additional 32 Moody applications were turned back by the FCC on April 3.

San Diego's KPBS and Mexican Station Sign Accord

KPBS *89.5 San Diego joins with XHITT Tijuana in simulcasting KPBS' Spanish-language programming. XHITT, licensed to the Institute of Technology, airs news, classical music and cultural programming, and also reaches most of San Diego county. No information is at hand on XHITT—whether FM or AM and its frequency.

Eleven NY FMs Fight Landlord In Rent Hike Dispute

Eleven New York city-area FM stations have put aside their competitive differences to battle Helmsley-Spear, Inc., which wants to double their rents in exchange for revamping the Empire State Building's master antenna system. Stations are WHTZ, WXRK, WNSR, WRKS, WBSL, WBAI, WSKQ-FM, WNEW-FM, WOXR-FM, WLTW and WNCN. They're said to be in the midst of "fierce negotiations" and have named Tom Chiusano, WXRK general manager, to represent them. Said one (unnamed) executive: "If you own a car for four years you need a new one. If you have an antenna for 25 years, you need a new one. We'd like to see a new antenna erected high up in the tower in the building which would improve the quality of our signals. And we'd like to maintain the old system as a backup."

Helmsley-Spear has agreed to revamp the antenna—but they demand double the current \$80,000 per year for their rent leases on the transmitter rooms. Station executives are calling this extortion, but Helmsley calls it good business. "Charges for the new leases will reflect the improved range and clarity, but will not be exorbitant," Lloyd Kaplan of Helmsley said.

Some New York FM stations bill \$20 to \$25 million annually, turning a profit of \$8 to \$9 million. Looked at it that

way, paying \$160,000 a year for a tower site is peanuts. Already Z-100 seems to be having a change of heart, wanting the antenna, and willing to pay, "but we're trying to go in and cut a good deal, in the spirit of compromise," said Gary Fisher, station's general manager. I recall seeing the antenna in the mid-1960s, just below the 89th floor public observation area, designed by Alford, and slant polarized, sending out more horizontal than vertical effective radiated power. Elements were placed all around the building, so that there was no obstruction for the FM signals. Transmitters occupied the floor or floors below, with a combiner sending the signals to the antenna.

Traffic Gridlocks Reported by FM/SCA and TV VBI

Los Angeles is willing to try anything in its war against freeway congestion. Traffic signals are now being sent via TV vertical blanking intervals over KHSC TV, channel 46, Ontario CA, in a "teletext"-type fashion to signs. FM subcarriers are part of another project, billed as an experiment. General Motors is supplying 25 cars equipped with navigation systems and electronic map displays from Etak, Inc. in Menlo Park CA. The Etak devices will be configured to receive and display data from the L. A. Traffic Operations Center, transmitted over subcarriers of an unnamed FM station. "Traffic jams will appear on maps, textual data will appear at the bottom of the screen and, in some cars a voice synthesizer will generate spoken information. The project will attempt to determine whether graphics, text, or voice is most effective or whether they work best in combination." Tests were to have begun early last month, according to information published by the National Association of Broadcasters.

Traffic information in Minneapolis has migrated from AM to FM, with the signs formerly saying to tune in "1610 AM," now mentioning "88.5 FM when light is flashing." KBEM *88.5 bills itself as the "jazz and traffic information station," carrying lots of rush-hour reports. I thought the signals to the signs might go by way of KBEM's 67 kHz SCA, but in checking the roads during Twin-Cities rush hours, I never saw any of the signs lighted and KBEM's open carrier SCA remained without change, even when the station was doing the live reports.

Emerald Poised to Move Into Other Nearby Major Markets? Opposition to its Georgia Move-In (from Alabama) Mounts

Industrywide speculation that Emerald Broadcasting's proposed move of WHMA-FM from Anniston AL to Sandy Springs GA, an Atlanta suburb, might create a rash of such move-ins could prove

warranted. Emerald parent company, Crown Broadcasting, has purchased stations in position for similar FM moves in four other markets: KFFN 100.9 Sierra Vista (near Tucson), KTRR 102.5 Loveland CO (near Denver), KZXY 102.3 Apple Valley CA (near Riverside) and WBEX AM and WKKJ 93.3 Chillicothe OH (near Columbus). Meanwhile, WHMA-FM Operations Director Thomas Hutchinson has filed comments at the FCC opposing Emerald move-in proposal. Comments were also sent to AL Congressman Glen Browder (D), and Senators Howard Heflin (D) and Richard Shelby (D).

FM Service in Peril, NAB Claims

NAB and four other groups told the FCC that growing interference on the FM band, aggravated by the use of directional antennas, threatens FM service nationwide. The NAB, along with the four groups (Association of Broadcast Engineering Standards; duTrell, Lundin and Rackley; Greater Media, Inc.; Mullaney Engineering, Inc.), said the use of FM directional antennas is "technically unsound" under today's rules. It urged the FCC to reassess its 1988 decision allowing such antenna use, asserting that the antennae do not prevent interference among stations closely spaced on the FM band. The NAB is not new to opposing this proposal of the FCC, having also done so in 1988. In the latest filing, the five groups urged the Commission to:

1. Reexamine thoroughly all technical data that led to the adoption of current federal rules on contour protection and their adequacy to accurately predict interference.
2. Return, during this review, to distance separation standards for allocation and assignment of FM stations.
3. Reinstatement the case-by-case approach for considering special waivers for distance separation requirements, consistent with past and present policy.
4. Revise immediately the Commission's FM antenna installation, filing, and maintenance requirements.
5. Suspend the application and use of contour protection rules adopted by the FCC in December, 1988.

Bonneville Fails to Buy Ailing FM in Salt Lake City, Wishes It Still Owned KSL-FM (now KSFI)

Bonneville International Corporation has been denied a waiver of the FCC one-to-a-market rule to allow purchase of KRPN 107.9 Roy-Ogden UT. KRPN is a "failing" operation, still on the air, and masquerading as "WKRP Salt Lake City." The FCC was unpersuaded by Bonneville arguments that the station had failed to find another buyer and that Salt Lake

City is large enough to support cross-ownership. In denying the request, the FCC pointed out that the Mormon Church is directly or indirectly affiliated with the ownership of KSL AM and TV, KBYU *88.9 (and TV) Provo, and the Deseret News, the major daily newspaper in the market.

Canadian Campus FM Broadcasting Growing

CKDU 97.5 Halifax NS reports it has reached its funding goal of \$40,000 in pledges. This money, collected from listeners, is about 20 percent of the station's budget. It's the only public, nonprofit station in the province and employs seven full- and parttime staff, as well as utilizing the services of 200 volunteers. The FM stereo station recently celebrated its fifth anniversary.

"CKIC Radio Acadia" was recently looking for a general manager. The station is growing and "may move towards FM broadcasting."

St. Mary's University in Halifax has had its application for an FM station rejected by the CRTC. The Commission said the station would fail to provide the diversity expected of student stations. The Radio Saint Mary's Association, which operates "CFSM" on the campus, had indicated they would surrender the carrier-current license once an FM licence was received.

Those items came from Broadcast Technology, a Canadian magazine, which last month featured CKOT-FM-AM Tillsonburg ON, and quoted from my travels in introducing the feature on this successful Canadian small market station: "Last summer, a Minnesota publisher was travelling through southern Ontario, on his way to attend a seminar in New York state. On his car radio, the sound of a different, enjoyable FM station attracted his attention. . . CKOT-FM [is] in the town of Tillsonburg (population 12,000). The station's format, he said, would provide a useful and successful alternative in any market." General Manager John Lammers described the new FM antenna built in 1975, 145 meters just south of Highway 401 and 50 kw power, "covering south-western Ontario and reaching into the United States."

CKOT-FM went on the air in 1963 and continues to offer easy listening/beautiful music, apparently without automation. Live announcers are pictured in both the AM and FM control rooms. The slogan "Your Sound of Music Station" apparently "says it all. A mix of relaxing music and a limited commercial content has made CKOT-FM one of the most popular signals in the region. On CKOT-FM, music is the key. Each day we air features on various artists or specific themes, ranging from Broadway and show tunes to big

bands, from ballads to latin dance rhythms. We also provide trips down memory lane and a special weekly program aired at seniors. One of CKOT-FM's most popular programs is *The Sound of Gospel Music* Sunday nights, which has won several awards, including best gospel middle-of-the-road program from the Gospel Record Music Association. CKOT-FM news coverage concentrates on what is happening in southwestern Ontario. Each day we provide our listeners with information on a wide variety of topics—subjects as diverse as sports, medicine, history and hobbies—never forgetting that our coverage includes most of southwestern Ontario.

"Response to CKOT-FM has been overwhelmingly affirmative, as indicated by letters, phone calls and cable acceptance. With all the hustle and bustle around us, more and more people of all ages are turning to the station as a relief from the frantic pace."

American media cover Canada news rather poorly, and it's good to have another published source to check. On Memorial Day (a U.S. holiday), a welcome visitor in the form of student radio station CJSR 88.5 Edmonton made it to my tuner via FM skip. I heard it in stereo along with diverse programming—"noise pollution," with horrible-sounding rock, jazz, and a promo for "altered states," with a wide variety of music, including a commercial. CJSR is listed in my Atlas at only 44 watts, but is omitted from both "Broadcasting Yearbook" and the "M Street Radio Directory." My tuner, a Magnum/Dynalab FT-101, was made in Canada. Maybe that's why it likes to pick up Canadian stations!

FM Pirate Nabbed

Eric B. Hultgren of Rockford IL was fined \$1,000 for operating on 88.1, repeating WBBM-FM 96.3 Chicago. He may be the guy who called, wanting information on translators, and I told him to go after the two dormant translators in Rockford, and see if he could get them re-licensed.

FCC Clamps Down on Abuse of its Processes

In an attempt to curb abuses, the FCC has issued several proposals, including: 1) rules to limit the amount of payment that can be made in exchange for withdrawing petitions to deny in licensing, modification, transfer, or allocation counterproposals; 2) soliciting comments for proposals to limit payment for withdrawal or dismissal of competing new station applications to a percentage of expenses; 3) refusing to enforce program-related agreements made by private parties to settle licensing challenges; 4) declining to re-examine decisions made to end abuses of the comparative

renewal process; 5) ending proposals for random selection of new applications by lottery; 6) broadening the definition of misconduct to consider character qualifications for current or potential licensees so that all felony convictions can be considered, as may misdemeanors in some cases.

Sending money to the FCC is complicated because of having to mail fees to Mellon Bank of Pittsburgh PA. In addition, a new Fee Processing Form (#155) now is required. The only filings exempt from the new procedure are FCC Forms 404, 506, 574, 753 and 755.

Religious Radio Stations Puppets in the Hands of Program Producers?

Joe Battaglia, general manager of WWDJ (AM) Hackensack NJ, speaks out in the pages of "Religious Broadcasting," mentioning some interesting AM-FM radio station statistics. There are 1220 religious formatted radio stations in the U.S., or about 10 percent of the total, reaching only two percent of the audience. In contrast, 297 jazz stations (one quarter of the religious stations) reach 1.7 percent of the audience, 376 classical stations (one-third of all religious stations) get 1.57 percent of the audience, while 2500 country stations get 10 1/4 percent of the audience (twice as many stations as religious with five times the audience). He questions if the two percent of the audience for religious radio means the broadcasters are ineffective or if there's boring programming, and points out stations reaching younger listeners successfully: KLTY 94.1 Fort Worth-Dallas, WAYJ *88.7 Fort Myers FL and KLVR *91.9 Santa Rosa CA. He advises broadcasters to be "broadcasters, not puppets in the hands of those who would use our stations to their ends. We are to serve our audiences, not a particular program, artist or record company. And certainly not ourselves. . . Take control of your station and begin to be marketplace-driven. Move toward local visibility, integrity, and local involvement. Ministry can result from our efforts, but we must dare to be different, count the cost, and then go to work. I firmly believe we can be sold out to our mission without selling out."

A Small-Print Happening and Classifieds

Listeners in Lincoln NE, Dothen AL and Redding CA can expect to be bombarded by contests staged by FM stations during ratings periods twice a year instead of once, starting with the fall, 1990 Arbitrons. "Station demand is credited for the change." It's easy to tell when there's a survey. A casual twist across the dial will tell you about all the contests and how you can win thousands, with the amounts getting higher the larger the market.

From the classifieds: Experienced general manager wanted for 50 kw FM station. CP expected this month. American Family Association (the anti-indentency folks), PO Drawer 2440, Tupelo MS 38803. McIntosh MR78, "the classic Solid State FM Stereo Tuner," noted for its super-narrow selectivity, new, list price \$1699 now \$1400 at Audio Classics, PO Box 176, Walton NY 13856; (607) 865-7200. I've never seen this tuner in a classified. Some people think it's better than the newer MR-80. Until next month, when FM Forum returns. *Bruce F. Elving*

FMedia!

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Bruce F. Elving, Ph.D., Publisher
 "Publishing Estate," 241 Anderson Road
 Esko MN 55733-9413, U. S. A.

A NEWSLETTER OF FACT AND OPINION ABOUT
 FM RADIO AND RELATED TECHNOLOGIES—
 FROM THE PUBLISHERS OF THE
 "FM ATLAS AND STATION DIRECTORY"

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Volume 4, Number 7—July, 1990

New FM Station, Translator Grants

- AR Camden *89.5 250 watts horizontal only, 46 m, Camden Career Center
- AR Mena 96.3 100000 h,v; 295 m, The Harlans
- CO Canon City K216BY *91.1 (KTLF 89.7 Colorado Springs translator)
- IL Bethalto (St. Louis MO—causing WTPC *95.5 Elsah IL to seek *105.3) 95.5 3000 h,v; 100 m, B. Bcstg. Corp.
- KY Hawesville (Cannelton IN) 105.7 3000 h,v; 100 m, Joe Aldridge [m, Beach Bcstg.]
- MS Long Beach (Gulfport) 94.5 3000 h,v; 100/ NH Somersworth (Dover) 98.7 3000 h,v; 100 m, Garrison City Bcstg. [side Bcstg.]
- NJ Atlantic City 107.3 25000 h,v; 79 m, Hill-/ Klehamer; this grant will most likely force V.I.R.Q. *93.3 Rochester to change frequencies
- PA Catawissa (serving Berwick and Bloomsburg) W219- *91.7 (WRGN 88.1 Sweet Valley), on air [*91.1 (WVIA-FM 89.9 Scranton), on air
- PA Stroudsburg-East Stroudsburg W216- / SC St. Matthews 93.9 3000 h,v; 100 m, Radio Four Bcstg. [Spectrum Bcstg. Corp.]
- VA Charlottesville 107.5 300 h,v; 299 m, / VA Lynchburg 105.9 3000 h,v; 100 m, Friendship Bcstg. Corp. [per Valley Bcstg.]
- WA Cashmere 101.1 3000 h,v; 52 m, Up- / WY Thermopolis K205BO *88.9 on air with KEMC 91.7 Billings MT
- PQ Matane 95.3 12700 h,v; rm, soft rock, 20% instrumental—20 to 44 targeted audience, Les Communications Matane, Inc.
- PQ Trois Rivieres a new grant to Telemedia with no frequency or other parameters announced, except it is to have 20.6 kw, not 100 kw, "in order to exclude six communities where other stations feared loss of audience and revenue"

Denial of Bids

ON Kitchener-Waterloo-Cambridge four proposals, all for album rockers, were denied. CJBX 92.7 London was one of three seeking 103.9, while D. J. Poehman asked for 104.1. Opposition arose from CKKW 1090 Kitchener, which changed to CHR early in 1989. "In its decision, the CRTC was not convinced that the market could support another station at this time," reports *Broadcast Technology* magazine.

Call Letters Assigned

- AL Bay Minette 106.5 WFMI (WUIF)
- AL Russellville 97.7 WSHK (WZMX)
- AZ Globe 100.3 KZEW (KGRX)
- CA Mojave 97.7 KHXT (KAVS)

- FL Fort Myers 95.3 WOLZ (WFJY), o[ldies], "Oldies 95"
- GA Milledgeville 100.7 WLRR (WPWS)
- HI Kawaihae 106.9 KWYI (KTDH)
- IL Marseilles 96.5 WKOT (WAEM)
- IA Sioux Rapids 102.9 KTFG, to be g
- KS Wamego 95.3 KHCA (KSKT), to return to the air
- KY Elizabethtown *90.9 WKUE (WPHJ)
- KY Elkhorn City 103.1 WRAU (WECL)
- MI Ontonagon 101.1 WUPY (WONT)
- MI St. Johns 92.1 WGOR (WLNZ), "The Ape"
- MN La Crescent *91.1 KXLC
- MS Indianola 96.9 WDLJ (WZXR)
- MS Lexington 102.5 WAGR-FM (WDLG; WAGR AM is in Lumberton NC)
- MO Charleston 106.1 KWKZ (KSDJ)
- NC Charlotte 107.9 WBT-FM (WBCY)
- OH Gallipolis 101.5 WGTR-FM (WYPC)
- OH Port Clinton 94.5 WXXR (WXOF)
- OR La Grande 98.7 KUBQ (KKUC)
- SC Walterboro 100.9 WALD "FM" (WALD-FM; AM gets new calls)
- TN Blountville *88.5 WPGB
- TN Etowah 103.1 WDRZ (not WDZR), sg, ID with Athens-Cleveland, still "Z-103"
- TN Memphis 101.1 KHUL (KRNH), "Cool"
- TX Midland 95.1 KQRX
- VT Rutland *90.5 WFTF (not WZRT)
- VT West Rutland 107.5 WRUT (WVNH)
- VA Cedar Bluff 107.7 WYRV-FM (WJHT)
- VA Galax *91.1 WPRH
- VA Salem *91.3 WPIB
- WV Lindsie *106.7 WHFI, rk, news, operated by junior high pupils

Facilities Changes Granted

- AL Dothan WVOB *91.3 2500 h,v; 100 m, on air in mono 6 a. m. to 10 p. m.
- AR Sheridan-Little Rock KXIX 102.9 (from The Voice of Bethany 91.3 FM 102.3) 50000 SOUTHERN GOSPEL h,v; 150 m, k format (but temporarily off the air in order to make the frequency change) [513 m, C2]
- CA Anderson KEWB 94.7 (from 94.3) 3300 h,v; / CA Fresno KMAX 97.9 2100 h,v; 606 m
- CA Paradise KCHH 103.5 (from 92.7) 1700 h,v; 376 m [(1100 h,v)]
- CA Santa Cruz KLRS 99.1 795 m, nonDA/
- CO Colorado Springs K240CC 95.9 (not Greenwood Springs, as given last month)
- CO Denver KSYU 95.7 is directional to protect nearby government "quiet zone" and their sensitive listening apparatus—also to avoid sending too much signal into the mountains to the west
- CO Pueblo KATM 100.7 72400 h, v; 676 meters above average terrain



- CT Hartford WLVI-FM 93.7 16000 h,v; 265 m W.KSS 95.7 16600 h,v; 268 m, d-a
- CT Waterbury WWYZ 92.5 17000 h,v; 259 m
- FL Panama City WPAP 92.5 100000 h,v; 408 m
- FL Punta Gorda W249AD 97.7 now has WIXI 105.5 Naples Park on it, not WOLZ 95.3 Fort Myers. WIXI "wants to be in both Punta Gorda and Fort Myers with separate translators, even though the two towns are only 6 km apart, and it wants coverage like a Class C. That's translator abuse!" WIXI's 100.9 Port Charlotte translator is causing interference to WAVV 101.1 Marco FL, "but they won't do anything about it, saying there's a freeze and they can't change. This translator even wanders off frequency, and there doesn't seem to be anything we can do about it. Mark L. Wodlinger owns WIXI, but the translator is owned by his father-in-law, Edward Bates, who doesn't even live in Florida; he lives in Kansas. Wodlinger's quite a guy. He's trying to start a commercial FM station in Lithuania."
- GA Richmond Hill (new) to be on 105.1, not 105.3
- GA Rossville WLMX-FM 105.5 2700 h,v; 105 m



- LA Kaplan KMDL 97.3 163 m (42100 h,v), topen carrier SCS used for transmitter control (67 kHz)
- LA Lake Charles KHLA 99.5 300 m (100000 h,v)
- LA Mamou KIHG 101.1 6000 h,v (100 m)
- MD Hagerstown WWMD 104.7 8300 h,v; 420 m
- MS Batesville WBLE 100.5 (from 95.9) 50000 h,v; 150 m, C2, now on 100.5
- MS Utica WJXN-FM 92.9 900 h,v; 175 m
- MS Vicksburg WIIN 98.7 288 m (100000 h,v)
- MS Yazoo City WJNS 92.1 20000 h,v; 91 m, C3

KXEI

A Channel of Praise

P.O. Box 2426 • Havre, MT 59501 • (406)265-5845

- MT Havre KXEI 95.1 100000 h,v; 517 m
- NJ Newton WNNJ-FM 103.7 3500 h,v; 231 m
- NY Lake Ronkonkoma WSHR *91.9 2800 (h), 43 m; no vertical polarization
- NY Oneida WMCR-FM 106.3 390 h,v; 200 m, "CP for 1200 watts is cancelled"
- NY Poughkeepsie (new) 96.1 52 m (3000 h,v); reversal of FCC grant in favor of Wicrae Equities, Ltd.
- OH Cleveland WMJI 105.7 15500 h,v; 311 m
- OH Coal Grove WXVK 97.1 1500 h,v; 144 m
- OH Youngstown WHOT-FM 101.1 25000 h,v; 212 m [95.9 8000 h,v (190 m)]
- OK Sallisaw KKID-FM/ [m, C2]
- OR Sweet Home KSKD 107.1 1400 h,v; 734/
- PA Philadelphia WXPX *88.5 2800 h; 280 m
- SC Charleston WSCI *89.3 100000 h,v, d-a (415 m) [from 103.1, still Class A]
- TN Jamestown WCLC-FM 105.1, having moved/ TN Surgoinsville WLKW 104.3 2200 h,v; 116 m
- TX Bay City (new) 96.1 150 m (50000 h,v)
- TX Denton KNTU *88.1 directional by utilizing

a six-bay antenna when KEOM *88.3 Mesquite is on (school hours only) and a seven-bay directional antenna

other hours, protecting KJCR *88.3 Keene with a 3 dB null to the south. KJCR has a 3 dB directional null to the north, while KEOM favors the east.

- TX Fort Worth KSCS 96.3 100000 h.v (491 m)
- UT Green River K228AT 93.5 has KJYE 92.3 Grand Junction CO, not KIOB 107.9, as reported last month
- VT Danville WSHX 95.7 230 h.v; 358 m
- VA Crozet WCYK-FM 102.3 4900 h.v; 108 m
- WV Wheeling WPHP *91.9 100 (h), 13 m, but off the air, and its operation next school year may be in conflict with the new WGLZ *91.5 West Liberty WV [h.v; 160 m, C2]
- WI Prairie du Chien WPRE-FM 94.3 35800/
- ON Bracebridge CFBG 100.9 192 m (7500 h.v)

Stereo, or to be Stereo

- CA Kerman KTAA 94.3
- CA Riverside KUCR *88.1 confirmed stereo, with c (mornings) and r
- FL Fort Myers WSRX *91.5, r, "they have all the teens." NonID: "Sparkle Radio," with enhanced underwriting. "Underwriting is not the word for it—they had commercials" and "K-Rock" offsatellite with all its commercials until WRXK 96.1 Bonita Springs called a halt to that. "They even subscribe to a ratings service, and their announcements are as close to being commercials as possible."
- GA Lyons WLYU 92.5, "U-92"
- IN Attica WBQR 95.7 mr, "bizarre format. Heard *Starting Over* by John Lennon and half hour later heard Judy Garland and Simon and Garfunkel music. Glad they're low power."
- KY Henderson WKPB *89.5, cj, parallel to WdCL *89.7 Somerset and Wkyu *88.9 Bowling Green
- NJ Villas WLQE 98.7, "Lucky 99," and copying the former "Lucky 99," Pleasantville-Atlantic City 99.3, now known as WMID-FM
- PA Jersey Shore WRKK 97.7, op, ID with Williamsport-Lock Haven
- SD Sioux Falls KTWB 101.9 k, on air, no nonID,

KTWB-102 FM
Sioux Falls Best

no SCS, 34000 h.v; 176 m, on 24 hours
 WI Lancaster WJTY *88.1. "We were off only two days, and are now on at a temporary location with the same power. We have been stereo for two years now. Why don't you check with us before printing only one side of the story? 'Stray voltage' has yet to be proven, and the dairy cows are no better than before we moved." [See May, p. 3, col. 3.]

Monophonic

- CA Chester KCMT 98.9 was stereo, but has returned to mono exclusively
- CA South Lake Tahoe KRLT 93.9 still mono, with no indication when it might embrace stereo
- MD Emmitsburg WMTB *89.9 off the air for the summer, and has yet to implement its power increase, remaining 10 watts without stereo. In fact, one area engineer believes the station has never operated in eight years of holding

its CP. Remove stereo listing.

Formats

Formats are the same as in the "FM Atlas"

- AR Harrison KHOZ-FM 102.9 k
- FL Crestview WTJT *90.1 g
- FL Mary Esther WYZB 105.5 o, "Kool 105"
- GA Athens-Atlanta WALR 104.7 mr, "soft AC"
- GA Cairo WOBW 102.3 op, classic rock
- IL Woodstock WAIT-FM 105.5 r, SMN Heat
- IN Fort Wayne WEZV 101.7 rm, "V-101.7," dumping "EZ-102." Now WYEZ 100.7 Elkhart, which claims to play all CDs, and WEFM 95.9 Michigan City are the area's only easy listening stations. [101.5 South Bend
- IN Rensselaer WLQI 97.7 rm, similar to WNSN/
- KY Princeton WPKY-FM 104.9 r, SMN Heat
- MI Holland WKLO 94.5 rp, still "94.5 KLO"
- MS Hattiesburg WUSM *88.5 cj, some late-night rock
- MO Jefferson City KJMO 100.1 o [Idies]
- MO Liberty KXXR 106.5 r (CHR), studios in Overland Park KS, serving Kansas City
- MO Mountain Grove KCMG-FM 92.7 k
- NV Carson City KRWR 94.7 o
- NV Las Vegas KNPR *89.5 c, no jazz, \$. "Yes,

KNPR

89.5 FM PUBLIC RADIO

that was Multicomm on our 67 kHz SCA and telemetry on the 92 kHz frequency. Pretty amazing that you could detect that." Is not on 91.5, as given on p. 3, col. 1, last month under NV Panama.

- NC Kinston WQDW 97.7 o
- ND Fargo KFGO-FM 101.9 r, "Magic 102"
- OK Edmond KTNT 97.7 j [azz]
- SC St. Andrews WGTN-FM 100.9 m
- TN Morristown WMXK 95.9 rm, "K-96"
- TX Amarillo KATP 101.9 r
- TX Anson KKHR 98.1 Spanish ol (oldies and latin—"Tejano is Spanish music")
- TX Corsicana KAND-FM 107.9 S, m, English and Spanish adult contemporary, with Spanish at night from the CHN (Contemporary Hispanic Network), also counting country station KDCY 97.7 Cotulla-Dilley TX as an affiliate
- TX Freeport KGLF 103.3 g, simulcasting the religious, country gospel programming of KJOJ 106.9 Conroe-Houston; ID now with Lake Jackson-Houston
- TX Houston KODA 99.1 m, "Adult Spectrum" radio, and "not easy listening or beautiful... between light rock, middle of the road and easy listening"
- VA Appomattox WZST 102.7 r, AC-CHR
- WA Long Beach KKEE 94.3 rm, lite AC, \$
- WA Newport KMJY-FM 104.9 k
- WA Tacoma KTPS-FM *91.7 rm, "very lame soft rock; it was the only soul/urban FM in Tacoma." Now "Lite 91.7" (not strict)
- WI Sturgeon Bay WFNL 97.7 b, \$
- WY Evanston KOTB 106.3 k
- TA Nuevo Laredo XHNOE 91.3 l (ranchera), \$

On Air (Selected)

CO Widefield KKLI 106.3 still 71 watts, but new

KKLI 106.3

1600 h.v; 678 m from atop Cheyenne Mountain to be in effect around Labor Day
 IN Gary WGVE *88.7 is on regularly contrary to previous report. "Instructional/educational programming in mono from the Gary Area Career Center. Signs off 9 or 10 p.m." [92.7
 IA Burlington K214BC *90.7
 KS Osage City KZOC 92.9, having moved from/

NE Hastings KHNE-FM *89.1
 NH Keene W211--*90.1 bringing WEVO programs to a part of the state that had been isolated from NH Public Radio because of terrain [from 104.5
 PQ Montreal CIBL 101.5, having moved/

Off Air or Not Yet On

AL Mobile WAYF *88.5
 DE Laurel WDNO 95.3
 ID Rupert KNAQ 92.5, still on 92.1
 IL Marshall WMMC 105.9
 IN Bloomfield WBHQ 101.1
 IN Clinton WPNL 93.9
 IN Earl Park WIBN 98.1, still on 98.3
 IN Kentland WPNI 101.7
 IN Knox WUVX *89.3
 IN Linton WQTY 93.3, still on 93.5 with big band/EZ listening
 IN Michigan City WFAJ *89.5, "no tower construction... CP is now five years old"
 IN Winnamac WOTD 100.1
 LA Lake Charles KOJO *91.7
 ME Bath WMOS *95.3. "We were ready to go stereo in the fall, when we found out that the tower had been taken down, due to resurfacing the roof... They finally got the tower back up [but] school folks said they couldn't have the room they were supposed to get, but would have to build a new studio back where they were before in an old boys' bathroom. So the advisor got some donated materials and started to build. There was a leaky water pipe; it took three weeks to get it fixed. [Later] someone stole the advisor's tools and expensive ladder from the room. The advisor wrote a long letter to the school board and quit. I had taken care of the station for 14 years, the past four without pay so I informed the principal to find someone to do the station and to apply for trust fund money to get stereo. WMOS will have to wait to get back on the air, finding a new frequency, because of WLLB 95.5 Topsham ME coming on the air, with transmitter in Brunswick." WLLB is awaiting zoning board approval of a site, and 95.3 will be a new allocation in Winslow ME.
 WIGY 105.9
 NJ Ocean Acres WQNJ 98.5
 TX Bridgeport KBTT *90.5
 TX Victoria KHHF *88.5. KUHF (88.7 Houston) "is seeking funds to activate its long-held CP—a wonder the FCC has let them keep for the last five or so years!"
 WI Rhinelander WZTT 97.5

Deletions

- FL Port Charlotte W249AQ 97.7 (see facilities, "Punta Gorda," above)
- ME Portland W288BC *105.5 a CP never activated. "If you look at New Hampshire, you will see a bunch supposedly relaying WHCF *86.5 Bangor ME. I will check those out when I am in those areas. The guy who has the permits did a non-no by putting his own programming on one of them. I believe this same fellow (Ronald R. Malone, also on the 67 kHz SCA of WHOM 94.9 Mount Washington NH) has a translator application for South Berwick ME on *91.7."
- MN Grand Rapids W280AC 103.9, a CP never built, but WAKX (98.9 Duluth) is looking into seeing if it can take over this dormant translator
- BC Savona C1FM-1 101.9, "as a new tower at C1FM 98.3 Kamloops is now covering the Savona area"
- ON Belleville CBBB *94.3. The 95.5 frequency there will go commercial, with CJBC-1 *95.5 to move to 94.3. The CBC feels it can cover Belleville with a power increase at CBBK *92.9 Kingston.

FMistakes, FM Atlas-12, June FMedia!

- MS Marion (not "Meridian") WZMP 95.1, p. 4, col. 3 "Z-95" nonID
- NV Lovelock K210AZ *89.9 is a translator of KUNR 88.7 Reno (not KNIB 91.3); p. 138
- K213BD *90.5 is a translator for KNIS *91.3 Carson City (not KUNR 88.7), p. 138 (not 91.5)

PA Grove City 95.1 calls are WRKU, not "WKRU," p. 4, col. 3, listed under "OH Niles" [106.5, o, p. 3, col. 1]
 SC Georgetown (not "St. George") WSYN/
 TX Burkburnett 104.7 calls are KYYI (not "KYII," p. 2, col. 3)
 TX Shamrock 92.7 KJJI, not KJII, p. 64
 VT Rutland (not "Burlington") WZRT 97.1, p. 2, col. 1

SC Services, 57, 67 and 92 kHz
Symbols are as in the "FM Atlas"

CA Pasadena KPCC *89.3 ethnic, 67 and 92 kHz; 92 is Farsi, being tested also on KUSW 15590 shortwave Salt Lake City UT, the anti-Khomeini "Radio Seda-ye Iran."
 KROQ-FM 106.7 tD, 57 kHz, Cue paging
 CO Denver KCFR *90.1 has not broadcast reading to the blind in over five years, and does not expect to bring it back "since it is available on cable in the Denver area"
 FL Crystal River WKTK 98.5 tR, 92 (tM, 67)
 FL Ocala WMFQ 92.9 tM, 67
 TX Houston KPFT *90.1 tZ, 67
 Mainstream's FM/SCS network along with Ku-band satellite would be utilized by F. W. Dodge Reports if a test this summer proves feasible. Dodge provides 5,000 reports daily on details of the construction industry, with reports mailed to subscribers according to the type of data they're interested in. Typically, a subscriber gets 20 letters a day with information architects, contractors and suppliers can use to bid on contracts or obtain leads. F. W. Dodge is a division of McGraw-Hill, and services 70,000 subscribers nationwide. "What finally convinced them to consider the tests was the availability of applications software that would allow them to broadcast large amounts of data, yet give individual subscribers only the information they need," says *Data Broadcasting Report*.

NonIDs, Not Just Slogans

Mentioned on the air usually without call letters; "strict" if a station only uses call letters once per hour as required by the FCC (at or near the top of the hour)

AZ Flagstaff KVNA-FM 97.5 The Heat 97.5, r
 CA Paso Robles KDDB 92.5 92.5 Country (from "FM-93")
 CO Lamar KNIC 105.7 The Fox
 FL Cape Coral WAKS 103.7 Kiss 103.7
 FL Goulds-Miami WRTO 98.3 Radio El Sol, with upbeat music and lots of "salsa"
 IL Elgin WJKL 94.3 The Fox (back to), now on with 6 kw
 KS Colby KTCC *91.9 T-92
 KS Derby KRZZ 96.3 96.3 KRZ (x-95.9)
 KS Hugoton KFXX 106.7 106.7 KFX
 KS Hutchinson KRKS-FM 102.9 Country 102.9
 KS Scott City KSKL 94.5 Cool 94.5
 LA Washington KNEK-FM 104.7 Super Country, is \$ [despite change to m]r
 MI Lansing WJIM-FM 97.5 Easy 97.5/
 NE Kearney KKPR-FM 98.9 Power-99
 NM Bloomfield KCEM-FM 104.5 Kickem (kicking out "KC-104")
 NC Dunn WRCQ 103.5 O-103 (even after moving from 103.1)
 TN Shelbyville WYCO 102.9 Tennessee's New 102.9 (no "Q-103"), and on with new facilities: 247 m, 100000 h,v
 TX Marshall KEEP 92.3 Keep 92 FM, is \$
 TX Midland KCHX 106.7 Foxy 106 (from "K-Chix")
 TX Tyler KTMJ 104.1 Magic 104, is \$
 WA Richland KOTY-FM 106.5 Y-106
 WV Princeton WAEY-FM 95.9 Way 96, mono
 BC Kelowna CKLZ 104.7 still "The Lizard," and after one year "has been an incredible success, with a line of neon green Lizard lime clothing, a Lizard limo, and the Lizard in

person popping up at fund-raising events... A U. S. station, "Lizard FM" will soon be somewhere in Texas."

Multi-City IDs in Use

LA Ruston KXKZ 107.5 with West Monroe-Homer
 NY Norwich WKXZ 93.9 with Oneonta
 PA Avis WHUM-FM 99.9 with Williamsport-Lock Haven
 PA Milton WOEZ 100.9 with Lewisburg
 TX Mount Pleasant KPXI 100.7 with Longview-Paris-Tyler; still r, "X-100"
 TX Rosenberg KFRD-FM 104.9 adds Richmond-Houston, still k
 TX Wichita Falls KWFS 103.3 drops ID with Lawton OK, now "Oldies 103.3"
 VT Rutland WZRT 97.1 with Killington, still "Z-97"

AM Happenings Most Likely Caused by FM

CA Bakersfield KBAD 1350 silent, had been rock CA Salinas KDON 1460 simulcasting FM for now, but has "lost transmitter site"; was to have gone silent at the end of June
 DC Washington WMAL 630 changes from full service AC and talk to all talk
 GA Augusta—This area has lost the following AM stations in the last two years: WCJK 1230, WRDW 1480, WAKN 990 "and maybe WKTS 1510. WRDW-FM 96.7 mhz with translator at 100.1 mhz is still operating, although the licensee (Val-Tel, Inc.) is in bankruptcy."
 IN South Bend WNDU 1490 changes to oldies from country, "after tough competition from 102.3 WGTC New Carlisle IN"
 IA Mason City KRIB 1490 AM bought for \$200,000 by the Hedbergs, who also own KLSS-FM 106.1 there and KLSS AM 1010. Sale, if approved by the FCC, would put either KRIB or KLSS AM off the air.
 MS Greenville WDDT 900 has been repossessed and looking for a buyer. Owner must promise to put it back on the air. Call John Gibson at 601-334-4825.
 MO Kansas City KJLA 1190 shuts down; had M.O.L (m) for the last nine years. "A good station—very sad." A fire destroyed its transmitter, but a new 5 kw transmitter would have cost close to the \$500,000 offer Chip Osborn, Jr., station owner, said he had; with the fire, the potential buyer was "washed downstream." Out of work: 14 employees, all but two fulltime.
 NJ Ocean City (Atlantic City) WIBG 1020 silent, but expects to return in 30 days with tourist information
 NY—an AM station "in central New York state" being offered as a swap for mountaintop/water view real estate in Berkshires, Vermont, or New Hampshire. Station not identified, except it's 1000 watts in small market.
 NC Rocky Mount WCEC 810 silent, had been k[ountry] [been business news
 SC Summerville WAZS 980 silent, had/
 TN Harriman WKCE 1230 silent
 TN Lynchburg WTNX 1290 silent
 TX Pampa KPDN 1340 silent
 TX Stamford KVRP 1400 silent
 ON Fort Erie CJFT hopes to move from 530 AM to 101.1 FM (8700 h,v). Another Niagara-area applicant is CHOW AM on 104.9 at Port Colborne (12000 h,v).
 ON Leamington CHYR 710 and "CHIR" (CHYR-7) 730 have dragged their feet in converting to a single frequency for day time-nighttime operation. Consequently, the CRTC denied a bid by Blue Water Broadcasting to build on FM on 96.7 with 21000 h,v at Leamington.
 ON Stratford CJKS 1240 wanted to convert from AM to FM (3 kw, 104.1), but the CRTC disagreed, noting that CJKS's audience rose from 8 to 12% since 1988 and that it continues profitable. The CRTC also frowned on the

frequency requested, saying that 98.3 or 107.5 would be more efficient at that power in Stratford.

FM Rulemakings Proposed

First date below is deadline for filing comments at the FCC; second date is for replies. Stations affected, if any, are listed before the dates.

IA Albia or New Sharon 99.9C3, July 30, Aug. 14
 MS McComb WXL T move to Kentwood LA, July 23, Aug. 7 (transmitter to be located so as to serve New Orleans?)
 NY Bridgehampton 92.9A, July 23, Aug. 7
 NY Southampton 98.9, July 23, Aug. 7
 OH Hannibal 99.5A, July 23, Aug. 7
 OK Woodward 100.1C1 from 93.5A, KWF X, July 23, Aug. 7

FM Rulemakings Finalized

Dates are when FCC filing windows are open

AZ Prescott Valley KIH X 106.7C2 from 106.3A
 MN Blue Earth 98.1C3, July 24-Aug. 23
 MN Winona 95.3C3 from A, KAGE-FM
 MS Heidelberg 99.3C2 from A, WEE Z
 MO Halfway 93.1A, July 24-Aug. 23
 TN Elizabethton 99.3C3 from A, WUSJ

NAB Attacks FM Translators

Urging member broadcasters to file before the now-elapsing deadline of June 15 in the translator proposal of the FCC, the National Association of Broadcasters stressed the following points: 1) FM translators should not be allowed to operate "for profit"; 2) Expanded program origination should be rejected and "advertising messages" should not be aired when translators "acknowledge or solicit financial support"; 3) The "primary station" should be barred from supporting an FM translator that extends service beyond the station's "protected contour" (.5 mV/m for Class B stations; .7 mV/m for B1 stations and 1.0 mV/m for all other FM stations). Then, 4) effective interference protection standards and strict coverage limits should be adopted to ensure non-interference to full-service FM stations; 5) The FCC should not "grandfather" existing translator stations that would be unable to operate in compliance with the new rules; 6) No satellite feeds should be allowed for commercial FM translator and microwave relays should only be allowed sparingly.

La Tour Defends Translators; Urges Appeal to Congress

Warning that if the rules proposed in Docket 88-140 are finalized, many if not most FM translators will be eliminated, John La Tour sent out a mailing to translator interests urging that they get political and contact their representative in Congress. By allowing 1000-watt translators and having to control how far the signals radiate, he says "the FCC is raising translator costs through extensive and costly engineering studies and requirements. At the same time, it is severely restricting a translator's ability to raise support. . . This really is our darkest hour. If you or your family have ties with your US Senators or Congressmen we need your help." Three reasons why America needs FM translators, according to La Tour at Power Du Pree Broadcasting, 560 First Place, Fayetteville AR 72701; (501) 443-7878: 1) Vacant

frequencies on the FM band cannot serve the public—frequencies that can easily accommodate low-power broadcasting; 2) high power stations are also high cost stations, and therefore cannot afford to provide narrow appeal programming, such as classical, children's, easy listening and Christian; 3) as FM station sale prices spiral upward, more and more control of the nation's aural media will become concentrated in the hands of a few broadcasting companies. Translators will help more of America's "grass-roots" citizens establish stations at a cost of less than \$10,000 and for less than \$1000 a month to operate. For more information on FM translators and a form to use should you wish to contact your congressperson, contact La Tour or the American FM Translator Association, PO Box 29333, Las Vegas NV 89126-3333; toll free at (800) 544-6969.

The most northerly of La Tour's 50 FM translators is K285DJ 104.9, which receives support from primary WCAZ-FM Carthage IL. "We can walk in as a local media [sic]," Dan Bryan, WCAZ-FM manager, said of the translator, which enables the primary to serve Burlington IA.

Comments by Bruce F. Elving to the FCC Concerning FM Translators

Comes Bruce F. Elving, Ph.D., publisher of the *FM Atlas and Station Directory* and *FMedia!* newsletter, and licensee of translator station W280CT Hermantown MN.

It is my feeling that the National Association of Broadcasters has been misled about so-called translator "abuse." This is unfortunate, since the NAB has been at the forefront in championing a "marketplace" alternative to most of the issues in broadcasting. I would hope that their view would change to the point of admitting marketplace forces could benefit not only FM translators but all of broadcasting. In my Ph.D. dissertation (1970, Syracuse University), I pointed out that most broadcasters favored the use of FM translators to extend their signals into other areas, but did not want to see other stations importing signals into their markets. Thus, the problems the NAB and certain broadcasters are now perceiving were predicted in 1970.

Those problems could be prevented by the FCC's applying measures to control the growth of translators which are less drastic than proposed in the current rule-making proposal. Specifically, I suggest:

1) Allowing third-party owners of FM translators a reasonable expectation of profit. I seriously doubt that a 30-seconds-per-hour appeal for donations to keep the translator on the air would be sufficient. By defining it in terms of a fixed number of seconds per hour the tendency will be to sell those as "spots" no matter what the FCC calls them. Collecting fees from primary broadcasters would be no problem if opportunities were written into the rules for the fees to be scrutinized by outside agencies to make sure that there is no "extortion," or attempt to keep out other qualified primary broadcasters who might want their signals translated.

2) Allowing FM translators the option of going to 1000 watts transmitter power (and confining the main lobe to 16 km), as the FCC proposes, is an excellent idea. Translator operators who elect such higher wattage and/or coverage should be rewarded by being allowed a certain amount of program origination per hour or per day, with the rest of the time to be spent translating another nearby FM station signal—or

selecting two or more primary stations to rebroadcast during different times of the day or week.

3) I agree with the NAB that kilowatt (and other translators) should provide effective interference protection to primary stations.

4) The NAB is also correct in stating that no satellite feeds should be employed for commercial FM translators, and microwave feeds should be used sparingly. Specifically, I am concerned that any microwave feed be broadband enough to permit stereo and SCS components of a primary signal to reach the translator.

5) If these suggestions are implemented, the matter of "grandfathering" for existing translators would be moot. However, if the FCC should ultimately vote to restrict translators, those of us who have invested in translators should be permitted to operate them as we have—according to the opportunity to upgrade their technical operations as necessary.

6) John La Tour makes a point with which I agree. "As FM station sale prices spiral upward, more and more control of the nation's aural media will become concentrated in the hands of a few broadcasting companies." Here is an opportunity for smaller, independent companies and individuals to join with America's broadcasters in providing complementary service and/or programming.

7) The public will be hurt if most aspects of the the FCC proposal come to pass. An independent translator operator such as myself, instead of rebroadcasting a signal of an area station outside the 60 dBu signal area, will probably choose to relay a strong, primary local—a station which can legally pay money to the translator operator to support the operation. The public will realize no program diversity, but only the chance to hear the same station at two (or more) different places on the dial. It would be better to keep the rules as they are, rather than force translators to become totally meaningless.

8) I disagree with La Tour that the new rules "if passed in their current form, many, if not most, FM translators will be eliminated." Most of us will probably operate on a shoe-string and relay only the strongest local (1 mV/m or higher signal) stations. We will hang on because of the beautiful potential translators have—including the prospect of relaying nearby (but not "local") signals, as well as the hope that one day low power FM and program origination will be a reality to those of us who were in the game early on.

9) Translators should, as the FCC has proposed, be allowed on all commercial channels, 92.1 through 107.9. This is especially desirable, since the formerly all Class-A and Class B and C only channels have become intermixed. Broadcaster fill-in service should be by means of on-channel boosters, not translators. Third parties should have exclusive rights to translators on non-adjacent and non-co-channel translators within the primary coverage areas of stations. This would help to avoid cluttering of the dial by stations wanting to clone their signals in a market. If broadcasters are truly concerned about service, let them be free to create translators in areas between the 1 mv/meter contour and the 50 microvolt/meter contour (the former FCC-defined "secondary"). The latter suggestion would make radio coverage more comparable to television coverage—the difference being that comparatively few FM radios have outside antenna provision and fewer people receive FM via cable than do TV viewers.

I exhort the Commission to help make the FM translator service just that—a "service," unencumbered by restrictions that will penalize a large number of FM stations already on translators and third-party operators who can do so much in providing program service—often to communities or entire counties that lack commercial FM stations.

Comments by Lewis M. Latto, President, WAKX (FM) Duluth MN

Stereo Broadcasters, Inc. ("Stereo"), the licensee of radio station WAKX (FM), Channel 255C1, Duluth, MN, hereby offers its comments . . . Stereo believes that allegations of abuses of the FM translator service are greatly exaggerated. Stereo further believes that the current rules are by and large adequate to manage the FM translator service, and that a wholesale revamping of the rules governing FM translators as set forth in the Notice is unwarranted. Notwithstanding, should the Commission adopt the rules changes suggested in the Notice, it should at the same time grandfather existing, licensed translators that have a proven record of uncontroversial, meritorious service to the public.

Argument

1. Stereo has considerable and direct experience operating translators in northeastern Minnesota, one of the least densely-populated portions of the country. Stereo is the licensee of 11 FM translators. All are in the state of Minnesota, all are outside the 1 mV/m contour of WAKX, and all have WAKX as their primary station.

2. Each of Stereo's translators, save for the Silver Bay and Grand Marais facilities, is in St. Louis County, of which Duluth, WAKX's community of license, is the county seat. All are within the Duluth-Superior Area of Dominant Influence (ADI), as defined by Arbitron. Each has provided service to a small, relatively remote community for more than 10 years.

3. Stereo's experience is thus direct, first-hand, and conclusive evidence that translators have a well-defined role to play within the FM band. At nominal cost, translators can increase the diversity of broadcast choices available to the public, something which the Commission has time and time again found to be in the public interest. In Stereo's experience, the current FM translator rules are adequate to the task of ensuring that such facilities operate in the public interest.

4. Stereo believes that current restrictions on primary stations' compensation of translator licensees are more than adequate, and that the Notice's proposed rewrite in this area goes far beyond what is desirable or necessary. Stereo believes that it is perfectly proper for a primary station licensee to make nominal contributions to help defray the cost of a distant translator's direct operating costs. Otherwise, certain translators—which would provide a valuable broadcast service to the public—would never be built.

5. This is especially true of translators in small, rural and isolated communities, the very kinds of communities in which the WAKX translators operate. The economic capability of such communities to support full-service broadcast stations is by and large nil, so the net effect would be to restrict the aural broadcast choices available to the residents of those communities to few if any.

6. Stereo believes that the instant rule-making proceeding is, for the most part, an overreaction to market penetration by FM translators in a few communities in the Southwest, and that anti-translator agitation has been largely fomented by broadcasters seeking to further their own private business interests. However, the Commission is charged with rule making in the public interest, and the public-interest benefits of translator operation are undeniable. The reports of "abuses" of the FM translator service are, as Mark Twain characterized the reports of his death, greatly exaggerated.

7. Stereo obtained authority for its translators upon waiver of Sec. 74.1232(d), which restricts primary station licensees from holding the licenses of translators outside the primary station's 1 mV/m contour. Stereo's translators have served their communities faithfully and well—and without controversy—for a substantial period of time.

8. It would be terribly unfair—both to Stereo and to the small towns the WAKX translators serve—to force those translators off the air, either immediately or after some "sunset" period. In every other rule making of which Stereo is aware, the Commission has permanently grandfathered all existing operations. In many cases, the Commission has thereby perpetuated imbalances in facilities that have a far greater effect on competition among broadcasters and on level of interference (for example, superpowered or grossly short-spaced stations) than a 10-watt translator ever could.

9. The Commission has also allowed grandfathered facilities to further modify to their parameters to enhance or preserve their competitive status without sacrificing their grandfathered status (e.g., *Sutro Tower, Inc.*, 32 FCC 2d 826 [1972]). And recently, the Commission has even allowed a major-market Class B station to recapture the grandfathered superpower status it formerly had (*Golden West Broadcasters*, FCC 89-12, released March 3, 1989). For the Commission not to permanently grandfather the WAKX translators would be a travesty and gross and unwarranted departure from precedent.

Conclusion

The Commission should simply leave well enough alone. The FM translator rules are not broken, so the Commission should feel no compulsion to fix them. The Commission should terminate this rule making without further action. At a minimum, however, if the Commission acts to revise the FM translator rules as set forth in the Notice, the FCC should permanently grandfather the WAKX translators.

Atlanta Broadcasters Target Missouri To Show FCC That Many FM Station Move-Ins Are Possible

The proposed move of WHMA-FM 100.5 Anniston AL to a suburb of Atlanta is drawing more than curious looks. Two companies with stakes in the Atlanta market, Cox Broadcasting (WSB-FM 98.5) and Summit Broadcasting Corp. (WVEE 103.3), have commissioned the Washington engineering firm of Jules Cohen & Associates to study different markets to see if there are other move-in possibilities. Markets in Missouri were picked, because that's the home state of FCC chairman Al Sikes. KTMO 98.9 Kennett MO could move and be relicensed to Memphis TN. In the Kansas City area, WIBW-FM 97.3 and KMAJ 107.7 Topeka could be removed to Grandview MO and Independence MO, respectively; KHUM 95.7 Ottawa KS could move to Raytown MO. The KMAJ move would require a downgrading to C1 of KCFM 107.3 Lexington MO. Neither WIBW nor KMAJ seemed interested in the prospect of a move. One executive said: "It (the study) was interesting, but there are plenty of radio stations in Kansas City." KHUM is thought to be interested in moving, thanks to the free engineering help it got. Nobody there was willing to be quoted, but it's known KHUM has moved its studios from Ottawa to Topeka. Other Kansas City area "rimshooters" have studios there or various K. C. suburbs, but retain their original cities of license. Watch for other studies showing possible station

move-ins—all done in an effort to stop WHMA-FM's Georgia migration. Readers, know of any stations in your areas that might be move-in candidates to a larger area market?

Canada Tests, Engineers Address "Competitive Threat" of DAB

Testing of digital audio broadcasting is underway in Canada. Tests began in Ottawa, are going ahead in Toronto July 1 to 13, Montreal July 21 to Aug. 3, and concluding in Vancouver Aug. 10 to 18. The tests are being conducted by a group of Canadian broadcasters and government agencies. Involved is UHF transmission of the digital audio program using a source encoding scheme from West Germany and France. Previous European tests revealed CD-like quality to the broadcasts. "Purpose of the tests is to raise awareness about DAB in Canada, gather technical and strategic information and evaluate the technology" in the context of North American broadcasting. For the technically inclined, testing will use a 1 kw UHF TV transmitter operating from 794.5 to 801.5 mhz. This is equivalent to channel 68. Testing will be in homes and vehicles, and will include comparisons with DAB and regular FM stereo broadcasts. The Canadian Association of Broadcasters considers the tests important in determining the potential for a future terrestrial digital audio service which could replace existing AM and FM transmitters. Readers in the cities where tests will be going on could try tuning in channel 68 on VCRs and noting what the sound quality is, or lugging a UHF TV set in a vehicle to see how reception is affected or not affected by multipath and "picket-fencing" as the vehicle moves.

In the U. S., an ad hoc group of engineers has formed to discuss what many perceive to be the "competitive threat" of DAB. Acting chairperson Paul Donahue, Gannett Radio Engineering, said "We'd better figure out what we're doing. We are going to address the competitive threat that digital audio poses to FM." He maintained that FM cannot provide the quality that listeners have come to expect in compact discs, and indirectly pointing the finger at FMX he said: "When receiver manufacturers take steps they are currently taking to reduce multipath—which is FM's worst problem—they degrade the service. If the public is saying with their buying dollars that they want higher quality and we're not delivering the quality they want, then we are violating a public trust." Engineers in the group include those from CBS, Susquehanna, ABC Radio and National Public Radio.

Reluctant Advertisers Snagged by Unauthorized Remotes

They've done it in Milwaukee, but it's a tactic that could be employed in other markets. It's an all-too-familiar scenario: All your sales staff has tried without success to lure an advertiser you're sure would do well on your FM station. A creative solution is what WMIL 106.1 Waukesha WI did. Station staged an unsolicited morning show remote from Billy Mitchell Field promoting Midwest Express' business service to cities like Denver. Client was convinced to sign an ad contract when he saw his own employees coming up to the station personalities and saying "I listen to you all the time." Sister AM station WOKY AM did a similar thing with the local Wendy's. Folks lined up in the store, virtually forcing it to sign up for advertising.

It's Not a "Thumb Tax," But The Next Thing To It—For Announcers

They dumped tea in the Boston harbor and started a war to protest a British tax. Now the FCC is hitting almost all radio announcers where it hurts the most—in the pocketbook. I doubt that a war will result, or that there'll be a mass exodus to Canada by America's radio announcers, but there has been screaming and hollerin'. You see, the FCC has imposed a \$35 fee to process each application for the Restricted Radiotelephone Operator Permit. Although the permit remains valid for life and does not require renewal, those who are hurt the most are new announcers and board operators, many getting their first parttime jobs at minimum wages or students at college, high school, Christian or community radio stations. Technically, not all announcers need the permit, but those who "operate" transmitters (turning them on and off, raising and lowering power, taking readings, etc.) do, and that's practically anybody—especially at smaller stations where one may perform a variety of duties.

The National Federation of Community Broadcasters, the Intercollegiate Broadcasting System and National Public Radio filed to have the fee reconsidered. The groups asked for an exemption of the fee for use in operation of noncommercial educational stations. The fee, which requires the filling in of FCC Form 753, "would discourage the young and economically disadvantaged from participating in broadcasting," according to the petition. The FCC maintains that charging the fee was necessary because of budget restraints imposed by Congress.

Root Suspended by FCC, Faces Additional Charges

Communications lawyer Thomas Root pleaded guilty to five felony counts of forging and counterfeiting federal documents. He is scheduled for sentencing Aug. 6. The FCC has suspended him from practicing law before the agency pending outcome of its own investigation. A disbarment ruling last April by the U. S. Circuit

Court of Appeals in Washington made Root at least temporarily ineligible to practice before the FCC. North Carolina, meanwhile, has charged Root and three associates with nearly 2700 securities-related counts in conjunction with efforts to defraud the FCC, clients and investors, many of whom reside in North Carolina.

RADAR Report Credits FM With 77% Radio Listening

The Spring, 1990, RADAR report prepared by Statistical Research, Inc., New York, provides further insight into FM radio's growth nationally. The newly-released report shows the FM radio audience share at 77 percent. "Because radio is a stable medium, changes in radio usage are small from one measurement to another. However, there are interesting patterns in long-term trends. For example, the average growth of FM share over the past five years, 1985 to 1990, has been one percent per year. In contrast, the average growth over the years 1975 to 1980 was three percent per year." Estimates apply to persons 12 years of age and older. RADAR reports are jointly sponsored by ABC, CBS, National Black, Sheridan, Satellite Music, Unistar and Westwood One Radio networks and major advertisers and agencies.

Public Radio Shares Increase 11%

Public radio shares of the radio audience grew by 11 percent from February 1989 through February 1990, according to the Silver Spring MD-based Radio Research Consortium. This was based on audience surveys of 82 markets having public radio stations.

Top audiences reported were for WUNC *91.5 Chapel Hill, serving Raleigh-Durham, KSJN *91.1 St. Paul MN at second, and tied for third: WETA-FM *90.9 Washington DC and WGTE-FM *91.3 Toledo OH. WUNC had a 4.4 share of listeners 12+, KSJN a 3.2 and WETA-FM and WGTE-FM a 3.1 each. Other stations coming in with a 2.8 or higher share were KUAT-FM *90.5 Tucson AZ, WXEL *90.7 West Palm Beach FL, WXXI-FM *91.5 Rochester NY, WFAE *90.7 Charlotte NC, WKAR-FM *90.5 East Lansing MI, KCFR *90.1 Denver, KUT *90.5 Austin TX and KXPR *90.9 Sacramento.

SCA—A Broadcasting Alternative

Ernie Wilson's ERNewsletter, which is normally devoted to small FM transmitters and experimental circuits that the novice can build, has an article, "Community Radio Via SCA," in its June issue. "Although a little more difficult to receive, SCA offers a legal opportunity for community broadcasting. FM stations are capable of transmitting two subcarriers in addition to their regular programming. The subcarriers can only accommodate mono audio, but stereo is not really necessary for dissemination of local information. A proposed SCA community station faces at least four problems. 1) Convincing an FM station to donate or accept a low cost lease agreement for the use of the SCA allocation; 2) cost and installation at the FM station; 3) getting your audio to the transmitting station;

4) receivers for your proposed audience.

"Still, this is a legal way to reach the community with local news and programming. Some community action groups may very well be prepared to spring for the costs." That issue also has a report on cable FM radio, and various ways one can send an FM signal on via cable. ERN can be subscribed to at \$24 per year, or single issues for \$3 from PO Box 130, Paradise CA 95967-0130.

Our new radios and electronics catalog has been printed, and if you want a copy just write and ask; it's printed on a chartreuse cover stock and will be dribbled out to those who have bought electronics items from us in the last five years. Included are many SCA adapter kits and radios modified to tune in FM-SCS.

Other Small-Print Happenings and FM Industry News

WKSP 1090 AM Kingstree SC has been ordered to show cause why its license should not be revoked for failing to disclose the felony drug conviction of its principal owner. The issue came to light during a comparative hearing for a new FM in Kingstree for 94.1, where Williamsburg County Broadcasting (WKSP) is competing with SC Radio Fellowship.

The Mariposa Folk Foundation of Canada sent a news release about a low power FM station that once was and wants to be. "Pirate 90" on 89.9 was broadcasting on Ward Is and near Toronto under less-than-auspicious circumstances. Operating since mid-summer the little station went off the air when its tired transmitter broke, but there are plans to revive the operation.

Within a five-kilometer radius one could hear music played by Toronto musicians and records from island residents. The station was created by the Toronto Island Broadcasting Society, and used the call letters "TIBS." Fund drives and dances have netted \$1,200 for a new transmitter and other expenses, with two more dances planned. Committee members are looking at the possibility of making the station legal; however, paperwork required by the CRTC plus the existence of CKLN *88.1 makes a new alternative station hardly a top priority in the market. The 15-watt transmitter was the station's most costly component at \$850, and probably coming from the Canadian company Radius International (see Feb., p. 7, col. 3).

The FCC has affirmed a review board dismissal of an application by McCall Broadcasting for a new FM in Columbus OH (one of 14 original applicants for 107.5A). It threw the application out for "willful and repeated failures to comply with the administrative law judge's discovery orders."

FM growing in the San Francisco market, thanks to boosters. Long held back by adverse terrain, many broadcasters in the area have sidled up to on-channel boosters in such nearby towns as Pleasanton and Walnut Creek.

Check out the "FM Atlas" for locations of boosters in that area. "This is a hotbed for on-channel FM boosters," said Dennis Gooch of KABL-FM 98.1. "About a year ago we put the biggest booster on in the country. It's 10,000 watts and it added a million people to our FM audience," he said. That must be the Pleasanton station, KABL-FM2.

The Seventh-day Adventist Church has gone scrounging in France, and taken over the facilities of a local rock station, 88.8 FM Paris, as well as the use of 87.7 FM in Anney in the Haute-Savoie area. The station is called "Radio 74," with even the local newspapers describing the licensing a "miracle." France's FR3 described it on the air as "one of the rare, successful, local, noncommercial stations in

France," with much of its programming in English. In Rome, the denomination operates "KJOI," the only English language FM station there, serving exclusively an audience of 100,000 English-speaking people, half of them Americans. "Half the letters KJOI receives are from nuns and priests offering what money they can spare." KJOI's frequency is not available as I write this.

The NAB's "RadioWeek" has a feature about the future of beautiful music stations—like successful WJIB 96.9 Boston. "Where some easy listening stations have upped their vocals to compete more with the ACs, WJIB has not. The station plays five vocals an hour; the rest of the hour is instrumentals. WJIB is a very promotion-minded station. The staff makes a constant effort to be involved with the audience. WJIB PD Scott Apple jokingly calls it a 'radio aspirin' because, he says, WJIB makes listeners feel better." The NAB advises "b" formatted stations to avoid the temptation to switch formats just because it has been done in other cities. "If you have a unique position, why trade it in to be the fifth AC in town? Beautiful/easy does very well in resort and vacation areas and is still doing well in a few large markets. Most of our Americans are not 'invalids': most are active, healthy and have disposable income."

In a conflict involving a listener versus a licensed broadcaster, a court ruled in favor of KOKS *89.5 Poplar Bluff MO. Plaintiff in the case (Smith vs. Calvary Educational Broadcasting before the Missouri Southern District Court), sought an injunction to forbid KOKS from emitting harmful interference to domestic electrical appliances. The defendant successfully argued that federal law preempted Missouri law in regard to RFI (radio frequency interference), and since the case was decided on the narrow issue of preemption, the court did not address the issue of whether or not KOKS was generating excess RFI, design of its equipment, etc.

A pirate station on 87.9 mhz at 33 Roslyn Ave., Selden NY, was shut down by the FCC. "WQNR" called itself "Long Island's Rock and Roll Capital." Station was previously shut down in April, 1986, when it paid a \$500 fine. It is not known what, if any, fine was paid this time. "Unlicensed radio operators should know that they cannot evade federal authority," warned FCC Engineer-in-Charge Alexander Zimny.

The FCC has issued a waiver to its one-to-a-market rule to allow purchase of WHRC channel 46, Norwell MA, not yet on air, by Rogue Television Corp. The main stockholder in Rogue is Steven Mindich, who is also the major stockholder in WFNX 101.7 Lynn MA.

New forfeiture amounts issued by the FCC include these fines which are now part of the Communications Act of 1934, as revised: Up to \$25,000 per violation or per each day of a continuing violation, provided the total amount does not exceed \$250,000 for any single act or failure to act. This is up from \$10,000 per violation.

FCC totals as of the end of May: AM radio 4,979 licensed stations; FM (92-108 mhz) 4,306, FM educational (88-92 mhz) 1,430, for a total of 10,717 stations on the air.

From the classifieds: WYLL 106.7 Des Plaines, with a rather poor signal in Chicago, looking for a general manager with aggressive local sales and community orientation. EOE. Salem Communications Corp., Attn.: R. Hauth, 2310 Ponderosa Dr., Ste. 29, Camarillo CA 93010.

Wanted clean used 20 kw FM transmitter, 6-8 bay antenna that can be tuned to 105.5 plus coax, tower and type-approved STL. Charles Frodsham, KVSU-FM, PO Box 7, Beloit KS 67420; (913) 738-2206.

Mosley SCG-8 SCA generator with 67, 92 kHz cards, near new, \$500 or BO. K. Browall, Box 808, Riverton WY 82501; (307) 856-2922.

Yamaha T760 digital AM/FM tuner auto search, 10 pre-sets, DX mode, excellent condition, \$75 plus shipping. R. Cannata, Cantrax Recorders, 2119 Fidler, Long Beach CA 90815; (213) 498-6492.

FM CP class C3 to sell, 25 kw ERP Pine Bluff AR, \$55,000, M. Gottesman, Box 1957, Pine Bluff AR 71613-1957.

Sintrinsic FM10 10 w transmitter with full metering and filters in cabinet 89.3 mhz, \$1000, Clark, Secor Road, Hartsdale NY 10530; (914) 693-2400.

WFUV *90.7 needs a program director, and they're unlikely to recruit at WFMU *91.1 East Orange NJ, with whom they're having a signal overlap dispute. Send resume to Dr. Ralph Jennings, gen. mgr., WFUV, Fordham U., Bronx NY 10458.

Want to buy 3-bay antenna on 98.9 plus or minus two channels, also need a 10 kw FM xmtr in good condition. J. Maxton, KQOF, Box 1087, Coffeyville KS 67337.

Wants to buy TFT 763 mono FM mod monitor, working or repairable. N. Herbolt, KBEN, PO Box 335, Carriazo Springs TX 78834.

FM FORUM

CONTRIBUTIONS FROM READERS

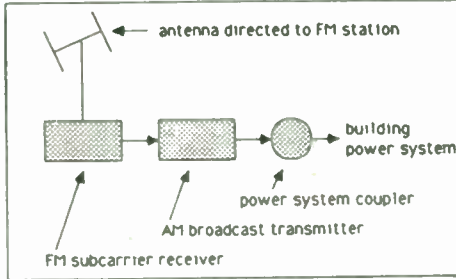
Paul Hake writes in with some Texas news, saying that KJZY 99.1 Denton-Dallas-Fort Worth was continuously monocasting with stereo pilot on for several weeks in April and early May, probably from storm-related STL problems. They're back to full stereo now. Jacksonville-Tyler-Longview KOO1 106.5 still doing quite well with its "b" format at an "excellent" transmitter site at Mt. Selman north of Jacksonville. "The format's survival in the area is most likely attributable to the large proportion of elderly but wealthy residents, [and] by not serving a major metro area, they don't have to play the ratings game and are not under pressure to shift to soft AC. I'm praying they'll survive the '90s with their format intact. . . The soft AC format, with its wide-ranging and universal appeal certainly qualifies it to be a prominent format in all markets. I listen to some soft AC [but] its over-duplication in most markets has come at the expense of other equally-qualified formats being forced out. Lame radio is indeed a cancer spreading across FM dials throughout the country, and I predict that in the '90s this cancer will slowly kill the organism upon which it feeds. I agree with your New Orleans correspondent's predictions of tapered-off radio listening as the baby-boomers continue aging. We may have been unfair in applying the 'lame' adjective to the format. Those individuals and organizations who are unnecessarily over-duplicating the format are more deserving of the term 'lame' than the format itself. . .

"Dallas-Highland Park-Fort Worth 103.7 KVIL-FM has had their AM transmitter under water due to recent flooding. Heard air talent joking about the near-irrelevance of this facility's outage!" Paul's working on a history of Houston FM.

WMWK *88.1 Milwaukee continues to mystify. This off-air station's "last published coordinates are at the old grain elevator, site of WFMR's (96.5) operation for many years. The last application was a political maneuver. The station [owned by Family Stations, Inc.] will undoubtedly wind up on the combined antenna at WITI TV, along with WYMS and WUWM. . . It does sound like this frequency will have a station in Milwaukee over the next year," writes Mark Timpany of WQFM.

Low power AM to solve FM/SCA reception

problems? That's idea advanced in "Hearsay," the quarterly newsletter of the Association of Radio Reading Services. Pitch is to the SCA broadcasters to use a low power AM, carrier-current transmitter to feed a building's power lines and enable folks with AM radio to hear the reading service station. For more information



contact Richard H. Crompton, LPB, Inc., PO Box 88, St. Michaels MD 21663; (301) 745-3977.

Gerry Turro called and assured me "you bet I'll file comments at the FCC" on the FM translator rulemaking proposal. He claims his Fort Lee NJ translator on 103.1 really does have a radiated power of 35 watts, horizontal and vertical nondirectional, using something like 80 elements with a one-watt output. I wonder what kind of structure holds that massive an array? Maybe Gerry can send a picture. He says he grew up in Fort Lee and 25 years ago with tall buildings going up all around, the television reception deteriorated. "That was solved with cable, but FM had no help. FM became full of multipath. My translator has helped solve that problem, and it does bring Z-100 into the clear in areas where it wasn't." I asked, why Z-100—why not all NYC stations? "Z-100 is the only station that approached me; the only one that seemed interested," he said. While carrying the signal of a more distant station—one that is not so easily received on people's normal radios—has a certain appeal, politicaly the FCC seems headed in the direction of not allowing compensation to parties when the station they relay is outside of the station's primary.

"The Record of Clifton NJ has word that the FCC might bend the rules to allow Turro to engage in program origination, citing these unique points about his operation: • No other commercial FM service is being provided in Bergen County, the county that gave birth to FM, with Armstrong's tower in Alpine NJ; • All other eligible FM frequencies are unavailable to serve the county; • Providing program origination would not harm other Bergen County radio stations; • Licensing is supported by the county's government and business community. At 845,000 population, Bergen is said to be the largest county in the nation without a commercial FM station license.

Another FM translator licensee, Peter George of Wareham MA, called and said his 92.1 translator is directional toward a coastal resort community and sprays its signal so as not to interfere with WPRO-FM 92.3 Providence RI. He's using a ten-watt FM exciter fed from the detector of a stereo boom-box to receive primary WCAV (where he's also the chief engineer) 97.7 Brockton MA. This equipment has been shown to the FCC to meet its rules for translators and is fully licensed. "operate this as a public service, not expecting any revenue for it." He reports listeners from the area served by the translator calling in and entering contests, etc.

Remember binaural? Some claim it's the best "stereo," when listened to on headphones. The only national broadcasts specifically produced for binaural listening is John Sunier's *Audiophile Audition*. Write for his free catalog listing binaural recordings and tapes from Box 1727, Ross CA 94957.

Alex Nardacci sent a *New York Times* piece on struggling stations in search of a niche. Desperate AM stations trying to stay alive in the wake of FM's take-over are resorting to children's programming, all business news and travel information. The average AM station in 1989 took in \$360,000, while for FM it was \$1.4 million. In 1978, it was \$380,000 for AM and \$340,000 for FM.

The over-supply of radio stations on Cape Cod was the subject of an article sent by Malcolm Kaufman. The area has 11 commercial FM, three noncommercial FMs and only two AMs that only simulcast their FM counterparts much of the time. The area has gone through a 30 percent population increase, all adding to the opportunity for signal, if not program, diversity. But there is program diversity, as evidenced by WFCC 107.5 Chatham MA, which specializes in classical music. WFCC, at three years of age, is profitable. The audience there is said to be more mature and loyal, making WFCC fifth most popular in the ratings.

Mike Dorner writes in with some items on noncommercial radio: Robert Vaughn, onetime holder of a Jackson MS CP (WVLS 91.5, never activated) and licensee of KJIC 88.1 Pasadena (Houston TX) has applied for a major power station on 89.7 in Santa Fe (Houston area), which might indicate that KTXB Beaumont *89.7 is "caput." There is an application for a religious station in South Bend IN on 89.7A, which means that the long dormant WFAJ *89.5 Michigan City might be dead. "There is an application for what seems to be a serious public radio station in the Chicago area, Crown Point IN on 90.5; this would seem to put the low power WCYC, WMTH and WBHI on alert. . . Although you report KUCCB 89.3 Des Moines is back on the air, two separate applications have been filed for the frequency with the FCC, currently with two separate applications to NTIA for funding for new stations. This Des Moines operation is taking on the aspects of a soap opera. . . Nebraska will add four new stations: North Platte, Bassett, Merriman and Chadron, expanding the total system to almost 759,000 people; the new stations will offer a first service to over 95,000. . .

"Two eastern seaboard areas underserved are the southern tier of New York state and New Jersey-Delaware. In New York, WSKG-FM seeks to build a satellite in Oneonta on 91.7 and WNEF-FM in Jamestown on 89.7. WSLU Canton is seeking funding to activate its new CPs in Peru, Blue Mountain Lake and North Creek. The big news is that WRTI Philadelphia is looking to build a network of repeater stations (not translators) in Jackson Twp PA, Ocean City NJ, Dover DE and York PA, in addition to its Summerdale PA WUCP. Delaware still does not have an NPR affiliate; a distinction I think it shares only with Rhode Island. Then, NJPB seeks to build a low power satellite just outside Camden NJ on 88.1, and was an applicant in the hearing for Atlantic City 107.3B1. And if all this is not enough, WSCS Salisbury MD seeks a network: in St. Mary County MD, in New Castle DE and in the Atlantic City-Burlington-Ocean City NJ area. It's amazing that a state as populated as New Jersey still has only one NPR affiliate.

"If the above plans come to pass, this will leave only Appalachian Pennsylvania with poor NPR reception: between Pittsburgh and Harrisburg there is only WPSU State College; between Erie and Scranton, nothing. ERP increases are planned for KOTO Telluride CO, WFSU Tallahassee FL, WGLT Normal IL, WBNI Fort Wayne IN, WJFF Jeffersonville NY, KAMU College Station TX, WGBW-FM Green Bay WI. Brand new public radio stations are planned for Moab UT 89.7, Jackson Hole WY and Omaha NE. Finally, WRTU San Juan seeks an NPR dish—to be the island's first NPR affiliate."

Another public radio fan is Georgia's Walter Garrett who says "classical music was how public radio got started and classical music should still be available as an alternative to the too-bland commercial fare. . . When will the next 'FM Atlas' be out?" [Good question—my best guess will be this fall; I am working to sell off an excess printing of about 500 books before starting on a new edition—b.e.]

Getting into historic FM formats is Jonathan Gabel who says WCAU-FM Philadelphia claimed in 1970 to be the first "oldies" station, though WOR-FM 98.7 New York had in the late '60s the slogan "The Sound of Gold." "That's two years before WCBS-FM 101.1 made that famous switch from 'autonomous' rock to solid gold. Then in 1975, WCAU-FM claimed to be the first disco station by calling themselves 'Disco Radio,' predating WKTU (92.3) making that famous switch from soft rock to disco, skyrocketing to the top by beating out legendary top 40 WABC AM 770 as the number one radio station in New York. During disco's fading, WCAU-FM called themselves 'Fascinating Rhythm'. On September 22, 1981, WCAU-FM changed to the famous 'Hot Hits' format done by legendary consultant Mike Joseph. In November, 1987, WCAU-FM changed call letters to WOGL and came to be 'Oldies 98'. WDAS-FM (105.3) at first, believe it or not, was Philadelphia's first progressive rock station. In 1970, WDAS-FM made that historical move from progressive rock to progressive soul with Harvey Holliday as program director. This was the same situation as in Pittsburgh when WAMO was a rocker in the late 1960s. They went to their famous soul format in the early 1970s. Hope to have the listing of Philadelphia FM history soon. . . Hope to see 'FM Atlas 13' real soon. Keep up the great work!"

John Jefferson corrected some of the information and my interpretation of it from his report of last month in which he tried to tune in many of the FM translators of Utah and Colorado. He says KZFR *90.1 Chico is due on the air any day. Their transmitter was damaged in transit, but they have the parts and expect to have it on the air by now. KARM 89.7 Visalia had a test tone on and expected to have come on the air by June 23. KBCH 107.7 King's Beach CA was delayed by problems with their antenna and has not yet announced a format, although expecting to have signed on by now. John heard a mystery translator with KCKK 101.1 Kanab UT on it and he wonders if it is none other than K261AD Kanab, relaying the local station, rather than KSFI 100.3 Salt Lake City. "Reports of K211AW's (90.1 Manitou Springs CO) demise seem exaggerated, as it was heard in Colorado Springs 4-22. . ."

"The new 89.3 North Highlands and 88.3 Lone CA should cover the Sacramento area well enough to eliminate the [area Family Radio] translators, but I'm not betting they'll go away. I look for Ron Marland to apply for new frequencies for those on 88.3, 88.9 and 89.3, whether or not they ever operate on the new channels. That would be consistent with Family Stations' piggish philosophy of grabbing everything they can get and then using only whatever they actually need and/or can afford. In the meantime, they block others from using the band space, but that doesn't seem to bother them."

Engineer Peter Russell from Maine mentions that Ed Perry of Educational FM Associates in Duxbury MA had to get WBSF *91.7 Biddeford ME removed from the FCC rolls in order to file the application for Downeast Christian Communications of Freeport ME, which now has a CP for 91.9 in Harpswell (Baileys Island). The group is looking for a site on which to build, with zoning rather strict in the area. "Although I don't belong to the Downeast group, I have been helping them although I doubt how far they will get. They have no money." He's

found them a tower that they can erect and some transmission line, once necessary permits are obtained—and he has advised on the Bath ME stations being off the air (see above, "Off Air").

"I'm glad finally ran across your newsletter—it really hits close to my interest in radio, especially format changes," says Bernardo J. Mora. "I have worked as a parttimer at WEQX Manchester VT and at WWAY Wilmington VT while completing my M.D. degree. Before I leave Albany, I can share with you one or two hopefully interesting things about FM radio here. 1) Albany had been an 'under-radioed' market until a few years ago. In the past three or four years there have been five or six 'new' stations here—the latest one to sign on was WSSV Stillwater-Saratoga Springs, 101.3, 3 kw, stereo, format adult contemporary, gold based. 2) The first FM dual simulcast was actually in this market—WSHQ Cobleskill 103.5 and WSHZ Rotterdam 98.3 ('Sho FM') began simulcasting last April (1989), predating WYAY/WYAI Atlanta by about a week or so. WSHQ was formerly WACS ('WAX 103.5'); WSHZ was WNYJ, which was a new, start-up FM in 1988. The owner of WNYJ subsequently bought WACS and kept the format. Signal coverage is supposed to cover most of this area—WSHZ 98.3 comes in better in the immediate Capitol District (Albany/Schenectady/Troy) whereas WSHQ 103.5 comes in west of the C.D. and even east to the Berkshires. In the latest Arbitron, it achieved a 12+ 1.1 (tied for 14th). 3) WEQX, one of my former employers, has a phenomenal signal reach, thanks largely to its transmitter on Mt. Equinox. Although only putting out 1.3 kw, it can be heard from Ticonderoga NY (north) to Coxsackie NY (south), from Fort Plain NY (west) to Sunapee NH (east). To be sure, there are bad spots, particularly valleys (such as the city of Troy NY) and southwestern VT. And its signal strength can vary with the weather, and competing with 'local' Albany stations signal-wise is impossible. It, too, placed 14th in Arbitron."

FM As It Was—Or Might Have Been

Last month, you'll recall reading on p. 7 how 11 FM stations in New York are negotiating a lease on the Empire State Building. A reader sent a clipping from May 1965 entitled, "Empire State Carries Big Stick for 3 FMs." The three were WOXR-FM (96.3), WHOM-FM (92.3) and WLIB-FM (107.5), and it was mentioned that the three will transmit that fall from the nation's first master FM antenna atop the world's tallest skyscraper. Planned capacity of the antenna was 17 stations, and there is no evidence it was ever fully utilized, with the World Trade Center later diverting some stations from the ESB. "The new FM antenna will bring another phase of broadcasting to the Empire State Building which in 1950 completed its famous tv tower, serving as a central transmission center for New York City's nine tv stations." Included was a first edition *FM Guide* consisting of a New York city area FM transmitter map. There's no date on the guide, but I count 13 stations transmitting from the ESB. Those included WNYC-FM *93.9, WNBC-FM 97.1 and WRFM 105.1. Many of the stations still transmit from the same spots as they did then (I'd estimate the map as being from 1968 or 1969; it had no copyright date). These include WFUV *90.7 in the Bronx and WFME 94.7 in West Orange NJ.

Station addresses and telephone numbers were given. ZIP Codes were included but telephone numbers were like TE 1-1000 for WLIB 107.5. Additional maps for your friends were \$1.50 and a year's subscription to the *FM Guide* was \$7. If you subscribed for a year, the map was free. *FM Guide* included such features as Folio Dial, the most complete FM program

listings available—many with taping times; Consensus Reports—digest of expert opinions on FM, hi-fi equipment, recordings, events; Feature Profiles—of FM stations and outstanding music personalities; Men of Hi-Fi—transcript of round-table talks by experts and leaders of the Hi-Fi industry; Soundings—the Maynard Report, newsletter devoted to FM, Hi-Fi and the Sound business, Features and Reader Reaction—a forum for reader opinions, criticisms and suggestions, likes and dislikes.

I remember being in New York and interviewed on WNYC-FM by author Harry Maynard in 1977 on the program, "Men of Hi-Fi." The tape of the show is in my archives, and while *FM Guide* is no longer being published, Maynard is still very active in audio and is a member of the Armstrong Memorial Research Foundation.

One of the early manufacturers of FM equipment was Fisher Radio, formerly of Long Island City NY. I still use Fisher's classic 500-TX (1969 vintage) as my main FM receiver. It's a receiver whose FM section outperforms many of today's FM tuners, but it has been repaired and modified so many times it probably bears little resemblance to when it was new. A guide put out by Fisher in the 1960s explains how FM stereo multiplex works, with Fisher claiming that it invented the stereo beacon. Selectivity wasn't talked about then—there was less station crowding on the band than now. Instead, "wide-band" stereo circuitry was touted, so that a station spread across much of the dial for the best sound quality. "Some stations will be broadcasting background music to restaurants, in addition to the multiplex stereo program—on the same channel. This background music will not be received on home high fidelity sets, but, by the same token, neither should any interference from this background music signal find its way into a multiplex program. Fisher engineers . . . have developed highly advanced filters to accomplish this objective. As a result, Fisher multiplex adaptors are absolutely interference-free even when the receiver is tuned to stations simultaneously transmitting both multiplex and background music programs." Users of various radio-phonographs not having multiplex can "be converted for stereophonic reception of FM-Stereo-Multiplex by the addition of the Fisher MPX-100 Universal, the MPX-200, and for some, the MPX-50. Inquire from your Fisher dealer which model to get."

Another item sent by Alex Nardacci was a program guide from WSCH 93.7 at 227 Main Street, Hartford 3, Connecticut, dated April, 1963. The station was owned by the South Church Broadcasting Foundation, Inc. and founded to bring diversified and educational programming to 211,000 FM homes in the area. "What WSCH is trying to do is offer the listener an opportunity to THINK. Through effective utilization of the facilities of the Educational Broadcasters and our own local people, we feel that WSCH is fulfilling its purpose," wrote Richard L. Beach, general manager. WSCH signed on at 8:56 a. m. with meditation, *Just Music* came on at 9, *Peaceful Uses of Space* was on from 1 to 1:30 Mondays (similar half hour programs the other days), *Washington Report* at 2, *New Recordings* at 3, and New England News with Al Hulsén at 4:25. I knew Al when he worked at WFCR Amherst and later when he was at MN Public Radio. *Carnival of Books* was on at 6, Lewis Lyons and the News at 6:30, and other talk shows through the evening. Arturo Toscanini with recordings from the NBC Era could be heard from 8:30 p.m. to 10 Tuesdays when *Organ Reveries* preceded the 11 p.m. sign off and devotions. You could support WSCH with a lifetime contribution of \$500, and annual memberships went from \$50 for Sustaining to \$5 for student. I wonder how many people kicked in \$500 only to find that WSCH was not to last? After having been Spanish as WLVI, it's now all weather radio—surely a far cry from its days as WSCH. Bruce F. E. King

FMedia!

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New FM Station, Translator Grants

- AK Cantwell K216BZ *91.1 (KUAC 104.7 Fairbanks translator) [(KUAC)]
AK Denali National Park K215BM *90.9/
AK Tok K216CA *91.1 (KUAC)
AK Valdez K220AD *91.9 (WMBI-FM 90.1 Chicago—100 watts via satellite)
AZ Page K261BX 100.1 (KCKK 101.1 Kanab UT), on air [U., sharing time]
AZ Phoenix *89.5 270 h,v; 259 m, AZ State/*89.5 90 watts h,v; 446 m, Maricopa County Community College. See also "Deletions," below. AZ State to broadcast Tuesday, Thursday, Saturday and alternate Sundays, while Maricopa County Community College will have the channel Monday, Wednesday, Friday and alternate Sundays.
AR Marked Tree 93.7 3000 h,v; 100 m, M. T. Media Partnership [44 m, Elgee Bcstg.]
CA Bakersfield 99.3 3000 h,v;/ [Francisco]
CA Benecia K201BV *88.1 (KQED-FM 88.5 San/)
CA Carmel Valley KPUP-FM1 104.3, 10-watt booster of Gonzales station
CA Honey Lake (28 km SE Johnstonville) K220DB *91.9 (KUNR 88.7 Reno NV)
CA Los Gatos KLR5-2 99.1, 10-watt booster of Santa Cruz station [of Gonzales station]
CA Monterey KPUP-FM2 104.3, 10-watt booster/
CA Redding KCEZ-1 100.7 250-w booster of Corning station [of Santa Cruz station]
CA Saratoga KLR5-1 99.1, 10 watt booster/
CA Soledad 105.3 630 h,v; 213 m, S. Radio
CA Susanville K220DB *91.9 (KUNR 88.7 Reno) [90.9 Paonia]
CO Lake City K203BH *88.5 (KVNF/
CO Montrose K218BG *91.5 (KPRN 89.5 Grand Junction)
CT Fairfield W220AC *91.9 (WMNR 88.1 Monroe—with separate lobes to Bridgeport and Westport)
FL Cedar Key (off west coast of FL) 102.7 3000 h,v; 100 m, Karen Voyles [Investments]
FL Key West 107.9 100000 h,v; 141 m, CSJ/
FL Palm Bay *88.5 1000 vertical only; 30 m, directional antenna (d-a) g, Victory Christian Academy
FL Stuart WCNO *90.9 100000 h,v; 55 m, g, National Christian Network, co-owned with WMIE *91.5 Cocoa FL. Did not delete, and not in Palm City FL. Came on the air during Easter week. NCN has future expansion plans, "but will go into markets only where there is no Christian outlet."
GA Ocala 98.5 3000 h,v; 100 m, Osceola Communications
ID Cascade K2158B *90.9 (KBSU 90.3 Boise)
ID Lower Stanley (assumed located below "Stanley" ID) K216CD *91.1 (KBSU)
IL Kankakee 95.1 3000 h,v; 100 m, Baldridge-Shelton [m, IL Valley Radio]
IL Spring Valley (Peru) 103.3 3000 h,v; 100/
IN Anderson 98.7 3000 h,v; 100 m, A. University
IN Terre Haute *88.5 550 h,v; 308 m, g, IL Bible Institute
IA Eldora 99.5 3000 h,v; 100 m, E. W. Bie
KS Wichita K261BL *100.1 (KGAM 90.7 Wichita); in "downtown Wichita," while KGAM's site is at Udall KS
KY Barbourville W218A1 *91.5 (WMMT 88.7 Whitesburg)
KY Harlar W217AB *91.3 (WMMT)
KY Paintsville W207A0 *89.3 (WMMT)
KY Prestonsburg W206AB *89.1 (WMMT)
MA South Yarmouth 103.9 3000 h,v; 100 m, Cape Cod Radio [of Atlanta MI station]
MI Petoskey WAIR-1 92.5 1-w booster/
MI Port Huron 102.3 3000 h,v; 91 m, P. H. Family Radio—grant reinstatement
MN Brownville KXDL 99.7 3000 h,v; 100 m, Allyn R. Stercel [m, MN Public Radio]
MN Thief River Falls *91.5 84000 h,v; 198/
MT Froid K205BX *88.9 (KMHA 91.3 New Town ND) [watt translator]
MT Wolf Point K216CB *91.1 (KMHA, 100-/
NM Los Lunas 106.3 3000 h,v; 100 m, Patricia Komorowski [Monroe-Livingston Radio]
NY Honeoye Falls 107.3 3000 h,v; 100 m, /
NY Voorheesville (Albany) 96.3 200 h,v; 341 m, R. Bryan Jackson [88.1 Asheville]
NC Hazelwood W214A1 *90.7 (WCQS/
NC Topsail Beach (NE of Wilmington) 103.9 3000 h,v; 100 m, Topsail Bcstg.
OH Toledo *88.3 110 h,v; 38 m, U. of Toledo; to share time with WXTS 88.3 Toledo
OR Bignonia (40 km WNW Portland) 107.5 2000 h,v; 121 m, Common Ground Bcstg.
OR Richland (50 km E. Baker) K220DA *91.9 (KRBM 90.9 Pendleton)
OR Seaside 94.7 3000 h,v; 100 m, S. Bcstg. Corp.
PA Mount Carmel 99.7 1000 h,v; 159 m, H&P Communications [air Communications]
PA Riverside 92.3 440 h,v; 254 m, Contro-/
SC Bishopville 93.7 3000 h,v; 100 m, JKRC Central Communications [Network]
SC Cayce *88.7 150 h,v; 43 m, g, Bible Bcstg./
SC Kershaw 106.1 3000 h,v; 100 m, Jeffrey C. Sigmund [TBJ Broadcasting]
SC Walterboro 105.3 3000 h,v; 100 m, /
TN Goodlettsville 97.1 50000 h,v; 150 m, DG Enterprises [Pioneer Radio FM, Inc.]
TN Waynesboro 94.9 3000 h,v; 100 m, /
TX Bryan 99.5 3000 h,v; 100 m, Mex-American Communications [R. Valley Bcstg.]
TX Liberty 99.9 50000 h,v; 143 m, Trinity/
TX Muenster 106.5 3000 h,v; 100 m, Gain Air Co. [91.5 Logan]
UT Orangeville K214BF *90.7 (KUSU/
UT Price K216CC *91.1 (KUSU)
UT Provo K204B0 *88.7 (KUSU)
VT Sunderland (Manchester) 95.1 45 watts h,v; 734 m, R. New England, Inc.
VA Coeburn W201A1 *88.1 (WMMT 88.7 Whitesburg KY) [g, Central WA Ed. Found.]
WA Wapato (Yakima) *89.5 15000 h,v; 297 m, /
WI Madison W207AM *89.3 (WMWK 88.1 Milwaukee) [m, William L. Moir]
WY Burns (Cheyenne) 101.9 50000 h,v; 150/
BC Vancouver a station with "s" (dance music) granted to CISL 650 Richmond BC. No frequency decided; power, height not announced.

Call Letters Assigned

- AZ Tucson 99.5 KIIM'-FM'' (from KIIM-FM; AM gets new calls)
AR Camden *89.5 KCAC
CA Auburn 105.1 KXDR
CA Bakersfield 107.9 KUZZ'-FM'' (KUZZ-FM; AM gets new calls) [CA Randsburg *89.7]
CA Chowchilla 93.3 KXDA [KGMB (KGBM), not
CA Merced 107.7 KXDE [yet on the air
CA Mojave 97.7 KAVS (not changing to KHXT), "Hot 97.7 FM"
CA Morgan Hill 96.1 KSJQ (KRAC)
CA Sacramento *88.9 KXPQ
CA Santa Cruz 99.1 KLR5 (KLR5-FM), o, being bought, subject to FCC approval, by Viacom, along with KOFY-FM 98.9 San Francisco. Both stations to simulcast, which will help resolve an interference problem each station has experienced from the other.
CA Tracy 100.9 KSGO (KYBB)
CT Stamford 96.7 WQQQ (WJAZ), now o, Unistar oldies, "Q-96.7"
DE Lewes 105.9 WXJN
FL Arcadia 98.3 WOKD-FM (WOKD)
GA Omega 107.5 WXJF
GA Richmond Hill 105.1 WRHQ
IL Bethalto 95.5 WXJO
IL Le Roy 104.1 WRXZ (WMLA-FM)
IN Columbia City WBBE (WZRO), to return with \$[tereo]
IN Nappanee 95.7 WXJG [r, "Q-106.5"
KS Arkansas City 106.5 KYQQ (KWKL),/
KS North Fort Riley 102.5 KXDJ
KY Greenville 105.5 WWHK (WGKY-FM)
KY Louisville 103.9 WZKS (WXLN), r, "Kiss"

KY Mount Vernon 102.9 WXJJ [(from "The Kiss")]
 LA Tioga 103.5 KLA (not KLLA), "LA-103.5"
 ME Kittery 105.3 WKCD (WYCD)
 ME Milbridge 93.7 WXJH
 MI Fremont 100.1 WSHN-FM (not WSHN, as given on p 112 FM Atlas-12), still k
 MI Grand Rapids 98.9 WXJI
 MI Lapeer 103.1 WWGZ (WDEY-FM), m, "Wings 103.1"
 MI Oscoda 95.7 WXJD
 MN Albert Lea 94.9 (moving to, from 95.3) KRGR (KCPI), m, no nonID
 MS Jackson 96.3 WJDX (WSLI-FM)
 MS Newton 106.3 WMYQ-FM (wMYQ), both WMYQ AM and FM are silent
 MO Seligman 95.3 KESE (KJEM), b, "95 FM," has stereo
 NJ Margate City 96.1 WMXL (WFOU)
 NM Espanola 102.3 KMYK (KMIO)
 NM Los Alamos 106.7 KBOM (KPZA), o [Idies], dropping Spanish
 NY East Windham *89.9 W210AP
 NY Henderson 100.7 WXJE
 NY Mount Hope *90.1 WDHZ (WEXX)
 NC Burgaw 99.9 WVBS-FM (WVBS)
 NC Laurinburg 96.5 WMXF-FM (WSTS), r, CHR
 NY Moyoock 92.1 WTZR (WJOFM), p (SMN Z-Rock)
 OH Belpre *91.7 WMBP (WQHD)
 OH Cleveland 99.5 WGAR "FM" (WGAR-FM; AM gets new calls)
 OH Gallipolis 101.5 WGTR "FM" (WGTR-FM; AM gets new calls) [op, classic rock
 OH Port Clinton 94.5 WXKR (not WXOF)]
 OK Okmulgee 94.1 KTHK (KOKL-FM)
 PA Avis 99.9 WHUM "FM" (WHUM-FM; AM in Hughesville gets new calls)
 PA Elizabethtown *88.3 WVEC (WQHE)
 PA Grove City 95.1 WRKU-FM (WRKU; AM in Burnettsville SC)
 PA Pittsburgh 104.7 WEZE-FM (not WESE-FM)
 PA Salladasburg 95.5 WKHL-FM (WKHL; AM is in Hughesville) [is in Charleston)
 SC Goose Creek 94.3 WUJM-FM (WUJM; AM/SC Pageland 102.3 WMAP-FM (WCPL), ID with Monroe
 SC Surfside Beach 103.1 WYAK-FM (WYAK)
 TN Gatlinburg 105.5 WDLV (WSEV-FM), "Dolly-wood Radio" (for Dolly Parton)
 TN Harrogate 96.5 WXJB
 TN Surgoinsville 104.3 WEYE (WLKW)
 TX Dallas-Fort Worth *90.1 KERA-FM (KERA), no longer identifying with Denton
 105.3 KRSR (KQZY), m, "Star 105.3"; its SCS has tM, 67; r, 92
 TX Devine 92.1 KTXH (not KYTX, which is in Beeville TX, 97.9)
 TX Houston 96.5 KHMV (KNRJ), "Mix," but still using KNRJ call letters once per hour, "96.5" nonID otherwise; r, "modern rock"
 TX Kenedy 92.1 KKCR (KTNR), to return to air
 TX Littlefield 95.5 KXDM
 UT Coalville 92.5 KCUA
 VA Emporia 99.5 WXJA (WEVA-FM)
 VA Farmville 101.3 WXJK
 VA Lynchburg 105.9 WMXQ
 WV Oak Hill 94.1 WXAS (WVMA)

WI Lomira 106.7 WFDL, to 2000 h,v; 120 m
 WI Waupun 99.5 WPKR (WGGQ)
 ON Sudbury 92.7 CJRQ (CIGM), r, "Q-92"
 ON Timmins 92.1 CJQQ (CFTI), "Q-92," r

Facilities Changes Granted

AL Cordova WFFN 95.3 (from 92.9) 2200 h,v; 166 m
 AL Selma WDXX 100.1 50000 h,v; 88 m, C2
 AZ Kingman K285DM 104.9 has XKTZ 94.1 Henderson NV (from KOOL-FM 94.5 Phoenix AZ)
 AR Beebe KPIK 101.5 6000 h,v (100 m), being built by Barbara Faith and Judi Davis, expected on by April '91. Davis returned to U. of AR-Little Rock after a 20-year hiatus and won a \$1000 scholarship given annually to an UALR student who shows promise in broadcasting. The scholarship honors Steve Stephens, long-time local broadcaster.
 AR Booneville KBSS 104.7 (from 92.1) 50000 h,v; 150 m, C2, format to kg
 AR Fayetteville K269BE 101.7 has KLMK 107.3 Poteau OK on it, not KOLX 94.5 Barling AR
 CA Colusa KKLK 103.1 130 h,v; 599 m
 CA Los Angeles KPFK *90.7 112000 h,v (863 m). "I'm the C.E. for KPFK. I used to take care of KSRF and KXLU as well, but it got to be too much to do all three. . . I installed the transmitters that these three stations are now on the air with." [m, d-a
 CA Santa Monica KSRF 103.1 3000 h,v; 81/
 CO Glenwood Springs KMTS 99.1 (from 92.7) -70 m (25000 h,v) [95.5; seeking 95.3)
 CO Rocky Ford KAVI-FM 95.9 (not moving to/CT New Britain WFCS *107.7 (from 97.9)
 FL Macclenny WJXR 92.1 6000 h,v (100 m) [C2
 FL Mexico Beach WLPC 99.3 50000 h,v; 150 m,/
 FL Titusville WPIO *89.3 7000 h,v; 91 m
 GA Albany WGPC-FM 104.5 100000 h,v; 299 m, adds v
 GA Greensboro WDDK 103.9 100 m (3000 h,v)
 IL Anna WRAJ-FM 96.5 (from 92.7) 22500 h,v; 227 m, adding vertical, C2
 IL Monmouth WMOI 97.7 3400 h,v; 134 m
 IN Angola WLK1 100.1 2100 h,v; 120 m
 IA Ida Grove KIDA 92.9 15900 h,v (91 m), to return with \$tereo]
 IA Mason City KCMR *97.9 (having moved from

104.9) [m, d-a
 NC Charlotte WMXC 104.7 100000 h,v; 376/
 OH Millersburg WKLM 95.3 d-a
 OK Locust Grove KEMX 94.5 (from 100.7) 2300 h,v; 112 m
 OK Stillwater KOSU *91.7 308 m (100000 h,v)
 OR Creswell KERT 95.3 400 h,v; 368 m
 OR Newport KYQT 102.7 (from 102.5) 99200 h,v; 274 m, C1
 OR Portland KUFO 101.1 100000 h,v; 498 m
 PA Curwensville WOKW 102.9 350 h,v; 288 m
 SC Hanahan WAVF 96.1 440 m (100000 h,v)
 SD Vermillion KVHT 106.3 (having moved from 102.3) [7000 h,v; 183 m, C3
 TN Monterey WRJT 106.9 (from 107.1)/
 VA Danville WAKG 103.3 199 m (100000 h,v)
 VA Harrisonburg WZJM *88.7 390 h,v; 20 m
 VA Orange WJMA-FM 98.9, having moved from 96.7 [m, d-a, adding vertical
 VA Winchester WTRM *91.3 6000 h,v; 411/
 VA Woodstock WAZR 93.7 6000 h,v; -3 m, having moved from 95.9

Stereo, or to be Stereo

AL Dadeville WDWI *88.7, gr
 AK St. Paul KUHB *91.9 "always [stereo]—even when rebroadcasting KDLG AM's mono signal, they keep the stereo light on. They do feature a couple of hours of local programming each day."
 AR Hot Springs KALR *91.5
 CA Visalia KARM *89.7, g
 FL Port St. Joe WMTO 93.5, r, on air
 IA Iowa Falls KIFG-FM 95.3, mk
 KS Burlington KSNP 95.3, k, ID with Le Roy
 LA Dry Prong KVDP *89.1 on 24 hours a day, not connected to any church; run by a husband and wife ("failed to get name [she] was delightful, spirit-filled"), building a 91-meter tower and will go stereo; hopes to be 40 kw.
 LA Lake Charles KOJO *91.7, g, IDing as "KCJO-FM," "and the FM is stressed." Run by Criswell network.
 MI Vassar WOVE 98.9 s, "Wowie"
 MS Greenwood WGNL 104.3
 MO Cameron KDEE 92.3, k, "K-Lite 92.3," simulcast with KAYQ, "Ozark 98," 97.7 Warsaw MO [field, new on air
 MO Republic KADI 99.5, gr, ID with Spring/
 MO Tarkio KTRX-FM 93.5, k, finally embraces stereo
 NE Alliance KTNE-FM *91.1, cn
 NE Hastings KLINE-FM *89.1, cn
 NE Lexington KLINE-FM *88.7, cn
 NE Norfolk KXNE-FM *89.3, cn
 NY New York WNYE *91.5. The only other old school-board station known not to have stereo is KSLH *91.5 St. Louis.
 OK Heavener ("heave-en-ur") KPRV-FM 92.5 (k, CBS) [SCS, "Bright 105" (strict)
 OK McAlester KZBX 104.9, tU 67 kHz/
 OK Taft KHJM 100.3, rk
 TN Crossville WEGE 102.3, k, on air, simulcasting with AM station WCSV
 TN Parsons WKJQ 97.3, k
 TX Beeville KYTX 97.9, r, "Y-98." Note its calls are not repeated in Devine TX.
 TX Premont KMFM 104.9, Spanish, g
 TX Winfield KYKM 97.7
 VE Veracruz XHRN 96.5, "Radio Alarea"

WE'VE MOVED!
KCMR IS NOW LOCATED
AT 97.9 MHZ.

PLEASE TELL A FRIEND ABOUT KCMR, THE NON COMMERCIAL STATION WITH THE EASY LISTENING AND INSPIRATIONAL MUSIC

98.3) 4500 h,v (91 m). KNIQ there has not yet moved to 93.9 from 93.5. [from 92.1
 KS Coffeyville KQQF 98.9, having moved/
 KS Goodland KKCI 102.5 217 m (100000 h,v)
 KY Burnside WJDJ 93.9 50000 h,v; 150 m, rp
 KY Murray WBLN 103.7 201 m (100000 h,v)
 KY Paris WCOZ 96.9 (from 96.7) 50000 h,v; 150 m, C2
 LA Galliano KBAU 94.3 25000 h, v (91 m), C3. "Is hard to get here in New Orleans, thanks to adjacent WXLT 94.1 McComb MS, which IDs as McComb-Baton Rouge."
 ME Rockland WCMC 103.3 31200 h,v (187 m)
 MA Boston WERS *88.9 4000 h,v; 186 m
 MI Caro WIDL 92.1 (having moved from 104.9). "Suffered interference from WQRS 105.1 Detroit and WKJC 104.7 in East Tawas."
 MI Houghton WOLF 96.3 177 m (100000 h,v), still on 97.7 [(195 m)
 MN North Mankato KDOG 96.7 1400 h,v/
 MN Red Wing KWNG 105.9 50000 h,v; 150 m, C2 [now "Z-95"
 MS Marion WZMP 95.1 182 m (26000 h,v),/
 MO Brookfield KZBK 96.9 (from 97.7) 27500 h,v; 48 m, C2
 MO Gordonville KTXI 99.3 91 m (3000 h,v)
 MO St. Louis KWMU *90.7 100000 h,v; 305 m
 NV Jean K232CP 94.3 (back to, from K285-

CA Mt. Bullion KCIV 99.9 Christian talk—no music
 CO Iganaci o KSUT *91.3
 IL Havana WDUK 99.3
 IA Boone KFQG-FM *99.3
 IA Des Moines KUCB *89.3, still with low power; KDMI 97.3
 IA Harlan KNOD 105.5
 MA Worcester WICN *90.5, heard recently with classical; assumed to be a temporary stereo outage
 OK Bethany KNTL 104.9 "no stereo—only in commercials. There is no advantage to stereo with our talk format and we may stop using it." Remove stereo listing.
 OK Eufaula KCES 102.3, all k
 OK Henryetta KVAZ *91.5, g, heard carrying USA Radio Network commercials
 TX Bishop KFLZ 107.1, Spanish, l, remove stereo listing

Formats

Formats are the same as in the *FM Atlas*

AK Fairbanks KXLR 95.9 o, SMN Pure
 AK Nome KICY-FM 100.3 rg, "Y-100" (strict), "avery impressive outlet. It is still automated, but doesn't sound it. An adult-contemporary/gospel station which was very refreshing to listen to. Enough upbeat, non-preaching type of music to not offend or turn off listeners, but plenty of 'adCon' and cleaner top-40 tunes to be contemporary enough for teenagers and young adults. Certainly not head-banging, but not Family Radio or Moody either. Still on 84 watts, from the same 13 1/2 meter tower with same four-bay antenna (lowest bay is 240 cm above ground). An amazingly good signal for such low power. Even driving north and east out of town, the signal was good and steady for 16 km over fairly flat land and tundra. Naturally, once up into the mountains the signal was long-gone. But I was amazed for such low power and such a short antenna tower that the signal was as strong as it was. Especially in stereo, this station held up well."
 AK Seward KUHA *88.1 to be cj
 AZ Kingman KGMM 100.1 k
 AZ Phoenix KMEQ-FM 96.9 mr, "soft adult contemporary"
 AR Jacksonville KEZQ-FM 100.3 mr
 CA Carlsbad KKOS 95.9 mr, "bright AC"
 CA Davis KLCQ 105.5 or, "classic rock"
 CA Los Angeles KTWV 94.7 rj, more so than mj
 CA Pebble Beach KSPB *91.9 still r, operates evenings only from Robert Louis Stevenson High School [on with B1 power and site
 CA Ridgecrest KZIQ-FM 92.7 rm, "Q-Lite,"/
 CA San Francisco KOFY-FM 98.9 o, parallel to KLRS 99.1 (see "Calls," above, Santa Cruz)
 CA Visalia-Fresno KFSO 92.9 o, buries city of license in top-of-hour "KFSO Visalia-Fresno weather"; "K-Fresno" (fairly strict)
 FL De Funiak Springs WQUH 103.1 k
 FL Miami WLYF 101.5 m, "80% vocal and I love it! Carpenters, Streisand, Sinatra and Manilow are being overkilled though." Still "Life."
 WEAT-FM 104.3 is the only b station left in SE Florida, "if one can get it. I'm blessed by God to have a good location to live. I can get WEAT-FM and other Palm Beach stations."
 GA Rome WQTU 102.3 o, SMN Pure
 GA Savannah WJCL-FM 96.5 mr, "Sunny 96"
 GA Waycross WWUF 97.7 rm, SMN AC
 HI Honolulu KIPO-FM *89.3 jc, also news KHHH 98.5 rj, more so than mj
 HI Kealahou KQAS 92.1 m; also heard on 103.1 in Hilo from K276DG Humuula, transmitting from the center of the island
 IL Coal City WKBM 100.7 o, \$
 IL Des Plaines WYLL 106.7 to drop contem-

porary Christian? Being sold, subject to FCC approval, to Salem Communications for \$8 million. Buyer has indicated it will serve the Chicago market "with a format of Christian teaching programs and inspirational music."
 IL Dwight WKDL 98.9 to be o [Idies]
 IL Eldorado WEBQ-FM 102.3 k
 IL Loves Park WLUV-FM 96.7 r, "The Heat"
 IL Marseilles WKOT 96.5 to be o. This, Dwight and Coal City form a triangle just SW of Chicago with an oldies network. [dust!]
 IL Peoria WSWT 106.9 mr—"another b bites the/l
 IL Wateka WGFA-FM 94.1 k
 IN Brazil WSDM 97.7 k
 IN Cannelton WKCM-FM 102.9 k
 KS Emporia KNGM *91.9 gr, still \$, †M 67
 KS Wichita KGAM *90.7 gr, \$
 LA Hammond KSLU *90.9 jr, "jazz and more," but "the station constantly fools with its program schedule"
 MN Litchfield d-St. Cloud KMXK 94.9 mj, still "The Mix" [Pure, "K-93"
 MS Holly Springs WKRA-FM 92.7 o, SMN/
 MS Jackson WJMI 99.7 s, still "Power 99"
 MO Butler KMOE 92.1 k, \$
 MO Clinton KDKD-FM 95.3 k, \$
 MO Kansas City KMBR 99.7 mr
 MO Liberty KXXR 106.5 s, "X-106" [94"
 MO Poplar Bluff KCLR 94.5 k, "ClearCountry/
 MO Sparta KLTQ 96.5 rm, \$, ID with Springfield
 NE Beatrice-Lincoln KTGL 92.9 op, "The Eagle"
 NE Lincoln KUCV *90.9 cn, \$
 NE Omaha KESY-FM 104.5 m, still many b selections, especially daytime [108," \$
 NE West Point KWPN-FM 107.9 rm, "FM-/
 NE York KAWL-FM 104.9 o
 NV Carson City KRWR 94.7 m
 NJ Atlantic City WFGF-FM 96.9 r, CHR/pop, not "hard, album rock"
 NJ Trenton WKXX 101.5 ot, oldies and talk, "Safe" oldies, not really lame. The station is making a big splash with listeners," especially with on-air talk hosts arguing against the governor's plan to raise taxes.
 NY Dansville WACZ 93.9 tr, mono, "Z-94," with adult contemporary days; talk shows at night
 NY Ithaca WVBR 93.5 rp
 WQNY 103.7 op, "Classic Q" (strict), from "Q-104"
 NY Southold WBAZ 101.7 m
 NC Wachese WOBV-FM 95.3 m
 NC Whiteville WZFX 99.1 s, "99-1 The Fox"
 OH Canton WHBC-FM 94.1 rm, adult contemporary
 OH Cincinnati WWEZ 92.5 mr, soft AC
 OH Elyria-Cleveland WNWW 107.3 rj
 OH Fredericktown WJMR 98.3 m
 OH Middletown WPFM-FM 105.9 k, "The Country Rebel"
 OH Nelsonville WAIS-FM 107.7 k
 OK Edmond KTNT 97.7 mj with "contemporary jazz. I hope you will listen to us as you go"
 OK Pauls Valley KGOK 97.7 r
 OK Perry KJFK 105.1 rm, "K-105 FM"
 OK Seminole KSLK 105.5 k, \$, "105 Country"
 OK Tahlequah KEOK 101.7 k, \$ [SC Greenville
 OK Woodward KWDQ 102.3 o [WFBC-FM 93.7
 OR Cave Junction KCNA 102.7 k [o, still "B-93.7
 OR Roseburg KRSB 103.1 rm [FM.
 PA Clarion WCCR 92.7 r, CHR [FM.
 PA Pittsburgh WHTX 96.1 o, portending an oldies war with WWSW 970 and WWSH 99.7
 PA Shamokin WSPJ 95.3 rm
 SC Columbia WCEZ 93.5 mr
 SC New Ellenton WAJY 102.7 m
 SD Pierre KLXS 95.3 o, "Classic 95.3"
 TX Eastland KVMX 96.7 mr, Drake soft AC
 TX El Paso KTSM-FM 99.9 mr [sive rock]
 TX Fredericksburg KFAN 101.1 p [rogres-/
 TX Houston KRBE 104.1 sr, still "Power 104"
 TX Luling-Austin KAPT 94.7 k, "The Cat," via satellite, no SCS (had †U 92)
 TX Odessa KKKK 99.1 gr
 UT Richfield KKWZ 93.7 m
 VA Lynchburg WKZZ 100.1 m

WA Bellingham KZAZ *91.7 to be cn, hoping for an August start, along with a translator on a yet-unnamed frequency on Mount Constitution to serve the San Juan Islands; other translators are planned for Anacortes and Port Angeles WA. Now conducting a drive for \$266,000 for construction of a tower, studio and office space in the Bellingham Towers; hours to be 6 a.m. to midnight; Patrick Conley, general manager.
 WA Moses Lake KDRM 99.3 rp
 WA Omak KOMW-FM 92.7 k
 WV Ripley WCEF 98.3 k
 WI Sheboygan WWJR 97.7 m
 WY Jackson KMTN 96.9 r
 ON Ohsweken CFNC 103.9 kr, mono, 15 m (10 watts horizontal; hopes to go to 50 watts soon)

On the Air (Selected)

AK Anchorage KASH-FM 107.5 back on after a fire knocked out its studios. Was off for three hours until KFQD AM lent its studio and KYAK its country records. KKSD (AM) Anchorage returned that evening; KASH AM is in Modesto CA.
 AR Fayetteville K249CE *97.7, K261AX 100.1
 CA Inyokern K237CG 95.3
 CA Lancaster K205AK *88.9
 IL Le Roy WRXZ 104.1, having moved from 92.7, ID with Bloomington-Normal
 IL Urbana WKIO 92.5, having moved from 103.9
 IA Sioux Center KTSB 93.9 (from 94.3)
 MN Cloquet-Duluth-Superior (WI) WSCN *100.5, mono, having moved from 100.9
 MN Tracy KARL 105.1, heard testing
 MO Camdenton KCVO *91.7, having moved from 90.7, \$, g
 NE Beatrice K249CK *97.7 and K288EK 105.5
 NY Brockport WBSU *89.1, having moved from 88.9
 OK Chickasha K202BD *88.3
 TX Odessa *90.5 KENT-FM, but still using KEHC call letters
 ON Toronto CKO 99.1? A testing station heard, varying from CBC AM, CBC FM, and CFTR AM, a Toronto rock station. On to protect their SCMO contract?



Off Air, or Not Yet On

AL Linden WDAL 96.5
 AK Anchorage KXDZ 103.1 [a manager
 AK Soldotna KUHK 96.5, but advertising for/
 AZ Clifton KJJJ 102.1
 AR Fayetteville K205-- *88.9
 CA Coalinga KNGS 100.1
 CA Fresno KFNO *90.3
 CA McFarland KSUV 102.9, but still using KXEM-FM calls, mono and low power
 CA Paradise KCHH 103.5, still on 92.7
 GA Sparta WHAN 102.7, one of the Thomas Root partnerships; CP has expired, but can apply for reinstatement of expired CP
 IA Grinnell
 KICL 106.7
 IA Onawa KOOO 102.3
 IA Sac City KSRG 105.1
 KS Caney KEQJ 101.1
 KS Emporia KGZF 99.5
 KS Eureka KOTE 93.5
 KS Hutchinson KFRK *91.5
 KS North Newton KBCU *88.1
 MI Highland Park WHPR *88.1
 MI Vassar WOVE 98.9
 MN Duluth W249AM 97.7
 MS Ellisville WJXK 102.5 (still on 102.3)
 MO Clinton KLRQ 96.1
 MO Liberty KWJC *91.9—for the summer?
 MO Versailles KLGs 95.1
 NE Auburn KAUB 105.5
 NE Blair KBWH 106.3, left air about July 1; heard in stereo as late as June 27. "The small stations around here get bought and sold and they come and go."

NE Omaha KPQB *88.1
 NE Winnebago KSUX 105.7
 NJ Franklin Lakes WRRH *88.7
 NY Binghamton WUCI *91.5—has been on the air other summers, but they "were housed in extremely cramped quarters downtown and were always strapped for funds."
 NY Vestal W209AJ *89.7, even though always mentioned by WSKG *89.3 Binghamton in its hourly legal ID
 NY Wurtzboro WZAD 97.3, may come on as classical
 OK Guthrie K201-- *88.1
 OK Sulphur KFOM *91.1
 TN Elizabethton W202AC *88.3, Greeneville W276AL *103.1 and Johnson City W276AH *103.1—all Moody translators of WMBW 88.9 Chattanooga
 TX Carrizo Springs KCZO 92.1, "came on temporarily, but has been silent for several months."
 KQMG 93.5 "silent for some time," remove \$ listing
 TX Farwell KLZK 98.3

Deletions

AZ Kingman K257DG 99.3
 AZ Phoenix K208BW *89.5(see "New," above)
 AZ Williams K DAN 96.7
 AR Fayetteville K276CO 103.1
 AR Springdale K224AW 92.7, K244BY 96.7
 CA Chico K296CN 107.1
 CA Verona K207AW *89.3 (replaced by North Highlands 89.3 CP)
 CO Edwards K276-- 103.1 (before that it was a CP known as K244CL 96.7)
 FL Kissimmee WOOG *89.5
 IA Des Moines K288DX 105.5
 KS Emporia K228CF 93.5
 NE Beatrice K285CB 104.9
 NH Gorham WMIH 107.1
 NM Lordsburg K272-- 102.3, K285-- 104.9
 OK Ardmore K252CA 98.3
 OK Choctaw K202BH *88.3
 OK Del City K288CT *105.5
 OK Edmond K228CB *93.5
 OK McAlester K221CC 92.1, K237BF 95.3, K240BF 95.9, K280CH 103.9
 OK Moore K296CI 107.1. "We no longer run that translator, and you should find reception improve in Moore after we replace our old transmitter and go for an upgrade" at KTNT 97.7 Edmond-Oklahoma City
 OK Norman K201-- *88.1, still on air, but to be displaced by new KMSI *88.1 Moore K237BT 95.3
 OK Sallisaw K221CK 92.1
 OK Webbers Falls K220BL *91.9
 TX North Houston. K285CS 104.9, dropped "because their surveys indicated not many listeners tuned in." Main channel on 92.1 in Seabrook TX hoping for a boost by late summer to 50000 h,v (C2).
 WV Princeton W216AK *91.1 (because of new WPIR *91.1 Bluefield WV)
 WI La Crosse W216AD *91.1 (because of new KXLC *91.1 La Crescent MN)

SCServices, 57, 67 and 92 kHz

Symbols are as in the "FM Atlas"

AR Fayetteville KUAF *91.3 tM 67, R 92
 KXIX 103.9 no SCS (had tM 67) [92]
 AR FortSmith KBBQ 100.9no SCS (had tU/
 CA Cupertino KKUP *91.5 tU 67

CA Los Altos KHQT 97.7 tX 67
 CA San Francisco KSAN 94.9 tY 92 (no 67)
 KEAR *106.9 tM 92; no 67 (replaces tX 92)
 CA San Jose KSJO 92.3 no tX 92, no SCS
 KOMA 98.5 tE 67, tE 92; Chinese or similar Oriental languages
 CA San Mateo KCSM *91.1 no SCS (had tX 92)
 CA Santa Clara KARA 105.7 tX 67
 GA Cumming WVEV *91.5 tB 67 resumed [98"
 HI Hilo KKBG 97.9 tU, 67 (AFSK), "K Big/
 HI Honolulu KHPR *88.1 tX (FNN Data) 67; tT 92, but only on 6 a.m. to 8 a.m. daily
 KIKI-FM 93.9 tE 92; no 67; "Hot 1-94"
 HI Lihue KFMM 96.9 tU 67
 HI Wailuku KAOI 95.1 tU 67 ("25hz telemetry"), "95-FM" (from "FM 95")
 IA Clarinda KMA-FM 106.1 tU 67; no nonID, ID with Shenandoah (not Fairway MO)
 IA Clarion KRIT 96.9 tM 67 (tU 92)
 IA Des Moines KDZ 93.3 tD 57, no 67
 KLYF 100.3 no 67 (had tF), tX 92
 KRNR 102.5 tX 67 (not tM)
 KS El Dorado KBUZ 99.1 tU 92
 KS Hutchinson KZSN-FM 102.1 no SCS (only open carrier 67; had tU) [(had tX 67)
 KS Junction City KJCK-FM 94.5 no SCS/
 KS Lawrence KLZR 105.9 tM 67, no tU 92
 KS Leavenworth KRKV 98.9 tU 92
 KS Pittsburg KKOW-FM 96.9 no SCS (had tM 67), no nonID [with Manhattan
 KS Salina KHCD *89.5 tX 67; ID/
 KS Topeka WIBW-FM 97.3 no SCS (had tM 67)
 KTPK 106.9 tU 92
 KS Wichita KMWU *89.1 no tY 92 (has tT 67)
 ME Scarborough WPKM 106.3 no SCS. "May have had tT at one time, but not since I came here."
 MI Battle Creek WKFR 103.3 tC 67—relay of WKMI 1360 AM in Kalamazoo; tU 92
 MI Grand Rapids WCSG *91.3 tM 67; tG 92, which is "The Children's Sunshine Network," heard mornings with all kiddies' programming, "The children's outreach of WCSG... Call WCSG to rent a receiver."
 WJFM 93.7 still tM 67; tU 92 (transmitter control for WQLR 106.5 Kalamazoo)
 WGRD-FM 97.9 tU 67
 WCUZ-FM 101.3 tW 67, with WZZM, channel 13, sending voiced audio reports to various radio stations via SCS
 WOOD-FM 105.7 no SCS (67 only for occasional telemetry)
 MI Greenville WODJ 107.3 tM 67
 MI Kalamazoo WQLR 106.5 tU 67 (no 92), identical to WJFM's 92
 MI Statewide via an 800 number—the Talking Newspaper delivers over the items the blind want to hear by pressing a keypad on a touchtone telephone. Some think this may replace FM-SCS for reading to the blind, but so far the service is only for newspapers, not for books. Books are one of the mainstays of reading services. The telephone technology has not affected reading services on such MI stations as WDET *101.9 Detroit and WKAR-FM *90.5 East Lansing. [Mi Houghton
 MO Joplin KSYN 92.5 tX 67, WGLL *91.1 tT, MO Kansas City KKF1 *90.1 tU 67, 1.67 kHz
 KLSI 93.3 tU 92 (no 67), "Mix 93" (from "Classy 93")
 KXTR 96.5 no SCS (had tU 67)
 KYYS 102.1 tC 67 (WDAF AM 610 audio)
 KBEQ 104.3 tZ 67
 MO Marshfield KTOZ-FM 104.9 (but still on 104.7) tU 67, "Country 105" (strict)
 MO Springfield KKHT 98.7 tD 57, no 67 or 92; "K-Hit"
 NE Aurora KMTY 97.3 no SCS (had tU 67)
 NE Central City KZEN 100.3 tP 92 (tZ 67)
 NE Grand Island KROA *95.7 tU 67 (from tX)
 NE Lincoln KMXA 106.3 tU 67 (not 92), "The Mix," still r
 NE Omaha KEZO-FM 92.3 tD 57, no 67 or 92
 KGBI *100.7 no SCS (had tX 67)
 NJ South Orange WSOU *89.5 tE 92 (Filipino music, "which my Filipino wife enjoys");

retains tT 67
 OK Durant KLAK 97.5 tU 67
 OK Pryor KMYZ-FM 104.5 no SCS (had tX 67)
 OK Tulsa KBEZ 92.9 no SCS (had tU 67), still b
 TN Nashville WSIX-FM 97.9 no SCS (tM 67 discontinued)
 TN Oak Ridge WOKI 100.3 tX 67
 TX Arlington KHVI 94.9 no SCS (had tM 67)
 TX Commerce KETR *88.9 tD 57
 TX Dallas KNON *89.3 tD 57, no tC 67
 KVTT *91.7 tR 92 (tM 67), ID with Fort Worth
 KZPS 92.5 tU 92 (no 67)
 KKWM-FM 97.9 tU '57
 WRR 101.1 tU 67, very robust-sounding
 WFAA-TV, channel 8, has NOAA (voice) weather on SAP, receivable on SCA-modified TV-audio radios. KERA, channel *13, has KERA-FM (90.1) on its SAP.
 TX Denton KOAI 106.1 no SCS (had tM 67)
 TX Diboll KAFX-FM 95.5 tX 67
 TX Fort Worth KLTU 94.1 tU 92
 KPLX 99.5 tC 67 (KLIF AM 1190 Dallas relaying), tZ 92
 TX Highland Park KVIL-FM 103.7 tU 67
 TX Jacksonville KOOI 106.1 tD 57; tP 67 (no 92 [had tU])
 TX Mount Pleasant KPXI 100.7 tU 67
 TX Paris KBUS 101.9 tU 67
 WA Bellingham KUGS *89.3 tX 67
 WV Public Broadcasting stations all retain their tT reading to the blind at 67 kHz, contrary to rumor it had been discontinued
 MUZAK sample sent on tape: "This hideous thumping noise isn't even music. No melody, no harmony, no familiar favorites, no jaunty waltzes, polkas, two-steps, sambas. How can people stand this stuff?" From a Muzak franchisee to the father of one of my associates: "I hear your son is up to his old tricks. Please do what you can to control his behavior."
 "Thank you for adapting my Sangean ATS-803A radio, and your fast return of my radio. I am quite pleased. Also thanks for those back issues of my FMedia! subscription."

NonIDs, Not Just Slogans

Mentioned on the air usually without call letters; "strict" if a station only uses call letters once per hour as required by the FCC (at or near the top of the hour)

AL Fayette WTXT 98.1 98-TXT, ID with Tuscaloosa [Combination
 AR Berryville KSSC 107.1 Country/
 AR Little Rock KHLT 94.1 K-Lite (back to)
 AR Osceola KMPZ 98.1 Z-98 (from "Power 98")
 AR Rogers KAMO-FM 94.3 K-Mo 94 FM
 CA Johannesburg KRAJ 103.9 The Heat
 CA Lancaster KGMX 106.3 K-Mix FM
 CA Prunedale KLVM *89.7 and Santa Rosa KLVK *91.9 both Love Radio, still gr
 CO Pueblo KGRQ 107.1 Q-107
 DC Washington WAMU *88.5 88 Plus
 FL Micanopy WLCL 97.7 Clear 97 FM
 GA Bainbridge WJAD 97.3 97-3 JAD (not "The Hot FM")
 GA Fort Valley WKXX 97.9 98-Kix, ID rotating among Byron, Perry
 GA Sparta WSKS 97.7 97.7 Kiss (from "Kiss 97")
 HI Honolulu KHFX 105.1 The Fox
 HI Kailua KRTR 96.3 96 FM (from "Crater FM") [Station (from "FM-101")
 HI Lahaina KLHI 101.1 Your Super-/
 IA Atlantic-Omaha (NE) KXKT 103.7 The Kat (sic, strict), ID with Council Bluffs
 IA Waterloo KFMW 107.9 no nonID, saying "108 KFMW"
 IA Waverly KWAY-FM 99.3 K-Way FM
 KS Haysville KXLK 105.3 no nonID, no "FM 105," still has tU, 67
 KY Corbin WKDP-FM 99.5 KD-Country
 KY Louisville WVEZ 106.9 Easy 107
 MS Aberdeen WWZQ-FM 105.3 ZQ-105
 MS Biloxi WQID 93.7 still 93.7 QID, although "The Q" at times

MS McComb WXLT 94.1 Sunny 94
MS University WUMS 92.1 U-92
NE Grand Island KSYZ 107.7 Sunny 108 (from "The Great 108")
NC Banner Elk WZJS 100.7 Z-100
NC Burlington WPCM 101.1 no nonID, saying "Country 101.1 WPCM"
NC Charlotte WBT-FM 107.9 Sunny FM, still r
NC Elizabeth City WMYK 93.7 K-94, but some injection also of "Power 94"
OK Ada KADA-FM 96.7 Magic 96.7 [nonID
OK Chickasha KXXK 105.5 no "KX-105"
OK Oklahoma City KLTE 101.9 K-Lite 102, o
OK Poteau KLMK 107.3 K-Country
PA Honesdale WDNH 95.3 Variety 95
SC Spartanburg WSPA-FM 98.9 Light and Easy 98.9 FM ["KQ 95"
SD Aberdeen KQAA 94.9 Cool 95 (from/
SD Huron KURO 92.1 U Rock 92
SD Rapid City KMKK 93.9 Magic 93.9
TN Etowah WDRZ 103.1 Superpower 103 (from "Z-103") [102.3 Q-102
TN Humboldt WZDQ/ [97 FM"], still b
TN Knoxville WEZK 97.5 97-FM (from "Easy/
TX Austin KHFI 98.1 K-98.1 (from "K-98")
TX Burkburnett KY Y 104.7 Y-104 (strict), \$, k,
ID with Wichita Falls-Lawton OK
TX Denison KDSQ 101.7 The Heat (from "Power 102")
TX San Antonio KZVE 107.5 Que Suave (Spanish, which sounds like "K Suave")
UT Salt Lake City KZXX-FM 93.3 Z-93
WV Romney WJJB 100.1 Jibb-100
WY Laramie KCGY 95.1 Y-95 (not "Y-106," as given in FM Atlas-12, p. 159)
ON Kingston CFMK 96.3 no "K-96" nonID. "They use their call letters very often. A variety for a Canadian station."

Multi-City IDs in Use

CA Greenfield KSUR-FM 99.5 with Monterey, c
FL Fort Myers WSRX *91.5 with Naples
GA Fort Valley WQBZ 106.3 with Warner Robins
GA Manchester WV FJ 93.3 with Columbus-Macon-Atlanta; now listed in Atlanta paper. Only AM among the top 10 in Atlanta ratings was WSB 750 (No. 6).
KS Osage City KZOC 92.9 with Emporia-Burlingame [ville, "Country 101"
MS Batesville WBLE 100.5 with States-/ NC Rocky Mount WSAV-FM 98.5 with Wilson
OK Grove KGVE 99.3 with Wyandotte-Bernice
TX Port Arthur KYKR 93.3 with Beaumont-Houston (but not Orange), now on a taller tower trying to rim-shot Houston, as does KHYS 98.5 Port Arthur. Now competing with KIKK-FM 95.7, "Kick 96" in the country format. "Forget Anniston AL and what about Port Arthur? This is their second FM to move!" But this is not a city of license change; just a transmitter move which enables 70 dBu city-grade service to Port Arthur to continue.

And Happenings Most Likely Caused by FM

CA El Cajon KECR AM (formerly KMJC) 910 now owned by Family Stations, Inc., simulcasts KECR-FM 93.3. "They need AM as well, in order to reach those few souls who are without FM receivers. Net result: San Diego loses an independent AM and gains a poor-fidelity duplicate of an existing service. Or, look at Sacramento. Never mind that FR's KEBR (AM) 1210 in Rocklin provides a clear signal over all of the Sacramento area. Never mind that KEAR *106.9 San Francisco can be heard in much of Sacramento. No, apparently FR has decided it needs a network of FM rebroadcasters there as well, a few years after it gave up its full-B *100.5 KEBR (now KQPT) Sacramento."
CA Thousand Palms KPSS 1010 fined \$10,000 for failure to comply with FCC tower lighting rules. Even though KPSS is off the air, the FCC said that a silent station is still required to comply with FCC rules.
GA North Atlanta WCNN AM 680 axed three top executives, making for a total of 18 employees let go recently. It and co-owned WALR 104.7 Athens-Atlanta GA ("Light Rock 104.7") "drew insignificant numbers in the ratings, but [said they] have no plans on

changing their formats." WALR, which probably has signal problems in Atlanta, was in 17th place, Arbitron. "I've always hoped that we'd get a better rating, but we're prepared to get by with what we have." WCNN has CNN Headline News, except for a 10-minute-per-hour local newscast.
IA KLSS AM 1010 Mason City donated by the Hedbergs to the U. of Northern IA and will relay KHKE *89.5 Cedar Falls, subject to FCC OK, having acquired KRIB 1490 (see July, p. 3).
KS Topeka WREN 1250 still off air; sharetime KFKU *1250 Lawrence KS has not expanded its hours to take over the WREN facility.
ME WTME 1530 Auburn, WKTQ 1450 South Paris and WOXO 92.7 Norway team up to carry the audio portion of the WGME "TV" news from 5:30 to 6:30 p.m., costing the stations nothing and able to sell some time periods that the TV station does not require them to air. The TV is looking for other radio stations to carry its newscasts. WKTQ and WOXO also carry WGME's 11 p.m. newscast. I recall when KHOL-FM 98.9 Holdrege NE (now KKPR Kearney) simulcasted its co-owned TV station, KHOL-13, for the news at 10 p.m. during the late '50s, when KHOL-FM was monophonic easy-listening.
ME Bath WJTO AM and WIGY 105.9 FM remain dark, was hoping for a buyer by June 16, after which it was to have applied to the FCC for another 90 days of being silent. Big sign in front of property: "No trespassing, posted private property... Violators will be prosecuted. Name: Maritime Broadcasting."
MN Litchfield KQIV 1410 silent.
MS Marion WJDO 1240 silent.
MO Kansas City WHB 710 still r (oldies), having been rock for 36 years, since the late Todd Storz made this the most popular station in the market in the 1950s. In the '70s, was eclipsed by KBEQ 104.3, "Super Q," and later "Q-104." Competition in the format now from ZZ99, Power 95 and the new X-106. "Power 95," KCMO-FM, now "Oldies 95," and possibly a more direct threat to WHB's continued existence.
NY Rochester—only AM stations locally programmed are 1180 WHAM, *1370 WXXI and 1460 WWMG, with all others simulcasting FMs.
NC Hickory WSPF 1000 silent.
OR Coos Bay KYNG 1420 silent (had been tal k); FM on 106.5 still on the air.
TN Brentwood (Nashville) WYOR 560 was silent, coming back on as "AC/country." It was sold at auction. [been business news
TN Dyersburg WDGS 1450 silent, had/
WI Appleton WRJQ 1570 silent.
Radio Shack discontinues its 12-1933, car AM



stereo-FM stereo radio—the only such model known to exist in that company's line. It was on sale at \$89.95 (formerly \$139.95).

FM Rulemakings Proposed

First date is deadline for filing comments at the FCC; second date is for replies. Stations affected, if any, are listed before the dates.

AL Columbia 102.1A, counterproposal
AR Paragould KDX Y 104.9 move to Lake City AR, C3, Aug. 24, Sept. 10
CA Calistoga 100.9A, counterproposal
CA Fair Oaks (Sacramento) KRWR 94.7 Carson City NV, B1 counterproposal—a major move in, like Anniston AL to near Atlanta GA, which would deprive Carson City of its service. [-FM counterproposal
CA Grass Valley 94.3B1 for A, KNCO-/
CA Jackson 99.7A for 94.3A, KNJT with Grass Valley

CA Linden 94.3A with Grass Valley
CA Windsor 104.1A with Calistoga
FL Oak Grove 104.5C2, Aug. 13, 28 [27
FL Watertown 102.1C3 for A, WQLC, Aug. 10, /
GA Fort Valley 97.9C3 for A, WKXK, Aug. 24, Sept. 10 [-FM, Aug. 13, 28
GA Griffin 97.5C3 from 97.7A, WKEU-/
GA Hogansville 105.5A from 97.5A, Aug. 13, 28
GA Sparta 97.7C3 from A, WSKS, Aug. 13, 28
GA Statesboro 102.9C3 for A, WUUF, Aug. 10, 27 [Aug. 13, 28
GA Tennesse 99.9A, / [2, 17
IA Harlan KNOD 105.3C3 from 105.5A, Aug. /
IA Albion or New Sharon 99.9C3, replies by Aug. 14 [counterproposal
KY Pikeville 93.1C2 for 92.1A, WDHR/
MI Oscoda 100.7C3 for 100.1A, WCLS, Aug. 20, Sept. 4
NV Sun Valley 94.5C2, with Fair Oaks CA
NY Saranac Lake 106.3C2, Aug. 24, Sept. 10
NC Nags Head 92.5C3 for 92.3A, WNHW, Aug. 20, Sept. 4 [FM, Aug. 20, Sept. 4
NC Rocky Mount 98.5C3 from A, WSAV-/
ND Bismarck 101.5C, counterproposal
OH New Washington 93.3A, Aug. 20, Sept. 4
OR Nyssa KGZH 98.7C1 from A, Aug. 6, 21
PA South Waverly (Scranton) 96.1A, Aug. 10, 27
VA Clinchco 92.1A from 93.1A, WDIC-FM, with Pikeville KY
WV Matewan 106.7C3 from A, WVKM counterproposal

FM Rulemakings Finalized

Dates are when FCC filing windows are open

AL Valley 98.1A, Aug. 21-Sept. 19
AZ Williams 96.7A, July 2-Aug. 6, replacing K DAN
AR Greenwood KZKZ 106.3C3 from A
CA Camarillo KZTR-FM 95.9B1 from A
CA Dunsuir 100.1A, Aug. 21-Sept. 19
FL Springfield WRBA 95.9C2 from A
FL Tallahassee WTMG 96.1C2 from 95.9A
ID Ketchum 104.7A, "first come/first serve"
IL Murphysboro WTAO 105.1B1 from 104.9A
KS El Dorado 99.1C1 from C2, KBUZ
KS Minneapolis 92.7A, until Aug. 30
MN Aitken KEZZ 94.3 C3 from A
MN Cambridge KXLV 105.3C3 from 105.5A
MN Waite Park KXSS-FM 103.7C3 from A
MO Ellington 103.9A, "first come/first serve"
MT Bozeman 99.9C1 until Aug. 27
NE Winnebago KSUX 105.7C2 from A
NC Atlantic 107.3A, Aug. 21-Sept. 19

31 FM Stations Subject to FCC Downgrading

The FCC has issued a list of stations that will be automatically downgraded on June 4, 1991, unless they file to improve their facilities to retain their present classification. Most are C2 stations with 25 kw or less and whose antenna height above average terrain provides a 60 dB contour of 39 km or less. They must file by June 3, 1991 to prevent an automatic downgrading. Here's the preliminary list of commercial stations which could face downgrading. For more information contact Bernard Gorden at the FCC, (202) 632-9660.

Frequency

Class	Station	Location	New Class
92.3 C2	KDDR-FM	Oakes ND	A
93.7 C2	WNBY-FM	Newberry MI	A
93.7 C2	KSPI-FM	Stillwater OK	C3
94.3 C2	WMUM	Marietta FL	A
95.1 C2	KTTI	Yuma AZ	A

95.7 C2 KPER Hobbs NM	C3
96.1 C2 KICX McCook NE	A
96.5 C2 KUHK Soddona AK	C3
96.5 C2 KLWD Sheridan WY	C3
97.3C KDMI Des Moines IA	C1
98.1 C1 KLEF Anchorage AK	C3
98.1 C2 KWLF Fairbanks AK	C3
98.1 C2 KRXX-FM Rexburg ID	C3
99.1 C2 KMTS Glenwood Springs CO	C3
99.1 C2 KAFR Angel Fire NM	C3
100.5 C2 KBFX Anchorage AK	C3
100.7 C2 KLVF Las Vegas NM	C3
100.7 C2 KJAS Jasper TX	C3
100.9 C2 KDYC Grants NM	A
101.1 C2 KJZ Kodiak AK	A
103.1 C2 (new?) Sitka AK	A
104.1 C2 KSDM International Falls MN	C3
104.1 C2 KTLI-FM Tillamook OR	C3
104.7 C2 *KUAC Fairbanks AK	C3
104.7 C2 *KCAW Sitka AK	A
105.1 C2 KTKU Juneau AK	A
105.1 C2 KZUL Lake Havasu City AZ	C3
105.9 C2 *KRBD Ketchikan AK	C3
105.9 C2 KUIN Vernal UT	A
106.5 C2 KYNG-FM Coos Bay OR	C3
106.7 C2 KGTW Ketchikan AK	A

NAB/Denon Sign Pact to Produce AM-FM Tuners

Denon America, Inc. will manufacture and sell a "high quality" FM-AM tuner, which will replace the model that bombed out at Radio '88 in Washington DC. It's a tuner that will be made to broadcast industry specifications, including NRSC circuits for better AM fidelity and reduced interference, FMX to "enhance FM stereo fringe-area reception," AM stereo, AM noise blanking to cut static and noise and expanded AM band capability to tune in the new 1605-1705 kHz range, have provision for external AM antenna and a 30-station preset memory that can intermix AM and FM stations at the listener's choice. It's to be manufactured by Denon's parent company, Nippon Columbia, and will carry Denon and NAB names and should be available in stores by early 1991 at a retail price of \$475. NAB members will be able to buy them at a discount.

"This tuner will be suitable as an in-home monitor for broadcast station personnel and consumers who want to feed their home hi-fi systems with the best quality audio signals from AM and FM broadcasts," said NAB Senior VP/ Science and Technology Michael Rau.

Broadcasters Continue to Defect From Easy Listening

Bonneville Broadcast System's Jim Opsitnik speaks out against the trend, saying "The belief many former Easy GMs have when changing to Soft AC is that the audience will stay with them because they have no choice. The reality is that many simply turn off the radio. There is a growing segment of disenfranchised listeners who now have no station, and others who perceive that music stations all sound alike. I see this as a danger for broadcasters. . . A well-programmed and marketed Easy Listening station continues

Hispanic Groups Target Texas FMs

to be a viable entity with the active, upscale 35-54 consumer. . . The properly programmed and promoted Easy Listening station is as viable today as it was 10 years ago." Stations known to have dropped the easy listening format in just the last month are: KME0-FM 96.9 Phoenix AZ, WJCL-FM 96.5 Savannah GA, WSWT 106.9 Peoria IL, KMBR 99.7 Kansas City MO, WFGP-FM 96.9 Atlantic City NJ, WHBC-FM 94.1 Canton OH, WWEZ 92.5 Cincinnati OH, KTSM-FM 99.9 El Paso TX, and possibly KESY-FM Omaha, although I am hard pressed to find much difference in their format compared to what it was. This is perhaps the month having the largest number of station defections from any one format in the history of FM—possibly surpassing the mass defections from "disco" in the late 1970s and early 1980s. Bonneville's own stations have all defected from easy listening, the most recent being KMBR Kansas City. Jim Opsitnik might start at home in persuading Bonneville itself to help preserve the beautiful music format.

Emerald Broadcasting Hit With More Opposition to Atlanta Move-In; Also Wants To Slide into Sacramento

Wanting to dump Carson City as a city of license (see above "Rulemakings Proposed"), Emerald Broadcasting has petitioned the FCC to move its KRWR 94.7 to a town 16 km outside Sacramento. This would deprive Carson City of service in a way similar to how Emerald would move WHMA-FM 100.5 from Anniston AL to near Atlanta GA. Jacor Broadcasting, licensee of Atlanta's WPCB 94.9, said Emerald's proposal "actually undermines the Commission's allotment goals by robbing the poor to serve the rich." Also opposing the move-in was Capital Cities/ABC which said, "This is an inappropriate use of the Commission's rules and would violate the policy of providing localized service for small communities." Emerald's Tom Gammon, however, responded by saying: "The Commission should have no problem recognizing the anticompetitive urges under the guise of the public interest."

Singer K. D. Lang Creates Furor in Cattle Country

A number of radio stations serving America's heartland have banned from their airlists songs by K. D. Lang, after she taped a TV spot in a "meat stinks" campaign for the Washington-based People for the Ethical Treatment of Animals. She's seen hugging a cow and says, "We all love animals, but why do we call some of them pets and some of them dinner? If you knew how meat was made, you'd probably lose your lunch. I know. I'm from cattle country—that's why I became a vegetarian." Stations killing K.D.'s songs

August, 1990

include KRVN Lexington NE and the LS group of stations in Kansas (KGLS 93.1 Pratt, et. al.). Because KRVN-AM-FM are owned by a group of farmers and ranchers, "we will not support someone who's working against their interests," Farm Director Rich Hawkins said. KRVN was said to be recruiting other stations to join in the boycott. A PETA spokesman called the ban "cowardly [and] like McCarthyism."

Other Small-Print Happenings and FM Industry News

If it can happen in Wolfboro NH, it can happen anywhere. Pop stars Madonna, Billy Joel, Stevie Wonder and Carl Simon are among a group seeking up to \$1.5 million for alleged copyright violations from WLKZ 104.9 in Wolfboro. Behind the action is the music licensing group American Society of Composers, Authors and Publishers. Another suit asks for \$80,000 on behalf of The Doors, Don Henley and other songwriters from Pelham Hardware and Supply, charging unlicensed playing of copyrighted songs for the public. WLKZ stopped paying its monthly ASCAP fees in 1988, after which its music license was revoked. Rather than turning to Steven Foster and other music in the public domain, the station has kept playing songs without permission, the suit contends.

The FCC's San Diego office shut down unlicensed station "KRAZY" 104.9 in Moreno Valley CA. Mike Donovan was fined \$1000 for the unlicensed operation. The FCC has ordered WCKT 107.1 Lehigh Acres FL and its AM to pay \$15,000 for repeated EEO violations. Also hit with a big fine: WOKD 98.3 Arcadia FL, \$18,000 for failure to comply with its EEO rules. Other FL stations dealt harshly by the FCC: WPFM 107.9 Panama City fined \$15000, WTRF-FM 102.3 Dunneleon and AM \$18,000, WMMK 92.1 Destin \$15000, WGUL 105.5 and AM New Port Richey \$15,000, WLVU-FM 106.3 Holiday \$18,000. In NC, WZYC Newport 103.3 was fined \$5000, while WKRR 92.3 Asheboro got a short-term renewal to Aug. 1, 1992, and a \$10,000 fine. The fines were all because of "repeated failures to comply with the FCC's EEO provisions."

The FCC denied Tri-State's request for reconsideration of the denial of license renewal for KUPD 97.9 Tempe AZ and its AM.

A U. S. District Court jury in Chicago has awarded three former WXEZ-FM 100.3 announcers over \$100,000 each in damages and back pay after they were let go when the station wanted a "more youthful image." Those fired ranged in age from 57 to 61.

The FCC voted to continue its 24-hour ban on "indecent" radio programs, keeping close scrutiny on the likes of Howard Stern at WXRK 92.3 New York and Bob and Tom at WFBQ 94.7 Indianapolis. Some media groups and the NAB had challenged the FCC. There's no indication the FCC ban will be challenged in court.

The M Street Journal reports the number of AM stations fully simulcasting their FMs at an all-time high of 625 stations. "This represents 21% of all AMs that have an FM sister station, or more than one of five stations; and 12%—one out of eight—of all AM stations. The total does not include AMs simulcasting only part of the day."

Challenging the license renewals of two Dallas stations are the League of United Latin American Citizens and the National Hispanic Media Coalition. They're after KLUV 98.7 and WRR 101.1. Five other stations are yet to be announced as targets in El Paso and Houston.

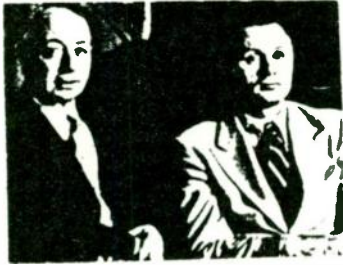
From the classifieds: Wants to buy TFT 763 mono FM mod monitor, working or repairable. N. Herbolt, KBEN, PO Box 335, Carrizo Springs TX 78834.

Wants to buy ARRL Radio Amateur Handbook, 1948 edition (will consider 1947 or 1949), N. Allebaugh, WICE, 100 John St., Cumberland RI 02864.

H. H. Scott Stereomaster 387 AM-FM receiver for sale, 100 watt/channel, \$90, C. Brennan, 661 Horseshoe Curve, Pike Road AL 36064; (205) 272-0692.

FM As It Was—Or Might Have Been

A piece in the local paper, "In Days Gone By," had my interest: "Radio station WEBC-FM [92.3 mhz, Duluth MN] discontinued operations at the Head of the Lakes Saturday 'due to decreasing revenue.'" That was from the newspaper of May 16, 1950. I recall WEBC-FM as the first FM station received on a radio I bought with paper-route earnings in 1948. A few years ago I co-authored (along with John Ebeling) a three-part history on WEBC-FM which was published in *Radio World* newspaper. The daughter of the former general manager of WEBC, Mary Bridges Smith, kindly supplied some historical material on WEBC, part of which is published here. Her father, Walter C. Bridges, was a long-time general manager of WEBC and its FM ventures dating



Walter C. Bridges, right. Man to the left is believed to be David Sarnoff, longtime head of RCA

from the late 1930s to 1950. The station was listed as W9XYH on 43.0 mc in 1940, on 44.5 in 1941, as WDUL in 1944, and on 92.3 by 1946, with calls changed to WEBC-FM and location from Superior WI to Duluth MN by 1948.

A letter from the National Broadcasting Company, RCA Building, New York 20, N. Y., dated June 16, 1948 to Mr. Bridges from Sheldon B. Hickox, Jr., manager, Station Relations Department reads:

Dear Walter:

...I was interested to note that you feel you are receiving considerable listening to your FM in Duluth. I am wondering if you have any exact figures as to how many sets or people there are in your territory who are listening to FM at the expense of AM. When Mr. Westmoreland was here recently, he told me of your venture with the buses and I am wondering, from what he told me, if the way you plan to operate isn't contrary to our present policy with regard to complete duplication of NBC commercial programs within the hours of the operation of your FM transmitter. I get the impression, from what Wes told me, that during the early morning period and the lunch hour you might program your FM just for the riders in the buses which

would not include NBC shows but that these would be included on the late afternoon period. At the time I was discussing this with Wes, this angle of it didn't enter my head but on thinking about it after he left, it raised this question. If you would be good enough to explain this a little further to me, I would be most appreciative. Kindest regards. Sincerely, Shel don."

I recall WEBC-FM 92.3 with bus radio each day from 7 a.m. to 7 p.m., after which NBC programs could be heard, simulcast with AM. After transit radio ended, WEBC-FM limped along for about a year, signing on about 7:55 a.m. weekdays for a brief weather round-up that was picked up by stations in Rice Lake and Eau Claire WI, Duluth and Hibbing MN. WEBC-FM signed off at 8 a.m., returning at 3 p.m. for "seven and one-half hours of continuous broadcasting." Transit radio consisted of easy-listening music and commercials for stores and products bus-riders might be interested in buying once they got downtown. It also included short (about one minute each) newscasts. Duluth was one of only a handful of markets nationwide to have bus radio.

An even earlier item is an Oct. 15, 1943 letter to Mr. Bridges from Australia requesting information on the system used: "Re your 'F. M.' station, having seen some remarks made regarding this type of modulation in the past, and noted that your station was using 'frequency modulation'. Having been on active service for four years and have had only limited opportunities to obtain data concerning same," wrote one H. J. Scarlett, c/o Officers Club at a Naval Depot in Victoria. He went on to ask about the type of aerial, power, listeners' reaction, "sales angle and any data that would be of use to me in the post war years would be greatly appreciated as I am a commercial broadcast engineer in civilian life. The programs made in U.S.A. with 'F. M.' is only available to us here through the technical publications so I would gladly appreciate your views on the subject because very few of these magazines reach us these days."

An undated AP-type item, probably from 1946, marked "Attention Editors" is datelined Duluth MN: "The Arrowhead F-M network—believed to be the first frequency modulation radio network in the Midwest—will begin operation November 1st. W. C. Bridges, general manager, says the new F-M network will start operations with a basic group of three stations. The key outlet will be the 65-thousand-watt W-D-U-L at Duluth, Minnesota. Affiliated members will be W-J-M-C at Rice Lake, Wisconsin, and W-E-A-U in Eau Claire, Wisconsin. Bridges, a pioneer Midwest radio executive, says the network will be expanded next summer to Wausau, Wisconsin, and possibly to Madison. It will be fed a minimum F-M schedule of six hours daily." The network never was expanded to Wausau or Madison, although WEBC principals were involved in WISC-FM 98.1 Madison and later WISC-TV, channel 3.

Another early broadcast pioneer is Loren F. Bridges, engineer who put KTIS-AM-FM Minneapolis MN on the air. From the same group picture, "My uncle Loren F. Bridges is standing second from the right," writes Mrs. Smith.



Loren Bridges Somebody sent a December, 1949, list of U.S. Radio Stations by frequency. The list is not accurate, as it omitted WEBC-FM 92.3, but it does have powers. Thus, WTMJ-FM 93.3 Milwaukee had 349,000 watts, and in that year I heard it in Duluth and Hancock MI using just a Zenith table radio with a built-in antenna. Other superpowered stations listed were WGST-FM 94.1 Atlanta GA with 345,000 watts, WMCF 99.7 Memphis TN with 260,000 watts, KMPC-FM 100.3 Los Angeles with 460,000 watts, KSBP 100.5 San Bruno CA with 250,000 watts, WIBA-FM 101.5 Madison WI with 225,000 watts (but which probably never exceeded 45,000 watts), WBRC-FM 102.5 Birmingham AL with 546,000 watts, and WHKY-FM 102.9 Hickory NC with 210,000 watts. Probably some of the stations, notably WBRC-FM, never achieved the powers listed. Missing from the list were WJEF-FM 93.7 and WOOD-FM 105.7 Grand Rapids MI, while WMIT 106.9 Charlotte was under-listed at only 10,000 watts. WMIT then, as now, transmitted from Mount Mitchell, once having almost ten times the power it now has—325,000 watts.

As I dig farther into the archives, a 1942 *Stevenson's Radio Bulletin* is resurrected. It lists FM stations at the end of the shortwave section. Among the seven listed are WNYE 41100 kc Brooklyn NY (which is now on 91.5 and which has just embraced stereo!), WBKY 41900 Beattyville KY, W9XAZ 42260 Milwaukee WI, VE9CM 42260 Montreal PQ and W9XEN 42800 Chicago IL. *White's Radio Log*, Fall, 1944, shows WDUL Superior WI on 44100 kc. The old Zenith station, WEFM, is known by previous call letters—WVZR. Chicago stations making the listing were: WBEZ 42.5 (now 91.5), WGNB 45.9 (later 98.7), WBBM-FM 46.7 (later 96.3), WDLM 47.5, WEHS 48.3 (later 97.9), WWZR 45.1 (later 99.5). WGTR Boston was on 44.3 mc. W9XER was an experimental FM station in Kansas City operated by Midland Broadcasting Co. on 46,500 kc with 1500 watts.

A Spring, 1947, list had W2XMN Alpine NJ on 44.1 and W2XEA Alpine on 92.1, while WMNE was on 43.9 and 98.1. Its studio was listed as Boston and transmitter Mount Washington NH. "Nearly all FM stations are employing interim equipment pending completion of full construction, and in some instances operation may be interrupted due to equipment changes and construction. Nearly fifty of the stations listed were licensed before the war, and some of these stations are continuing to operate equipment in the old FM band on a temporary basis.

... An FM program service is also being furnished by a developmental broadcast station in Cleveland, Ohio."

By Spring, 1948, the calls for 92.3 in Superior WI were listed as WEBC-FM, and WEFM Chicago was listed as operating on both 45.1 and 99.5 mc. WGNB also was on two frequencies—45.9 and 98.7. The only other stations listed as being also on the old band were: WOWO-FM Fort Wayne IN 44.9 and 96.1, WABW Indianapolis 47.3 and 94.7, WMNE Boston 45.1 and 100.5, WGTR Boston 44.3 and 99.1, WBZ-FM Boston 46.7 and 100.7, WBZA-FM Springfield MA 48.1 and 97.1, WWJ-FM Detroit 44.5 and 97.1, WNBW-FM Binghamton NY 44.9 and 100.5, WQXR-FM New York 45.9 and 96.3, WABF New York 47.5 and 99.5, WHFM Rochester 45.1 and 98.9, WBCA Schenectady 44.7 and 101.1,

WELD Columbus OH 44.5 and 97.1, KDKA-FM Pittsburgh 47.5 and 92.9.

Another old list is from April, 1963, "Educational AM and FM Radio and Educational Television Stations by State and City," compiled by Gertrude G. Broderick, educational media specialist, U. S. Dept. of Health, Education and Welfare. That list shows KUMD *89.1 Duluth with 250 watts and headed by Robert Pierce, faculty advisor. Al Fredette was manager of WAMC *90.3 Albany NY, Ruane B. Hill was head of WAER *88.3 Syracuse NY, James G. Saunders was head of KSDB *88.1 Manhattan KS—a 10-watt station, Carl Menzer headed KSUI *91.7 with 17.5 kw, at the University of Iowa; Donald Forsling was at WOI-FM *90.1 Ames IA. Donald M. Williams headed WAMU *88.5 Washington; I did my master's work while he was at the University of Iowa for one year; he later died of a heart attack. Frank Norwood is gone, too. He headed KEBS *89.5 San Diego, and later was chairman of the Joint Commission on Educational Telecommunications in Washington DC, and was a long-time subscriber to the *FM Atlas*.

FM FORUM

CONTRIBUTIONS FROM READERS

James J. Nahirniak says WJOI 97.1 Detroit is still easy listening, mostly instrumental, while I just got a call from another MI reporter claiming that WJOI is hurting, with the baby boomers not tuning in—even those thought too old to still be interested in rock. So many stations have given up the b format that Nahirniak would like to see a column in *FMEDIA!* called "FMorgue" or "FM-RIP," but "you may not want to call attention to it and encourage a broadcaster/reader to drop the format on his station. I am not a very big fan of 'elevator music'—remakes of pop tunes with arrangements designed not to call attention to itself—meant as background only. Canadian stations are often so very different: mixing in show tunes and classical pieces. They are stations you want to listen to, not leave in the background. U. S. easy listening stations are 'lame', as are more and more stations in all formats. A better description would be 'overly researched and safe'. The result: people are listening less, especially in the 25-54 age group advertisers want most. Print the deadline for your next *FM Atlas*. I'll write you of any changes that might take place after the spring Arbitrons come out." [You asked for it—the deadline for the 13th ed. *FM Atlas* is Aug. 21—the first time I ever published a deadline. Try not to inundate me with data, but only send material in a way that parallels the *FM Atlas* itself and only include new data—no summaries of everything heard across the dial. Note especially stations broadcasting or not broadcasting in stereo. No phone calls; postcards preferred.]

The 13th edition, which should be available before the end of the year, will feature a new cover design and updated information through next month's *FMEDIA!* If yours is falling apart like the copy I have been using, you'll know it's time to get a new book. I plan to use a different printer next time, probably McNaughton & Gunn of Ann Arbor or Patterson Printing of Benton Harbor—both of whom have done exceptionally well for us.

Chip Kelley said that KSTV-FM 105.7 Stevesville TX has petitioned to move to Benbrook (suburban Fort Worth), and KBUK 104.9 La Grange to Rollingwood (suburban Austin). "Of course, you don't have to change cities, in some cases you can move your tower," as KYKR 93.3 and KHYS 98.5 Port Arthur-Houston and as KBTS 93.3 Killeen-Austin have done. "I don't object to stations serving larger markets. I do object to stations like KBTS who totally ignore the old market (Killeen/Temple). I think it would give listeners more choices if

some markets shared. New Orleans and Baton Rouge share classic rock WCWK 92.3 and oldies KHOM 104.1. Some places are close enough that that can occur: San Antonio/Austin and Wichita Falls TX/Lawton OK. Another possible move: KJNE 102.5 Hillsboro could easily serve Dallas/Fort Worth by simply relocating their tower to north of Hillsboro. KJNE currently chooses to serve Waco to the south. Virtually all D/FW stations have their towers in Cedar Hill, which is 80-90 km from Hillsboro. Actually, Hillsboro is closer to D/FW than Gainesville is, and KDGE 94.5 Gainesville serves Dallas-Fort Worth."

"I am disgusted by the idea of the translator service becoming a vehicle for big stations to repeat their programming several times across the local dial," muses Scott Fybush. "Even if it is an attempt to hold the frequencies open for the eventual coming of low-power FM, I think it sends the wrong message. There is, very simply, no reason for any station to appear more than once on a local dial. That ought to apply to both AM and FM. . . Where translators do belong. . . is in the areas still lacking primary service. Take, for example, Bishop CA. Bishop is served by one k-formatted Class B FM, 100.7 KIBS, one m-formatted Class IV AM, 1230 KBOV, one public radio translator, *91.1 K216BM, and a couple of translators providing religious and commercial signals from Carson City NV and Mammoth Lakes CA. Yet Bishop is part of the Los Angeles market. The local cable company brings in TV signals from Los Angeles and the local daily paper is the *LA Times*. If someone wanted to start a couple of commercial translators in Bishop, providing signals from L.A. that do not duplicate those already available locally, those translators would be providing a useful service to the market. Likewise, there are certain underrepresented formats in some markets. Rochester NY, for example, is lacking its own commercial classical station. . . What Family Radio, La Tour and all the other translator abusers seem to have forgotten is this: there's only so much FM spectrum out there. Last night, I stayed up listening to a few Canadian stations that I hear infrequently, including 106.1 CKLA Guelph ON (the only b-format FM that is ever heard here), 105.7 CHRE St. Catharines ON and 106.1 CHEZ Ottawa. That may be the last time I'll ever hear those stations. Why? Well, Rochester is about to be bombarded with new FMs. Never mind that we already have locally-programmed FMs with AOR, CHR, country, soft rock (2), oldies and urban formats; in the next couple of years we'll also have: 93.3 Avon NY (forcing WIRQ *93.3 Rochester to seek 94.3), which will affect reception of 93.1 WNTQ Syracuse and 93.5 CBCP Peterborough; 99.7 Palmyra NY, which will kill reception of *99.5 WDCX Buffalo and 99.9 CKFM Toronto, and 99.9 WNYP Cortland; 105.9 Rochester, which will kill reception of the aforementioned CKLA, CHEZ and CHRE; 106.7 Irondequoit, which will fuzzle out 106.5 WYRK Buffalo and will itself be fuzzed out by 106.9 WPCX Auburn; and 107.3 Honeoye Falls NY, which will kill reception of 107.1 CILQ Toronto and 107.5 CBCK Kingston. And I've saved the worst for last: 102.7 in Webster has the 105,000-watt WMJQ Buffalo (which puts a city-grade signal over much of Rochester) on a first-adjacent. WMJQ will probably overpower the new 102.7 anywhere west of the Genesee River. The other first-adjacent is *102.9 WMHR Syracuse, which supplies over the air *89.3 WMHN and *106.3 W292AH right in Webster! When and if 102.7 comes on the air, WMHN might need a microwave or telephone link to continue providing Mars Hill Network programming.

"So by 1993, the number of commercial FMs in or serving Rochester could double! Is there any way the market can support all of these? Of course not; it can't even support what AMs are left in the market. . . I don't believe

that LPFM will ever be the solution that it's promised to be. Look at the precedent: LPTV was supposed to give 'the people' a chance to own TV stations. But here in Rochester, our three LPTVs are, respectively, satellite-delivered music videos, satellite-delivered ancient mo' and sitcoms and a 24-hour test pattern. . . believe the test pattern, at least, originates locally; there is no local origination at all on the other two channels." [I have to disagree with Scott at least on the last point. The other day I met a cousin of my wife Carol who, along with her husband, are running low power W08CJ in Glens Falls NY. The station is a strong 20-watts in town and is being picked up by three area cable systems. It thrives on local news and carries via satellite Channel America, employing 14 fulltime and five parttimers, plus interns from nearby Adirondack Community College. Expenses of the station come to \$40,000 per month, high by low power standards, but low in comparison to a conventional station. It's still not profitable, but going in that direction. Founder and station manager is Jim Grich. He's

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branching out into consulting. If there's anything to be learned about LPTV (and, by analogy, low power FM) Grich is probably the person to advise—b.e.]

Back to Fybush: "I have an apology to offer to Family Life Radio. I had feared that their *88.5 WCII Spencer NY would overlap heavily with *90.3 WCII Elmira NY. In fact, a trip through the area shows that WCII's signal is very poor. I had suspected WCII to be an attempt to sneak into Binghamton; in fact, WCII is barely audible there. No loss, as Binghamton is well-served with religious programming from *96.5 WPEL-FM Montrose PA. WCII does provide the sole religious service to the Ithaca area. So I guess Family Life, whose signal is now heard from Dansville in the north to Pennsylvania in the south, and from Olean in the west to Owego in the east, is not an abusive broadcaster. . . Their four stations, WCII, WCII, *103.1 WCII Bath and *89.1 WCII Friendship are, in fact, very well engineered and have almost no overlap. But I'd still like to see better coverage for public radio in the area; a 25 or 50 kw signal out of Elmira would improve matters greatly. Maybe WSKG will get around to it eventually. Family Life, meanwhile, would be well-advised to seek a CP in Jamestown or the vicinity, as that area is still underserved by religious radio, with just a weak signal from 99.5 WDCX Buffalo NY. . . Until FMA-13 comes out, I depend on my stack of back issues [of *FMEDIA!*] to keep me up to date."

From the far north, Rod O'Connor brings news from the Pribilofs, where he's been monitoring the pseudo-stereo emanations of KUIB *91.9 St. Paul Island AK. He asked if I've heard any more on Family Radio's "sneak-in" translators? All I know about them is talking to a man at the FCC who said many of those applications have been dismissed—but it's legal to license a translator to a "ghost town." They only have to show that one listener in the area would receive service. My FCC source was not sure of exactly which FR translators had been dismissed.

Karl Zuk mentions the 1990 Monitoring Times/IRCA Convention, Oct. 5-7 in Knoxville TN. Attending will be some broadcaster/publishers. Write Monitoring Times, PO Box # Brastown NC 28902 for more information.

Until next month, *Bruce F. Young*

This issue has a deadline coordinated with FM Atlas-13

New FM Station, Translator Grants

- AL Florence 96.1 3000 h,v; 100 m, Benny Carle
 AL Tuscaloosa K205AC *88.9 (WMBV 91.9
 Dixons Mills translator) [Petersburg]
 AK Point Baker K216AA *91.1 (KFSK 100.9/
 AK Port Protection (exact location unknown)
 K201AL *88.1 (KFSK) [T. Community R.
 AK Talkeetna KTNA *88.5 1900 h,v; 22 m./
 AZ Sierra Vista 101.7 3000 h,v; 100 m, Ana L.
 Zummano [cj, State of Oregon
 CA Burney *89.7 2300 h,v; 440 m, to be \$/
 CA Lake Isabella 104.5 200 h,v; 384 m, KVLI,
 Inc. [E. E. Abramson
 CA Orland 106.5 3000 h,v; 100 m/
 CA Shafter 104.3 3000 h,v; 97 m, Pioneer Bcstg.
 CA South Oroville 104.9 3000 h,v; 100 m, Linda
 Adams
 CA Thousand Oaks KCLU *88.3 4600 h,v; 73 m,
 d-a (directional antenna), CA Lutheran Uni-
 versity [92.1 Frisco)
 CO Breckenridge K224BU 92.7 (KYSL/
 CO Durango K213AD *90.5 (KNMI 88.9 Far-
 mington NM)
 CO Mount Crested Butte K202AC *88.3 (KBUT
 90.3 Crested Butte), shown on old map as
 "Gothic" CO [M. Paris
 FL Graceville 102.1 3000 h,v; 100 m, Lina/
 GA Ellijay W202AA *88.3 (WCCV 91.7 Carters-
 ville) [91.1 Spokane WA)
 ID Bonners Ferry K220AE *91.9 (KPBX/
 IL Carlinville 95.9 3000 h,v; 100 m, C. Bcstg.
 IL Danville WZMF 94.9 6000 h,v; 100 m,
 Kathleen D. Rollings
 IL Decatur 93.1 3000 h,v; 100 m, Howard G. Bill
 IL Peoria 92.3 3000 h,v; 100 m, B&G Ltd.
 IN Bremen 96.9 3000 h,v; 100 m, WMRI, Inc.
 IN Ellettsville (Bloomington) 105.1 3000 h,v;
 100 m, Katieco, Inc. [m, N. Bcstg.
 IN Newburgh (Evansville) 106.1 3000 h,v; 100/
 IN South Bend 106.3 3000 h,v; 60 m, Goodrich
 Bcstg. [lyn Hagedorn
 IN Tell City 96.9 6000 h,v; 100 m, Caro/
 LA Arcadia 92.5 3000 h,v; 100 m, Reid Bcstg.
 LA Haughton (Shreveport) 103.7 3000 h,v; 100
 m, Cary D. Camp
 LA Vivian 95.7 3000 h,v; 87 m, N. Caddo Bcstg.
 MI Benton Harbor *94.9 2200 h,v; 116 m, Lake
 MI College [Cascades Broadcasting
 MI Brooklyn 105.3 3000 h,v; 100 m/
 MN Nisswa 93.3 100000 h,v; 320 m, Bellfonte
 MN Tracy KARL 105.1 3000 h,v; 100 m, \$, rm,
 Karon Lundeen, on air, did not delete, "Light
 music, less talk..." [R. Scott
 MS Belzoni WJSJ 92.9 3000 h,v; 91 m, Larry/
 MO Ash Grove (Springfield) 104.1 3000 h,v; 100
 m, A. G., Inc. [er Bcstg. Co.
 MO East Prairie 105.3 3000 h,v; 63 m, Ush-/
 NE Plattsmouth 106.5 3000 h,v; 100 m, Platte
 Communications [895 m, H. FM
 NV Hawthorne 93.5 32 watts h,v; [Burlington
 NH Lebanon 100.5 600 h,v; 210 m, Radio S./
- NH Winchester 98.7 1230 h,v; 148 m, Radio
 Keene, Inc. [89.3 Webster)
 NY Dansville W201AL *88.1 (WMHN/
 NY Homer 101.5 1600 h,v; 134 m, John Eves
 NY Rochester 105.9 3000 h,v; 100 m, Eison &
 Associates [h,v; 100 m, J. E. Carson
 NC Hope Mills (Fayetteville) 103.5 3000/
 NC Old Fort 104.3 2600 hv.; 106 m, McDowell
 NC Rose Hill 104.7 3000 h,v; 78 m, Duplin
 County Bcstrs. [m, Ohio Northern U.
 OH Ada *94.9 3000 h,v; 100/ [Bcstg.
 OH McArthur 98.7 3000h,v; 100m, Hometown/
 OH Upper Sandusky *90.1 3000 vertical only;
 100 m, g, Kayser Bcst. Ministries
 OK Alva KHQ *89.7 6000 h,v; 159 m,
 Northwestern OK State U.
 OK Elk City K202AG *88.3 (KPDR 90.5
 Wheeler TX) [Patrick
 OK Lawton 107.3 50000 h,v; 150m, Arthur/
 OR Roseburg K203BE *88.5 (KLCC 89.7
 Eugene; was originally on 91.7)
 PA Boalsburg 92.9 260 h,v; 339 m, Claravista,
 Inc. [91.3 Winchester VA)
 PA Harrisburg W211AA *90.1 (WTRM/
 PA Jackson Township (in the Poconos) WRTY
 *91.1 3500 h,v; 234 m, d-a, Temple Univer-
 sity, to be \$, j
 PA Meyersdale 93.3 3000 h,v; 16 m, Roger Wahl
 PA Millersburg W215AA *90.9 (WTRM 91.3
 Winchester VA) [100 m, Lovcom, Inc.
 SD Belle Fourche KBFS-FM 95.9 3000 h,v;/
 TN Donelson WAMB- 106.7 75 h,v (no height
 announced), a temporary station to help
 resolve i nterference WAMB has been getting
 on 1160 kHz AM from a high powered Cuban
 station. The FM is calculated to have the same
 coverage as WAMB's 1-kw AM nighttime
 interference-free signal. The allocation could
 become permanent, as there is an FCC
 proposal to add 106.7A to Donelson.
 TN Henderson 107.7 3000 h,v; 100 m, Wanda
 Smith [Phase One Communications
 TN Manchester 101.5 3000 h,v; 100 m,/
 TN Seymour 96.3 1200 h,v; 145 m, Seymour
 Communications
 TX Borger K201AY *88.1 (KPDR 90.5 Wheeler)
 TX Claude 95.7 6000 h,v; 100 m, Lucille Lacy
 TX Elgin 92.5 3000 h,v; 100 m, to be Spanish, rs,
 target date this month; to ID with Austin
 TX Gregory (Corpus Christi) 104.5 3000 h,v; 91
 m, Stuar; Gaines Bcstg.
 TX Snyder K215AM *90.9 (KGNZ 88.1 Abilene)
 UT Moab KZMU *89.7 100 h,v; -177 m, Moab
 Public Radio [M. Scott Copeland
 VA Vinton (Roanoke) 106.1 3000 h,v; 47 m/
 WA Camas (Portland OR) 94.7 3000 h,v; 68 m,
 KMAS Bcstg. They want the KMAS calls, and
 are negotiating with 1030 Shelton WA for the
 use of same.
 WA Dishman (Spokane) 106.5 3000 h,v; 100 m,
 Great Scott Bcstg. Corp. [Malcolm
 WA Goldendale 102.3 3000 h,v; 36 m, Colin/
 WV Clarksburg *90.1 1500 h,v; 245 m, g,
 Maranatha [Anderson-Broadus College
 WV Philippi WQAB *91.3 7200 h,v; 55 m,/
- WV Point Pleasant 99.5 3000 h,v; 99 m,
 Tri-County Radio [World Media, Inc.
 WV White Sulphur Springs 93.3 280 h,v; 327 m,/
 WI Elk Mound 92.9 3000 h,v; 100 m, Emalee C.
 Payne [100 m, Su Jacobs-Clausen
 WI Spooner 106.3 3000 h,v; [Trunkel
 WI Tomah WTRL 96.1 3000 h,v; 100 m, Tony/
 BC Vancouver 94.5 (originally announced as no
 frequency, then as 95.3, later 94.5) 34000
 h,v; \$, s, South Fraser Broadcasting, CISL,
 "Sea Isle," 650 Richmond BC. "A welcome
 change from Vancouver's boring selection of
 local FMs. Format has a relatively good
 chance of succeeding in Vancouver, which
 has a decent-sized black population, including
 numerous immigrants from the Caribbean."
 ON Brockville CBBA *104.9 3000 h,v; 86 m, \$,
 c, did not delete, "but it could take five years
 to build it. Like CJBC-FM 90.3 Toronto, the
 funds are not there at the CBC to build it." A
 new station on 92.5 for Toronto was
 tentatively approved for Rawlco with 4700
 h,v; k format, but this is expected to go back
 to hearing.
 ON Ottawa Travelers Information Stations, all
 going by the call CFDT-. On Hwy. 417 E.
 96.5 English, 99.9 French; on Hwy. 417 W.
 96.5 English and 99.9 French, each with six
 watts.
 PQ Montreal CISM *89.3 10000 h,v; Universite
 de Montreal, expected on air Jan. '91
 PQ Trois Rivieres CHEY 94.7 25000 h,v, \$,
 "Shay FM." Received as if it were 100000
 watts, although they were asked to reduce it
 to approximately 25,000. Music format not
 reported.

Call Letters Assigned

- AL Winfield 105.9 WKXM "FM" (WXZX-FM), k
 AZ Winslow 95.1 KEEL
 AR Ashdown 103.9 KTFS-FM (KMLA-FM), b;
 AM is in Texarkana TX
 AR Mena 96.3 KOUA
 AR Osceola-Memphis TN 98.1 KPYP (KMPZ),
 o, "The Pyramid." For four days over Labor
 Day played many versions of Louie, Louie
 over and over, after which they changed.
 CA Berkeley 102.9 KBLX-FM (KBLX)
 CA Colusa 103.1 KKCY (KKLU)
 CA Marysville 99.9 KRFD "FM" (KRFD-FM;
 AM gets new calls) ["Double 99 FM"
 CA San Francisco 98.9 KDBK (KOFY-FM), rm,/
 CA Santa Barbara 93.7 KDB "FM" (KDB-FM;
 AM gets new calls)
 CA Santa Cruz 99.1 KDBQ (KLRS), rm,
 "Double 99 FM"
 CA Walnut Creek 92.1 KKIS-FM (KKIS)
 CO Cortez *91.5 KJSD
 CT Hartford 93.7 WZMX (WLVH-FM), r, oldies

TN Rogersville WJDT 106.5 300 h.v; 420 m
 TX Amarillo KATP 101.9 285 m (100000 h.v),
 C1 [97.9 50000 h.v; 150 m
 TX Beeville KYTX/ [v, 2400 h (104 m)
 TX College Station KAMU-FM *90.9 32000/
 TX Crockett KIVY-FM 92.7 150 m (50000 h.v)
 TX Lubbock KAMY *90.1 200 h.v; 150 m
 UT Parowan K205BS *88.9 (from K249BW
 97.7) [(100 m)
 VA Bridgewater WRDJ-FM 105.1 2000 h.v/
 VA Richmond WRXL 102.1 18900 h.v; 241 m
 VA Staunton WSGM 93.1 (having moved from
 93.5) [m, adds vertical
 VA Warsaw WNNT-FM 100.9 3000 h.v; 99/
 VA West Point WPTG 107.9 6000 h.v; 100 m, d-a
 WA Everett KSER *90.7 1000 h, 960 v, 178 m,
 d-a, expected on by December
 WA Spokane K269ED *101.7 (from K285DZ
 104.9) [h.v; 222 m B1
 WV Elkins WELK 94.7 (from 95.3) 5200/
 WI Eagle River WRJO 94.5 (from 94.3) 50000
 h.v; 150 m [m, C3
 WI Green Bay WGBW *91.5 1600 h.v; 100/
 WI Sauk City WMLI 96.3 5100 h.v; 205 m
 WI Sturgeon Bay WQZZ 99.7 50000 h.v; 150 m
 VI Christiandstad WVIQ 99.5 10500 h.v; 329 m;
 CP for 25 kw cancelled
 VI Cruz Bay WDCM 92.3 50000 h.v; 50 m,
 transmitter Coral Harbor, St. John Island
 MB Winnipeg CBW-FM *98.3 223 m (160000
 h.v)
 ON Mississauga CFMX-1 96.3 has DOC permis-
 sion to go up to 100000 h.v, d-a, but still
 waiting for CRTG approval. This power
 increase "won't resolve all the receptor
 problems, but will obviously be a big help."
 Now claims 234,000 listeners, counting the
 Cobourg (103.1) transmitter.
 "I gathered from the Aug. issue of FMedia! that
 a revision of the FM Atlas cover is planned. I
 personally have liked the design since the first
 FM Atlas and would hope it would remain.
 Don't change it please!"
 "Hope all is going well with FMA-13."
 "Would like to see your new electronics catalog if
 there's no postage charge."

Stereo, or to be Stereo

CA Johannesburg KRAJ 103.9
 CA Ventura KAGR 107.1, rm
 CO Castle Rock KYBG-FM 92.1 b, back to
 stereo, having dropped all-news
 CT Enfield WPKX 97.9, k, "Kicks 97.9" used
 with call letters, ID with Springfield MA.
 "Doesn't want anything to do with CT-
 mentions only Springfield and gives out a
 Springfield phone number, "burying" Enfield-
 Springfield" in its legal ID around 10 minutes
 to the hour.
 FL Rockledge WHKR 102.7, "Hit Kicker," k
 ID Sun Valley KECH 95.3, is commercial
 (remove *). "They are 62 watts at 661 meters
 (h.v), not 3000 watts at -372 meters."
 IL De Kalb WDKB 94.9, r. "WOLX (near
 Madison) will kill them with their super
 power signal."
 IN New Haven WJFX 107.9
 IA Des Moines KDMI 97.3—uses stereo at least
 11 p.m. to midnight Sundays
 MD Frostburg WLIC *97.1
 MI Kalamazoo WQLR 106.5 back in full stereo,
 after several weeks of "stereo-phoney," with
 19-kHz stereo pilot on, but all material
 monophonic
 MO Union KLPW-FM 101.7
 NE Blair KBWH 106.3 rm, to return to the air
 and expected on with \$
 NE Winnebago KSUX 105.7, "K-Sioux," not
 strict, ID with Sioux City IA. Although
 claiming a "mix" of music, it's a country mix.
 NM Carlsbad KCDY 104.1
 NM Maljamar KWMW 105.1, k
 NM Roswell KURQ 106.5, k; one source listed its
 call as "KEND"
 NY Jeffersonville WJFF *90.5, "with a very
 nice-sounding signal." CP for 3700 h.v; 191

m.
 NY Wurtsboro WZAD 97.3, "Wizard" (not
 strict). "More mellow rock than anything
 else, but definitely not lame!" ID with
 Middletown.
 NC Nags Head WNHV 92.3, k, "Carolina 92"
 OH Grove City WWCD 101.1, p, "alternative
 rock and roll," ID with Columbus; (614)
 444-9923. "I had to call them. My son, who
 lives in Columbus, couldn't get them."
 OR Coos Bay KCOO *89.3, not yet on
 PA Masontown WR1J *106.9, not yet on
 PA Reynoldsville WDSN 99.5, "Sunny 99," ID
 with Du Bois [on Aug. 13, CBS, no SCS
 VA Accomac-Parkley WVES 99.3, b, came/
 VA Ruckersville WXZY 92.1
 NB Grand Falls CFAI-105.1, to be linked with
 CFAI 92.7 Edmundston and a station on an
 unannounced frequency in St. Quentin-
 Kedgwick ("Restigouche Ouest"), all to be
 on 18 hours/day; Edmundston and Grand
 Falls expected on by Nov. 15—public stations
 with commercials.
 Monophonic
 ID Chubbok KRCD-FM 98.3, o. "They had an
 awful signal and even worse audio processing.
 Sounded like they were barely on the air."
 PA Ridgeport WMMK 96.9, o
 PA Post KNKC 107.3, k
 WI Ladysmith WLDY-FM 92.7: "We have not
 formulated plans to add stereo."

Format Changes

Formats are the same as in the "FM Atlas"

AL Demopolis WZMJ 106.3 r, still "Z-106"
 AL Enterprise WDJR 96.9 rp, stereo
 AL Eutaw WIDO 104.3 s, "Jams 104"
 AL Russellville WSHK 97.7 k, "Shoals 97"
 (strict), to 3500 h.v; 131 m
 AR Fairfield Bay KFFB 106.1 m, "nostalgia,
 golden oldies, big band sounds," to have
 15600 h.v; 268 m, and beam into Little Rock
 within 60 days
 CA Carmel KXDC-FM 101.7 rj, "new age"
 CA Ontario KNTF 93.5 kr, country rock,
 "Thunder"
 CO Monte Vista KSLV-FM 95.3 r, \$
 FL Venice WCTQ 92.1 k (was b)
 GA Atlanta WPCW 94.9 mr, dropping nitely
 "Peach Flavors" jazz show
 GA Augusta WGUS-FM r, "Power 102," seeking
 new calls.
 GA Savannah WJCL-FM 96.5 m, not mr
 HI Honolulu KCCN-FM 100.3 re, "Hawaiian
 contemporary"
 HI Kailua-Kona KLUA 93.7 r, \$, "Hot AC"
 IL Chicago WXEZ-FM 100.3 mj, light jazz much
 of the time, with hard-core jazz Saturday
 nights
 IL Chillicothe WBZM 94.3 b, Bonneville
 IL Galena WJOD 107.5 k
 IL Le Roy WRXZ 104.1 rm, "The New Mix
 Z-104" (strict)
 IL Waukega WGFA-FM 94.1 kr [106, "\$
 IN Columbia City WBBE 106.3 to be r, "B-/
 IN Delhi WUNJY 102.9 o, Unistar
 IN Goshen WZOW 97.7 o
 IA Des Moines KDPS *88.1 rt, mono, off for
 summer, but back on [from 92.7
 IA Ida Grove KIDA 92.9 m, \$, having moved/
 IA Iowa City KKRQ 100.7 o, "Oldies 100 FM"
 IA Osage KCZY 92.7 r, "Z-93"
 KS Derby KRZZ 96.3 op
 KS Scott City KSKL 94.5 r, still "Cool 94.5"
 KY Edmonton WKNK 99.1 k
 KY Harlan WTUK 105.1 rm, Unis.
 LA Berwick KVPO 105.9 o
 LA Galliano KBAU 94.3 rm
 LA Haynesville KWHN-FM 105.5 s, R&B of dies
 LA Oakdale WICR-FM 98.7 rm, "Magic 98"
 LA Springhill KTKC 92.7 k [Unis. AC
 MD Mountain Lake Park WKHJ 98.9 rm,
 MI Bay City WHNN 96.1 o, "Oldies 96" (strict),
 from "96-FM." They "played Louie, Louie
 over and over 24 hours daily the weekend of

Aug. 10-12 to introduce the new format."
 MI Caro WIDL 92.1 op
 MI Clare WCFX 95.3 o, "Oldies 95 CFX,"
 shooting "Foxy 95"
 MI Detroit WMXD 92.3 s, "going after FM
 ratings leader WJLB (97.9) but with a more
 adult-oriented music selection"
 MI Muskegon WMHG 107.9 gs, black gospel, still
 "Magic 108"
 MI North Muskegon WLCS 98.3 o, "Muskegon's
 Oldies FM," but always with call letters
 MN Ada KRJB 106.3 k
 MN Crosby KTCF 101.7 k, \$, "Cuyuna Country,"
 on air this month
 MN La Crescent KQEG 102.7 o
 MS Clarksdale WAID 106.3 sr
 MS Jackson WJDX 96.3 still r, but partially
 simulcast with non co-owned WJDX AM 620.
 Legal, because WJDX will take programming
 much like it would if it were a network
 affiliate, the difference being that the "net-
 work" is strictly local. Now "Mix 96."
 MO Chaffee KYRX 104.7 r, "Y-105"
 MO Ste. Genevieve KSTZ 105.7 r
 MO Sullivan KTUI-FM 100.9 k
 NE Lincoln KMXA 106.3 rm, "Mix 106, KMX,"
 with calls given only at the top of the hour
 NE Nebraska City KNCY-FM 97.7 rm
 NE Wayne KTCH-FM 104.9 k
 NV Fallon KVLV-FM 99.3 nr, Drake soft AC
 NM Roswell KWFL 99.5 g[ospel]
 NY De Ruyter WVOA 105.1 c, with g relegated
 to 6-9 a.m. Sundays: 8:30 to 9 a.m. simulcast
 with WSIV 1540, while the other g hours are
 separate
 NY Fort Plain WLKO 101.1 k, simulcast with
 WBUG 1570 AM Amsterdam NY (see "Call
 Letters Assigned" above, WKOL)
 NY Hampton Bays WWHB 107.1 rp, rebroad-
 casting WNEW-FM 102.7 New York, but with
 its own spots.
 Now WNEW-FM
 is heard throu-
 ghout the NY City
 ADI—the only
 NYC area FM sta-
 tion said to have
 this capability. Both WWHB and WJDX
 Jackson MS had been ailing financially.
 NY Oswego WZOS 96.7 to be rm
 NY Ticonderoga WANC *103.9 c, having been
 bought by WAMC *90.3 Albany. WAMC
 recently had a successful \$160,000 fund-
 raising, surpassing its \$150,000 goal. Other
 area public stations not as successful. These
 include WMHT-FM *89.1 Schenectady NY
 and WFCR *88.5 Amherst MA.
 NY Waverly WAVR 102.3 rm
 NY Whitehall WNYV 94.1 k
 NC Eden WWMY 94.5 mr, "Lite 94.5"
 NC Elizabeth City WMYK 93.7 rs, "black AC"
 NC Williamston WHITE 103.7 r, CHR
 OH Ashtabula WREO 97.1 mr, soft AC
 OH Cleveland WMIJ 105.7 o
 OK Altus KKRZ 93.5 rm, no "K Rocks" nonID
 OK Weatherford KBXR 97.3 rm
 OK Woodward KMZE 92.1 rm, \$
 OR Portland KBOO *90.7 sj
 PA Port Allegany WHKS 94.9 rm
 SC Mount Pleasant WDXZ 104.5 s, "Foxy 104"
 (from "Dixie 104.5") [Easy 98.9"]
 SC Spartanburg WSPA-FM 98.9 m, "Light and/
 TN Athens WJSQ 101.7 k, SMN Country
 TN Etowah WDRZ 103.1 gr, no soul music;
 "Gospel rock" plus "classic radio" programs
 in the evenings
 TN Knoxville WEZK 97.5 mr, "The New 97.5
 FM." "Another b bites the dust."
 TN Memphis KHUL 101.1 rs, "black AC"
 TN Soddy Daisy WFXS 102.3 op, still "Fox
 102"
 TX Bay City KMKS 102.5 rm
 TX Cameron KCRM 103.9 (moving to, from
 103.1) g, "KC-103," simulcast with KOKE
 101.7 Giddings, which has yet to upgrade
 TX Commerce KETR *88.9 kr, also some c,



On Air (Selected)

"primarily k"
 TX Corciiana KAND-FM 107.9 r, having dropped contemporary Spanish, now all r
 TX Dall as KNON *89.3 es, also some l [ati n]
 KMGC 102.9 mr, "Magic 102.9"
 TX Fort Worth KMEZ 107.5 m, "EZ-107.5," having softened its sound. "All the years KMEZ was b-formatted they consistently were positioned in the top 10 of each ratings period. After their change they didn't even place in the top 20! [Now] they seem to have gotten a little 'softer'. Perhaps this is in reaction to their ratings." [to cj
 TX Denton KNTU *88.1 has Spanish, in addition/
 TX Galveston KGWV 104.9 p, but still using KRTX calls
 TX Granbury KYOT 106.7 bc. "Testing" for six months, "now apparently on regular schedule as is carrying commercials."
 TX Highland Park KVIL-FM 103.7 mr
 TX Houston KQUE 102.9 m, "KQ-103"
 TX Kerrville KITE 92.1 mr, Drake soft AC
 TX Marshall KMHT-FM 103.9 o
 TX Mount Vernon KPXI 100.7 k, "X-100"
 TX Odem-Corpus Christi KKHQ 98.3 (see below, "Off the Air"), remove \$, format listing—as it looks to be a long-term hiatus
 TX Paris KPLT-FM 107.7 m, "Star 107.7"
 TX Rosenberg 104.9 still heard as KFRD-FM, not as KFRC-FM
 TX San Antonio KISS-FM 99.5 o. "A dumb format change. . . KISS-FM had trouble making money." Now the market has "no mainstream rocker," with KISS-FM joining other oldies stations KONO 860, KSMG 105.3 and KISS AM.
 KOXT 101.9 mr, still "KQ 102"
 TX Sherman KWSM 104.1 op, classic rock
 TX South Padre Island KZSP 95.3 r, "Z-95"
 TX Stephenville KCUB 98.3 mr, "Sunny 98.3"
 TX Sulphur Springs KDXE 95.9 k
 UT St. George KZEZ 93.5 mr, Drake Soft AC
 UT Trementon KBXQ 105.1 o, SMN Pure
 VA Berryville WAPP 105.5 m, SMN
 VA Newport News WGH 97.3 k
 VA Onley WESR-FM 103.3 rk
 VA Staunton WANV-FM 99.7 mr
 VA Strasburg WESI 104.9 m; WAPP and WESI simulcast each other
 WA Gig Harbor KGHP *89.3 r, plus "alternative"
 WA Naches KYKA 96.9 m
 WV Milton WAEZ-FM 106.3 o
 WI Appleton WLFM *91.1 tc, relaying WI Public Radio. "How boring. . . the student staff wants listeners to write in favor of continuation of its own programming to Richard E. Morrison, public affairs director, PO Box 599, Appleton WI 54912."
 WI Columbus WYKY 100.5 m, "Key 100.5," ID with Sun Prairie
 WI Fond du Lac WFON 107.1 r
 WI Rhinelander WZTT 97.5 to be g
 WI River Falls WRFW *88.7 tr, relaying WI Public Radio, but with student rock programming at night
 WI Rudolph WIZD 99.9 o
 WI Superior KUWS *91.3 tj, joins WI Public Radio for daytime talk, carries student shows at night; same daytime programming as similar-covered WWSA *89.9 Brule WI
 WY Laramie KRQU 102.9 r, CHR
 BC Victoria CKKQ 100.3 pj, now "100.3 The Q," reinstated jazz (four hours on Sundays) because CRTC wouldn't allow them to drop it from their schedule. "Too bad the CRTC let CKKS '97 Kiss FM' 96.9 get away with dropping the jazz requirement in their 'promise of performance'."
 ON Sudbury CJRQ 92.7 rp, "research by owners showed gap that needed to be filled as the 18-34 demo is sizable."
 ON Timmins CJQQ 92.1 rp. "Again, a greatly underserved 18-34 demo." Its use of "Q-92" is strict.

AZ Sedona KQST 100.1, not yet moving to 102.9C [in Redding)
 CA Central Valley K296CE 107.1 (heard/
 CA Davis KLCQ 105.5, on 6 a.m. to 10 p.m.
 CA Visalia KARM *89.7, \$, g, using the calls of 1430 AM in Fresno, which had beautiful music. "The only non-college Seventh-day Adventist station in America. Presently on the air evenings only due



to a lack of program material." Serves Fresno. "The SDA Camp meetings at Soquel were broadcast at 89.5—very low power. The Tahoe meetings are on FM, too."
 CA Woodlake KUFW *90.5, back on after having a fire [having moved from 97.9
 CT New Britain WFCS *107.7, [183 m
 FL Melbourne WAOA 107.1 now 100000 h.v.;
 GA Wrens WRDW-FM 96.7, but just barely. It's been on air despite bankruptcy of its current owner and a failed attempt to sell the station. Now employee paychecks are a week late and a former employee is calling to the FCC's attention problems like no top tower light working. Fate of station is largely up to two banks it owes \$1 million to. FCC "would want to look into" any violations of its rules.
 IN Chesterton WDSO *88.3, back on
 IN Elkhart WVPE *88.1 now on with 11000 h.v.; 152 m; "very strong; much improved signal"
 IN Fort Wayne WLAB *88.3, "first time ever heard," \$, g [off the air one month
 MN Hermantown W280CT 103.9, after being/
 MS Ellisville WJKX 102.5, having moved from 102.3
 NY Cazenovia WITC *88.9, having moved from 90.9 [moved from 100.1)
 PA Williamsport W207-- *89.3 (having/
 ON Manitowadge CBON-23 *96.9

Off Air or Not Yet On

AL Abbeville WIZB 94.3, was monophonic, oldies; AM also silent IPA Tunkhannock
 AL Huntsville WJAB *90.9 WYMK 107.7 (tr
 CA Arcata KXGO 93.1 | change from WEMR-
 CA Coalinga KNKS 100.1 | FM), mr, but expected
 CA Fresno KFNO *90.3 | on early October
 CA McFarland KSUV 102.9 (still on low power, mono and using KXEM-FM calls)
 CA San Jacinto KWRP 96.1, but to be coming on air in a few months with either classical or easy listening
 CO Rifle KZKS 105.3; AM remains on
 ID Rupert KNAQ 92.5, still on 92.1
 IL Chicago WSSD *88.1
 IA Winnetka KTGD 99.5
 ME Blue Hill WERU *89.9 until the cause of interference with the emergency communications system at Blue Hill Memorial Hospital can be pinned down. Has been testing with tones, using different components in its transmitter. It lacks an auxiliary transmitter, so forced to totally shut down for an indefinite period.
 MD Fredericksburg WDLE 107.1
 MN Ortonville KBAA 106.3
 MO De Soto KDJR 100.1
 MT West Yellowstone KPFS 96.5
 NE Albion KLBK 92.7
 SD Custer KUAA 105.1. "The owner of the local AM there told me the people who had the FM CP let it expire." I tend to discount that as wishful thinking from a competitor, as the new FM was only assigned call letters in December and they have a year and a half to build (longer with extensions).
 SD Rapid City KTOQ-FM 104.3
 TN East Ridge WJRX 107.9
 TX Odem-Corpus Christi KKHQ 98.3, "silent and studios evacuated. Rumor has it they were

shut down by the IRS. They previously moved studios to Corpus Christi without FCC permission, and probably received a heavy fine."
 TX South Pittsburg WKXJ 97.3
 VA Exmore WPHG 106.1
 WI Watertown WBII *91.5. This enables ½-watt WLHA *91.5 Madison to reach out this summer. "Usually it's off mid-May to September."
 WY Powell KMBU

Deletions

AZ Dinnehotso K206AH *89.1
 AZ Green Valley K249BE 97.7
 AZ Kayenta K296BC 107.1
 AR Camden K228CE 93.5, K232BZ 94.3, K292DC *106.3 ["New," above)
 CA Thousand Oaks K202AE *88.3 (see/
 CO Grand Lake K288CM 105.5
 CO Glenwood Springs K257CP 99.3
 CO Winter Park K292DV 106.3
 ID Bonners Ferry KRBF 92.1 (replaced by translator on *91.9)
 IA Fort Dodge K276BE 103.1
 KS Junction City K206BD *89.5
 KS Lenexa K224AS 92.7
 LA Lake Charles K220BU *91.9 (because of new KOJO *91.7)
 ME Bar Harbor WTBU 107.7
 ME Portland W283AA *104.5
 MN Pierz K224CZ *96.7
 MN Sauk Rapids-Sartell K244AZ *96.7, both of these because of KKSR moving from 96.1 to 96.7, but K244AZ is still on the air
 MO Joplin K249BZ 97.7—because of KRGK Carthage moving to 97.9
 NE Bridgeport KFLL 101.3
 NC Greenville *88.3
 OK Lawton K257CX 99.3
 OR Gold Beach K272CE 102.3, K296AU 107.1, both once licensed [were licensed/
 OR Riddle K280BH 103.9, K292CF 106.3, /
 OR Roseburg K201AI *88.1
 OR Selma K252BG 98.3, was licensed
 TX Aibel K221CY 92.1
 TX Beeville K249BM 97.7
 TX Wichita Falls K288DB 105.5
 WA Mercer Island KMIH *90.1

SCS Services, 57, 67, 92 kHz and

TV-SAP

Symbols are as in the "FM Atlas"

CO Glenwood Springs KMTS 99.1 (moving from 92.7), tU, 67
 CO Salida KVRH-FM 92.1 tU, 67
 FL Port St. Joe WJST 94.5 tU, 67 (had tM)
 GA Cumming WVEW *91.5 no SCS (had tX, but "all is quiet")
 IA Emmetsburg KEMB 98.3 no SCS, only open carrier, 67 (had tM)
 KS Lawrence KANU *91.5 tT, 92 (tT, 67—both with the Kansas Audio Reader)
 ME Augusta WMME-FM 92.3 tM, 67 (Muzak)
 ME Lewiston WXGL-FM 93.9 tU, 67
 ME Millinocket WSYF-FM 94.9 t, M, 92
 ME Portland WMGX 93.1 tU, S, with 92 being Maine Mariners hockey
 WWGT-FM 97.9 tX, U, with 92 kHz telemetry shared with Marti remotes; now doing its legal (?) ID minus the "-FM," still "G-98" (strict)
 WPOR-FM 101.9 no tM, 67, now it is Marti remotes (tS)
 WBLM 102.9 tM, 67; tR, 92
 ME Presque Isle WBPW 96.9 no SCS (had tM, 67)
 ME Sanford WCDQ 92.1 tU, 92 [tT, 67)
 ME Scarborough WPKM 106.3 no SCS (had/
 ME York Center WQCL-FM 95.3 tS, U, with 67 being Marti remotes
 MN Minneapolis KLXK 93.7 tM, 67 (tD, 57), different music from Muzak and Seeburg. "I am not aware we are doing that, but it could be. If they have a profitable background music business, then they can better afford to pay my salary."

MN St. Paul KEEY 102.1 TX, 67 (same as the 67 of WCTS *100.3); "K-102" nonID main carrier [tains 1M, 67]
 MN Waite Park KXSS-FM 103.7 TR, 92 (re-)
 MS Jackson WMSI 102.9 no 1M, 67. "I can't get any Muzak here in Jackson on my SCA tuner."
 MT Kalispell KBBZ 98.5 TU, 67
 NJ South Orange WSOU *89.5 still TE, 92 (T, 67, Eies of New Jersey), but a few hours a day it is "WEBN," Caribbean French. It shares with a Filipino station. "WEBN" plans to go fulltime, and the Filipinos to WQCD's 92, except for the minor complication that WQCD (101.9 New York) has a foreground music contract for its 92 kHz SCS.
 NY New York WKCR *89.9 T, 92, in addition to T, 67, both In-Touch radio reading systems. "It seems WKCR has possible data dealings in the works for 67." Such a fate may also affect the Audio Reader (see Lawrence KS, above).
 PA Lancaster WGAL, channel 8, and Philadelphia WGBS-TV, 17, have the NWS Philadelphia weather radio on their SAP channels. Rush hour traffic reports have been heard on the SAP of WFMZ-TV, channel 69, Allentown PA. "The only other SAP noted here are 'talking books' on NJ Public TV channels 23 and 52" (EIES of New Jersey).
 PA Pittsburgh WDSY 107.9 TX, 67
 TN Cleveland WALV 95.3 TM, 67, to start soon. "We're using phone lines now, but will be going to SCA. I'm not sure what you mean about using two frequencies, 67 and 92 kHz. I think we'll only be on 67."
 WA Seattle KCTS-TV 9 has just activated its SAP with a continuous three-minute tape loop explaining the function of the SAP switch, and saying they will start this fall with commentary to assist sight-impaired people and it will have a bilingual program
 WI Waupun WPKR 99.5 TU, 92; now k, main carrier with multiple cities in its hourly ID list, and "Packer 99.5 FM" nonID
 BC Vancouver 797.5-800 mhz Aug. 17, 18 and 20. DAB tests produced on channels 68 and 69 diagonal lines, "and using the NBFM mode on my receiver was able to detect the carrier. The audio could best be described as a 'tick, tick, tick, tick' sound similar to telemetry data or RTTY in the FM mode. The D.O.C. confirmed the tests and was interested in my reception from Salt Spring Island (about 100 km from Vancouver). I climbed the tower to manually point my UHF four-bay at Vancouver, as I don't have that antenna on the rotator."
 Not exactly SCS, but John Binsfeld, BEI Engineering, called and reported on station telemetry services he provides at either 49 mhz or low powered FM. The low power FM (88 to 108 mhz) telemetry transmits on open spots

Binsfeld Engineering Inc.

8944 Co. Rd. 675, Mapié City, MI 49664
 Phone (616) 334-4383

on the dial to receiving antennæ just centimeters away "for temperature gauges and other weather reporting" for stations. His equipment can also detect stresses on tower legs by measuring torque and telemetry that information on low power FM transmitters.
 AT&E's introduction of wristwatch paging, via FM-SCS, is viewed with skepticism in the investment community. "Risks offset the opportunities and we rank the stock a 'hold' at current levels," says a broker who has studied the firm. Securing SCA leases is a major hurdle, costing the company an estimated \$27.8 million in up-front payments. The firm in mid-July began selling wristwatch pagers giving an alphanumeric look at reality

for \$225, a discount of \$50 off the regular price. Airtime charges are \$12.50 per minute for an unlimited number of messages. Some 5000 units have been snapped up, with a 1995 estimate of 2.83 million. A loss per share of \$3.72 this year is projected to be a positive earnings per share of \$12.48 in 1995. But "the financial model should not be taken too seriously. None of the assumptions are based on anything more than a general judgment regarding the potential market and the revenues and costs that seem likely." There is, however, a threat to the FM spectrum in SCS paging. Where conditions are unreliable in a local market "paging coverage will be improved through the same methods stations use to provide audio coverage—with boosters and translators." Three Class C stations are being used in Portland OR; I can see unlimited local area translators springing up, ostensibly to improve main-channel performance in problem neighborhoods, but in reality serving paging interests with better penetration of a market.
 "Good luck with your work on FMA-13. I hope you do something about the chopped-up maps, especially TX, pp. 64-65, which is hopelessly confusing."

NonIDs, Not Just Slogans

Mentioned on the air usually without call letters; "strict" if a station only uses call letters once per hour as required by the FCC (at or near the top of the hour)

- AL Birmingham WKXX 106.9 Kix-106 (back to, from "K-106")
- AL Selma WALX 100.9 Laser 101
- AR Camden KCXY 95.3 Y-95
- AR Jonesboro KJBR 101.9 Power 102, still r
- CO Grand Junction KJYE 92.3 FM 92.3 K-Joy (strict)
- DC Washington WRQX 107.3 Mix-107.3 (from "Q-107," still r, but "dropping their successful top 40 format... The listening public really likes boring, bland radio!... I still can't believe WRQX dropped top 40 for lame bull ---!").
- FL Fort Myers WSRX *91.5 The Spark
- FL Lake City WNFB 94.3 B-94 (and B-94.3)
- FL Melbourne WGGD 102.3 Gold 102 (o)
- FL Pensacola WUWF *88.1 88.1 FM Sound Choice
- FL Titusville WGNE-FM 98.1 98-Frog, k
- GA Albany WJIZ 96.3 Z-96.3
- GA Athens WALR 104.7 Light 104.7 (from "Light Rock 104.7"), still mr
- GA Manchester WVFJ 93.3 The Joy FM (not strict)
- GA Ocala WSPX 97.7 back to K-98, portending possible return to WCAA calls
- GA St. Marys WAIA 93.3 A1A
- ID Jerome KFMA 102.9 still "Z-103," and listed in phone book as "KFMAZ." "I wonder what blithering idiot came up with that idea?"
- IL Mattoon WLBH-FM 96.9 Stereo 97
- IL Robinson WTAY-FM 101.7 Tay FM
- IL Springfield WVEM 101.9 Easy 101.9
- IL Urbana WKIO 92.5 Oldies 92 (not strict)
- KS Winfield KWKS 94.3 Class FM [NC Laurinburg
- KY Prestonsburg WQHY 95.5 Q-95 | WMXF-FM
- KY Somerset WLLK 102.3 Lake 102 | 96.5 Mix-96
- LA Monroe KNOE-FM 101.9 K-102 (from "ATT Hits FM 102")
- LA New Roads KOXL 106.5 Q-106
- MD Hagerstown WARX 106.9 Magic 106.9
- MD Lexington Park WMDM 97.7 Power 97.7 (from "Stereo 98")
- MI Detroit WDET *101.9 no nonID—sometimes "W-Detroit," but always with call letters
- MI Escanaba WGLQ 97.1 no nonID, rubbing out "Magic 97" [(from "UP-103")]
- MI Marquette WRUP 103.3 Pure Gold 103/
- MI Petoskey WJML-FM 98.9 Light Rock 99 JML
- MI Standish WSTD 96.9 New-9
- MI Vassar WOVE 98.9 New 98-9 FM (not "Wowie"), is \$ [Rockin' 101
- MN Sauk Rapids-St. Cloud WHMH 101.7/

- MS Greenwood WYMX 99.1 Max 99
- MO Kansas City KMBR 99.7 99.7-FM
- MO Lebanon KIRK 103.7 no nonID, no "K-Jel"
- MO Lexington KCFM 107.3 no "FM-107.3" nonID
- MO Maryville KXCV *90.5 90 Plus
- MT Great Falls KLFM 92.9 Light FM (also "Light 93"), still k
- MT Miles City KMCM 92.5 KM-92
- NE Lincoln KFRX 102.7 no nonID
- NE Omaha KESY-FM 104.5 no nonID, saying "soft 104, KESY" [(from "Lite 96.9")]
- NJ Atlantic City WFBG-FM 96.9 FM-97/
- NM Clovis KCLV-FM 99.1 Country 99
- NY Endicott WMRV 105.7 Lite Rock 105.7
- NC Raleigh WYLT 96.1 Lite 96.1 (from "W-Lite")
- ND Valley City KOVC-FM 100.9 Gold-101
- OK Anadarko KRPT-FM 103.7 K-103.7 (from "K-104") ["Power 106"]
- PA Bloomsburg WHLM 106.5 Mix 106 (loses/
- PA Sweet Valley WRGN *88.1 Good News 88, still mono
- TX Dallas KERA-FM *90.1 One of a Kind, with different forms of music intermixed. "Seems to have worked as this format has increased their pledges."
- WRR 101.1 Classical 101 (not strict). "Classical WRR still manages to hang in there in the top 20."
- KRSR 105.3 Star 105 (from "Star 105.3")
- TX Fredericksburg-San Antonio KFAN 101.1 The Fan (from "K-Fan 101")
- TX Freeport KGLF 103.3 Houston's Joy of Jesus (strict), with KJOJ 106.9 Conroe, except at legal ID time on the hour when the two are separate
- TX Galveston KQQK 106.5 no "Hot 106.5," still contemporary Spanish/English
- TX Houston KIKK 95.7 no nonID, always giving call letters
- KHMX 96.5 Mix 96.5
- KODA 99.1 always uses call letters instead of "Coda 99" ["FM 98"]
- TX Laredo KRRG 98.1 Energy 98 (from/
- TX Palestine KLIS 96.7 96-FM
- TX San Antonio KTFM 102.7 Hot 103
- KZEP-FM 104.5 K-Zep
- TX Seabrook KRTS 92.1 Classical 92
- TX Wichita Falls KTLT 106.3 no nonID, no "Light 106" [(from "Y-96")]
- VA Norfolk WLTY 95.7 Oldies 95.7/
- WA Opportunity-Spokane KKPL 96.1 Light 96 (strict), from "K-96 FM," still r
- WV Martinsburg WKMZ 97.5 Power 97.5
- WI West Salem-La Crosse WOJY 100.1 Joy 100 FM (not strict)
- NS Halifax 96.5 (calls not known) to be on air

~ 96.5 Sun fm

STARTING SEPTEMBER '90

- this month, 96.5 Sun FM
- ON Windsor CIMX 88.7 Mix FM Mis-ID
- ME Gardner WABK-FM 104.3 on the top of the hour as "ABK-FM, the fresh new K-FM..." minus the "W"

Multi-City IDs in Use

- DE Georgetown WZBH 93.5 with Ocean City-Salisbury [Cedar Falls
- IA Oelwein KOEL-FM 92.3 with Waterloo-/
- IA Waterloo-Cedar Falls KFMW 107.9 with Dubuque-Iowa City [Grand Rapids
- MI Zeeland-Holland WJQK 99.3 with/
- MN Aitkin KEZZ 94.3 with rotating cities; no nonID [variable third city
- MN Bemidji-Park Rapids KBHP 101.1 with/
- MN Fosston KKDQ 107.1 with Bagley, but no longer with Mahnomen-Mentor
- MN Princeton WQPM-FM 106.3 with Milaca
- NE Alliance KTNE-FM *91.1 with Scottsbluff
- NE Hastings KHNE-FM *89.1 with Grand Island
- NE Lexington KLNE-FM *88.7 with Kearney

NJ Vilas WLQE 98.7 with Rio Grande-Wil dwood
PA Du Bois WDBA 107.3 with Altoona
VA Hampton WWDE 101.3 with Norfolk
Virginia Beach [mono talk
VA Windsor WXRI 107.7 with Suffolk/]

AM Happenings Most Likely Caused by FM

AL Madison-Huntsville WDKT 730 silent
AL Prattville-Montgomery WRNB 1410 silent
CA Salinas KDON 1460 still silent. "I wonder what attempted format will be next. They've not been able to find a winning AM format for decades."
CA San Mateo KOFY 1050 was simulcasting KOFY-TV, 20 "all day. I discovered it when I heard a Popeye cartoon—quite meaningless without the video, which is why the blind should have TV narration. . . Two years ago KOFY was a 1000-watt Spanish daytimer. The new owner raised it to 50000 days, 1000 nights and also owned TV-20, and their '50s oldies format seemed successful. AM and FM watching is fun. What will happen next?" Next is expected that it will return to oldies—SMN Kool.
CT Naugatuck WFNW 1380 had been silent; returns with Spanish and Portuguese
GA Augusta area Christian AM stations WFAM 1050 and WKZK 1600 having difficulties attracting paying Christian broadcasters and advertisers. WTKS 1510 there became WKRU, "The Cruise," playing oldies, with Bob Cannella unable to make a profit on it as a gospel station. Moving into the area are religious applications for *88.3 by Toccoa Falls College (WRAF *90.9 Toccoa Falls GA) and by CRSA Public Radio, which would be a Christian contemporary station, usurping WFGG *88.3 Fort Gordon, which may lose its license. The station is not listed on FCC records, yet is on the air under an "understanding" with the FCC. However, no current FCC staffers can remember the legal authority WFGG has to broadcast. "No one knows anything. It was signed so long ago no one remembers what it was about." Paul Boyce, a public affairs spokesman, said the Army and FCC authorized WFGG as an educational station about six years ago. But the 100-watt station never received an FCC license," he said. It currently broadcasts 24 hours a day and is receivable in Augusta. "WFGG entered into some complex negotiations with channel 6 here (WJBF) to be allowed its 100 watts. A religion group would have a harder time because they'd want more power." Only the *FM Atlas*, among broadcast references, lists this and other military FM stations, including WKDT *89.3 West Point NY, WRNV *89.7 Annapolis MD and KAFA *104.5 Colorado Springs CO. The Bible Broadcasting Network has applied for commercial FM frequencies in nearby Martinez and Evans GA.
KY Paris WRPZ 1440 license revoked by FCC after being silent over a year. That fate awaits other such stations. "With record totals of stations now silent, particularly stand-alone AMs, enforcement of licensing requirements might trigger delicensing of dozens of facilities in the next year."
ME Gorham WKZN 870 (moving from 1590) sold by Greater Portland Wireless (Ron Frizzel and Myer Feldman) to Broadcast Communications for only \$50,000. Buyer is headed by Eric W. Read, who holds a CP for an FM at Truro MA, WTUR 102.3.
ME Madawaska WSJR 1230 and Fort Kent WLVC 1340 have their programming now over United Video Cablevision at 97.5 FM, after having been purchased by Thomas Beardsley MA Boston WBZ 1030 AM because of an

apparent cash flow problem has let go some talk show hosts: Dave Brudnoy (who may be back because of public outcry), Jon Keller (who had a three-hour Sunday night show); as well as newsman Dave Fallon, assignment editor Pete MacLeod and statehouse reporter Darrel Gould. WBZ's Arbitron showed a drop in "every major category," going from a 7.3 to a 5.9 share in the 12 plus. New shows are those syndicated with Tom Snyder and Sally Jesse Raphael.
MA Easthampton WEFI 1140 CP cancelled; call letters deleted
MA Pittsfield WUHN AM 1110, affiliate of WUPE 95.9 drops easy listening for satellite fare, laying off two staffers. Its local material will come from WUPE announcers. Announcers fired are Dana Jones, 68, a 43-year veteran of Pittsfield radio, and George Church III, 60. Getting lots of calls, but management is firm on ignoring those over 55, sticking with satellite "Pure Gold" for almost 100 percent of its time. Local news "seems like an afterthought, scheduled at odd times and ceasing entirely after mid-day."
WBEC AM 1420 also adds satellite (Transtar), letting some parttime staff go. Station needs to "save money."
MI Bay City WBCM 1440 silent
MI Flint WDLZ 1330 silent
MN Minneapolis WCCO 830 nighttime shows with music not profitable, so is switching to local all-talk midnight to 5 a.m.
MS Marks WQMA 1520 silent
MO Kansas City WHB 710 drops from a 3 to a 1.2 share, now that KCMO-FM 94.9 is competing in the oldies format
NJ Dover WRAN tried to be AC under "Cousin Brucie Morrow" as "New Jersey 1510," but "he was on AM, without a statewide signal (like WKXX 101.5 Trenton has). WRAN ran through other owners and permutations (the latest as WMHQ) before eventually going dark."
NM Santa Fe KMIK 810 silent, evicted from transmitter site
NY Rochester 1460 calls are WWWG, not WWMG (p. 5, col. 2 last month)
NC Hendersonville WHKP 1450 AM buys out two nearby failed AM stations and simulcasts. They are WPNF 1240 Brevard and WTYN 1160 Tryon—a regional "triumulcast."
OK Oklahoma City WKY 930 now easy listening; it was OKC's first rocker, even before KOMA 1520 had that format. KOMA still getting good ratings after more than 30 years as a rocker, "but they are going down, being hurt by gold-based AC KMGL and oldies FM KLTE."
PA Philadelphia WCAU 1210 AM dies, now an FM simulcaster, at least for 50 percent of the time, with WOGL-FM 98.1. The *Philadelphia Inquirer* raised questions, in an article, about the future of AM radio and CBS' commitment to that medium. Speculation is that WOGL AM will be put on the market. "Against KYW, all news WCAU fared badly." The station began to lose money in the late '70s, with it being all-talk the last two years. Still, ratings and advertising success eluded it. Locally, WFIL 560 failed to sell, and now simulcasts WEAZ-FM 101.1. Even AM's glamour stations, WGN Chicago, KABC Los Angeles, WINS New York, KMOX St. Louis, WCCO Minneapolis and KGO San Francisco "are slowly losing their market share. Radio executives can only watch the events of last week and wonder whether other cities, in the decade ahead, may find themselves mourning the loss of their own version of WCAU."
SC Aiken WKXC 990 silent
SC Camden WVEF 1130 silent
SC Conway WBIG 1330 silent
SC North Augusta WGUS 1380—"several" WGUS "employees have been told they no longer have a job." Downturn also affects WGUS-FM 102.3 Augusta GA, which has switched to rock from country. Before the format switch, WGUS-FM, now dubbed WOPW, "Power 102," billboards had been painted over with red Xes.
TX Galveston KTUS 1400 silent [news,
VA Roanoke WBNI 910 silent; had been business/

WA Seattle KJR 950 and KING 1090 give up AM stereo, claiming too few receivers and impairment of coverage in fringe areas
WA Sumner (Tacoma) KZIZ 1560 and Renton WA (Seattle area) KRIZ 1420 simulcast
WI Milwaukee WLZR 1340 (along with FM 102.9) denied request by Satellite Music Network to simulcast its "Z-Rock" heavy metal format on the AM. "In light of the recent ratings' success of Z-Rock on KZZF (FM) in Hanford-Fresno, SMN says it wants to refocus Z-Rock marketing on FM stations and will now consider only select AM stations for affiliation," reports the "M Street Journal."
ON Thunder Bay CBQ 800 gave up the ghost Aug. 7. FM *88.3 is being promoted, and one FM radio an hour was given away during a two-hour period daily to Thunder Bay residents answering trivia questions. "Our AM transmitter is old—too expensive to replace."
"In 1988, AM and FM each had about 5,000 commercial stations; AM stations did \$1.7-\$1.9 billion of business, while FM stations did \$4.8-\$5 billion. FM's early lack of commercial success helped draw listeners because of fewer commercials. And, while FM stations do air more commercials today, they still air about half as many as AM stations—what just charge more," writes Gerry Dexter in "Whatever Happened to AM Radio?" *Radio-Electronics*, Sept., 1990, pp. 71-74.
AM anti-skywave antenna project, sponsored by the National Association of Broadcasters, cut short. The device showed "only" a 30 percent decline in nighttime skywave interference. Further testing is not planned for this project, with attention turning to a system of computer modeling to try to achieve less interference among AM stations.
"The first 30 pages of my 12th edition FM Atlas came loose and had to be taped in. I never had this problem with previous Atlases. . . The gap between print on two consecutive pages makes determining distances on the FM maps very difficult. The 11th edition Atlas did not have this problem. I hope that the 13th will not either."
"Face it, the metric system just isn't catching on. Go back to feet and miles. Please."

FM Rulemakings Proposed
First date is deadline for filing comments at the FCC; second date is for replies. Stations affected, if any, are listed before the dates.

AR De Witt 97.3C2 for 96.7A, KDEW-FM, replies Sept. 25 [plies Sept. 25
AR England 96.5C3 from A, KLRA-FM, re/ GA Bowdon 105.5A counterproposal
GA Cussetta 101.3A, Oct. 9, 24
IA Albia 96.7C3 counterproposal
KS Atchison or Wathena 93.7A, Oct. 26, Nov. 13
KS Larned K YSG 106.9C1 for A, Oct. 22, Nov. 6
LA South Fort Polk 95.7A from 101.3A, KZRO, with Jasper TX [with Jasper
LA Sulphur KTQQ 101.3A from 100.9A, / LA Vivian 105.3A from 95.7A, with Hooks TX
MD Mountain Lake Park 98.9B1 from A, WKHJ, counterproposal [Nov. 6
MO La Monte KOSY 97.1C3 for A, Oct. 22, / MO Memphis 97.1A for 96.7A, KMEM with Albia IA
NM Mora 104.7A, replies Sept. 21
NY Calverton-Roanoke 92.9A counterproposal
NY Hague 96.7A counterproposal
NY Monticello 99.7A, Oct. 22, Nov. 6
NY Westhampton 92.9A counterproposal
NY Westport 96.7A counterproposal
OK Healdton 93.7C1 for 105.7C2, KICM counterproposal
OK Lone Grove 93.7C1 counterproposal
OR Sweet Home 107.1C1 for C2, KSKD, replies Sept. 21 [22, Nov. 6
TN Crossville 102.5C3 for A, WEGE, Oct./ TN Trade 102.3A, Oct. 15, 30
TX Bay City (new) 101.7C2 from 96.1C2, with Rosenberg
TX Coahoma 94.3A, replies Oct. 2
TX Decatur (Fort Worth, with no primary coverage to Stephenville) 105.7C from Stephenville C1, KSTV-FM counterproposal
TX Edna 96.1A from 101.7A, with Rosenberg
TX Hooks 95.9C3 from A, KLLI counterproposal
TX Lometa 101.9A, Oct. 22, Nov. 6
TX New Ulm 97.3A from 92.3A, with Rosenberg



TX Palacios 99.7A from 100.7A, with Winnie TX Redland (said to be near Lufkin, but not on any known map) 100.5C3 from 104.9 Galveston, KWVS counterproposal—about 260 km from Galveston and in no way would it any longer serve that city
 TX Rosenberg 104.9C1 from A, KFRC-FM counterproposal
 TX Winnie (between Houston and Beaumont, no longer providing service to Jasper) from Jasper 100.7C from C2, KJAS counterproposal
 VA Exmore 106.1B1 from A, WPHG, Oct. 9, 24
 VA Fort Lee 96.5A counterproposal
 VA Grottoes 92.1A counterproposal
 VA Harrisonburg *89.7A for 91.7A, WEMC, with Grottoes
 VA Lynchburg 100.1C3 for A, WKZZ, Oct. 9, 24
 VA Ruckersville 93.3A for 92.1A, with Grottoes
 WA Pullman 99.5C1 for C2, KZZL, Oct. 15, 30
 WA Spokane 103.9C2 from C3, KVXO, Oct. 9, 24 [15, 30
 WV Bethlehem 105.5B1 for A, WHLX, Oct. 1
 WV Rainelle 95.3A from 96.7A, WRRL-FM, Oct. 22, Nov. 6 [-FM, Oct. 26, Nov. 13
 WI Park Falls 98.7C2 for 98.3A, WNBH/-
 WI Tomahawk 92.5C3 from 92.7A, WJQJ-FM, Oct. 22, Nov. 6
 WI Townsend 103.5C3 counterproposal

FM Rulemakings Finalized

Dates are when FCC filing windows are open

AL Citronelle WKQR 102.1C3 from A
 AL Fairhope WZEW 92.1C3 from A
 AL Roanoke WE..F-FM 102.3C3 for A
 AR Barling KOLX 94.3C3 from 94.5A
 CA Mount Shasta KEDY 107.9C1 for 95.3A
 CA Tahoe City KRZQ 96.5C1 for C2
 CA Weed KEDY 102.3C1 from 95.3A
 CO Walsenburg KSPK 102.3C3 for A
 FL Arcadia WOKD-FM 98.3C2 from A
 FL Destin WMMK 92.1C3 from A
 FL Gouids WRTO 98.3C from A
 FL Immokalee WCOO 92.1A from 98.3A
 FL La Belle WKZY 92.5A for 92.1A
 FL Summerland Key WPIK 102.5C2 for 102.9A
 FL Tavernier 96.9A, Sept. 25-Oct. 25
 GA Rome WKCX 97.7C3 from A
 HI Hilo KKBG 97.9 C1 for C2
 IL Illinois City dismissed bid for 92.5A
 IA Boone KWBG-FM 98.3C3 from A
 IA Knoxville KRLS 92.1C3 for A
 IA Ottumwa KTWA 92.7C3 from A
 IA Red Oak KOAK-FM 95.3C3 for A
 IA Stuart 107.9A, Aug. 31-Oct. 1
 IA Twin Lakes KTLB 105.9C3 from 105.5A
 KS Ogden KQLA 103.5C2 for 103.9A
 KY Morehead 96.3A, Oct. 16-Nov. 15
 KY Westwood 99.7A, Oct. 16-Nov. 15
 LA Bunkie KRBG 104.3C3 from A
 LA Clinton WQCK 92.7C2 from A
 LA Ferriday KFNW-FM 107.1C3 from A
 MI Leland WLEL 94.3C3 for A
 MN Bagley dismissed plan to add 102.3A
 MS Greenwood WGNL 104.3C3 from A
 MS Lumberton WLUN 95.3C2 for A
 MO Canton KBXB 102.3C3 from A
 MO Mount Vernon KTJA 106.7C3 for A
 MT Helena *103.1C, no dates announced
 NE Columbus KWMG 93.5C1 from A
 NC Wadesboro WRPL 93.5C3 for A
 NC Warrenton WVRS 107.3C2 for A
 OR Gold Beach KGBR 92.7C1 for A
 SC Orangeburg WKSQ 103.9C3 for A
 TN Alamo WNBW 93.1C3 for A
 TN Spring City WYAY 93.9C3 from A
 TN Trenton WLOT 97.5C3 from 97.7A
 TX Carthage 104.3A, Oct. 12-Nov. 13
 TX Georgetown KJWL 107.7C3 for A
 TX Idalou 105.7A, Oct. 2-Nov. 1
 WV Lost Creek 98.3A, Sept. 28-Oct. 29
 WI Merrilli WMZK 104.1 C3 from A
 WI Shawano WOWN 99.3C3 from A

Digital Broadcasting Tests Occur In Canada; Can it Snuggle Into 88-108 Mz?

Across Canada, in various cities, tests of Digital Audio Broadcasting took place on TV channels 68 and 69. A modified 14-passenger school bus was used for mobile DAB demonstrations. It included a large rack-mounted DAB receiver and a component-type tuner for reception of regular FM broadcasts. The outputs of the receivers included both speakers and

headphones for individual passengers. Standard mobile whip antennae were used for both FM and DAB reception. In Toronto, for example, the tests of July 5 to 15 included broadcasts over both a DAB transmitter and an FM transmitter atop the CN Tower. The 99.1 frequency was selected for FM (thus accounting for reportings by FMedia! readers of hearing CKEY, CBC-FM, and CFTR AM [August, p. 3, column 3]). Tests were not to protect CKO's SCMO contract, but rather to provide instant testing of regular FM and DAB. Audio for those not hearing the signal properly was a "tick, tick, tick," while the video appeared as a whitish screen. The system does away with multipath interference, searching for the best signal to present to the receiver. When nulls exist, on-channel boosters can be employed with no danger of creating interference to the main station.

"At only 10 watts, with antenna gain of 10, the signal produced was clean and consistent; but, it quits at 8 dB carrier to noise ratio. . ." [An engineer connected with the project] said "he drove north up Yonge Street with a decoding system. He abruptly, within a few hundred yards, lost the perfect signal in Newmarket, approximately 30 miles (48 kilometers for you metric fans) north of the CN Tower. . . Due to the experimental nature of this test, the broadcast signals on ch. 68-69 and FM 99.1 were not assigned call letters."

The FCC is launching its own inquiry into DAB, calling for a broad inquiry into all aspects of the service and its potential impact on existing stations. Spectrum needs for DAB are expected to be addressed at the World Administrative Radio Congress in Spain in 1992. One possible way to accommodate DAB is through Mercury Digital Communications' MFM ("Multi-Frequency Modulation") which claims the ability to squeeze the DAB signal into the space of an FM radio channel, or for TV, into a 6-mz-wide channel. Neither President Tom Duffy nor developer Paul Moose would reveal how their system works, and they dodged questions as to whether or not the system would permit simulcasting opportunities for radio stations to use their existing frequencies along with MFM. Digital—we're hearing more and more about it, but nobody's forecasting where it will lead and whether, or how soon, it might replace FM (and AM).

Florida Throws Book at Mystery Pilot Thomas Root

A grand jury in Jacksonville FL has issued a 50-count indictment against former communications attorney Thomas Root. His plane had crashed mysteriously off the Bahamas last year. The indictment



Thomas Root already faces up to 35 years in prison and \$1.25 million in fines on his guilty plea to federal charges.

charges Root and three executives of Sonrise Management Services with racketeering, fraud, sale of unregistered securities and grand theft. Bond for Root has been set at \$150,000. According to the complaint, Root is accused in Florida of * Brokering interests in cellular mobile telephone licenses; * Marketing interests in FM radio license applications; * Marketing interests in construction permits for FM radio licenses; * Fraudulently funding Sportsquest, Inc., a Panama City FL entertainment corporation.

FM Takes Over AM for BBC Radio 2

BBC Radio 2 was to have converted entirely to FM as of last month. The reason for the change is the government's requirement for a new network in Great Britain to be known as Radio 5, using the existing Radio 2 AM transmitters of 693 and 909 kHz. Radio 5 will be devoted to sport and educational programmes. "For those who have not previously used the FM band for Radio 2, the programme is to be found between 88 and 91 mz, depending on the local transmitter (89.1 mz is in the London area, for example). The usual benefits of greatly superior reception, wide audio bandwidth and of course stereo (given a suitable FM stereo tuner or receiver) apply to Radio 2," according to BBC information.

NAB Asks FCC to Abandon FM Directional Antennas

Concerned about the prospect of interference among FM stations, the NAB has asked the FCC to reverse its 1988 decision allowing short-spacing via directional antennas and "contour protection" as a means of FM station allocations. The trade association of broadcasters cited efforts to repair the AM band—repairs resulting from widespread use of directional antennas which have actually added to interference on that band. Both NAB and National Public Radio agree that efforts to use d-as and contour protection have failed to avoid interference among educational FMs in the 88-92 mz range. The NAB says the FCC should return exclusively to distance separation standards as a tool for allocating stations. The engineering firm of du Treil, Lundin & Rackley; Greater Media; Mulaney Engineering and the Association of Broadcast Engineering Standards have all urged the FCC for a freeze on d-a applications. Gannett Broadcasting, licensee of WSSP 104.1 Cocoa Beach FL, opposes the application of contour protection rules in parts of the country where ducting is likely to occur. Ducting happens when stations great distances away can be heard clearly in a certain direction, often over extended periods of times, and is not to be confused with "skip," which is a sporadic phenomenon more common on FM frequencies during daytime hours in late spring and early summer.

More Stations Try Move-In Tactic

Several stations in Texas are attempting to convince the FCC they need new cities of license—often to areas from which they would not be able to reach their former cities. Look above at FM Rulemakings—Proposed for the latest. The Houston-area stations are owned by Roy

Henderson, who built KRTS 92.1 Seabrook, and sold KGLF 103.3 to create the KGLF-KUJO Houston superstation. Move-ins were created by an FCC rule that allows changes in cities of license without a station having to open its application to the competing applications of others for the same facility. Tom Gammon's Emerald Broadcasting has astutely capitalized on this, and is hopeful of being able to move both its WHMA-FM Anniston AL to near Atlanta GA and its KRWR 94.7 Carson City NV to near Sacramento. KRWR is limping along on an old transmitter, and has been off the air several days at a time recently. Cautions Gregg B. Skall of Baker & Hostetler, Washington communications attorneys: "The fact is that move-ins will continue to happen by more and more creative devices, and all broadcasters need to be sensitive to that fact. Many in the business are predicting that this method of allocation will be used more extensively to bring stations into medium-sized markets which have a need for service as a result of their stations having been drawn away to the bigger top 50 and 100 markets." Gammon's latest move is to buy WKKJ 93.3 Chillicothe OH, which he hopes to move to the Columbus suburb of Reynoldsburg OH. His proposal would create an upgrade in Lima and two new Class As in the area. A subsidiary of his has recently purchased KFFN 100.9 Sierra Vista AZ, which has potential to be moved in or near Tucson.

Other Small-Print Happenings and FM Industry News

Shortly after stating its 24-hour ban against indecent programming, the FCC slapped a \$10,000 fine against WFBQ (FM) 94.7 Indianapolis because of comments on the "Bob and Tom Show." Five programs in 1987 and 1989 prompted the fine.

Broadcasting obscene material even at 4 a.m. is no protection, as two teenage programmers at WMHB *90.5 Waterville ME found out. They were filling in for regular staff during the college vacation. A call to the state police by a female listener in Palermo ME resulted in campus security coming out and ordering the teenagers home. At about 4:50 a.m. EDT Aug. 28, a Tuesday, Derrick Corson was reading over the air lyrics from "The Stars and Stripes of Corruption," by Jello Biafra and the Dead Kennedys rock group. The officer came in and ordered him to "stop whatever you're playing. Take it off and get off the air and out of the station." Corson then announced, "Due to circumstances beyond our control we must leave the air." It remained off 15 minutes until more sanitized programming could get under way. Meanwhile, Corson and John Manzo have been suspended until the case can be studied. They have been forbidden to speak to the media under threat of a lawsuit from the college. Even though only the FCC and the licensee can legally shut down a station, this case shows what extreme action can result when a listener phones police and a sympathetic member of the force visits a station. Bob and Tom should take notice.

A new monophonic program source from purveyors of Muzak is available to stations for use overnight (10 p.m. to 8 a.m.). It's low cost and delivered in several formats in hi-fi via CDs and RDAT via a satellite. Formats are CHR, AC, new AC and light classical. For more information

call Steve Ward at Muzak, (800) 331-3340.

One of two Maine classical stations will be joining the country countdowns. It's WMCM 103.3 Rockland, bowing out of the c format with Verdi's "Requiem." It was launched as classical in July, 1989, but "wasn't able to garner enough advertisers."

A second shutdown of a pirate radio station, "WPFA" 91.9 Floral Park NY recently occurred. Joseph Sapanaro was fined \$1,500 for that station back in 1981.

The FCC has reversed itself after granting an FM station to WUMS 92.1 University MS. Trouble is, WUMS is on the air, and applicant David T. Murray will have to work out an interim operating agreement with the University of Mississippi Student Media Center (WUMS).

IMS News, a service for religious broadcasters, has shut down, having been in bankruptcy. The service had 200 radio station affiliates and was operated by United Family Foundation.

From the classifieds: FM Atlas-13 to be ready by late October. Manuscript was mailed to the printer Sept. 11. Advance orders \$10.95 plus \$1.05 shipping to FM Atlas, Box 336, Esko MN 55733-0336.

Radio producer/coordinator Superior Radio Network, half-time position at \$12,000 per year for public stations in northern MN and WI. Must have experience in native American communities. Send resume and work sample to Superior Radio Network, % KAXE, 1841 E. Hwy. 169, Grand Rapids MN 55744.

For sale Icom R-7000 25 mhz to 2 GHz all mode receiver (scanner) with built in speaker, \$1100 plus shipping (firm), B. Coleman, Jr., WIST (recently monitored in stereo), PO Box 460, Lobelville TN 37097; (615) 593-2978. I recently modified one of those receivers for FM-SCA with excellent results.

Alabama A&M University seeks donation of radio equipment for starting a non-commercial FM station. C. Haygood, PO Box 324, Normal AL 35762.

Motorola communications tower, 200' (61 m) on five acres "giving great coverage of the Duluth-Superior area." Only \$14,900. H. Koski, realtor, (218) 727-3794.

FM FORUM

CONTRIBUTORS FROM READERS

Walter Garrett sent information concerning new FMs in the Augusta area. With multiple applications for each channel and hearings expected, as well as construction delays, the earliest some of them may get on the air could be 1994. The big prize is a 50-kw allocation in Martinez GA, but 6 kw facilities are also available in Evans and Harlem. The Bible Broadcasting Network is one of two applicants for the Evans channel, while J. R. McClure (founder of KKKK 99.1 Odessa TX) is listed as the lone applicant for the Harlem station. In Atlanta ratings (spring Arbitrons), WVEE 103.3 was at the top, while the combined WYAY 106.7, WYAI 104.1 were eighth. WYAI only added .9 of a point, not enough to change the station rankings. Several area stations are sending taped messages to the troops in Saudi Arabia. FM stations are: WZGC 92.9, WKLS 96.1, WSB-FM 98.5 and WMKJ 96.7. It reminds me of my daughter on the college front lines in Lincoln NE. I sent her a taped message.

Two readers sent newspaper articles on Digital Audio Broadcasting, which largely repeat what has been published here. The FCC has begun an inquiry into possible spectrum needs for new technologies, including DAB, and whether it should be terrestrial or via satellite or both. Rep. Edward J. Markey (D-MA) is critical of the military. He'd like the government to release frequencies for emerging technologies, reasoning that the easing of international tensions means the military needs less spectrum. Predictably, the Department of Defense opposes Markey, claiming his bill would adversely affect U. S. national security. A spokeswoman said the Pentagon uses its frequencies "heavily and efficiently."

April's issue inspired California's Art Jackson to write and even send a cassette of various main channel and FM subcarrier programs in his area. "In Santa Cruz I drove by the Resource Center of the Blind. I stopped and dialed KPFA (*94.1 Berkeley) on my new high-power stereo and it came in so clear there that I went inside to visit the center and was invited to come back the next Friday for lunch and to demonstrate my SCA adapter and tell about KPFA and subcarriers. I did and even though some there knew of such a broadcast service, none knew how it was provided, so I let the cat out of the bag, revealing the secret of SCS subcarriers and specially-modified receivers to them. KPFA is not consistently strong in Santa Cruz County for reliable SCS listening or else they'd purchase receivers [to get the reading service to the blind]. I also told them how In Touch is available on two satellite channels. [In Oregon] they use the McMartin and an off-brand SCA closed-circuit unit but they are less than satisfactory, very expensive and the promised two or three-week waiting period from the supplier is often five months.

"When I heard about the Perry Stone controversy, I tuned to KSJO [92.3 San Jose] at times to see what it was all about. The guy was a genius to come up with so much funny new material every morning. He was irrelevant to all overly-sensitive groups who, if they could only laugh at themselves and with others, Stone's show could go a long way toward easing tensions. He was fired for teasing a girl scout on the air about pocketing her cookie money! Commenting on his firing, Stone said 'When you think of all I've said [bordering on obscene] and I get fired for this?' ... It's therapeutic to laugh about subjects so many people are uptight about."

"I regret the loss of KFAC AM and FM in L. A. KFAC AM 1330 used to reach up here (560 km). L. A. is now populated by so many millions of foreigners who don't appreciate white culture—as KFAC represented. I like classical music stations, but most bore their listeners with long, heavy, boring works. If they'd play more light classics they might become more popular. It's interesting that there are some low-power AM-only classical music stations, such as KSAC 1230 1000 watts in Sacramento. It is AM stereo, but who hears it? AM stereo receivers are almost non-existent. I have never heard it. Until recently KYTE 970 kHz 5000 watts in Portland was classical, AM only... I am hungry for AM news, even not FM related." The history of KCDS *89.9 Angwin CA is recounted:

It was a carrier current station on 660 with 10 watts in 1954, broadcasting evenings and carrying Sabbath (Saturday) services from the college chapel. "It mostly served the dorms, but could be heard in the community a mile away. At night there was much interference from a Mexican station on 660. It became 89.9 FM in the '60s with the call letters KANG and now KCDS, which some people pronounce 'KCBS.' KCDS lost a lot of coverage when KEFR Le Grand (near Merced) went on. There is gross interference, flutter, alternating reception and double talk from Fairfield to Sacramento and Stockton. KCDS should have protested.

"It was interesting how KPUP 540 AM claimed superiority of AM stereo over FM stereo... But it appears there will someday be a KPUP-FM at 104.5. Also Morgan Hill, near us, is getting an FM at 96.1." Included was a feature article on KMHD *89.1 Gresham OR, "one of the highest rated jazz stations in the United States. It maintains a positioning of 15 to 25 in a Portland market of 37 stations, where formats change as quickly as LPs on a deejay's turntable." It is also "the classroom for scores of students and volunteers headed for career radio," according to Roz Miller, writing in the *Portland Shopper*.

Until November, *Bruce Elving*

FMedia!

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Bruce F. Elving, Ph.D., Publisher
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A NEWSLETTER OF FACT AND OPINION ABOUT
FM RADIO AND RELATED TECHNOLOGIES—
FROM THE PUBLISHERS OF THE
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Volume 4, Number 10—October-November, 1990

New FM Station, Translator Grants

AL Fort Rucker 93.1 3000 h,v; 100 m, Sky Way
AK Sitka KSBZ 103.1 3100 h,v; 198 m, Sitka
Broadcasting Co. [A. A. Mobley
AZ Buckeye 106.9 3000 h,v; 91 m/
AZ Holbrook 92.1 3000 h,v; 100 m, Navajo
Bcstg. [Phoenix translator)
AZ Tucson K203AA *88.5 (KFLR 90.3/
KCDX-2 105.3 20 w booster of Kearny station
on 105.1 (but moving to 105.3)
AZ Tucson—Mt. Bigelow KCDX-1 105.3, 20 w
AR Clarksville KX10 106.9 3000 h,v; 100 m, J.
L. Richardson [Chicago IL, via satellite)
AR Jonesboro K206AB *89.1 (WMBI-FM 90.1/
CA Lindsay 103.3 530 h,v; 229 m, L. Bcstg.
CA Morro Bay 99.7 450 h,v; 299 m, M. B.
Investment Co.
CA Rohnerville (near Ferndale) 100.5 160 h,v;
525 m, North Star Communications
CA Santa Maria K218AF *91.5 (WMBI-FM 90.1
Chicago IL)
CO Alamosa K207AD *89.3 (WMBI-FM)
CO Lamar K207AC *89.3 (WMBI-FM)
FL Five Points (Lake City) 106.5 3000 h,v; 100
m, Carol J. Lamons [son radio, Ltd.
FL Marianna 93.3 3000 h,v; 100 m, Jack-/
FL Panama City W202AB *88.3 (WMBI-FM 90.1
Chicago IL)
GA Albany W202AE *88.3 (WMBI-FM) [Ltd.
GA Jeffersonville 97.5 3000 h,v; 100 m, ALP/
GA Waynesboro WAGW 107.1 3000 h,v; 100 m,
Clifford Jones [ilyn Pranno
IL Carterville 95.1 3000 h,v; 100 m, Mar-/
IL Christopher WUEZ 103.5 6000 h,v; 100 m,
Brandt Bcstg.
IL Farmington 95.7 3000 h,v; 100 m, R. M.
Mason [Metro Media of KY
IL Golconda 105.1 3100 h,v; 137 m/
IL Herrin 92.7 3000 h,v; 99 m, H. Bcstg.
IL Kankakee W205AD *88.9 (WMBI-FM 90.1
Chicago)
WKVF *91.1 1800 h,v; 93 m, K. Community
College [m, S. Kent Lankford
IL Newton 106.9 3000 h,v; 100/ [Mason
IN Bicknell WXSX 105.7 3000 h,v; 100 m, R. M./
IN Greenwood 106.7 3000 h,v; 100 m, Greater
Greenwood Bcstg. [G. R. Steckline
KS Augusta (Wichita) 104.5 3000 h,v; 78 m/
KY London 92.5 3000 h,v; 100 m, Ethel Huff
KY Paducah W211AJ *90.1 (WMBI-FM 90.1
Chicago IL)
LA New Iberia K213AE *90.5 (WMBI-FM)
MD Pocomoke City 106.5 3000 h,v; 100 m,
Transmedia, Inc. [mid Bcstg.
MI Whitehall 102.5 1700 h,v; 130 m, Pyra-/
MN Deer River KXGP 105.5 1000 h,v; 149 m,
Radio Ingstad

MN Granite Falls 93.9 3000 h,v; 100 m, J. Linder
MN Lakeville 105.1 1100 h,v; 147 m, Southern
Twin Cities Area Radio [P. M. McCabe
MN Paynesville 98.9 50000 h,v; 150 m/
MN St. Peter *91.5 8500 v[ertical only]; 183 m,
MN Public Radio [Triangle Radio
MS Columbus 94.9 29500 h,v; 150 m, Golden/
MS Lucedale WRBE-FM 106.9 3000 h,v; 84 m,
Allen Bcstg. [ma Communications Co.
MS Meridian 102.1 3000 h,v; 100 m, Charis-/
MO Cassville 100.1 1000 h,v; 151 m, the
Wodlingers [90.1 Chicago IL)
MO Kirksville K214AE *90.7 (WMBI-FM/
MO Ozark 92.9 3000 h,v; 100 m, Dorothy S.
Lemmon [Camdenton)
MO Rolla K212AG *90.3 (KCVO 91.7/
NE Bassett KMNE-FM *90.3 100000 h,v; 394 m,
NE Ed. Telecom. Comm., to be \$
NE Chadron *91.9 8400 h,v; 103 m, NETC, \$
NE Merriman *91.5 100000 h,v; 294 m, NETC, \$
NE North Platte *91.7 16400 h, 18100 v; 257 m,
NETC, \$ [Albuquerque)
NM Artesia K218AK *91.5 (KLYT 88.3/
NY Canandaigua *88.9 200 h,v; 274 m, Family
Life Ministries, g [Public Telecom.
NY Oneonta *91.7 680 h, 2800 v, 146 m, WSKG/
OH Columbus W201AK *88.1 (WCDR 90.3
Cedarville)
OH Lima 93.1 3000 h,v; 100 m, American
Christian Radio Service, to be g
OK Byng (Ade) 100.1 50000 h,v; 150 m, Central
OK Communications [Eads Bcstg.
OR Brownsville 102.3 350 h,v; 293 m/
OR Gleneden Beach 100.7 8400 h,v; 357 m,
Stephanie Linn [m, Temple U.
PA Harrisburg WRTQ *88.1 260 h,v; 66/
PA Mountaintop (Wilke-Barre) 97.1 3000 h,v;
100 m, Fairview Communications
TN Lawrenceburg 97.5 1800 h,v; 128 m,
Prospect Communications [da Chandler
TN St. Joseph 101.5 3000 h,v; 100 m, Bren-/
TN Smyrna 94.1 3000 h,v; 100 m, S. Bcstg. Corp.
TX Beaumont 102.5 50000 h,v; 150 m,
Beaumont Skywave, Inc.
TX Brenham K220AF *91.9 (KSBJ 89.3 Humble)
TX Huntsville 94.9 3000 h,v; 100 m, Helen M.
Casey [90.1 Chicago IL)
TX Paris K209AH *89.7 (WMBI-FM/
VA Danville W210AD *89.9 (WMBI-FM)
VA Marion *91.9 3200 h,v; 454 m, VA Tech.
Foundation
WA Seattle (Alki Beach) K201-- *88.1 (KPLU
88.5 Tacoma), on air. "Alki Point in West
Seattle is down a steep bluff on the water-
front and needs this along with the KISW
99.9, KZOK-FM 102.5 and KIRO-TV 7
translators to get clear signals."

WY Cheyenne K204AC *88.7 (WMBI-FM 90.1
Chicago)

ON Toronto 92.5 89500 h,v, to be k, \$, Rawico
Ltd., one of 11 applicants for this frequency.
With CFGM 640 AM going to "hard rock"
from country, the CRTC reasoned there is a
need for a country FM station in Toronto.
Loser Milestone Communications, Ltd. has
appealed the decision, contending a station
for blacks is more needed. "As blacks we may
be visible, but unhappily we are used to being
overlooked."

BN Tijuana XHTIM 103.3 h,v; \$, ml, "Stereo
Rey" ("stereo king"), "causing interference
to us" [KJQY 103.7 San Diego].

Temporary Station

BC Vancouver VFN--- 91.3, mono, with simul-
cast of CBC-TV audio coverage of the
Molson-Indy Cart Race, 10 w, intended for
race patrons only. Local reporter was able to
find a few spots "32 km away in the pickup.
K217AY *91.3 Orcas Island covers Vancou-
ver quite well, so this reduced its coverage.
Station only on during actual race; otherwise,
carrier off. No calls heard. I got the prefix
from the DOC, but forgot the four numbers
afterward."

Call Letters Assigned

AL Decatur *91.7 WYFD (WBQM)
AL Florence 96.1 WXFL
AK Anchorage 92.9 KWQJ
AZ Sierra Vista 101.7 KXHC
AR Booneville 104.7 KEZU (KBSS)
AR Lowell 101.9 KISK
AR Marked Tree 93.7 KXHW
CA Burney *89.7 KNCA
CA Ford City 102.1 KZPE
CA Fort Bragg 96.7 KZPB
CA Indio 102.3 KRCQ
CA Laleport 98.3 KXBX-FM (KXBX)
CA Orland 106.5 KXHM
CA Sacramento *88.9 KXJZ (KXPQ)
*89.7 KXHV
CA San Luis Obispo 97.1 KWQH
CA Shafter 104.3 KXHA [to WTKZ)
DC Washington 100.3 WDJY (not changing/
FL Bonita Springs 96.1 WRXK-FM (WRXK);
AM is in N. Fort Myers [Tallahassee
FL Lafayette 99.9 WHKX (WQHI), k, ID with/
FL Mount Dora 107.7 WMGF (WJYO), "Magic"
FL Palm Bay *88.5 WJIK
FL Tallahassee *88.9 WFSU'-FM" (WFSQ),
heard testing in stereo as of 9-18
*91.5 WFSQ (WFSU), correctly turns off its
stereo generator for non-music programs
GA Augusta 102.3 WOPW (WGUS-FM), "Power

102"
 GA Blakely 93.1 WDKZ (WBBK-FM), still k
 GA Gordon 107.1 WMRW (WYGO-FM)
 GA Griffin 97.7 WQUL (WKEU-FM), o, '97.7
 Kool FM, SMN Kool Gold, ID with Jones-
 boro
 GA Ocilla 98.5 WSIZ-FM
 HI Wailuku 95.1 KAOI-FM (KAOI)
 IL Carlinville 95.9 WCNL
 IL Mahomet 105.9 WRZT
 IL Peoria 92.3 WBGE
 IN Anderson 98.7 WQME; out of sequence, FM
 Atlas-13, p. 108
 IN Lebanon 100.9 WIRE (WBCI)
 IN South Bend 106.3 WGRT
 IN Tell City 96.9 WXSC
 IN Terre Haute *88.5 WXKF
 IA Des Moines 93.3 KIOA-FM (KDWZ), o,
 simulcast with 940 AM. "This is the third
 FM/AM simulcast combination in the
 market—effectively giving it three fewer
 stations."
 IA Eldora 99.5 KXGA
 IA Northwood 102.7 KYTC (KPLW). "I'm
 selling it for over \$200,000; at age 66, I won't
 have any more money worries in my life."
 KS Topeka 107.7 KMAJ-FM (KMAJ)
 KS Wellington 93.5 KWME (KZED)
 LA Alexandria 93.9 KWQI [MA Boston 96.9
 LA Arcadia 92.5 KWQN [WCDJ (WJIB), i,
 LA Erath 107.7 KXKW (KRAR) [CD 96.9
 LA Vivian 95.7 KNCB-FM
 ME Fairfield 93.3 WEZO (WUMH)
 ME Thomaston 106.9 WAVX
 MD Federalsburg 107.1 WDLE-FM (WDLE-
 FM), but station is silent; may be bought by a
 former employee [h.v.; -32 m
 MA Amherst 100.9 WRNX (WHCI), to 6000/
 MI Benton Harbor *94.9 WXS
 MI Lapeer 103.1 WWGZ-FM (WWGZ)
 MI Marquette 103.3 WFXD (WRUP)
 MN Fosston 107.1 KKQF-FM (KKDQ)
 MN St. Cloud 104.7 KCLD-FM (KCLD-FM;
 AM gets new calls)
 MN Thief River Falls 99.3 KKDQ (KKAQ)
 MS Houston 93.3 WSYE (WCPC-FM), rm,
 "Sunny"
 MO Ash Grove 104.1 KZPD
 MO Boonville 99.3 KCLR-FM (KDBX); KCLR
 AM is in Ralls TX
 MO Perryville 93.1 KBDZ (KRAA)
 NE Lincoln 105.3 KXGH [p, "Z-Rock"
 NV Incline Village 100.1 KZAK (KLKT)/
 NM Albuquerque 101.3 KWQK
 NM Dulce *90.5 KCIE (KJAT)
 NY Avon 93.3 WXME
 NY Hoosick Falls 97.5 WNGN
 NY Lake Luzerne 94.7 WZBR
 NY Mount Hope *90.1 WXHD (WDHZ)
 NC Fairmont 100.9 WSTS (WZYZ), g, "southern
 gospel" [Drake easy listening
 NC Shallotte 106.3 WCCA (WPGO), b,/
 OH Cadiz 106.3 WWYS (WFNN)
 OH McArthur 98.7 WXM
 OH Ripley 99.5 WXKD
 OH Upper Sandusky *90.1 WXML
 OR Bend 105.7 KQAK (commercial; from
 noncommercial *KWBX)
 OR Lake Oswego 106.7 KMXI (KMJK); no

format change, now mis-IDs as "KMIX"
 OR North Bend 107.3 KACW (KPQA)
 PA Berwick 103.5 WZWB
 PA Johnstown 96.5 WKQS-FM (WJNL-FM), r
 (AC/oldies), "Kiss"
 PA Meyersdale 93.3 WQZS
 PA Mount Carmel 99.7 WXXM
 PA Tunkhannock 107.7 WYMK (WEMR-FM), r,
 \$, with author Peter Hunn, Fulton NY, a part
 owner. Came on air last month.
 SC Bishopville 93.7 WXMA
 SC Easley 103.9 WLWZ-FM (WLWZ); AM is in
 Spartanburg
 SC Parris Island 92.1 WOCW (WBHH)
 SD Salem KIKN (KSML)
 SD Sioux Falls 103.7 KRRO (KKRC)
 TN Calhoun 104.1 WXSE (WCLE-FM)
 TN Donelson WAMB-FM1 106.7 125 m, (75
 watts,h.v) d-a to the SSE ("matching the AM
 night pattern"), to be \$, m. "Operation will
 be sunset to sunrise, nighttime only."
 Expected on air soon. . . to help resolve
 problems WAMB AM has had with nighttime
 Cuban interference on 1160 kHz, by "special
 temporary authority" of the FCC. "Even if
 this particular STA is a one-time-only action,
 it demonstrates a willingness on the part of
 the current FCC to bend its rules and
 assumptions in order to help out where it can.
 This should be encouraging to anyone who
 has a serious problem and who is ingenious
 enough to come up with a novel solution."
 TN Henderson 107.7 WHHM-FM
 TN Manchester 99.7 WQLZ (WMSR-FM), silent
 pending sale
 101.5 WFTZ
 TN Seymour 96.3 WJBZ
 TX Bay City 96.1 KXGJ
 TX Beaumont 94.1 KQXY-FM (KQXY-FM;
 AM in Nederland gets new calls)
 TX Brownsville 100.3 KTEX (KTXF), still
 "K-Tex 100"
 TX Bryan 99.5 KBMA [Breeze, new AC
 TX Galveston 104.9 KRTX (not KGWV), r,j/
 TX Kenedy 92.1 KTNR (KKCR calls not used)
 TX Liberty 99.9 KSHN
 TX Muenster 106.5 KXGM
 TX Rosenberg 104.9 KMIA (KFRC-FM), Spanish,
 l, Tejano (Spanish-Texas music); "Radio
 Mia," ID with Houston
 UT Salt Lake City 103.5 KRSP-FM (KRSP-
 FM; AM in South Salt Lake gets new calls)
 VT Derby Center 92.1 WMOO, to be o, Drake
 VT Rutland 94.5 WHWB-FM (WKLZ), k
 VT Sunderland 95.1 WJAN
 VA Chase City 99.9 WFXQ
 WA Camas 94.7 KWQM
 WA Dishman 106.5 WQQL
 WA Goldendale 102.3 KZPC
 WV Clarksburg *90.1 WZWA
 WV White Sulphur Springs 93.3 WXMD
 WI Brillion 96.3 WEZR (WLWR) [h.v (72 m)
 WI Lancaster 97.7 WGLR-FM (WAXL), to 3900/
 WI Spooner 106.3 WXMG
 WI Sturgeon Bay 99.7 WHET (WQZZ)
 NS Halifax (Bedford) 96.5 CIEC, "96.5 Sun
 FM," and owned by Athur J. Hustins, Jr.,
 with its easy-listening automation system
 computer controlled by touching a color bar

on the screen

Facilities Changes Granted

AL Haleyville WJBB-FM 92.7 100 m (3000 h,v)
 AL Scottsboro WKEA 98.3 2400 h,v (160 m)
 AL Tuscaloosa WTUG 92.9 (from 92.7) 12500
 h,v; 299 m
 AZ Glendale KCWB 103.5 46200 h,v; 740 m
 AR Greenwood KZKZ 106.3 3500 h,v (133 m)
 AR Lake Village KUUZ 95.9 6000 h,v (100 m)
 AR Monticello KHBM 93.5 3200 h,v (104 m),
 adds vertical polarization
 CA Long Beach KLON *88.1 30000 h,v; 129 m
 CA McFarland KSUV 102.9 25000 h,v (100 m),
 B1, still mono
 CA Pleasanton KSAN-1 94.9 300 h—may result
 in deletions of KSAN-2 Walnut Creek and
 KSAN-3 Danville, as the newly-improved
 KSAN-1 will serve all three areas
 KSOL-1 107.7 300 h
 CA Quincy KQNC 102.1 (from 101.9) 1900 h,v;
 645 m, but so far "no sign of KQNC on
 102.1," even though Shingle Springs has
 moved (see below)
 CA Riverside KUCR *88.1 750 h,v; 89 m, A
 CA San Jacinto KWPR 96.1 60 watts h,v; 464 m
 CA Shingle Springs KLIQ 101.9 (from 102.1)
 4100 h,v; 252 m, B1
 CA Temecula KRTM *88.9 2450 h,v; 100 m
 CO Carbondale KDKN *90.5 220 h,v; 853 m
 CO Pagosa Springs KRQS 106.3 260 h,v (390 m)
 CO Security KBZE 105.5 410 h,v (680 m), C3
 CO Vail KSKE-FM 104.7 239 m (100000 h,v)
 FL Cocoa WLRQ-FM 99.3 50000 h,v; 150 m, C2
 FL New Smyrna Beach WJLU *89.7 340 h,v; 100
 m
 GA Cleveland WGGA-FM 101.9 3200 h,v (100
 meters above average terrain)
 GA Eastman WUFF-FM 92.1 4600 h,v; 111 m
 GA Valdosta WZLS 96.7 50000 h,v; 150 m, C2
 GA Waynesboro WYFA *100.9 6000 h,v; 100 m
 HI Kailua-Kona KLUA 93.9 (from 93.7 and
 before that 93.5) 40000 h,v; 892 m, C
 ID Grangeville KORT-FM 92.7 360 h,v; 717 m
 IL Aurora WYSY-FM 107.9 21200 h,v; 232 m
 IL Bethalto WXJO 95.5 6000 h,v (100 m), m,
 SMN standards
 IL Flora WNOI 103.9 3300 h,v (91 m)
 IL Normal WGLT *89.1 25000 h,v; 115 m
 IN Attica WBQR 95.7 4100; 118 m
 IN Earl Park WBN 98.1 (from 98.3) 25000 h,v;
 100 m, B1 [50000 h,v; 127 m, C2
 KS Hiawatha KNZA 103.9/ [73 m (3000 h,v)
 KY Liberty WKDO-FM 98.7 (from 105.5)/
 LA Lake Providence KLPL-FM 92.7 2000 h,v; 44
 m; CP for location change forfeited [m)
 MD Prince Frederick WMJS 92.7 2100 h,v (172/
 MA Lawrence WCGY 93.7 31000 h,v; 195 m
 MI Big Rapids WBRN-FM 100.9 6000 h,v; 97 m
 MI Bloomfield Hills WBFH *88.1 360 h,v; 55 m,
 d-a, Class A
 MI Glen Arbor WMLB 98.1 7900 h,v; 180 m, C3
 MI Lansing WJIM-FM 97.5 50000 h,v; 150 m,
 adds v
 MI Pinconning WLFS 100.9 2600 h,v (151 m)
 MI Tawas City WDBI now on 107.3 (from 101.7)
 MI Zeeland WJQK 99.3 4700 h,v; 113 m
 MN Northfield WCAL-FM *89.3 97600 h,v; 308
 m, transmitter Rosemount MN, closer to the
 Twin Cities [h.v; 102 m, C3
 MN Thief River Falls KSRQ *90.1 24000/
 MS Gulfport WGCM-FM 102.3 25000 h,v; 91 m,
 C3
 MS Picayune WZRH 106.1 (from 106.3) 50000
 h,v; 150 m
 MO Sparta KLTQ 96.5 3200 h,v (138 m)
 MO Willard (new) 105.1 (from 100.5) 46000 h,v;
 156 m, C2
 MT Missoula KZOQ 100.1 12000 h,v; -60 m
 MT White Sulphur Springs K252AD *98.3 has
 KUFM 89.1 Missoula on it (not KGPR *89.9
 Great Falls). KGLT Bozeman is "working on
 getting a translator in Livingston MT."
 NE Bennington KRRK 93.3 3600 h,v; 130 m, d-a
 NV Moapa (Valley) K257--99.3 (from Logandale)
 NH Manchester WGIR-FM 101.1 11500 h,v; 313

From "Changing Times," Nov., 1990: "Time was when car radios didn't even have an FM band. AM was king. Now AM just isn't out of favor; it's sick. About 150 AM stations have gone silent the

RADIO SHARE OF ALL ADVERTISING REVENUE

RADIO [Canada]

YEAR	SHARE
1980	10.4%
1982	10.1%
1984	9.5%
1986	9.0%
1988	8.7%

last few years. Hundreds more are for sale, and takers are few. . . "For the first time in years, prices are down to where you or I could play this game," said Robert Unmacht, a former AM station owner, now editor of the "M Street Journal." Unmacht believes AM broadcasters need to look at niche program formats, such as information for home buyers, investors or children.

FM Rulemakings Proposed

First date is deadline for filing comments at the FCC; second date is for replies. Stations affected, if any, are listed before the dates.

- AL Marion 97.3A to Orville (Selma) AL from 97.5A, WJAM, Nov. 30, Dec. 17
- AK Nome 96.1A, Dec. 10, 26 [3, 18]
- CA Central Valley 99.3C3 for A, KNNN, Dec / CA Morro Bay 94.1A, Dec. 10, 26
- FL Cypress Lake 104.9A counterproposal
- FL Key Largo 103.9C2 from A, WZMQ, no dates given
- FL Steinhatchee 103.1A counterproposal
- FL Westby 104.3A counterproposal
- GA Dock Junction 105.9C3 for A, WXMK, Dec. 3, 18
- IA Winterset 99.5C3 from A, KTDG, Dec. 10, 26
- KY Bowling Green 96.7C3 for A, WCBZ, Dec. 10, 26 [dates given]
- KY Cave City 103.7C3 for A, WHHT, no / ME Dexter 102.1C2 for A, WGUY, Dec. 10, 26
- MD Oakland 92.3A for 92.1A, WXIE, Dec. 10, 26 [7, 24]
- MI Grand Rapids 98.7A for 98.9A, WXJI, Dec / MI Pickford 105.5A, Nov. 5, 20
- MI Traverse City 104.5A, Nov. 5, 20
- MN Wabasha 102.5C3 at Lake City, KWMB, Nov. 5, 20
- MS Brooksville 98.9C3, Dec. 19, 26
- MS Quitman 98.9C3 for 98.3A, WYKK, Dec. 10, 26 [Nov. 5, 20]
- MO Birch Tree 107.1C3 for A, KBMV-FM / MO Otterville 107.7A, Nov. 5, 20 [26]
- MO Sikeston 97.9C3 for 97.7A, KSTG, Dec. 10 / NM Mora 92.9A, with Socorro
- NM Socorro KMXQ 104.7C to Bosque Farms (Albuquerque) NM, counterproposal
- VA Marion 103.5A, Nov. 5, 20
- VA Rural Retreat 95.3A from 103.1A, WCRR-FM, "show cause/why not?"
- OH Chillicothe WKKJ 93.3B to Reynoldsburg (Columbus), counterproposal
- OH Forest 93.1A, with Reynoldsburg
- OH Lima (new) 99.3A from 93.1A with Reynoldsburg
- OH Peebles 93.1A, with Reynoldsburg

FM Rulemakings Finalized

Dates are when FCC filing windows are open

- AL Brantley 100.3A, Nov. 27-Dec. 27
- AL Guntersville WTWX 95.9C3 from A
- AL Tuscaloosa WTUG 92.9C1 for 92.9C2
- AK Dillingham 99.1, Nov. 17-Dec. 17
- AZ Yuma KTTI 95.1C from C2
- AR Forrest City KBFC 93.5C3 for A

- AR Hampton KKOL 106.5C3 from 107.1A
- AR Helena KCRI-FM 103.1C3 from A
- AR Lake Village 103.5A, Dec. 4-Jan. 3, 1991
- AR White Hall 104.5A, Nov. 30-Dec. 30
- AR Wynne KQYN-FM 92.5C2 from 92.7A
- CA Barstow KDCU 94.3B1 for A
- FL Century WKGK 105.1C3 for A
- FL Holmes Beach WAPY 98.7C3 from A
- FL Key Colony Beach WKKB 105.5C2 from A
- FL Newberry WNFQ 100.5C3 for A
- FL Oak Grove dismissed bid to add 104.5A
- FL Rockledge dismissed WKHR's bid for 102.7C2 from A
- FL Vero Beach WAVW 101.7C3 from A
- FL Watertown WQLC 102.1C3 for A
- GA Americus WDEC-FM 94.7C3 for 94.3A
- GA Greenville 95.7A, Nov. 26-Dec. 26
- GA La Grange dismissed 95.7A bid
- GA Royston WPUP 103.7C3 from A
- GA Statesboro WUUF 102.9C3 for A
- GA Sylvania 106.5A, Nov. 9-Dec. 10
- GA Tennille 99.9A, Nov. 27-Dec. 27
- HI Kekaha KAU1 103.3C1 for A
- IL Arcola 107.9A, Nov. 27-Dec. 27
- IL Benton WQRL 106.3B1 from A
- IL Gardner dismissed 102.5A bid
- IL Le Roy WRXZ 104.1B from B1
- IN Seelyville 95.9A, Nov. 14-Dec. 14
- IN Veedsburg 92.9A, Nov. 17-Dec. 17
- IA Asbury 103.3A, Nov. 17-Dec. 17
- KS Hutchinson KIU9 97.1C3 from A
- KY Barbourville WYWY-FM 96.3A from 93.5A
- KY Carlisle 100.7A, Nov. 29
- KY Glasgow WOVO 105.3C3 from 105.5A
- LA Abbeville KROF-FM 105.1C3 from 104.9A
- LA Columbia KCTO-FM 103.1C3 from A
- MD Ocean City 106.9A, Nov. 26-Dec. 26
- MI Ashley 92.5A, Dec. 3-Jan. 2
- MI Newberry WUPQ 97.9C1 for C2
- MN Mora KBK 95.5C3 for 95.3A
- MS Indianola WDLJ 96.9C3 from A
- MS Louisville WLSM-FM 107.1C3 from A
- MS West Point dismissed WKBB's bid for 100.9C3 from A
- MO St. James KZYQ 99.7C3 from 99.5A
- NM Espanola KMIO 102.3C3 from A
- NY Brockport 105.5A, Nov. 20-Dec. 20
- NC Fuquay-Varina WNNN 103.9C3 for A
- ND Arthur 96.7A, Nov. 20-Dec. 20
- OK Durant KLBC 107.1C2 for A
- OR Lincoln City 95.3C2, Nov. 20-Dec. 20
- PA Oil City 96.3A, Nov. 20-Dec. 20
- SC Denmark dismissed 95.7A bid
- SD Brookings KGKG 93.7C1 from C2
- SD Chamberlain dismissed 101.9C1 bid
- TN Athens WJSQ 101.7C3 from A
- TX Clifton KWOW 103.3C3 for A
- TX Franklin new 101.9A from 98.9A
- TX Lampasas KLTD 98.9C1 from 99.1C1
- UT St. George 95.9C, Dec. 3-Jan. 2
- VT West Rutland WRUT 107.5C3 from A
- VA Big Stone Gap WAXM 93.5C2 from A
- VA Coeburn 99.7C3 for A, WZQK
- VA Pulaski WPSK-FM 107.1C3 for A
- WA McCleary 96.9C3, Nov. 26-Dec. 26
- WI Hayward dismissed WRLS's bid for 92.3C3 for 92.1A

FCC is Coy on Telling Stations When They Can Build

Question arose when I mentioned to a Wisconsin station, WRVM 102.7 Suring, that they may be in violation of FCC rules in constructing a tower base and transmitter building before getting the federal construction permit. This caused Wendell Baxter, general manager, to ask some rather direct questions of the FCC. "We immediately got on the telephone and called the Operations Bureau in St. Paul. He said that he thought we were in bounds in constructing the transmitter building. I asked him for a letter so that

we would have something in our files. He backed off a bit and said they do not send letters from that office and suggested that I call the FM branch at the FCC and ask for an engineer, which I did. I explained to this engineer the condition of our aging tower and the problem with the tower leg and our urgency for construction, and asked him if we could build the transmitter building, and then he volunteered the information that if we wanted to we could go ahead and pour the tower base and put in the anchors. He explained that no steel must go up. The tower can be there laying on the ground but no steel must be erected, otherwise, the construction permit would not be granted. I asked him for a letter so we would have something in our files, and he said that he is giving what is called an "informal opinion," which I placed in our telephone log. He further told me that he carries a lot of weight in that department.



Wendell Baxter

for the tower base and the anchors. We do appreciate very much your concern and your note to us. Please pray for this project."

Digital Audio Broadcasting—Is It All It's Cracked Up to Be?

From what I've been reading, I'd say no. But first, a summary of what's new on the DAB front. Dr. John Abel, VP/ operations-NAB, cites the advantages of DAB: better frequency response and sound quality, no multipath interference, low power requirement and spectrum efficiency. The NAB's DAB Task Force is researching the spectrum with an eye to accommodating all existing AM and FM stations, and the NAB has issued "Digital Audio Broadcasting: Status Report and Outlook." Price and ordering information from NAB Services at (800) 368-5644.

On the heels of the NAB's inquiry about spectrum is the FCC, which has proposed three possible bands in which DAB might be accommodated (all stated in mhz, or megaHertz [megacycles per second]): 728-788; 1493-1525; 2390-2490. The first group, 728 to 788 mhz, would involve UHF TV channels 58 through 66, and the need to share that part of the spectrum, which might work for terrestrial DAB, but from a satellite might cause havoc to TV stations. In the case of 1493-1525 mhz, aeronautical mobile telemetering spectrum users would have to move to 2390-2450 mhz.

A more sobering aspect of DAB, versus FM, appeared in the form of a letter to the editor of *Broadcast Technology* maga-

zine from one Timothy Brown, Aurora ON, who says, in part: "I believe the radio broadcast industry has grown insensitive to audio signal integrity in the last 10 to 15 years, due to groundless belief that signal compression provides a psycho-acoustical inducement for listeners to tune in. It has become commonplace for commercial FM broadcasters, regardless of format, to over-process a station's audio to the point where an unpleasant, harsh distortion results. This 'wall of noise' approach removes musical texture, destroys stereo imaging and pumps up mid-range sounds at the expense of bass and treble. With that sort of sonic fatigue, it is no wonder that the once loyal radio audience has chosen cleaner-sounding alternatives like the compact disc, DAT and even stereo Music Television.

"DAB appears to have some very exciting advantages over conventional radio broadcasting techniques. As we look over our shoulders at this looming technology, we are forgetting that a well-engineered FM broadcast signal can provide sound that is surprisingly close to that of the source material."

This all leads to the following caveats I see regarding DAB: ■ DAB appears to be an "all-or-nothing" signal with no fringe area; reception beyond 30 miles, especially on a car radio, may be impossible. Tests in Toronto indicated that reception fell off dramatically at 48-50 km. ■ DAB, as proposed, will be exclusively for broadcasters who already are entrenched with AM and FM stations; there will be no (or very little) room for newcomers—or for new DAB services as market needs, such as expanding populations, develop. ■ Suburban and rural places may not benefit from DAB, and opportunities for upgrades to serve nearby larger cities may not exist as they now do on FM. ■ Opportunities to provide service and to profit from subcarriers will not exist with DAB, as they do with FM. Rather than looking for DAB to replace FM, I would expect it to be supplementary to FM, and perhaps never surpassing the FM system in total audience. FM, with good engineering, is capable of producing as good audio as virtually anybody can hear. DAB, being a "bundled" service, could only grow in an area when a group of broadcasters want to take to the air—perhaps 16 or so at one time. It will be cumbersome to regulate and will stymie individual entrepreneurship, as well as making pirate broadcasting, or low power FM via translators more difficult to do. A good way for DAB to develop, if technically possible, would be for it to exist on one of the subcarriers of an FM station, companded and retrieved in the receiver to reproduce the program digitally as DAB, or in analog form as a regular FM station.

Other Small-Print Happenings and FM Industry News

The FCC's \$35 fee for a radio operator's permit will not be rescinded, this despite efforts by the National Federation of Community Broadcasters. So now kids who come in and work parttime at a commercial station or those who volunteer at a public station will have to pay that fee. It might result in less volunteerism, which goes against one of George Bush's goals for a kinder, gentler nation.

KILL *90.1 Porcupine SD, one of the nation's few native American-owned media voices, is in a financial crisis. It faces a shortfall of up to \$150,000 from its budget of \$300,000. These problems caused the resignation of the station manager and reduction of fulltime staff from 12 to five, with remaining employees taking a 25 percent pay cut. Acting station manager Tom Casey hopes an upcoming fundraiser will bring relief.

Interview famous people and write a book about it. That's what Alan S. Chartock, director of WAMC *90.3 Albany NY is doing. His book, *Me and Merio: The Radio Show*, is based on seven years of interviewing NY governor Mario Cuomo. Chartock's manuscript is 500 pages, slowly compiled amidst having to do station fundraisers and acquiring new FM outlets. Herein might lie opportunities for other broadcasters having regular access to governors or other national newsmakers. Or might it be because Cuomo is a person from a big state, and a person believed to have presidential aspirations?

The subject of what I call "inadvertent directionality" has come up in a request to the FCC by the firm of Hammett and Edison, which notes that the way an antenna is mounted can produce significant distortions in field signal. Comments on the request (DA 90-1467) should be filed with the FCC by Nov. 19; replies due by Dec. 3.

WWOZ *90.7 New Orleans, now under the auspices of the Jazz and Heritage Foundation, is realizing an increased contribution from that group—\$150,000 in fiscal year 1991, up from less than \$50,000 last year. The \$150,000 is a major part of the station's budget of \$200,000.

A new digital broadcasting service for Africa, Afrispace, Inc., is organizing some form of digital broadcasting, but not necessarily DAB. It has issued a call for proposals to have 100,000 digital satellite radios built for 1993 delivery.

Public radio tying up of local frequencies to be a thing of the past? As more and more public broadcasters opt for not just an AM-FM combination in a market, but combinations of FM-FM and TV-TV stations, questions of diversity, or its lack, in the marketplace can be heard. The FCC has not looked at the diversity of media in public broadcasting since 1967, although it made a proposal in 1979 to require divestiture of two or more FM stations owned by the same school. This proposal was allowed to die. Public broadcasters argued that they were more likely to serve the public interest by operating several local stations. A case in Baton Rouge LA is giving this whole issue a new twist. An FM channel there—*88.5 mhz—is hotly contested by Real Life Educational Foundation and Jimmy Swaggart Ministries. The FCC Review Board hearing the case referred the diversification issue for consideration to the full FCC. FCC commissioners could decide to take up the matter or refer it back to the Review Board. Action is expected by early 1991. The issue now before the FCC is: "Should the co-ownership of other media 'voices' (commercial or noncommercial) now be recognized as a comparative factor in contests for noncommercial frequencies?" Opposing any change in the rule are National Public Radio, KAET-TV and radio Phoenix AZ, 12 multi-station organizations and state networks. KAET is trying to obtain a noncommercial radio station.

Alleging EEO violations and given conditional license renewals and/or fines up to \$5,000 were FL stations WHDQ Orlando, *WFSU (now WFSQ) and WTNT Tallahassee, WCTQ Venice, and WLLV Daytona Beach. WCVU Naples (and its AM) got a \$15,000 fine and a short-term renewal of three years.

The FCC denied a request by Long Island Music Broadcasting to dismiss the other applicants for 103.1 in Bay Shore NY. The channel is short-spaced to WDRF-FM 102.9 Hartford CT, and LIMB claims to have exclusive use of a lighthouse, which it said is the only possible transmitter site which would fit under the rules.

Thomas Root, communications lawyer who has been involved in questionable dealings regarding FM applications, has pleaded no contest and given a 15 year prison sentence and \$5,000 fine in NC. Under a plea bargain, he has agreed to testify against others in alleged securities scams.

WNCB *89.1 Duluth MN, a contemporary Christian station, has been evicted from the basement of its operator, Jeff Stromquist, because of zoning violations. Neighbors complained about volunteers parking and blocking access to their mailboxes and interference to television reception. Station now housed in a nearby office building. Relocating to the commercial district will cost WNCB \$3,000 in annual rental fees. Operating the station from his home was a personal sacrifice "that made the ministry viable."

In Australia, stations "are hopping like kangaroos to convert from AM to FM," reports Karl Zuk in *Monitoring Times*. "Australia is slowly opening the FM band with a few frequencies allocated for each major city. The new licenses are being auctioned off to the highest bidder, and stations are expected to pay up to 40 million Australian dollars to make the switch. The investment seems to pay off. Radio station 3KZ in Melbourne became KZFM last year and went from fifth to first in audience ratings. 5KA (now KAFM) in Adelaide and 4BK (now B105) in Brisbane made similar jumps. Unfortunately, the Australian government is not assigning enough FM frequencies for everyone to convert to a superior signal." Station owners are bitter about how the licenses are being granted. Managing director of KZFM in Melbourne, Les Heil, said "There is something very distasteful about being taken for the right to use improved technology when the only alternative is eventually to go broke."

From the classifieds: WCFE-FM is a brand-new public radio station in extreme NE NY state, located with WCFE (TV-57), looking for 1) radio operations manager; 2) producer—news and public affairs; 3) producer—music; 4) development/promotion assistant; 5) administrative assistant. For more information write Mary Lou Finnegan, WCFE, 1 Sesame St., Plattsburgh NY 12901. EOE.

Wanted late model 1 kw AM transmitter, no junk; also need one, single bay CP FM antenna on 93.3 mhz and one 6-bay on 100.3. Looking for CPs, turnarounds and dark stations. Larry Fuss, PO Box 159, Fayetteville GA 30214; (404) 460-6159.

For sale McIntosh MR-65B tube stereo tuner, works well. P. Wells, KJQY, 625 B'way, San Diego CA 92101; (619) 238-1037.

High quality micro-miniature 67 kHz SCA decoder, about 1" square, prewired and ready to install, \$15. D. Jackway, 5472 Fair oak, Springfield MO 65810; (417) 881-1846.

For sale Class B FM, northern CA, good revenue, R. Trumbo, KNLF, Box 117, Quincy CA 95971.

Investors for new FM stations in midwest and west coast, must have minimum of \$50,000 cash. Dale, (715) 836-9476.

FM FORUM

CONTRIBUTIONS FROM READERS
Since September's issue was published at the end of that month, I decided to

give myself a break and not publish in October, hence this double months' issue. Deadline for September was coordinated with the new, 1990 "FM Atlas," now published and ready to mail out. Only one other time did FMedia! miss, and that was a February a couple of years ago when the computer broke down. News on the FM front has been rather slow lately, so nothing is missing that would have been published a month ago.

A charming letter came from one of the grand old men of radio, Dick Gilbert, KQST 100.1 Sedona AZ, which holds a CP for 102.9. "You have my heartfelt congratulations and sympathy for the gigantic undertakings you have assumed with your publication... For the record, I wish to submit some correcting data to the third item on p.1 of FMedia! May, 1990: As this letter-head indicates, KQST



P.O. Box 1966 • Sedona, AZ 86336

is licensed to Sedona AZ and transmits a Class A signal on 100.1. Our main transmitter is located atop nearby Schnebly Hill. Our Flagstaff translator is atop Mount Elden at 103.1. Our Camp Verde translator is located atop Mingus Mountain at 104.9. Until now, we have never had any other transmitting facilities at other dial numbers. This has been our status for a few years.

"Some time ago, you reported that KQST was the first Class A to upgrade to a C and we do have a construction permit to go to a full C, 100 kw nondirectional, atop Mormon Mountain, the Flagstaff electronics site, when we are able to build the required facility there. We are puzzled by the statement: '(KQST 102.9 Sedona) back on air, but heard best in Camp Verde area.' First, KQST has never transmitted on 102.9, anywhere. KQST has never been off the air in whatever mysterious context is intimated and KQST is not heard best (in fact, not at all on 102.9 anywhere, much less Camp Verde area). The item also is in error in stating: 'There is also a KQST translator on air on 100.1 in Flagstaff.' KQST has never had a translator on 100.1 in Flagstaff."

The *Sedona Red Rock News* had a two-page feature on Gilbert, now in his 68th year of broadcasting. His career includes songwriting, being an emcee, and publications editor. In 1922, he was radio editor of the Brooklyn NY *Citizen*, and a singer and tapdancer on such AM stations as WDT, WEA, WJZ, WFBH, WMCA, WRNY, WHN, WAAM, WOR and WGBS. In 1941 he was a featured vocalist on WNEW and WOV, the original "singing disc jockey." In 1946 he moved to Phoenix and, after becoming president and general manager of several Phoenix-

area stations, he joined the FMedium by becoming secretary-treasurer at KQST Sedona in 1984.

It seems Baby Boomers like ancient tastes when it comes to radio—hence the proliferation of the oldies format on FM. That trend, however, is hurting the music business with record companies not gaining the precious exposure they need. Alex Nardacci sent an article on how radio stations' profit margins have been nudged upward by oldies. WCBS-FM 101.1 embraced oldies and has been close to No. 1, even using nationally syndicated deejay "Cousin Bruce" Morrow to host a time slot. Record companies, on the other hand, have had to be more resourceful, working with college stations and having artists appear on campus in order to get a fair hearing. Radio is fickle and today's trend toward oldies could easily reverse itself. Beautiful music was the in-thing in the early 1980s, but now the easy listening stations are dropping off like flies. Among the recent casualties—WWLV 94.5 Daytona Beach FL, now airing "light AC," and dumping its beautiful music and nightly classics.

Selling (or buying) a radio station may not be as clear-cut as it seems. A. Nardacci sent an article on the travails of WKLI 100.9 and AM Albany NY, along with WOUR 96.9 and AM Utica. The new owner filed suit, claiming that officials of Premier Broadcast Group entered offices of the stations and stole their computer business and accounting files. The new owner, Paul Bendat, claims he won't be able to operate the stations efficiently, and can't even determine what salaries employees had been earning and what overtime hours or vacations they might have had. Bendat is seeking to have the court return the documents he claims are rightfully his and be awarded monetary damages. Premier contends that "all accounts receivable which accrued prior to closing remain the property of Premier Broadcasting and [Bendat] has failed to return all accounts receivable that have been realized." The disputed accounts receivable come to \$125,000. The sale price of the four stations was \$8.855 million. An extra \$2.645 million was paid for a non-compete clause. Premier still owns WLFX 100.1 FM and WHRS AM in Winchester KY.

"I wish to comment on your printing of Art Jackson's racist comment [September, p. 8, col. 3]. I know that you have a policy of printing just about any comments that come in, but you do not print obscenities," says Larry Weil. "I consider this racist comment to be at least as obscene as a sexual obscenity, which you would not print. I think you owe your readers an apology and a promise not to print such trash in the future." On the same issue, John Jefferson writes:

"Must take umbrage at the suggestion

that KFAC [92.3] LA's demise was due to all the foreigners in LA. There are as many whites as ever in the metro area. Several of the big-money stations play rock for the white audience. KFAC's demise was due in large part to our cultural laziness: you have to LEARN to listen, and that won't happen tuning in the same miserable top-40, soft-rock, oldie or easy-listening song 20 times a day. KFAC's death was also due in part to the fact that it was a truly awful station. Anyone who cared worked to pull in the weaker KUSC 91.5 or even KFSD 94.1 San Diego. In 1960 or '61 Carl Princy of KFAC was asked by the LA Times if KFAC's chopped-up schedule (30- and even 15-minute programs abounded by day) didn't represent a terrible handicap. He replied that it was no problem: if he wanted to play a complete symphony he'd simply play one movement a day! I can picture his home with 1/4 of the Mona Lisa on each wall of the living room. He was still there in the '80s, I believe. In the '80s another announcer explained why they played the same recording of Handel's *Messiah* every year; it was the only one that would fit into their two-hour evening concert. And a dismal, old-fashioned rendering it was! All in all, good riddance. KKGO 105.1 is doing a far better job. My only regret is that LA lost its jazz station in the shuffle, and acquired [KK]-butt instead."

Jefferson says September's short history of KCDS *89.9 Angwin CA "omitted a brief but important phase in its evolution. Between KANG and KCDS it was KPRN for less than a year, operating as a public radio station and NPR affiliate with predominately classical music."

If I or contributors to this newsletter are guilty of prejudice, these words of Charlotte Bronte, English novelist (1816-1855) that made the back cover of *Liberty* magazine, September/October, 1990, might apply: "Prejudices, it is well known, are most difficult to eradicate from the heart whose soil has never been loosened or fertilized by education; they grow there; firm as weeds among stones."

Also reporting from CA is Jeff Tomasin, who sent an article on KWIZ Santa Ana moving to a new, central location near several residences. The "3000-watt antenna" is sending soft rock sounds into neighbors' musical instruments, turning color TVs to black and white, and making automatic garage doors go bonkers. Filters provided by the station are not doing the job, and the Orange City Council is giving KWIZ only until Dec. 1 to clean up its on-air act or risk having to move the tower to a different spot. Because of tight spacings on the 96.7 spectrum, the station really has no other options about moving and may have to reduce power.

Until December, *James E. King*

FMedia!

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Bruce F. Elving, Ph.D., Publisher
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A NEWSLETTER OF FACT AND OPINION ABOUT
FM RADIO AND RELATED TECHNOLOGIES—
FROM THE PUBLISHERS OF THE
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1990

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New FM Station, Translator Grants

AL Eufaula 97.9 3000 h.v; 100 m, Toole & Co.
AZ Show Low K211BR *90.1 (WMBI-FM 90.1
Chicago IL translator, via satellite)
CA Big Bear City 93.3 600 h.v; 561 m, Parallel
Communications [son City NV]
CA Big Pine K202B0 *88.3 (KNIS 91.3 Car-
CA Chico K216CF *91.1 (KCJH 90.1 Stockton)
CA Essex (highway station west of Lake Havasu
City AZ) KHIW 98.9 7400 h.v; 327 m,
KRXV, Inc. [FM *90.1 Chicago IL]
CA Lompoc K213BK *90.5 (WMBI-/ [rue
CA Quincy 100.3 3000h.v;-151 m, John La-
CO Durango K272AW 102.3 (KISZ-FM 97.9
Cortez), on air, serving mainly north Durango
"due to interference from KTRA 102.1
Farmington NM" [Junction)
CO Gunnison K220AH *91.9 (KJOL 90.3 Grand/
CT Ledyard (Norwich-New London) 106.5 3000
h.v; 88 m, L. Community Bcstg.
FL Panama City *89.9 100000 h.v; 32 m, g. P. C.
Christian Schools [90.1 Chicago IL]
ID Pocatello K211AD *90.1 (WMBI-FM/
IN Fort Wayne 92.3 3000 h.v; 100 m, Edgewater
Radio, Inc. [grange FM Partnership
IN Lagrange 105.5 3000 h.v; 100 m, La-
IN Ligonier 102.7 3000 h.v; 100 m, Ligonier FM
Partnership [Donald Willis
KS Herington 96.3 3000 h.v; 100 m, Marie/
KS Sublette K220DE *91.9 (WMBI-FM 90.1
Chicago IL)
MA Gloucester W218AJ *91.5 (WMBI-FM)
MI Sault Ste. Marie W212A1 *90.3 (WNMU 90.1
Marquette, most likely to be received off-air
via W216A1 *91.1 Newberry MI)
MN Minneapolis—not a real station—WMMR,
formerly on carrier current AM, said to be
radiating at 96.3 on or near the U. of
Minnesota campus [se Fleming
MS Kosciusko 103.3 25000 h.v; 100 m, Jes-
MS McComb W209AB *89.7 (WMBI-FM 90.1
Chicago IL)
MS Tupelo W215AC *90.9 (WMBI-FM)
MS Vicksburg W209AC *89.7 (WMBI-FM)
MO Kennett K213AF *90.5 (WMBI-FM)
MO Poplar Bluff 103.5 50000 h.v; 150 m, Twin
Eagle Communications
NV Laughlin K285AU 104.9 (KJUL 104.3
North Las Vegas), on air
NH Lisbon 96.7 790 h.v; 190 m, Profile Bcstg.
NM Carlsbad K207AE *89.3 (WMBI-FM 90.1
Chicago IL)
NM Las Cruces K209BD *89.7 (WMBI-FM)

NY Bay Shore 103.1 3000 h.v; 63 m, Shore
Media, Inc. [m, DAKK, Inc.
NY Center Moriches 96.1 3000 h.v; 100/
NY Corning WPHD-1 93.3 (3-w booster of Tioga
PA station, which itself is not yet on the air)
NY Lima W215AD *90.9 (WMHN 89.3 Webster
NY) [90.1 Chicago IL)
NC Greenville W204AD *88.7 (WMBI-FM/
ND Minot K220AG *91.9 (WMBI-FM)
OH Archbold WBCY *89.5 3000 h.v; 55 m, g.
Summit Christian College
OK Claremore 94.5 3000 h.v; 100 m, Educ.
Bcstg. Corp.
OK Lawton K215B0 *90.9 (KMSI 88.1 Moore)
OR Malin (serving Merrill and Tulalake CA)
K220-- *91.9 (KSOR 90.1 Ashland OR), on
air
PA Erie 94.7 910 h.v; 182 m, Peninsula Bcstg.
PA Forkston W219AY *91.7 (WRGN 88.1
Sweet Valley PA), with separate lobes to
Laceyville, Meshoppen and Tunkhannock—
all towns on or near the Susquehanna River
PA Slippery Rock *88.1 100 h.v; 24 m, SR U.
student government, a separate station from
WSRU *9C.1, licensed to the university
RI Block Island 95.9 3000 h.v; 45 m, Tim G.
English [m, Puritan Radiocasting Co.
SC Socastee (Myrtle Beach) 99.5 3000 h.v; 100/
TN Memphis *89.3 2750 h.v; 59 m, Cossitt
Library, to share time with WLYX
TX Corpus Christi 94.7 3000 h.v; 91 m, Reina
Bcstg., Inc.
TX Temple 101.7 3000 h.v; 89 m, Progressive
Communications—grant upheld by FCC
TX Waco 94.5 3000 h.v; 100 m, Kennelwood
Bcstg. Co. [er Ground Bcstg.
VT Hartford 104.3 2000 h.v; 120 m, High-
VA Bedford 106.9 180 h.v; 389 m, Tri-City
Media [m, Rosemary C. Fantasia
WV Barrackville (Fairmont) 93.1 3000 h.v; 76/
WV Spencer 104.7 3000 h.v; 100 m, Star
Communications
AB Lake Louise a low power FM station to relay
CISN 103.9 Edmonton AB on an unnamed
frequency, received via satellite
MB—at least four unnamed locations, each to be
on 96.9 with 9 watts, to rebroadcast English
and native-language programs from Native
Communications, Inc., based in Thompson
MB Winnipeg 91.1 58000 h.v; French, Radio
Communautaire du Manitoba, Inc. The station
expects to receive \$254,000 from the govern-
ment of Manitoba, Quebec, the city of
Winnipeg, businesses and the public. "Ottawa
has said it will match the funds."

NB Edmundston 101.1, \$, 2900 h.v; La Co-
operative des Montagnes, French
NB Saint-Quentin-Kedgwick 90.1, \$, 600 h.v; La
Co-operative des Montagnes. These two
stations granted in Feb. '89, but only now
were the frequencies assigned. The CBC
long-range plan calls for changing CBC
allocations from those two frequencies to
104.7 and 102.1.
ON Fort Erie CJFT 101.1, m, no technical
parameters announced. Will shift from 530
AM to FM "by early next year. The move
from AM to FM will allow us to improve the
quality and reliability of our already popular
service."
PQ Riviere-au-Renard CBGA- *92.5 40 h, tm
format, relaying CBGA-10 *89.3 Gaspe PQ

Call Letters Assigned

AL Carrollton 94.1 WCKO (from WAQT), now
o [Idies]
AZ Arizona City 106.3 KONZ (KXMK)
AZ Oracle 103.1 KBTR (KAWV), m
AZ Wickenburg 105.3 KRDS-FM (KTIM-FM);
AM is in Tolleson AZ. Format now gr,
contemporary Christian
CA Bakersfield 99.3 KCHT, \$[tereo], r, "The



KCHT BAKERSFIELD

Heat," no SCS
CA Greenfield 99.5 KSUR "FM" (KSUR-FM;
AM in Soledad gets new calls)
CA Imperial 99.3 KBCD (KOZN)
CA Lake Isabella 104.5 KVLI-FM
CA Morgan Hill 96.1 KSQQ (KSJQ)
CA North Highlands *89.3 KEBR-FM (AM is in
Rocklin CA)
CA Rohnerville 100.5 KQEX
CA Sacramento 96.9 KSEG (KROY), op format,
"The Eagle" -FM; AM gets new calls)
CA San Rafael 100.7 KTID "FM" (KTID-/
CO Colorado Springs 101.9 KKCS-FM (KKCS)
FL Arcadia 98.3 WXKT (WOKD-FM)

FL Clearwater 95.7 WMTX (WNLТ)
 FL Mexico Beach 99.3 WEBZ (WLPC)
 FL Naples 93.5 WRGI (WLAZ)
 FL Tallahassee 98.9 WBGМ "-FM" (WBGМ-FM; AM gets new calls)
 GA Augusta 103.1 WFХА-FM (WFХА)
 IL Chicago 100.3 WPNT-FM (WXEZ-FM), r, "The Point" (strict), simulcast with AM, but never mentions AM except in the required on-the-hour ID. Musically positioning itself between WBBM-FM 96.3 and WKQX 101.1. "No b format in Chicago any more. WXEZ-FM had only a 2.3 share of the radio audience; WXEZ AM had .6."
 IL Golconda 105.1 WXZB
 IL Kankakee *91.1 WTKC (WKVF)
 IN Columbia City 106.3 WДJB (WBBE), still "B-106"
 IN Newburgh 106.1 WEKX
 IN South Bend 106.3 WMXH (WGRT)
 IN Versailles 103.1 WRIP (WOVR)
 IA Ankeny 92.5 KJJY "-FM" (KJJY-FM; AM in Des Moines gets new calls)
 IA Bettendorf 93.5 KQCS (KGLR)
 ME Portland WWGT-FM 97.9 calls unchanged, but now properly giving its legal ID as WWGT-FM, after a period of just calling itself "WWGT"
 MA West Yarmouth 94.9 WJIB (WOCB-FM). As soon as the WJIB call letters were released by 96.9 Boston, WOCB-FM lost no time applying for those calls from the FCC, and obtained them because "the first one in wins."
 MI Buchanan 99.1 WSMK
 MN Granite Falls 93.9 KKRC
 MN Lakeville 105.1 KZPZ
 MN Nisswa 93.3 KZPX
 MN St. Peter *91.5 KVRU
 MS Columbus 94.9 WXZD
 MO Carthage 97.9 KMXL (KRGK)
 MO Cassville 100.1 KVRV
 NE Chadron *91.9 KCNE "-FM"
 NE Lincoln 101.9 KFМQ-FM (KFМQ)
 NE Merriman *91.5 KRNE-FM
 NE North Platte *91.7 KPNE-FM
 NV Sparks 92.1 KVRX
 100.9 KKMR (KROI)
 NM Espanola 102.3 KIOT (KMYK)
 NM Los Lunas 106.3 KZPY
 NM Ruidoso 93.5 KWES (KBUY-FM)
 NY Avon 93.3 WYNQ (WXME)
 NY Lake Luzerne 94.7 WBAR-FM (WZBR); AM is in Barstow FL
 NY Oneonta *91.7 WZXU
 NY Palmyra 99.7 WZXV
 NC Hope Mills 103.5 WCCG
 NC Topsail Beach 103.9 WZXS
 NC Wilmington 97.3 WMNX (WMFD-FM)
 ND Jamestown 93.3 KSJZ (KSJM)
 OH Columbus 92.3 WCOL-FM (WXGT), o, "Cool"
 OH Upper Sandusky *90.1 WVZX (WXML)
 OH West Carrollton 92.1 WROU
 OK Lawton 107.3 KVRW [on air]
 OR Altamont 101.3 KCHQ (KPMA); not yet/
 OR Brownsville 102.3 KGAL-FM (AM is in Lebanon OR)
 PA Altoona 98.1 WFGY (WFBG-FM)

PA Harrisburg 104.1 WNNK-FM (WNNK)
 SC Elloree 100.3 WMNY-FM (WMNY)
 SC Lake City 100.1 WWFN (WQTR)
 SC Marion 100.5 WКСY (WQTI)
 TN Centerville 96.7 WNKX-FM (WHLP-FM)
 TN Lawrenceburg 97.5 WXZC
 TX Amarillo 94.1 KBUY-FM (KDЖW-FM; AM is in Ruidoso NM)
 TX Austin 98.1 KVET-FM (KHFI), "K-Vet Country," coming soon
 TX El Campo 96.9 KIOX-FM (KXGC); AM is in Bay City TX
 TX Elgin 92.5 KKLB
 UT Salt Lake City 93.3 KLZX "-FM" (KLZX-FM; AM gets new calls)
 VT Stowe 101.7 WVMX (WRFB)
 VA Altavista 105.5 WKDE-FM (WKHV)
 VA Churchville 106.7 WBOP (WJNA)
 VA Williamsburg 96.5 WDCK (WQSF), o, "The Duck"
 WA Pasco 101.3 KGDN (KUKE)
 WV Salem 105.7 WOBG-FM (WXKI); r, \$, ID



with Clarksburg
 WI Elk Mound 92.9 WECL

Facilities Changes Granted

AL Chickasaw WDLT 98.3 38900 h,v; 168 m, C2
 AL Russellville WSHK 97.7 4500 h,v (131 m)
 AK Point Lay K201AB *88.1 (from K269EB 101.7)
 AK Soldotna KPEN 101.7 25000 h,v (73 m), C3
 AR Barling KOLX 94.3 (from 94.5) 32000 h,v; 150 m, C2
 CA Central Valley KNNN 99.3 5300 h,v (100 m)
 CA Oildale KLLY 95.3 4000 h,v (120 m)
 CA San Rafael KTID 100.7 (having moved from 100.9), now with a clearer signal to the south. "On 100.9 they were annihilated by KSGO Tracy." [rulemaking action]
 CA Soledad (new) 106.3 (from 105.3-/
 FL Apopka WTLN-FM 95.3 6000 h,v; 96 m, d-a
 FL Fort Myers Beach WQEZ 99.3 50000 h,v; 87 m, C2
 FL Port Charlotte WVJI *91.7 3000 h,v; 100 m
 FL Port St. Joe WМТО 93.5 5500 h,v; 201 m
 GA Martinez WMTZ 93.9 (from 94.3) 25000 h,v; 100 m
 GA Millen WMKO 94.9 4100 h,v (122 m)
 GA Royston WPUP 103.7 6000 h,v (100 m)
 IL Chillicothe WBZM 94.3 6000 h,v (91 m)
 IL Elsau WTPC *105.3 (from 95.5)
 IL Metropolis WREZ 105.5 6000 h,v (100 m)
 IL Normal WIHN 96.7 3300 h,v (91 m)
 IL Robinson WTAY-FM 101.7 3100 h,v (142 m)
 IL Rockford WNII *90.5 d-a (directional)
 IA Oskaloosa KOSK 104.9 50000 h,v; 150 m, C2
 KS Marysville KNDY-FM 103.1 9000 h,v; 117 m,

C3 [93.1 170 m (1070 h,v)
 KY Monticello WMKZ/ [h,v; 201 m
 KY Somerset WSEK 97.1 (from 96.7) 27500/
 LA Baton Rouge WTGE 100.7 97000 h,v; 457 m [h,v; 109 m
 ME Dover-Foxcroft WDME-FM 103.1 4800/
 MA Athol WCAT-FM 99.9 3700 h,v (124 m)
 MA Falmouth WFAL 101.1 3700 h,v (77 m)
 MI Ann Arbor WAMX 107.1 2100 h,v; 116 m
 MI Harrison WKKM 92.1 6000 (h; 91 m)
 MI Sault Ste. Marie WCMZ *98.3 25000 h,v (52 m), C3
 MN Blackduck (new) 98.3 50000 h,v; 139 m, C2
 MN Breezy Point KLKS 104.3 150 m (19000 h,v); still on 95.3
 MN Spring Grove KQYB 98.3 32500 h,v; 185 m
 MN Thief River Falls KKDQ 99.3 6000 h,v; 49 m, m; on air [AF 88.5)
 MT Colstrip K216CE *91.1 (from K203-/
 NH Conway WMLY 104.5 100 m (3000 h,v)
 NH Franklin WFTN-FM 94.1 6000 h,v (100 m)
 NH Plymouth WPNH-FM 100.1 4900 h,v; 109 m
 NH Wolfboro WLKZ 104.9 730 h,v; 278 m
 NJ Avalon WWDC 94.3 3300 h,v (91 m)
 NJ Egg Harbor City WRDR 104.9 10000 h,v; 155 m, B1
 NJ Newton WNNJ-FM 103.7 20000 h,v; 152 m
 NM Taos KRBJ 99.9 1000 h,v; 876 m, C2
 NY Batavia WGCC *90.7 880 h,v; 50 m
 NY Southold WBAZ 101.7 5500 h,v (104 m)
 NC Nags Head WNHV 92.3 4100 h,v (67 m)
 NC Raleigh WQDR 94.7 96000 h,v; 512 m
 NC Rocky Mount WSAY-FM 98.5 3800 h,v (127 m) [100000 h,v; 244 m
 ND Oakes KDDR-FM 92.5 (from 92.3)/
 ND Wahpeton KGWB 106.9 (from 107.1) 50000 h,v; 150 m, C2
 OH Holland WPOS 102.3 6000 h,v; 95 m
 OK Woodward KMZE 92.1 2200 h,v; 335 m
 OR Klamath Falls K213AI *90.5 (from K218BB 91.5; it never was on 91.5)
 PA Bellwood W240- 95.9 (from W296AQ 107.1)
 PA Summerdale WJAZ *91.7 140 h,v; 210 m
 SC Clearwater WCNA 98.3 2800 h,v (148 m)
 SC Greenwood WMTY-FM 103.5 6000 h,v (100 m)
 SC Honea Path WRIX-FM 103.1 6000 h,v; 100 m
 SC Lake City WWFN 100.1 2900 h,v (147 m)
 SC Newberry WNMX 106.3 25000 h,v (100 m), C3
 SC Surfside Beach WYAK-FM 103.1 6000 h,v; 100 m [h,v; 245 m, C1
 SD Huron KURO 99.1 (from 92.1) 100000/
 SD Madison KJAM-FM 103.1 6000 h,v; 98 m
 TN Alamo WNBE 93.1 6000 h,v (100 m)
 TN Jackson WJTR *90.1 162 m (17000 h,v)
 WМXX 103.1 3300 h,v (91 m)
 TN Oak Ridge WKNF-FM 94.3 2500 h,v (157 m)
 TN Paris WAKQ 105.5 3700 h,v; 128 m
 TN Union City WKWT 104.9 6000 h,v (91 m)
 TX Belton KYZZ 106.3 1900 h,v (149 m)
 TX Lampasas KLTD 98.9 (from 99.1), still \$, o, "Kool 99." Its "move was necessary due to interference with country KRYS-FM 99.1 Corpus Christi and soft AC KODA 99.1 Houston. They are the second Austin outlet to do this. Last year, KQFX [seeking use of KHFI calls] 96.5 Georgetown-Austin moved

to 96.7 because of KHM, 'Mix 96.5' Houston and KCTG 96.5 Corpus Christi."
 VA Franklin WLQM-FM 101.7 3000 h,v (143 m)
 WA Cheney KEYF 101.1 599 m (100000 h,v)
 WA Spokane KXLY-FM 99.9 914 m (37000 h,v)
 WI Merrill WMZK 104.1 3500 h,v (133 m)
 WI Portage WDDC 100.1 3300 h,v (91 m)
 WI Waupaca WDUX-FM 92.7 6000 h,v (74 m)
 VI Charlotte Amalie WVGW 107.1 (CP for 105.3 move rescinded) 1350 h,v; 467 m
 BC Burns Lake CJFW-5 92.9 50 h, with a change in transmitter site
 MB Winnipeg CITI 92.1 210000 h,v (241 m), "to accommodate its new panel-type antenna"
 ON Cobourg CFMX 103.1 86700 h,v; with a decrease in height (new height not announced) [d-a (103 m)]
 ON Mississauga CFMX-1 96.3 43100 h,v/
 ENGLAND "Choice FM" (frequency unknown) given a power boost to 36, doubling from 18 watts. The station had not been effectively reaching the homes of those living within 10 km of Brixton in South London.

Stereo—Or to be Stereo

CA Chico KZFR *90.1
 CA Orange Cove KMAK 100.3, g, rebroadcasting KAMB 101.5 Merced 100%; on 24 hours. "Local KMAK ID inserted at top of hour."
 FL Lafayette-Tallahassee WHKX 99.9, "Kix Country," a "stereo country juke box." Its former staff was notified of their firings when the transmitter was abruptly shut off, which, if it was not preceded by a legal identification mentioning city and call letters, would be a violation of FCC rules.
 MN Thief River Falls KQMN *91.5, c, TT, 67 kHz. Now on the air and "serving the upper Red River Valley."
 NC Windsor WDRP 96.9
 OH Shadyside WEEL 95.7, "Wheel FM"
 PA Huntingdon WKVR *92.3, "Power 92"
 PA Port Allegany WHKS 94.9, "94.9 Kiss FM"
 PA Riverside WGLL 92.3, k, "Wiggle 92," parallel to WYGL-FM 100.5 Elizabethville and AM in Selinsgrove
 TN Bristol WHCB *91.5, usually mono, but occasionally broadcasts in stereo. "They can be stereo if they want to." [(strict)]
 TN South Pittsburg WKXJ 97.3, r, "97-Kix"
 AB Banff CJAY-1 95.1; CHFM-1 99.3
 AB Lake Louise CJAY-2 97.5
 NB Bathurst CKLE 92.9, m, 24 hours on air, with a blend of French and English-language vocals; all talk is in French

Monophonic

TX Livingston KETX-FM 92.1—remove \$ listing
 AB Banff CKUA-FM-1 *104.3—remove \$ listing
 AB Calgary CBRF *103.9 IPAS Stockton WDV
 AB Canmore CBRC *97.9! *89.7—just like sister
 WA Warminster WRDV *89.3

Format Changes

Formats are the same as in the "FM Atlas"
 AL Ozark WNER 103.9 mr, simulcast with WFSF 1200 AM
 AK Anchorage KLEF 98.1 still c, having "skyrocketed to the top of ratings conducted by Arbitron [and] has become the city's

most popular radio station among people 35 years and older—an increasingly important market for advertisers."
 AZ Casa Grande KFAS-FM 105.5 b
 AZ Globe KZEW 100.3 p, SMN Z-Rock
 AZ Kingman KRCY 105.9 o, SMN Pure
 AR De Witt KDEW-FM 96.7 k
 AR Paris KCCL-FM 95.3 k
 CA Fowler KEZL 96.7 jm
 CA Gonzales KPUP-FM 104.3 o, SMN Pure. Was on the first month with reduced power, "and erratically."

CA Merced KABX 97.5 o
 CA Red Bluff KDJQ 102.7 m [weekends]
 FL Tallahassee WFSU *88.9 nj, music mostly on/ WFSQ *91.5 c, some j weekends; both stations properly remove their stereo during talk programs. "For years 91.5 FM had a problem with reception in Tallahassee, especially in the hilly eastern and northeastern areas. The current transmitter is located about 20 miles west-southwest of town in the middle of the national forest. Attached to WFSU-TV's tower, the transmitter suffers from



frequent outages with no back-up power supply. WFSU sought to move closer to the population center, but because of technical requirements, there was a possibility that 91.5's signal would interfere with WCTV's [channel 6—Thomasville GA-Tallahassee FL] signal.

"In 1986, WCTV built a new tower with back-up power 25 miles northeast of town. An arrangement was reached to construct the tower with room for public radio. . . However, a Georgia public broadcaster had counter-filed to provide two new radio stations in Georgia. . . The technical issues could have taken years to resolve and either side could have won if the matter was pursued to a legal conclusion. This led to a search for another solution. . . The only other frequency available in the area was 88.9



mz, and thus the only certain way to provide a more powerful public radio signal was to apply for 88.9. Serendipitously, this would allow FSU's Public Broadcast Center to continue to operate 91.5 FM. . . The 88.9 signal will be as strong as any in Tallahassee. The 91.5 antenna can never be moved closer to Tallahassee, but we will be able to increase the power to 100000 watts and raise the height of the antenna to 202 meters. This project will be completed in the spring of 1991."

HI Hilo KIPA-FM 100.3 rj, Breeze plus nitely SMN classic rock
 ID McCall KMCL 101.1 to be rm
 IL Christopher WUEZ 103.5 b
 IL Henry WRVY 100.5 k, \$
 IL Lincoln WESZ 100.1 rm
 IN Brazil WSDM 97.7 o, SMN Pure
 MA Amherst WRNX 100.9 to be r
 MI Houghton Lake WUPS 98.5 rm
 MN Fosston KKCC-FM 107.1 rm
 MS Hattiesburg WHER 103.7 k, still "Eagle 103"
 WHSY-FM 104.5 rm
 MO Poplar Bluff KAHR 96.7 o, SMN Pure

NV Reno KSXY 101.7 p
 OH Crooksville WYBZ 107.3 o
 OK Bartlesville KYFM 100.1 rm
 PA Avis WHUM 99.9 rm, "Magic 99.9"
 PA Blairsville WLCY 106.3 r, still "Lucky 106.3"
 PA Harrisburg WXBB 97.3 b
 SC Abbeville WZLA 92.9 s[oul]
 SC Bamberg WWLT 92.1 k
 SC Conway WJXY-FM 93.9 k, "94-X"
 SC Georgetown WTUB 93.7 m, "Easy 93.7"
 SC Hilton Head Island WHHR-FM 106.1 rm
 SC St. Stephen WTUA 105.9 s, "Power 106"
 TN Rogersville WJDT 106.5 k, but off the air.

"They were supposed to come on 10-1-90."
 TN Soddy-Daisy WFXS 102.3 r
 TN Sargovinsville WEYE 104.3 to be o, \$
 TX Bastrop KGSR 107.1 p
 TX Big Spring KBST 95.3 k
 TX Dallas KERA-FM *90.1 nj, eliminating classical music because "we were not getting the kind of support for classical music we needed to grow." Now offers a "blended format" of music airing around news shows.
 TX Fredericksburg KFAN 101.1 o, simulcast with KONO 860 AM San Antonio; "KONO is leasing KFAN to rebroadcast their AM's programming"

UT Roy KRPN 107.9 o
 UT Spanish Fork KQOL 106.5 b
 VT Warren WSBH 96.1 o
 WA Gig Harbor KGHP *89.9 (with translator on 89.3) rp, mono
 WA Rock Island KXAA 99.5 k
 WI Menomonie WMEQ-FM 92.1 o
 MB Winnipeg CKIS 97.5 given a full license renewal to Aug. 31, 1994, after a one-year renewal in 1989. Denied a bid to play harder rock, but allowed a reduction in news from five hours and 25 minutes to three hours and 47 minutes a week, "still one of the highest commitments among Winnipeg FMs."
 ON Kitchener CKWR *98.7 doubles its broadcast week to 144 hours, with "foreground programming" going from 40 to 30%
 ON London CHRW 94.7 pj, "rock, folk, jazz



UNIVERSITY COMMUNITY CENTRE, ROOM 42
 UNIVERSITY OF WESTERN ONTARIO
 LONDON, ONTARIO, CANADA
 N6A 3K7

blues and more," now with 5000 h,v; 55 m, upping power from 50 watts. Student government budgeted \$80,000 for the power increase three years ago, but it was not until June 1 that the 190 Cherryhill Dr. location was given final approval by the CRTC.

On Air (Selected)

FL Havana WMLO 104.9 now on as a C2, still b, \$ [from 104.9]
 IL Shelbyville WEJT 105.1, having moved/
 MO Liberty KWJC *91.9 now on 24 hours, after overcoming an undefined transmitter problem; still gr, with Craig Larson new manager
 TN Donelson WAMB-FM-1 106.7, m, \$, but all on-air references are to "WAMB 1160." May

have been testing. "I'm sure there will be some kind of publicity when it gets officially cranked up."

TX Dallas KRSM *93.3, having moved from 88.5. "Heard daily at irregular times since start of school year. All rock, especially heavy metal in mono."

TX Palestine KYYK 98.3, now with 50000 h,v; 150 m, "receivable along a significant stretch of I-45"

Off Air or Not Yet On

AK Anchorage KWQJ 92.9, KXDZ 103.1
 CA Pittsburg KKIS-FM-2 92.1. "They have a real engineering challenge, as KKIS-FM booms into some areas and is lost under KWWN 92.1 Placerville in others... The real solution is to move their main transmitter to a high mountain so that its coverage will be more predictable! They tried Mt. Diablo years ago and greatly improved their signal in Pleasanton, but apparently used a high-gain antenna which squirted the signal right over the top of Walnut Creek. Why anyone would use a high-gain antenna for 50 watts ERP is quite beyond me."

CO Silverton, "no local signals at all"; not even any of the translators shown in the "FM Atlas"

IL Eureka WCRI 98.5

ME Bath WIGY 105.9 and WJTO AM, but expected back in January, with Frank Burke buying them for \$5.7 million, including two Utica NY stations. Broker in the deal is Melvin L. Stone of Kozacko-Horton Co. of Elmira NY, who said the land on which the stations sit "is worth more than the stations."

ME Kittery WKCD 105.3, although operated briefly as WYOC. "I have tried many times to receive them, but there is a total silence except for FM hiss."

MI Gulliver WTIQ-FM 94.7

MI MacKinnaw City WSSW 94.3

NY Binghamton WUCI *91.5, since June 1. It was a minority-owned station which failed to get adequate funding. WSKG-FM *89.3 wants to take it over, and is hoping for a January funding deadline. It would be referred to as "WSKG II," and programmed to complement WSKG-FM, with jazz, news and information shows.

ND Wishek KMVC 100.3. "AM went silent last year, FM was never built. AM now has a new owner, pending FCC OK, and they may activate the FM if the CP hasn't expired."

PA Harrisburg WRTQ *88.1

PA Huntingdon WQHG 106.3

PA Jackson Township (Mount Pocono) WRTY *91.1, expected on air in June

PA Portage WKXU 105.7, was expected to have been on by now

PA Sharpsville WOJY-FM 95.9, reported off PA Smethport WORM 106.3

PA Summerdale WJAZ *91.7, but should be on as of mid-December. New Dover DE station (not yet granted) will be on 91.7; expected on by fall '91.

UT Blanding KSMH 92.1, unbuilt and not yet on; remove \$, format listings

WV Bridgeport WDCI 104.1. "A girl there doesn't know anything about the station, or when it's going on the air."

Deletions

IL Mount Morris WRMA 100.5, "extension of time dismissed; CP cancelled"

IA Fairfield KCKJ *90.5, CP forfeited, call letters deleted

NY Corning W228AW 93.5, replaced by booster on 93.3 (see "New," above)

OR Chemult K276AE 103.1. "KTMT engineer said it's been off the air for three years. The

FCC wanted it to be upgraded. The community didn't have the funds, and it went dark."

TX Austin KLT-D-1 99.1. Primary has moved to 98.9, and this booster "didn't help. I would assume, since they've moved, KLT-D-1 has been deleted."

"I'm anxiously awaiting arrival of the new FM Atlas."

"With college expenses being what they are, I choose not to renew FMedia! at this time. However, please retain my name and address on your mailing list and let me know when your next edition is published. I find it to still be the single best reference for FM stations."

SCServices, 57, 67 and 92 kHz

Symbols are as in the "FM Atlas"

AK Anchorage KSKA *91.1 †T, 67; also occasional use of a tone at 92 kHz to start the cart machines at KCZP *91.9 Kenai, "no audio as such," and not on steady enough to warrant an "FM Atlas" listing. The audio on KSKA and KCZP's 67 kHz remains a reading service to the blind.

NY Lake Success WYNY 103.5 has 92 kHz SCS, TE, Colombian Spanish. "It is live 24 hours a day, mostly from a small studio in Queens NY, but part of it is voiced news by telephone from Colombia. They call Miami FL from Colombia, and then to Queens. We will be adding a 67 kHz SCA for live cueing of remote crews (†S), with occasional audio by Jan. 1. I am hooking up equipment for our new transmitter on the south tower of the World Trade Center, and we will be going nondirectional. We gave WPRB 103.3 Princeton NJ \$500,000 so they can upgrade, and WNNJ-FM 103.7 Newton is now 20000 watts, and no problem to our upgrade. We had to be directional to protect those two stations. We wanted to be on the Empire State Building and closer to mid-Manhattan, but WFAS-FM 103.9 White Plains would not agree to a closer spacing to us. Now they have different owners, and the new owners wanted to go to 6000 watts, but because of their previous refusal to accommodate us, we turned them down."

PA Pittsburgh WOED-FM *89.3 still †R, 92, but they said "we aren't running any SCA" [67]
 VT Burlington WEZF 92.9 †R, 92 (retains †M, /

FMistakes, FM Atlas-13

GA Thomson WTHO 101.7 not on p. 29 map; dot to left of word "Martinez" is for Thomson

WV Parkersburg WHCM 99.1, not "WA," p. 168; is on the air on 99.1, having moved from 99.3

NonIDs, Not Just Slogans

Mentioned on the air usually without call letters; "strict" if a station only uses call letters once per hour as required by FCC (at or near the top of the hour)

AZ Glendale KKFR 92.3 Power 92 (puts out "Fire")

AR Ashdown KTFS-FM 103.9 Easy 104, ID with Texarkana. KYKR-FM 102.5 Texarkana TX, while it was country, forced KTFS-FM to go

b; now KYKR-FM is reputed to have quit country in favor of rock.

KS Junction City KJCK-FM 94.5 Power 95
 NE Winnebago KSUX 105.7: "I would believe what people call KSUX! If they want K-Sioux, they should try KSOO, KSOU, KSUU, KSEW, or even KSIO (KSUE being in Susanville CA)."

NV Reno KZSR 92.9 Star FM, supposed to be on air by now; has been testing with 15 watts. May become stereo when at full power.

NM Maljamar KMMW 105.1 W-105; k, \$
 TX Corsicana KAND-FM 107.9 no nonID; "K-108" always spoken with call letters; still IDs with Ennis TX. Full AM-FM simulcast, except for separate FM programming of football games.

TX Wichita Falls KNIN 92.9 no nonID, saying "Power 92.9, KNIN," with no "Rockin' 92" heard any more

WA Tacoma KBSG-FM 97.3 Oldies 97.3 (from "K-Best")

Multi-City IDs in Use

MN Walker KLLR-FM 99.1 (moving from 99.3) with Bemidji-Park Rapids

TX Denton KOAI 106.1 drops Highland Park, "but they swallow the word 'Denton' so much that you hardly hear it," as they say "Denton-Dallas-Fort Worth"

"Your publications have been very useful in keeping us informed of FM developments. I'm looking forward to seeing the new Atlas!"

AM Happenings most Likely Caused by FM

AL Huntsville WTAK 1000 No. 5 in ratings, making it the highest-rated AM in the market. Its owners "are so surprised by their No. 5 rating that they plan to bring their rp format to the FM band," by either trying to reallocate a new channel into Meridianville AL or buying an existing station, such as rumored to be WKQD 93.3 Tullahoma TN. "WBHP AM 1230 Huntsville has hopes of buying WDRM 102.1 Decatur."

CA Fowler (Fresno) KRGO 1220 silent
 CA Hesperia KKJZ 540 will drop jazz Jan. 1, and is donating 11,000 jazz records and compact discs to KLON *88.1 Long Beach, which is raising its power to 30000 h,v, and KLON hired two unnamed KKJZ disc jockeys as announcers.

"The jazz format on KKJZ lasted less than a year, and LA jazz fans were unhappy from the start due to the station's often hard-to-receive AM signal." Station got no support from either listeners or advertisers, and is switching to beautiful music. "We think it will work well."

FL Bradenton WKLV 1490 silent
 FL Tallahassee WHBT AM 1410 back on the air; when it initially returned it was WBGM, simulcasting 98.9 FM

WYNN 1270 "gave up on motivational radio and now simulcasts WTNT" FM 94.9

GA Thomasville WSTT AM 730, given away in an MTV contest, to at-random winner Chris McCarron, at Cerritos Community College, Torrance CA. Her station, subject to FCC approval, could be sold, given away, or operated by McCarron. She also receives \$10,000 and considerable media attention. WSTT-FM 107.1 is not part of the deal.

MA Boston WKKU 1510 drops country, simulcasts WSSH-FM 99.5 Lowell MA; changes calls to WSSH AM. "It just wasn't a ratings winner." Now Boston is without a country outlet, FM or AM.

MA North Adams WNAW 1230 went to a satellite service early this year, in hopes of saving enough money to preserve its local news and public affairs programming. Besides being on AM, the station is suffering from an economic downturn in the county.

MS Jackson WOKJ 1550 silent; had been rock
NV Reno KXTO 1550 silent; had been Spanish
NY Amsterdam WBUG 1570 (formerly WKOL AM), now a country music stand-alone, plans "an FM simulcast station in western Montgomery County." Except for its morning show, it simulcasts WRWD 107.3 Highland-Pough keepsie NY.

NY Buffalo WBEN 930 AM in 9th place in summer ratings at a 5.6. "That is the lowest I've ever seen for WBEN, losing the NFL Bills, NHL Sabres, and the AAA Bisons (who get more attendance than some major league teams!) certainly didn't help!"

NC Warsaw WTRQ 1560 silent; had been country
OH Nelsonville WYNO 1120 silent
VA Lacey (Olympia) KLDY 680 silent
VA Suffolk WLPM 1450 "silent during move"
"FMA-13 still in the mail buggy and on the way. Should be here soon if you had no problems. Can't wait to see it!"

"You have been very unfair to AM... I've been associated with FM companion (to AM) stations for almost 30 years; but I find the programming in general is boring. My preference is for strong personality orientation along with lots of news and information. If I want a juke box, I'll play a cassette. ... I hope we're still on speaking terms after my AM rantings!"

"I miss FMedia! but I feel that I cannot afford the fee for it. Please let me know when a new atlas is ready."

FM Rulemakings Proposed

First date is deadline for filing comments at the FCC; second date is for replies. Stations affected, if any, are listed before the dates.

- AL Cordova 98.7C3 from 95.3A, WFFN, Dec. 20, Jan. 4 [Jan. 4
- AL Holly Pond 99.9A from 95.5A, Dec. 20, /
- AL Tuscaloosa 105.5C3 from A, WACT-FM, Dec. 17, Jan. 2
- AL Warrior 95.3A from 98.7A, Dec. 20, Jan. 4
- AZ Aguilá 96.3A, Dec. 13, 28
- AZ Lake Havasu City KZUL-FM 104.5C2 from 105.1C2, "show cause/why not?"
- AZ Wickenburg 105.3C1 for C2, KRDS-FM
- AR Clinton 92.1C3 from A, KHQP, Dec. 31, Jan. 15
- AR Pine Bluff KOLL 94.9C to Maumelle AR (closer to Little Rock), Dec. 24, Jan. 8
- AR Van Buren 102.7C2 for 102.3A, KLSZ-FM, Dec. 17, Jan. 3
- CA Baker 100.1B, Dec. 31, Jan. 15
- CA Gualala 97.1B1, Dec. 17, Jan. 2
- CA Joshua Tree 92.1A, Jan. 7, 22
- CA Lemoore 104.9A at Tipton CA (no longer serving Lemoore), KQYZ, Dec. 27, Jan. 11
- CA Santa Ynez 105.9A, counterproposal
- CA Yuba City 103.9B1 for A, KXCL counterproposal
- FL Lacrosse 99.5A, Dec. 31, Jan. 15
- FL Live Oak 98.1C1 from C2, WQHL-FM, Jan. 7, 22

- FL Sebring 107.5A, Dec. 31, Jan. 15
- FL Zolfo Springs 106.9A, Dec. 14, 31
- GA Claxton 107.3C3 from 107.1A, WCLA-FM, Jan. 4, 22 [21, Jan. 7
- GA Crawford 102.1C3 from A, WGMG, Dec. /
- GA Dawson 107.7A from 92.1A, WAZE, Dec. 20, Jan. 4 [31, Jan. 15
- GA Douglas 99.5C for C1, WDMG-FM, Dec. /
- GA Sasser 107.7C3, Dec. 20, Jan. 4
- GA Warrenton 93.1C3 for A, WSAA, Dec. 14, 31
- ID Eagle 107.9C2, Dec. 31, Jan. 15
- IL Lincoln 93.9A for 100.1A, WESZ, Dec. 31, Jan. 15 [Dec. 21, Jan. 7
- IL Mattoon 101.3B1 at Neoga IL, WMCI /
- IL Mount Olive 105.3A, Jan. 4, 22
- IL Taylorville 92.7B1 from A, Dec. 28, Jan. 14
- IL Virginia 92.5A, Dec. 28, Jan. 14
- IA Burlington 103.1C3, Dec. 28, Jan. 14
- IA Sheldon 105.3C2 for 105.5A, KIWA-FM, no dates given
- KS Clearwater 98.7A, Dec. 14, 31
- KS Columbus 105.3C3 for 98.3A, KOCD, Dec. 13, 28 [Jan. 4, 22
- KY Bowling Green 98.3C3 from A, WDNS /
- ME Bar Harbor 107.7B1 for B, Dec. 28, Jan. 14
- ME Howland 103.9C for A, WPVM, Jan. 2, 22
- ME Searsport 101.7A, Dec. 27, Jan. 11
- ME Skowhegan 107.9C3 for A, WHQO, Dec. 28, Jan. 11
- MI Cadillac 96.7C3 for A, WWLZ, Dec. 17, Jan. 2
- MN Coleraine 96.1C1, Dec. 17, Jan. 2
- MN Jackson 105.7A for 105.3A, KRAQ, "show cause/why not?"
- MN Springfield 94.7A from 105.7A, "show cause/why not?"
- MN Walker 99.1C1 for C2, KLLR-FM, Jan. 7, 22
- MS Baldwin 92.5A from 95.9A, WESE, Dec. 24, Jan. 8
- MS McLain 96.9A, Dec. 31, Jan. 15
- MO Asbury 103.5A, Dec. 24, Jan. 8
- MO Bolivar KGBX-FM 105.9C2 at Nixa MO (closer to Springfield, no longer serving Bolivar), Dec. 27, Jan. 11
- MO Campbell 107.5C3 for A, KKJJ, Dec. 28, Jan. 14 [Dec. 31, Jan. 15
- MO Huntsville 97.3C2 from 92.5A, KTDI /
- MO Marshall 97.5C2, Dec. 31, Jan. 15
- MT Kalispell 106.3A, Dec. 27, Jan. 11
- MT Laurel 101.7C, Dec. 17, Jan. 2
- NV Gardnerville 99.1C3 for 99.3A, KGVM, Dec. 17, Jan. 3
- NH Woodsville 97.7A, Dec. 24, Jan. 8
- NM Clovis 102.3C3, Dec. 14, 31
- NM Taos 99.9C for C2, KRBJ, Dec. 14, 31
- NY Fort Ann 98.5A, Dec. 24, Jan. 8
- NY Port Henry 92.1C3 from A, WMNM, Dec. 28, Jan. 14
- NY Saugerties 92.9A, Dec. 21, Jan. 7
- NC Beech Mountain 102.3A counterproposal
- NC Edenton 102.5C2 for 102.3A, WZBO-FM, Dec. 20, Jan. 4
- NC Scotland Neck 95.5A for 102.7A, WWRT, Dec. 20, Jan. 4 [20, Jan. 4
- OH Geneva 104.7A for 104.9A, WDON, Dec. /
- OH Ripley 99.5C3 for A, WXKD, Jan. 7, 22
- OK Altus 107.9C2 for A, KEYB, Dec. 24, Jan. 8
- OK Tishomingo 99.7C3 for 106.3A, KTSH, Dec. 24, Jan. 8 [Jan. 3
- OR Banks 107.5C3 for A, new CP, Dec. 17, /
- OR Cottage Grove 102.5A, Dec. 21, Jan. 7
- OR Creswell 95.3C3 from A, KAVE, Dec. 31, Jan. 15
- OR Florence 106.9A, dates not given
- PA Clarendon 106.9A, Dec. 17, Jan. 3
- TX Amarillo 95.1A, Jan. 7, 22
- TX Claude 95.7C3 for A, new CP, Jan. 7, 22
- TX Copperas Cove 103.1C3 for A, KOOV, Jan. 7, 22 [17, Jan. 2
- TX Hondo 98.7C3 for 98.5A, KRBH, Dec. /
- UT Centerville 105.7C for C1, KBCK, Jan. 7, 22
- VT Middlebury 89.9A from 91.7A, WRMC, "show cause, why not?"
- WI Bloomer 95.1C3 for A, WPHQ, Dec. 14, 31
- WI Chiwaukee Falls 99.9C3, Dec. 17, Jan. 3
- WI Tomah 94.5C3 from A, WZFR, Jan. 7, 22
- WI Waupun 99.5C2 at Omro WI, Dec. 31, Jan. 15
- WI Wisconsin Dells 106.9A from 107.1A, WNNO-FM, Dec. 24, Jan. 8

WY Laramie 104.5C2, Dec. 13, 28

FM Rulemaking Finalized

Dates are when FCC filing windows are open

- AR Ashdown dismissed KARQ's bid for 92.5C3 for 92.1A [for 92.9A for 92.7A
- AR De Queen dismissed KDQN-FM's bid /
- AR De Witt 97.3C2 for A, KDEW-FM
- AR England 96.5C3 for A, KLRA-FM
- AR Pine Bluff 101.3C3 from A, KPBO
- CA Merced 94.1A, Dec. 17-Jan. 16
- CA Pacific Grove 105.1B1 for 104.9A, KOCN
- CA Susanville 96.3C2, Dec. 11-Jan. 10
- CO Grand Junction 104.3C, Nov. 14-Dec. 19
- FL Lafayette 99.9C2 for A, WHKX
- GA Clarksville 102.9C3 from A, WMJE
- GA Millen 94.9C3 for A, WMKO
- IA Harlan 105.3C3 for 105.5A, KNOD
- IA Mount Pleasant 105.5C3 from A, KILJ-FM
- KS Liberal 105.1C2, "first come/first serve"
- KY Beattyville 102.1A for 102.3A, WLJC
- LA Boyce 102.3C3 from A, KBCE
- LA Breaux Bridge 96.5C3 for A, new CP
- LA Lake Arthur 107.3C3 from A, KAHJ
- MO Bowling Green 94.1C3 from A, KPCR-FM
- MO Branson 106.3C3 from A, KRZK
- NH Gorham 107.1A, Nov. 14-Dec. 19
- NC Hatteras 94.3A, Dec. 11-Jan. 10
- NC Morehead City 96.3C1 for C2, WRHT
- NC Nags Head 92.5C3 for 92.3A, WNHW
- NC Wanchese 95.3C3 for A, WOBR-FM
- ND Dickinson 99.1C1, Jan. 2-Feb. 1
- ND Valley City 101.1C1 for 100.9A, KOVC-FM
- OH Piketon 100.1A, Dec. 18-Jan. 17
- OH South Zanesville WCZV 92.7 B1 (from Zanesville OH, A)
- OK Eldorado 97.1A from 94.3A
- OK Ketchum 97.1A from 94.3A, KGND
- OK Nowata 101.5A, "first come/first serve"
- OK Woodward 100.1C1 from 93.5A, KWFX
- OR Newport 92.7C3, Dec. 18-Jan. 17
- PA Edinboro 97.9B1 for A, WXTA
- SC Barnwell 101.7C3 for A, WBAW-FM
- SC Clemson 104.9A, Nov. 14-Dec. 19
- SC Klondike dismissed 98.5A bid
- SC Marion 100.5C3 for A, WKSJ
- SC Pawley's Island 98.5A, Dec. 7-Jan. 7
- SD Pierre 92.7C1 from A, KGF-X-FM 95.3C2 from A, KLXS
- TX Denison 101.7C3 from A, KDSQ
- VT Bridport dismissed 93.7A bid
- VT Canaan 94.1C3 from A, WKNW
- VA Chase City 99.3C3 from A, WFXQ
- VA Lynchburg 101.7C3 for A, WXYU
- WI Black River Falls 99.7C3 from A, WWIS-FM
- WI La Crosse 106.3C3 Dec. 21-Jan. 21

Power Multiplexing System Might Enable Present FM Stations to Deliver DAB Signals

Last month's report on digital audio broadcasting (pp. 6-7) expressed the hope that DAB might be possible on one of the subcarriers of an FM station. This would enable persons with analog or digital receivers to pick up the program, and it might "unbundle" DAB, allowing for the creation of only one station at a time in an area, instead of having to wait until 16 stations can go on all at once.

Now comes an idea by John Leonard and Glen Myers called Power Multiplexing, where the DAB signal is carried behind the FM station in the form of a lower power version of the same program as on the main station. Because of FM's capture effect, an analog receiver would respond only to the stronger, analog signal, while

a special digital radio, yet to be made, would sniff out the digital. No new spectrum would be needed for this form of DAB, but this system's superiority in combatting multipath has yet to be demonstrated. According to the newsletter of the Milwaukee Society of Broadcast Engineers, "the possibilities of this system include a new method for transmitting SCA services. If powerful enough data compression becomes available, it may be possible to add simultaneous digital transmission of the main carrier signal in the same spectrum. . . Only the Myers demodulator equipped receivers can reliably receive the auxiliary signals." On a related subject, the Milwaukee Chapter 28 newsletter states that the industry NRSC FM subcommittee is organizing a study to look into the decline in quality of FM receivers.

From NAB Engineering comes a report that DAB, conducted like it was in Canada with the Eureka 147 system, would require entirely new methods of calculating the FM coverage curves. DAB signals "require a higher probability of service to cover a given area, even though they are largely unaffected by multipath interference." It was suggested that the FCC define new propagation curves at the F(90,90) or even F(99,99) levels to insure the existence of service within a predicted coverage pattern. A signal model based on receiver performance was developed to estimate DAB coverage at 100 and 500 mhz. Assuming 1 kw ERP and 150 meters HAAT, NAB estimates that a Eureka-type DAB system would provide a coverage radius of 43 miles (69 km), dropping to 31 miles (50 km) at 500 mhz.

FCC Votes to Curb FM Translator Growth

As expected, the FCC approved rules to end "translator abuse." While the full text of the rules has not been released, it has been learned that any hope translator operators had of offering low-power FM has been dashed. Translators outside the primaries of full power stations will be limited to 30 seconds per hour announcements (or what I call commercials since the time limit is defined) acknowledging or soliciting funds. Those translators will also be allowed to broadcast their own emergency announcements, such as storm warnings. Much more relaxed rules are provided translators relaying stations within the primary signal area (1 mV/m) of an originating station. There, they are free to enter into any type of financial arrangement they want to.

The new rules remove restrictions on ownership or financial support to translators in "white areas," outside the protected contours of any full-time [FM] station. FM translators are forbidden to relay AM stations, but they will be able to operate

on all 80 commercial channels, 92.1 through 107.9. The power limit goes up to 250 watts, with 13 km coverage in any one direction for translators west of the Mississippi River, and seven km for those in the east and in southern California. Originally the FCC proposed a 1 kw maximum with 16 km coverage, but this was slightly reduced. It is expected that many translators will improve their facilities to take advantage of this higher power and/or coverage. Some may elect to go omnidirectional with a 13 or seven km coverage radius, rather than stay directional with only one lobe getting out close to that distance. Educational translators, 88.1 through 91.9, can operate outside their primary coverage areas, use satellites, and are expected also to get the nod for 250-watts' operation. Translators already on the air will be grandfathered from compliance with the new technical rules unless a broadcaster complains they are causing interference, but must comply with the new rules within three years. The FCC will consider waiver requests for extended periods for translators showing that service to the public would be unduly lost as a result of compliance with the new rules.

FCC Tightens Station Move Rules

A new policy of the FCC is said to involve a more realistic look at local service as the basis of whether or not a station can move its allocation from one city to another. The Commission will assess whether the migration of a station from a smaller town to a suburb of a larger metropolitan area (with a multiplicity of existing broadcast services) would genuinely serve the FCC's policies of fostering equitable distribution of local service. How this would work in the real world is unclear. "The thrust of the FCC's new policy direction should place significant limits on those seeking to move broadcast facilities away from smaller towns and into larger, well-served markets," the NAB said. As far back as 1988, when the FCC first looked into the matter, the NAB cautioned against any policy change "that might threaten the concepts of broadcast localism and the fair and equitable distribution of broadcast licenses." One of the criteria a broadcaster wanting to change its city of license faces is the so-called "Huntington Rule," which asks: "Is the proposed community a real community or merely an environ of a larger city? Is it really a first service to a new community or merely another service to the larger community?" Obviously, the matter is far from settled, with the FCC only beginning to grapple with a problem that has been growing since 1988. It would appear that applicants for a community of license change involving a move-in might have a better chance if they can simultaneously provide a new channel in the city that they propose leaving—so that service to the public actually increases instead of decreases.

The "M Street Journal" comments: "At some unseen future point, the FCC's maintenance of a structure whereby licensee fitness is determined by the licensee's service to a community of license must

either quietly be dropped or will collide headfirst with the commodification of radio. Recent trends such as AM and FM superstations, time leasing on non-owned stations, and station moves of 100 miles or more have been an inevitable result of years of cynical manipulation—by broadcasters and by a deregulation-oriented FCC—of this structure. It's time to make the concept of public service real, or scrap it completely. The farce that broadcasters and the general public must currently endure serves nobody but the lawyers."

CRTC Loosens Rules for Natives

The Canadian Radio-Television and Telecommunications Commission announced a new policy allowing more advertising on native radio (mostly low power stations in the far north). No quotas are set on native music. All advertising restrictions are removed from native stations with no competition, which also will no longer have to file promises of performances. Native stations with competition are allowed an average of four minutes of ads per hour and must continue to file promises of performance. CRT Chairman Keith Spicer says the policy recognizes that native broadcasters "are the most qualified to determine and meet the needs of their audiences." About 100 native stations are on the air, mostly on FM in small remote communities, reports the Canadian Broadcast Technology magazine.

Other Small Print Happenings and FM Industry News

Shamrock Broadcasting is swapping its KMGC 102.9 Dallas TX for KWSS 94.5 Gilroy CA plus an undisclosed amount of cash. Seller of KWSS is Nationwide Communications of Columbus OH, which is trying to get into larger markets. A previous agreement to sell KMGC to Alliance Broadcasting, Inc., was not consummated. Earlier this year NCI bought KHM 96.5 Houston, which is the No. 10 market nationally.

KWSS serve San Jose CA.

Seven FL radio stations have been granted license renewals subject to sanctions for EEO violations. FM stations rapped with sanctions were: WPAP 92.5 Panama City, WJLQ 100.7 Pensacola and WEZY-FM 94.1 Lakeland. WMMY (now WGGD) 102.3 Melbourne was hit with a \$10,000 fine and short-term renewal. Indecency fines included KLOL 101.1 Houston \$6000 and KSD 93.7 St. Louis \$2000. The Houston fine was for incidents during the morning show, involving statements made by listeners telephoning the show. This prompted three letters to the FCC about the station. "The fine did not affect the station's license, which was renewed for the standard seven years."

FCC station totals as of Oct. 31: AM 4984; FM (92-108 mhz) 4368, FM educational (88-92 mhz) 1436, FM translators/boosters 1854.

The Broadcast Cable Association has formed the "Stop Notarization Committee," contending that notarizing broadcast invoices for advertisers is useless. They propose use of a statement, "We warrant that the actual broadcast information shown on this invoice was taken from the official program log," on all invoices.

For more information call BCCA at (708) 827-9330.

A "public radio group" in Hawaii sent a letter to the FCC telling it would like to operate a low-power FM station (under 100 watts). The FCC replied, "Unfortunately, there are no provisions in our rules to operate the kind of

station you propose," but eventually the station went on the air without benefit of an FCC construction permit. In October, 1989, the FCC inspected the station and fined the organization \$750. After numerous pleadings the fine was reduced to \$100, payable in two installments.

The FCC's San Francisco office shut down unlicensed "KJAM" 90.7 Los Banos CA. Radio direction finding equipment was used to locate the station at 1448 Ward Road, home of Victor Ruiz, who was fined \$1000. Pirate FM station "KRAZY," Moreno Valley CA, 104.9, was shut down by the San Diego FCC Field Office. Mike Donovan, the owner, was fined \$1000. The station reportedly had over 25 volunteer DJs and other staffers. Donovan saw the station as an investment, with its 8 watts giving it a coverage of about 8 km.

Dewayne Readus of Springfield IL continues to defy the FCC with his 107.1 mhz "WTRA" signal. It's a flea-powered half-watt, but reaches a large housing project where the blind, black pirate operates. "To our knowledge,

Readus has not paid any fines nor had his transmitter seized," writes Ernie Wilson in his ERNewsletter (for subscribing information on this newsletter full of information on the activities of alternative broadcasters, including pirates, write him at PO Box 130, Paradise CA 95967-0130; Wilson's Panaxis Productions now has a 10 watt stereo transmitter approved for use in schools in England; Greenpeace International is another customer for a 10-watt transmitter kit to be used during their Antarctic expedition; those kits are "not available nor could they be used in the United States").

Another well-known pirate is Walter Dunn, the "Black Rose" of Fresno CA, and he has also not paid any fines. He has, however, had equipment confiscated several times. Dunn claims a network of Zoom Black Magic stations forming across the country. "It appears Dewayne Readus is part of that network, as he now IDs his station as Zoom Black Magic and has changed his name to Mbanna Kantako," says Wilson.

KSJV *91.5 Fresno CA has turned down a \$15,000 grant for "Noticimro Latino," from the National Endowment for the Arts. "We don't want to be part of what we consider a scheme to restrict our artistic freedom and speech," said Hugo Morales, executive director of KSJV. The funding would have amounted to 7.5 percent of the station's \$200,000 budget. So far about 12 potential grant recipients have turned down NEA funding, but KSJV is the first known radio station to do so. WNYC-FM New York was considering refusing a \$250,000 grant for "Radio Stage."

WUFT-FM *89.1 Gainesville FL received the top share of any public radio station in the nation at 8%, while closely following were WSQG *90.9 Ithaca NY at 7.1, and KSOR *90.1

Ashland OR at 6.1. Top rated cumes, not surprisingly, are in the largest markets: WNYC-FM *93.9 New York, KUSC *91.5 Los Angeles, WETA-FM *90.9 Washington DC, KQED-FM *88.5 San Francisco and WGBH *89.7 Boston. Also doing well was WAMC *90.3 Albany NY, which ranked 19th out of all noncommercial stations in the nation in weekly cumes. According to Arbitron, 149,300 listeners tune in WAMC during the average week, representing about six percent of the population of the region.

WMHT-FM *89.1 Schenectady launched another recent fund-drive in an effort to wipe out a \$27,204 shortfall from the station's mid-year drive, which had a goal of \$75,000. WFCR *88.5 Amherst, just across the border in MA, came up short in its quest for \$75,000; raising only \$65,300 during its recent fund drive. They, too, have decided on a fall fund-raiser.

The days of KKWM-FM 97.9 Dallas as a soft contemporary station may be numbered—at least that's speculation by Ken Parish Perkins in the "Dallas Morning News," now that the station is about to be sold to Cox Enterprises of Atlanta. "WARM" has done miserably in the

ratings, with Cox said to be studying the market for "possible holes" where it can nab a good audience share and come up with a profit.

Four Boston stations are digging into their pockets and coming up with \$2 million to rebuild their antenna atop the Prudential Building. They're forced to do this to reduce radiation levels to the surrounding neighborhood. Each station will pay \$500,000 to make changes which "the average consumer will not notice" in the sound of any of the stations, which are: WMJX 106.7, WXKS-FM 107.9, WBCN 104.1, and WZLX 100.7.

A little-known proposed federal tax on radio stations has surfaced in the battle of the budget discussions. It would impose a five percent tax on all yearly radio station revenues above \$100,000. It is, of course, not a popular idea among radio station executives. It would hit virtually all radio stations that are profitable.

AT&E Corp. in San Francisco is changing its business strategy for developing a nationwide FM/SCS radio network and selling wristwatch pagers. Now, the firm will concentrate on entering joint ventures, partnerships and license agreements in collaboration with leading companies in the communications industry, rather than doing the financing itself. The company claims to have successfully completed tests of its wristwatch pager in Portland and OR, with a commercial rollout in other cities next year dependent on obtaining more financing. Some 1850 persons in Portland paid \$225 for the watch and \$12.50 per month for the airtime, according to *Data Broadcasting Report*.

An issue was added to the hearing for a new FM at Valley Station KY (105.9 mhz), when it was discovered that one applicant—Louisville Community Broadcasting—has ties to former broadcast attorney Thomas Root. Louisville Community Broadcasting is the 14th Root client called into question by the FCC, and one of 10 applicants for the SW Louisville suburban allocation.

Ethics of a mail promotion by WBOS 92.9 Brookline-Boston MA have been questioned, especially by station competitors. The letters were ostensibly from the station's research director and asked for participation in a "survey." People getting the letter were told that "each participant has been assigned a specific radio station. We would greatly appreciate your cooperation by listening to your assigned station for one hour and completing the brief survey card enclosed... A donation will be made to the Family to Family Fund for the Homeless when we receive your completed survey card." The "assigned" station for all recipients is WBOS, and even though the project isn't illegal, the ethics behind it have been questioned.

CHUM-FM 104.5 Toronto is Canada's most listened-to radio station, according to BBM ratings. It was, as of last summer, the only station in Canada with over a million listeners. Canada is a country with 687 radio stations—395 AM and 302 FM—this according to data from the Canadian Media Directors' Council Media Digest, and reported in "Broadcast Technology" magazine.

From the classifieds: ITC FM translator with dual 1 watt amplifiers, 2 Scala antennae and cables, George Thomas, WMSI, 1375 Beasley Rd., Jackson MS 39206; (601) 982-1062.

Wants a 10-bay FM antenna tunable to 105.5, coax and type-approved STL Orban 81004 processor. Charles Frodsham, KVSF-FM, PO Box 7, Beloit KS 67420.

Sales person for Class A Christian station. Resume to WQJU, 22 N. Fourth St., Mifflintown PA 17059.

Easy listening music, 250 reels, no duplicates, \$10 per reel or best offer. Jim Wenstrom, Wynne Broadcasting, 1338 Oregon, Klamath Falls OR 97601; (503) 882-4656.

Top 100,000 watt FM Christian station taking tapes and resumes for possible

openings. Strong production skills and technical interest preferred, KGBI, 1515 S. 10th St., Omaha NE 68108.

For sale Bogen TP200 digital stereo tuner, new, \$200, Bogen TP50 mono AM/FM tuner new \$100, E. Davison, 217-787-0800.

McMartin TR-66A SCA receiver for sale, WGER, 6165 Bay Road, Saginaw MI 48604; 517-792-1063.

"I got an inquiry from one of your readers, which is more than I got from my ad in Radio World. Would you run it again this month?" High quality micro-miniature 67 kHz SCA decoder, about 1" square, prewired and ready to install, \$15, D. Jackway, 5472 Fair oak, Springfield MO 65810; (417) 881-1846.

FM FORUM

CONTRIBUTIONS FROM READERS

WWHB 107.1 Hampton Bays NY started it, in relaying WNEW-FM New York. Now WHFM 95.3 in Southampton is entertaining offers to relay either WHTZ 100.3 Newark or WCBS-FM 101.1 New York, and WHTZ is hoping to line up a network of suburban stations to relay its programming. Look for sales of FM yagi antennas to perk up as broadcasters across the country discover the easy way to program an FM station is just to receive a nearby station, rebroadcast its programming, and turn an easy profit! They can credit WWHB for having started it all. According to information Bill Nienajadly sent, "The small station gets hundreds of thousands of dollars from the bigger station and still can maintain an identity. The big station benefits by being heard in areas outside its normal reach. This translates into a larger listening audience for the bigger station, which can now command larger advertising rates." And they thought FM translators were a threat to FM's localism!

Gay-bashing—or how far can a radio station go in not honoring a request? Seems WSHH 99.7 Pittsburgh got accused of being unkind to homosexuals when a guy wanted to dedicate a song to "my lover, Michael." DJ Leah Klocker failed to air the request, saying she refused to use the word "lover" on the air. Issue is before the city's Human Relations Commission.

Playing a radio in a store you may own may be hazardous to your economic health. That's what Ted Strawser, 55, found out when a BMI rep called on his Patterson Furniture Store in Wolcottville IN, population 800. Stunned, he called BMI in NJ and found out that playing a radio loud enough for customers to hear it required a contract with BMI (and maybe ASCAP and SESAC) and he'd have to pay an annual fee of \$600 a year. "So, under threat of legal action, Strawser turned off the radio in his furniture store. He signed up with Muzak, which now supplies him with music," probably via

FM/SCS. It's costing him \$38/month. Even Paul Harvey News caught this story, with Strawser quoted: "Sometimes I don't know what's going on in this country."

The NAB has come out with help to radio broadcasters, who may find themselves in a bind between paying music licenses themselves and stores, who play the stations and are also asked to fork over money for a license to play the radio station in the store. This causes animosity among radio advertisers, who may be loathe to buy time on a station they can no longer play freely in the business. Here's a sample letter the NAB is suggesting stations send to businesses which have had that problem:

Dear (personalize):

We are writing to inform you about some of the requirements for the licensing of music played in commercial establishments, and about an exception to the requirements which you may be able to use to avoid having to acquire (and pay for) a music license from the music licensing organization that has contacted you.

First, let us assure you that our station has absolutely nothing to do with any demands made by music licensing organizations. In fact, we are on your side. We have to pay music licensing fees, and just like you, we believe that businesses should not be forced to pay again for music that has been paid for. Unfortunately, Congress does not share this view, and has established a licensing requirement for "retransmissions" of music played by radio and TV stations.

Simply because you may receive a letter from a music licensing organization does not necessarily mean that you must obtain a license. These companies sometimes send blanket mailings to businesses in a given area, without ever setting foot into the business. The following information should help you decide whether you must obtain a license.

Under current copyright laws, commercial establishments that air on-premises music generally must acquire performing rights licenses, whether the music is played by live musicians, a disc jockey, or comes from off-the-air radio broadcasts. The license is necessary regardless of whether the music is intended as merely background or as featured entertainment. Even though a radio station has a license to perform the music it broadcasts, that license does not cover further performances by persons receiving the broadcasts. Thus, a business which plays a radio station generally must independently acquire a license to retransmit the music broadcast by that station.

Exceptions

One exception to the general rule against unlicensed public performances of music is the exemption for small commercial establishments. To qualify for this exemption, four conditions must be met:

- 1) There must be no charge to hear the music;
- 2) the radio receiver generally must be in the same area as the speakers (for example, the receiver cannot be in the manager's office while the speakers are in the sales area);
- 3) the music must be played in a small area, generally 102 square meters (1100 square feet) or less; and
- 4) the equipment used must be of a kind commonly used in private homes, with no more than four speakers. In interpreting this exception, some courts also have considered whether the revenues of the business are such as to make subscription to a music service impractical. A business failing to meet any one of these requirements generally must acquire a license to continue using off-the-air music broadcasts.

If you believe that your business meets the exception requirements, and you are confronted with a demand from a music licensing organization, you should write to them and explain why your business need not obtain a license, and ask for their reasons why they think you must get a license. Whatever the outcome, we hope that this licensing requirement will not deter you from playing our station at your business.

Sincerely,

Your Station

A Delco/General Motors employee in Kokomo IN sent a copy of the RDS newsletter from Europe, which I also get. RDS transmits on a 57 kHz subcarrier, and is found in the radios of top-of-the-line Fords sold in Europe. Ford and Delco are believed to be poised to offer the technology here, including road traffic alertings and automatic station ID displays on the radio dials.

The CBC is applying for a full-powered relay on Saturna Island southwest of Vancouver to relay CBU 690, according to Mike Cherry. "What a complete waste! Only if 690 were to be shut down entirely as is the case with numerous CBC 'AM service' broadcasters in Ontario, would this be a spectrum-efficient move. I think the 'bring CBC to Victoria' whiners have gone too far with the pressure on CBC to establish this transmitter. Stay tuned. Incidentally, CBU-FM1 here on Salspring Island (licensed to Victoria) was mono for a few days in order to try and get the satellite feed of CBU-FM105.7 Vancouver working again."

The former owner of WKLI 100.9 Albany NY claimed victory after a judge ruled last month against a demand by the new owner for contested files (see last month, p. 8, col. 2). State Supreme Court Judge Paul N. Cheesman ruled that the files demanded by new station owner Paul Bendat were not his to demand. Bendat was further ordered to pay a disputed \$127,271 in accounts receivable collected by Bendat on behalf of Premier that he was withholding. "We had a complete and total win," said Premier attorney James D. Wood, and I thank Alex Nardacci for that story.

Jim Cumbie in Dallas says that KAAM 1310 AM continues to benefit from the format change at KMEZ 107.5 Fort Worth. They "rose from obscurity to the 16th position, beating out KMEZ, which only managed to make 17th. The climb is especially significant as the rock stations usually clobber the others during the summer. KAAM's programming can best be described as b-format oldies [with] a lot of big band music, but also playing music all the way from the 50s to the 80s. . . Redland TX has been found!

(Actually, there are three in Texas.) The place in question is an unincorporated community a few miles north of Lufkin. The 1990 *Texas Almanac* gives their population as 'not available'. Sounds like it really has a need for a radio station! It was interesting to read on p. 8 (Sept. issue) of WUMS. It called to mind Dave Thomas' outlaw station, WUMS [Proctorville OH]. Dave is dead and gone now; he was certainly a strange and colorful character!"

Also sending information on the location of Redland TX (9-90 issue) was Chip Kelley, who found it on the Mobil Road Atlas and trip planning guide. That's the town KRTX 104.9 Galveston wants to move to.

FMedia! renewer Joe Zayonc sent some news along with his check. He mentioned all the beautiful music stations in New England that have defected from that format. An old AM station, WEAN 790 Providence RI, has just switched—this time to the WLKW calls once carried by 101.5 FM and to beautiful music. They are making announcements proclaiming how management abandoned "thousands of listeners" when they switched to oldies on the FM and how it took them a year to bring a missing service back. "Also interesting is that WLKW-FM had an AM (990) which changed its call letters and went to all talk about the same time the FM changed. It will be interesting to see just how dead AM radio is, since, even though it is not one of my favorite formats, WLKW-FM was fairly popular when it was on the air and it's now returned with its exact same format. Many of the WLKW-FM listeners probably switched to such stations as WSRS, WJIB or WPLM and are now listening to what I would call a compromised format compared to what they had before." WLKW AM seems to be "banking on people choosing a format rather than choosing AM or FM. I would think this would be risky where beautiful music is concerned. This should be a good test for AM vs. FM." [It didn't work out in Minneapolis where WAYL's former easy-listening went from 93.7 FM to 980 AM; KKJZ 540 in CA was not a success with its jazz format, having moved from 105.1 FM. Like Marshall McLuhan would say, the medium is the message—b.e.] In local news WICN *90.5 Worcester now on a new tower with a much improved signal (now 12600 h,v; 89 m directional antenna).

A blessed Christmas and prosperous and health-filled 1991 to all. Until that year,

James D. Wood