

A newsletter of fact and opinion about FM radio and related technologies—from the publisher of the *FM Atlas*. Published monthly (although when the *FM Atlas* is being prepared there may be no issue). Subscription price \$75.00 annually, single copies \$6.50. ISSN 0890-6718. Phoning? 218-879-7676; FAX 218-879-8333; cell 218-940-7756. Ordering? 1-800-605-2219. Copyright © 2005, FM Atlas. E-mail: FmAtlas@aol.com

New FM Stations, Translators, Low Power FM Stations Granted

Translators have less than 100 watts unless shown otherwise; technical parameters for most LPFM stations are not announced, but can be up to 100 watts at 30 meters above average terrain (horizontal, vertical or both h & v)

- AL Jackson W223BF *92.5 (WAOY 91.7 Gulfport MS translator), h,v
- AK King Salmon K285FT 104.9 (KWVW 103.5 Homer), 250 h,v
- AK Whittier K275BA 102.9 (KPEN 101.7 Soldotna), 250 h,v
- K293BD 106.5 (KWVW), 250 h,v
- AZ Tonto Basin K286BI *105.1 (KRIM-LP 96.3 Payson), h,v [Sikoam Springs], h,v
- AR Norfolk K233BX *94.5 (KSSQ-LP 102.3/ CA Berry Creek K240DN *95.9 (KRBS-LP 107.1 Oroville), h,v
- CA El Centro K259BJ *99.7 (KYRM 91.9 Yuma AZ), h,v
- CA Kramer Junction (SE Boron, on the highway) K289BF *105.7 (KXRD 89.5 Victorville), h,v
- CA Pacoima [Reservoir, with transmitter just west of San Fernando] K216FM *91.1 (KTLW 88.9 Lancaster CA), v
- CA Pebble Beach K254BF *98.7 (KAZU 90.3 Pacific Grove), h,v
- CA Santa Barbara K227BI *93.3 (KLVH 88.5 San Luis Obispo), h,v
- CO Colorado Springs KSTY-1 104.5 3 watts h,v, no directional antenna. Booster of Cañon City station.
- CO Commerce City KBRU-1 101.5 1900 h,v; d-a with 100% power 350-170°.
- FL Fort Meade W275AX *102.9 (WSMR 89.1 Sarasota translator), h,v
- FL Kissimmee *93.7 City of Kissimmee, LPFM
- FL Lake Placid W284BO *104.7 (WWWp-LP 99.9 Wauchula), h,v
- FL North Miami (east of Opa-Locka) W245BF *96.9 (WMCU 89.7 Miami), h,v
- W237CT *95.3 (WRGP 88.1 Homestead), h,v
- GA Trion-Summerville-Rome WATG 95.7 \$, "Oldies 95.7," 1300 h,v; 217 m, TTA Broadcasting, Inc. This is apparently a separate station from WSRM 95.3 Coosa GA. See Dec. p. 3, col. 2.
- KS Haysville K240DM *95.9 (KCVW 94.3 Kingman), 250 h,v [Medford Lakes], h,v
- MD Annapolis W260BM *99.9 (WVAV 90.5/ MI Jackson *89.7 500 watts h,v; 37 m, Great Lakes Community Broadcasting, Inc.
- MT Bozeman K262AZ *100.3 (KVCM 103.1 Helena), h,v
- MT Helena K253AT *98.5 (KFRD 88.3 Butte), h,v
- NE La Vista K224DJ *92.7 (KLCV 88.5 Lincoln), 140 h,v
- NE Omaha K229BI *93.7 (KLCV), h,v. The FCC denied petitions against this station by KHUS 93.3 Bennington and KQCH 94.1 Omaha.
- NJ Manahawkin W250BA *97.9 (WXXY 88.7 Port Republic NJ), h,v [88.5 Suyssex NJ], h,v
- NJ Pompton Lakes W276BX *103.1 (WVJP/ NM Cliff K228EQ *93.5 (KRWG 90.7 Las Cruces), h,v [Farms], h,v
- NM Farmington K237EQ *95.3 (kqlv 105.5 Bosque/ K273BM *102.5 (KLYT 88.3 Albuquerque), h,v
- NM Roswell K223BH *92.5 (new 91.3 application for Lovington NM), h,v [Susquehanna PA], h,v
- NY Endwell W296BS 107.1 (WCDW 100.5/ ND Langdon K253AV *98.5 (KDJZ 100.7 Harwood), 140 h,v [Akron], h,v
- OH Cleveland W279BT *103.7 (WAPS 91.3/ OR Eagle Point *94.9 Multicultural Assn. of South Oregon, LPFM
- PA Bear Creek W280DY *103.9 (WBYP 89.1 Hawley), h,v
- PA Hamburg W259AU *99.7 (WZQX 88.3 Chambersburg), h,v
- W279BS *103.7 (WBYO 88.9 Sellersville), h,v
- SC Lexington *107.7 Gethsemane Anabaptist Church, LPFM
- SC Newberry *95.5 Newberry College, LPFM
- SD Pierre K250AP *97.9 (KPGN-LP 104.7 Pierre), 140 h,v
- TX Bryan *97.1 Assemblage of Praise Church, LPFM
- TX College Station *96.9 St. Mary's Catholic Church, LPFM
- TX Hollywood Park (transmitter N. edge of San Antonio) K229BJ *93.7 (KKER 88.7 Kerrville), h,v
- TX Odessa K269FG *101.7 (KLVW 88.7 West Odessa), h,v
- TX West Lake Hills (NW side of Austin) K236AY *95.1 (KXPW-LP 106.7 Georgetown TX), h,v
- UT Francis K260BD *99.9 (KYCC 90.1 Stockton CA), h,v. Received via K217CL 91.3 Provo.
- UT Park City KXRK-1 96.3 1300 h,v; d-a, with 100% power 180°. Booster of Provo station. Its location is well north of Park City, SW Coalville, while K243AC *96.5 Park City has its transmitter on the NW edge of Park City.
- UT Provo K217CL *91.3 (KYCC), h,v
- KDUT-5 102.3 99 watts h,v; d-a, booster of Randolph station.
- UT Sandy KHTB-1 94.9 6000 h,v; d-a, with 100% power 60-250°
- UT Tooele KHTB-2 94.9 4600 h,v; d-a, with 100% power 60-250°
- WV West Milford W244CB *96.7 (WDKL 95.9 Graf-ton), h,v. Its transmitter to be E. of Clarksburg.
- WI Mukwonago *92.9 Kettle Moraine Community Radio, LPFM.
- WY Laramie 98.7 110 h,v; 327 m, Mount Rushmore Broadcasting, Inc. [h,v
- PR Arroyo W225AY *92.9 (WZOL 92.1 Luquillo)/ AB Red Deer CFDV 106.7 \$ 100000 h,v; 224 m, rock, "The Drive," Jim Pattison Industries Ltd.
- MB Fort Alexander VF2463 102.7 48 watts v, 31 m, Sagkeeng First Nation
- MB St. Norbert VF2384 *88.5 9 used to be on 102.3) 1 watt v only, 10 m. Unlike what I said in Dec., this station will be listed in the *FM Atlas*. Owned with VF2385 Emerson and VF2386 Morris, both *88.9, and supposed to be on air 24 hours.
- NS Inverness CJFX-1 102.5 2330 h,v; 174 m, d-a, \$, relay of 98.9 Antigonish
- NS Yarmouth CJLS-3 94.7 50 watts v, 174 m, d-a, \$. Relay of 95.5 Yarmouth "to resolve CJLS's signal deficiencies, which re caused by rough terrain surrounding the Tuskett Falls transmitter site."
- ON Hearst CKHT 94.5 1200 h, 51 m, \$, relay of CKAP 100.9 Kapuskasing. Time-beingly on at lower power.
- PQ Chandler CFMV 92.1 10 h, 9 m, d-a, Radio du Golfe, Inc.

Call Letters Assigned or Changed

- CA Alturas *97.9 KMAI-LP
- CA Davis 104.3 KXSE (KRRE), S, r, "Super Estrella"
- CA Redondo Beach 93.5 KDAy (KZAB), "K Day"
- DE Bethany Beach 103.5 WJJK (WJNE)
- FL Spring Hill 106.3 WJQB (WGUL-FM), o, "Juke Box Hits 106.3"
- GA Pavo *90.5 WVRI (WNKL), to be Air 1.
- IL Canton 107.9 WCDD (WBYS-FM), o, classic hits, "CD 107.9"
- IL Du Quoin *105.9 WCFS-LP
- IN Mitchell 102.5 WQRJ (WNUF)
- MD Salisbury 105.5 WDKZ (WLWV), r, CHR, "105.5 Kiss FM"
- MA Oak Bluffs *93.7 WVYV-LP, kr, plus talk, rap, rock, "and the entire spectrum of radio noise. [It will come on] some time next fall."
- MI Cedar Lake *93.5 WGLN-LP
- MS Canton *100.5 WWCV-LP
- OH Wauseon *96.9 WNKL (WXQQ), gr, "K Love." Had been stunting. Noncommercial operation.
- SC Irmo (move from Saluda) WWNU (WJES-FM) 92.1, o, now on the air as a C3. Had been silent.
- TX El Paso 97.5 KBNA-FM* (KBNA-FM; AM's getting new calls)

UT Bountiful 94.9 KHTB-3 (from KHTB-2), 1000 h,v; d-a, with 100% power 10-290°
 UT Salt Lake City 102.3 KDUT-2 (from KDUT-5)
 VA Crewe 104.7 WPZZ (WKJS), "Praise 104.7"
 VA Richmond *97.3 WRIR-LP
 105.7 WKJS (WJMO-FM), "Kiss FM"
 WI La Crosse 93.7 K229BH (from W229AX)
 AB Bonnyville 99.7 CKLM-1 (not CKLM-7)
 AB Cold Lake 95.3 CJXK (CJCM)
 AB Edmonton 89.3 CJJE, \$[tereo]
 AB Wainwright 93.7 CKWY
 BC Kerness Mine Site 101.1 VF2370, \$
 NF St. John's 101.1 CKSJ
 ON Pembroke 99.7 CKQB-1
 ON Woodstock 94.3 CJFH
 PQ Kilometre 38 98.5 VF2403 (not VF2043)
 PQ Montreal 91.9 CKLX, 1780 h,v (d-a), 193 m
 PQ Rouyn-Noranda 98.3 CHUN, to 500 h,v (103 m)
 SK Wynward *103.1 VF2426 (from CJQL)
 NF Fort Simpson *98.1 VF2472
 BN Tijuana 99.3 XHOCL (XHHCRC)

Facilities' Changes Granted

AL Coaling (move from Cordova) WFFN 95.3 17500 h,v; 256 m, C2. No multi-city IDs for now.
 AL Heffin WPIL *91.7 1000 h,v; 1 m, d-a, with 57% power 280-320° [93000 h,v; 309 m
 AL Helena (move from Northport) WANZ 100.5/
 AL Montgomery-Troy WTSU *89.9 100000 h,v (234 m), d-a, with 75% power 0-5°, 290-295° [C3, (d-a)
 AL Scottsboro WKEA-FM 98.3 12000 h,v; 146 m/
 AL Selma W232AN *94.3 250 h,v
 WDXX 100.1 150 m (50000 h,v)
 AL Snowdon W218CD *91.5 (from W219CR 91.7), v
 AK Nome KICY-FM 100.3 1000 h,v; -110 m
 AZ Kingman K207DX *89.3 (from K209AN 89.7), h,v
 AZ Safford KXXQ 94.3 (from 94.1) 1700 h,v; 671 m, C2 [103.9], 130 h,v
 CA West Point K283AY 104.5 (from K280EN)
 CO Steamboat Springs K216FW *91.1 (from K219DA 91.7), h,v
 FL Clewiston W212BU *90.3, h,v (from W213AF 90.5, h). Now less than 100 watts (was more than 100 w).
 FL Tampa WBVM *90.5 292 m (100000 h,v; d-a)
 GA Blairsville W232BD 94.3 to h,v (less than 100 w)
 GA Brunswick W218BK *91.5 to v (from h,v)
 GA Coosa WSRM 95.3 6000 h,v; 32 m
 HI Anahola K224CQ 92.7 250 h,v
 ID Mountain Home K272DV *102.3 to v (from h,v)
 ID Rexburg K254AX *98.7 170 watts h,v
 ID Rigby KLRI *89.5 78000 v, 466 m, C0
 IL De Kalb W205CC *88.9 (from W259AM 99.7), h,v
 IL Mount Prospect W206BL *89.1 (from W207BJ 89.3), 120 h,v [146 m, B1
 IN Loogootee WBHW *88.7 5300 h,v (adding h)/
 KS Hutchinson KZSN 102.1 313 m (100000 h,v), C0
 MD Easton WCEI 96.7 12300 h,v; 141 m, d-a, with 48% power 340°
 MI Bessemer W225AV *92.9 with WMVM 90.7 Goodman WI (from KDNW 97.3 Duluth MN)
 MI Coopersville (move from Hart) WCXT 105.3 146 m (50000 h,v). Not to ID with Ludington.
 MI Hart (move from Pentwater) WWKR 94.1
 MI Ironwood W223AQ *92.5 with WMVM (from KDNW)
 MN Albertville K221ES *92.1 250 h,v
 MS Amory WAFM 95.7 (from 95.3) 83 m (6000 h,v)
 MO Cuba KESY 107.3 6700 h,v; 191 m

MO Joplin K271AL *102.1 170 h,v
 MO St. Louis KLOU 103.3 90000 h,v; 313 m
 NV Pahrump K211DC *90.1 to v (from h,v)
 NH Manchester W270AV *101.9 120 watts h,v
 NM Alamogordo KZZX 105.3 1370 h,v; 412 m, C3
 NM Portales K217FA *91.3 (from K214DH 90.7), h,v
 NM Tucumcari KQAY 92.7 3000 h,v; 126 m
 NY Arcade WCOF *89.5 1000 h,v; 181 m, no d-a
 NY Morrisville W262AP *100.3 to 170 h,v
 NY New York WCBS-FM 101.1's facilities' change (last month p. 3, col. 2) places its primary coverage at 53 km, not the maximum 52 km for a Class B (60 dBu). I checked with the FCC, and they told me WCBS-FM is grandfathered in with its greater coverage.
 NY Oneonta W257BL 99.3 250 h,v
 NC Charlotte WFAE *90.7 d-a (directional antenna)
 NC New Bern W210BS *89.9 (from W211BL 90.1), 120 h,v
 NC Old Fort WQNG 104.3 470 h,v; 349 m, no d-a
 ND Williston K203DU 98.5 to v (less than 100 watts)
 OH Ashland W216AH *91.1 h,v (to less than 100 watts)
 OK Mooreland K206CI *89.1 to v (from h,v)
 OR Baker City KDJC *88.1 1300 h,v; 545 m. Adds h, removes d-a (directional antenna)
 OR Coos Bay K239AL 95.7 250 h,v,
 OR Corvallis K212AK *90.3 to v (less than 100 w, from h[orizontal])
 OR Empire K262AU 100.3 150 h,v
 OR Gold Beach K201EQ *88.1 to h,v (adds h)
 OR North Bend/Coos Bay K299AA 107.7 250 h,v (adds vertical)
 PA Everett WSKE 104.3 820 h,v; 270 m
 PA Mercer WWIZ 103.9 6000 h,v; 90 m
 PA Philadelphia WSNH 104.5 11500 h,v; 308 m
 SC Charleston W205BJ *88.9 to v (from h,v)
 SC Greenville WTBI-FM *91.5 (from 91.7) 22500 h,v (128 m), C2
 SC Immo W219CY *91.7 (from W222AD 92.3), h,v
 SC South Charleston W201CH *88.1 to v (from h,v)
 TN Memphis K229AJ *93.7 h,v (less than 100 w)
 TN Murfreesboro WMOT *89.5 d-a
 TX Beaumont K277AG 103.3 to h,v (less than 100 w)
 TX McQueeney K227BH 93.3 (from K229BF 93.7), 120 h,v
 UT Salt Lake City KUDD-1 107.9 220 h,v; no d-a
 UT Willard (move from Ogden) K221FA *92.1 (from K223AK 92.5), 250 h,v
 VT Addison WXAL-FM 93.7 21000 h,v; 108 m (d-a)
 VA Woodlawn W274AZ *102.7 (from W277BD 103.3), h,v
 WA Ellensburg K256AY *99.1 250 h,v
 WI Howards Grove W237CE *95.3 with WRVM 102.7 Suring (from WNNC-FM 102.5 Madison)
 WI Manitowoc W264BE *100.7 with WRVM (from WNNC-FM)
 WI Medford W273BK *102.5 WRVM (from WCLQ 89.5 Wausau)
 WI Mosinee W272BT *102.3 WRVM (from WCLQ)
 WI Omro W268BC *101.5 WRVM (from WNNC-FM)
 WI Park Falls W2136AS *95.1 with WMVM 90.7 Goodman (from KDNW 97.3 Duluth)
 WI Port Washington W273AT *102.5 WRVM (from WNNC-FM)
 WI Stevens Point W232BE *94.3 WRVM (from WNNC-FM)

WY Powell KLZY 92.5 200 m, d-a (100000 h,v), with 100% power 60-250°
 AB Banff CKIS-1 94.3 200 h,v; 320 m (d-a). Was gonna switch to 94.1, "but now it's not, I guess."
 AB Calgary CHFM 95.9 48000 h,v; 160 m (d/a)
 AB Foggy Mountain CIAM-4 104.3 v only
 AB Muskeg River Mine (not "Musker River Mine") VF2454 102.3 v only
 VF2455 105.3 v only
 AB Red Deer CKUA-FM6 101.3 100000 h, 51000 v, 224 m
 AB Watt Mountain CIAM-3 94.1 v only
 BC Kerness Mine Site VF2371 103.9, not 103.7
 BC New Hazelton VF2470 105.9 d-a (but height not yet announced)
 BC Penticton CIGV 100.7 6300 h, 758 m (d-a)
 BC Rock Creek (back to, form Mount Baldy) CKGF-3 103.7 130 h,v; -23 m, getting rid of its d-a.
 BC Tofino CHMZ 90.1 56 m (170 h)
 MB Norway House CJNC 97.9, not 97.7
 MB Snow Lake VF2462 96.3 v only
 NB Moncton CKOE 107.3 (from 100.9) 50 watts v only, 25 m, \$[tereo]
 NF Port-aux-Basques VOAR-10 *99.9 (not 99.7)
 NF Washouk VOAR-12 *102.5 -13 m (50 watts h,v)
 ON Brantford CFWC 93.9 24 m (250 v)
 ON Christian Island CKUN 101.3 48 m (900 h,v)
 ON Hamilton CIWV 94.7 11400 h,v; 136 m (d-a)
 ON Kapuskasing CHYX 93.7 h only
 ON Kenora CKQV-2 104.5 1600 h,v; 113 m
 ON Kitchener CKWR *98.5 15200 (h only, 180 m, d-a)
 ON Midland CICZ 104.1 9350 h,v; 237 m, adding v
 ON Peterborough CJLF-2 89.3 500 h,v; 112 m
 ON Saint Catharines CKEY-1 101.1 d-a
 ON Sudbury CJRQ 92.7 277 m (100000 h,v)
 ON Toronto CFIE 106.5 250 h,v; 303 m (d-a), adds v
 PQ Acton Vale VF8007 *90.1 (from 89.7), 1 watt v only, 21 m
 PQ Quebec CJEC 91.9 13900 h,v (467 m, d-a)
 SK Big Island Lake VF2389 92.7 v only
 SK Prince Albert CBK-FM1 *89.1 25000 (h), 119 m, d-a
 YT Carcross VF2366 *93.3 Industry Canada lists as "Sourdough," which must be a region, not a city.
 YT Whitehorse CFWH *104.5 406 m (d-a, 240 h)

Stereo—Or to be Stereo

MN Hinckley WYSG-LP *96.3, g, playing its own music. Recently it was Christmas music, and may go with LifeTalk. It's on from a 30-m tower at the new Seventh-Day Adventist church building. "We pray that this station will win souls for God's kingdom."
 BC Canyon Creek VF2471 *104.7, now h,v
 BC Quesnel-Kersley CBU-FM6 *106.9
 BC Winfield VF2200 91.9
 NF Grand Falls CBN-1 *90.7
 NF Lewisporte CIFX 93.7
 PQ Becancour-Nicolet CKBN 90.5
 PQ Saint-Jean-d'Orleans CFIN-4 105.5
 PQ St-Simon CIHO-4 88.1
Monophonic
 AR Barling KOLX 94.5 t, mono, sports. Kills off "The Outlaw."
 NJ Millville WIXM 97.3 t, parallel to WKXW-FM 101.5 Trenton, mono, "New Jersey 101.5" (from "Mix 97.3").
 TN Belle Meade WNPL 106.7 t, sports, mono, "106.7 The Fan" (from "Blazin' 106.7")

Format Changes

Formats are the same as in the FM Atlas.

- AL Laverne WNTM 104.3 o, classic hits, "Variety 104.3"
- AR Lake Village KZYQ 104.3 sr, still "Star 104.3"
- CA Alturas KMAI-LP *97.9 t—weather, traffic, surveillance.
- CA Arvin-Bakersfield KMYX-FM 92.5 still S, I, "La Campesina" (not "Play 103.9," as reported last month p. 3, col. 3). "Play 103.9" continues to be KBDS 103.9 Taft CA (see below).
- CA California City KCEL 106.9 S, I, "Radio Lazer" (from "K Cell, the Energy Line").
- CA Gilroy KBAY 94.5 m, "K Bay" (from "94.5 The Bay")
- CA Jackson KOSL 94.3 gr, "The Fish," parallel to KKFS 105.5 Dunnigan.
- CA Mendocino KAKX *89.3 rp, adult alternative
- CA Pacific Grove KAZU *90.3 kj, Americana, \$(tereo) resumed.
- CA San Luis Obispo KLRM 97.1 S, kl, ranchera, "El Sol"
- CA San Rafael KVVZ 100.7 S, I, \$, "Viva," parallel to KVVV 105.7 Santa Clara.
- CA Taft KBDS 103.9 sr, still "Play 103.9"
- CA Temecula KMYT 94.5 j, smoth, "Smooth Jazz 94.5" (from "My 94.5")
- KTMQ 103.3 op
- CA Thousand Palms KLOB 94.7 S, r, "Super Estrella" (from "Radio Lobo")
- CO Castle Rock KJMN 92.1 S, r, "Super Estrella" (from "Radio Romantica")
- CO La Junta KFVR-FM 106.5 k, parallel to KKCS 101.9 Colorado Springs
- CT Torrington WAPJ *89.9 kr plus classical. The "k" consists of bluegrass and polkas. Following a six-month hiatus, WAPJ returns to the air with live local programming, the seven-year-old station's first live broadcast since May when the Nutmeg Conservatory for the Arts asked radio staffers to vacate their borrowed offices on Main Street to make room for the conservatory's growing music program. Founded by Dr. Isadore and Zena Temkin and local attorney Bob Sullivan, the station began broadcasting around the clock, simulcasting WUUH *91.3 West Hartford and WMNR *88.1 Monroe. Regular programming is from its new headquarters at 42 Water St., starting 7 a.m. with "Coffee Hour," featuring the early morning energy of station director Sabrina Roper, one of the dozens of volunteers who helped put WAPJ back on the air. "Over the next month or so, we'll be feeding in some of our newly acquired programs," she said.

WAPJ programming will now be available on the dial also at 105.1, W286iAD Torrington. The station will offer its eclectic mix of polka, bluegrass, and classical music in addition to a slate of familiar and new features. "We have changed from what we previously had to more or less 60 percent community content," Roper said. "Before we had, maybe, 30 percent. And the great thing about having offices that front the street is that we can fulfill our goal as a community service station. It's a mission that we hadn't been able to fulfill in the past." Programming will feature "History Moments" with Torrington Historical Society Executive Director Mark McEachern, "Silver Lining" with Edward E. Sullivan

- Senior Center Director Nancy Gyurko, "Doc Talk" with Dr. Jason Perkal of Torrington-Winsted Pediatric Associates, "Chamber Chat" with Northwest Connecticut Chamber of Commerce President JoAnn Ryan, as well as shows featuring local issues with former 65th District State Representative John Kovaleski and literary discussions with Litchfield resident Joseph Montebello. "We're also working with Torrington High School, and keeping our sports program," Roper said. "But we'd really like to have some folks volunteer for opera and classical music programs." Roper can be reached at 42 Water St., Torrington 06790.
- FL Cypress Quarters WREH *90.5 g (religious teaching), "Reach FM"
- FL Jacksonville WKQL 96.9 still o, now classic hits, "96.9 The Eagle" (warms up from "Cool 96.9").
- FL Pensacola WFYCL 107.3 o, classic hits, "My 107.3" (from "Cool 107.3")
- GA Rome WGTU 102.3 m, still "Q 102"
- GA Sycamore WBLY-LP *101.5 g—southern gospel
- IL Arlington Heights WKIE 92.7 sr, "Nine FM" (from "Onda 92")
- IL Bethalto-St. Louis MO WFUN-FM 95.5 sr, "Foxy 95.5" (from "Q 95.5." Joyner to join its line-up, moving from KMJM 104.9 Columbia IL.
- IL Clinton WHOW-FM 95.9 t, mono (sports), "ESPN 95.9"
- IL De Kalb WDEK 92.5 sr, "Nine FM" (from "Onda 92")
- IL Park Forest WRZA 99.9 sr, "Nine FM" (from "Onda")
- IL Quincy WQCY 103.9 t, sports, mono, "The Fox"
- IL Rantoul WQQB 96.1 r, CHR, "Q 96"
- IL West Frankfort WPKC-LP *95.5 r, hot AC
- IN Brownsburg WKLU 101.9 o, classic hits, uses calls, "The New WKLU" (from "Kool 101.9"). It's been sold by Bruce Quinn (see below).
- IN Columbus WHUM-LP *98.5 km, plus folk and oldies, in stereo. Run by Bruce Quinn at 817-379-9985. "Yeah, I remember using early editions of your *FM Atlas* along with a ruler to find FM channels for allocation. Now I can't see well enough to use print publications." May change calls to WAQM-LP.
- IN Franklin WFCI *89.5 rp, adult alternative, "Radio Underground"
- IN Pendleton WEEM *91.7 rp, adult alternative
- IA Humboldt KHBT 97.7 op, still "The Bolt"
- IA Independence KQMG-FM 95.3 m, "Bright 95.3" (from "Q 95.3")
- KS Colby KTCC *91.9 pr, modern rock. No "92 Jamz."
- KS Lindsborg KQNS 95.5 m, "OZ 95"
- KY Albany WANY-FM 106.3 m, "Mix 106.3 FM"
- LA Laplace WDVV 92.3 rs, "Diva 92.3"
- ME Ellsworth WWMJ 95.7 still o, but now classic hits, "I 95" (from "Magic 95.7")
- MA Southbridge WAFX 100.1 o, classic hits, "The Pike 100 FM" (from "100.1 The Fox").
- MI Detroit Harbor WBHC-LP *96.5 sr
- MI Dowagiac WDOV-FM 92.1 gr, "Positive Hit Radio, Pulse FM" (From "Q 92")
- MI Hartford-Benton Harbor WSPZ 103.7 o
- MI Lake City WAIR *104.9 gr, "Smile FM"
- MN Waseca KRUE 92.1 o, still "Eagle 92.1"
- MS Canton WWCV-LP *100.5 t, travel information
- MS Eupora WLZA 96.1 r, hot AC, still "Laser 96"
- MS Richton WXHB 96.5 g, "Solid Gospel 96.5" (from "The Hub")

- MO Gainesville KMAC 99.7 m, "adult alternative."
- MO Houston KUNQ 99.3 k, classic country, "Q 99.3" (from "99-X")
- NV Las Vegas KWID 101.9 S, o, "La Preciosa" (from "Wild 102")
- NJ Egg Harbor WSJO 104.9 r, hot AC, "SoJo 104.9."
- NJ Ocean City WKOE 106.3 m, "106.3 The Breeze," with stereo resumed (from "New Jersey 101.5").
- NY Hampton Bays WLIR 107.1 pr, modern rock, "The World Famous WLIR."
- NY Queensbury WNYQ 105.7 stunting.
- NY Schuyler Falls WAVX *90.9 gr, "The Wave 90.9"
- NY Southold WBEA 101.7 sr, "Blaze 101.7" (from "Beach Radio 101.7").
- NC Aurora WSTK 104.5 g, southern, "Glory 104.5"
- NC Black Mountain WMIT 106.9 gr, "The Light"
- NC Indian Trail WPZS 100.9 sg, "Parise 100.9." Was stunting.
- NC Hertford WFMZ 104.9 op, no "Classic Hits 104.9"
- NC Hickory WLRZ-LP *99.3 rp, adult alternative, "The Trip 99.3."
- NC Pinetops WPWZ 95.5 s.
- NC Rocky Mount WRVA-FM 100.7 still o, but now classic hits, "100.7 The River." Was stunting
- NC Windsor WURB 97.7 g, "Gospel 100.1 & 97.7"
- NC Winston-Salem WSNC *90.5 j(azz)
- OH Westerville WTDA 103.9 r, classic hits and hot AC, "Ted"
- OK Altus KKVO *90.9 gr, "K Love"
- OR Warm Springs KWLZ 96.5 op, "Lazer 96.5"
- PA Braddock WRKR 96.9 stunting.
- PA Greensburg WJJK 107.1 s, "Magic 107"
- PA York-Hanover WYCR 98.5 o, classic hits, "The Peak 98.5" (from "98-YCR"). After 30 years, "RIP Stereo 98, WYCR, 1974-2004." Its revenues hit \$2 million in 2000, but it's been downhill since.
- SC Charleston WALC 100.5 o, classic hits. "The Drive 100.5" (from "Alice @ 100.5")
- SC Forest Acres WWNQ 94.3 k, classic
- SC Hampton WBHC-FM 92.1 m, "Cruise 92" (from "B 92.1").
- SC Lamar WSIM 93.7 o, "Z 95.5"
- SC McClenville WWBZ 98.9 S, I, regional Mexican, "El Sol" (from "Hot 98-9"). It is parallel to a WAZS AM.
- TX Alamo KJAV 104.9 S, r, commercial operation, "Digital 101.5," parallel to XHAVO 101.5 Rio Bravo TM.
- TX Bishop KFLZ 106.9 S, I. No "Texas Radio" positioner.
- TX Dripping Springs KXXS 104.9 S, kl, Tejano, "Club 104.9 & 92.5"
- TX Elgin KKLB 92.5 S, kl, Tejano, "Club 104.9 & 92.5."
- TX El Paso KHRO 94.7 S, r, still "Super Estrella"
- TX Fredericksburg KNAF-FM 105.7 k
- TX Freer KPBN *90.7 S, gr, "Radio Crisiana"
- TX Houston KLOL 101.1 S, r, "Mega 101 FM"
- TX Markham-Bay City KZRC 92.5 pr, adult alternative. Still "The Kat."
- TX Winnie KKHT-FM 100.7 gt, "The Word." Taking the format that was on 106.9 Conroe (now KHPT).
- UT Bountiful KJMY 99.5 m, "My 99.5." Had been stunting.
- UT Centerville KXRV 105.7 o, classic hits, "The River 105.7."
- WA Spokane KYWL 103.9 r, hot AC, "Bob FM" (from "Wild 103.9")

FMedia! Page 4 MO's KKAC Convinces FCC of Financial Hardship January, 2005

WV Edmond WQAZ-LP *98.5 m, adult standards
WI Kewaunee WAUN 92.7 op, "U Rock," \$[tereo] resumed.

WY Lost Cabin KQYW 99.1 k, "Hit Country 99.1" (from "Magic 99").

PR Anasco WVID *90.3 j. Was silent. Now "VID 90.3."

NS Antigonish CJFX 98.9 r
PQ Montreal CKLX 91.9 j, "Couleur Jazz 91.9"

BN Tijuana XHMORE 98.9 s, "Blazin' 98.9"

On Air—Real Stations and Pi-rates (Selected)

AZ Yuma—Spanish Christian station KYRM *91.9 "recently had a three-day shareathon with a goal of \$90,000. Pledges totaled \$157,000. Many calls came from Mexicali, Mexico, which is beyond our primary coverage area. This tells me that many people are not satisfied with what secular radio has to offer," S.S., Yuma.

CA El Centro KXO-FM 107.5-AM 1230 back on after tower crashed to the ground due to corrosion coming from the highly alkaline soil in the area. AM is using a temporary wire antenna, while the FM is using a temporary pole.

GA Atlanta WVEE 103.3's Porsche Foxx has a problem with alcohol. Foxx, whose real name is Stephanie Calhoun, was recently charged with drunken driving, and over a year ago had her license suspended for the same problem. Her afternoon show on V-103 is the second-most-listened-to in the market. She also faces the charge of possessing marijuana following her arrest at 2 a.m. on a Sunday. She insists she's innocent, saying that her listeners knew she was "smarter than that. You know what? I have no comment and none of this is true, OK," she said after the latest charges were brought out. Foxx's SUV was impounded and a small white dog, which was in the vehicle with her, was placed with animal control.

She has been with the Atlanta station for over five years, and is the founder of the Porsche Foxx Community Force, which provides educational programs for homeless and underprivileged children. Rick Caffey, manager for Infinity Atlanta, owner of WVEE, said Foxx, 39, is on vacation, and the incident is being treated by the station as a "private, personal matter and we don't have any comment beyond that."

IN Elkhart WFRN-FM 104.7 was off the air Thanksgiving Day and the part of the next day as the result of lightning. Relayers WFRI 100.1 Winamac and WFRR 93.7 Walton were unaffected.

IA Keokuk KMDY *90.9 fined \$5000 for incomplete public file as discovered in an FCC visit July, 2003. Moody Broadcasting had to prove it wasn't violating the main studio rule. If it had the fine would have been \$10,000.

KS Enterprise KBMP *90.5 fined \$7000 for no main studio and no waiver as of March, 2002, when the FCC visited. It has since obtained a waiver to operate with no local studio. Added to that is \$3000 because the American Family Association did not fully respond to the FCC request for more information about the KBMP studio situation.

MI Detroit WKQI 95.5 fined \$8000 for a call to the World of Faith Christian Center, with on-air host asking for prayer, but didn't tell person called the prayer would be on the air. A church member was

listening and filed a complaint with the FCC. Usual \$4000 fine was doubled due to Clear Channel's "prior history" of violating § 73.1206, the phone notification rule.

NM Milan KXXQ 100.7 with country. Was silent as it moved from Grants.

MO Lebanon KTTK *90.7 fined \$4000 for incomplete public files.

MO Vandalia KKAC 104.3's fine reduced from \$7000 to \$1000 after convincing the FCC of "financial hardship." Owner 21 Sound Communications failed to have meaningful staffing at its main studio.

NY—"Heard this report by Charles Osgood on WCBS AM yesterday. Is this an LPFM or a pirate? . . . Further Googling turns up the fact that the United Hospital Fund has twice donated \$20,000 to help run this station, which is at least three years old. (This hospital is on Roosevelt Island between Queens and Manhattan.)" This is most likely a Part 15 device—b.e. A patient-run radio station in New York City is using its half a watt to rock the corridors of a hospital for the chronically ill. Coler-Goldwater Specialty Hospital in New York is home to some 2000 long-term patients, and one unique radio station, "WCGH." The patient-run station was started two years ago by resident Sunderam Srinivasan, better known as "Shrini" who gave everyone a radio, started recruiting talent, and hosting his own show. "This is WCGH, 88.1 FM, broadcasting live from Goldwater campus." Most of the patients will never get out. Shrini himself is a polio victim who has lived at the hospital for 14 years. Despite a collapsed lung and a tracheotomy, he does a daily interview show called "The Searchlight." Shrini says creativity is good therapy. Shrini: There are a couple of patient residents who cannot even lift their hands, but still they are very intact in the brain, and they can do some shows. Excerpts include music from DJ Mr. Wonderful's show: "How Deep is Your Love" by the Bee Gees. There's news, call-ins, sports, tango, and a soul program called "Freaky Friday." Amputee Martin Vanterpool has been at the hospital over a year, struggling with severe diabetes. But on the air, he's DJ Mr. Wonderful: "I'm just trying to convey that nice feeling back when you were 17 years old, the days when you went to people's houses to have a party down in the basement, and the red light was on, and wearing turtle-neck sweaters with Hai Karate cologne. . . For the bedridden, it breaks down the sense of isolation. For the DJs, says Shrini, it's a chance to create: " Our slogan is, "listen to the beat of the heart." So the sense of love and the sense of heart, we touch the people who are totally lost in this world."

OH Dover-New Philadelphia WJER-FM 101.7 must stay there, if Congressman Bob Ney has his way. The Clear Channel-owned station has petitioned to move to North Canton. He's the guy who successfully kept WWA 1170 in Wheeling WV, rather than its moving to a new site near Akron. Ney told the FCC to "look at the impact" of relocating the station. He claims the FCC "responds to public pressure" in situations like this, and he's urging residents to file comments with his office, even though the FCC deadline for public comments was Dec. 3.

OK Kingfisher KSY, owned by Citadel (now KINB), 105.3 fined \$9000 for locked main studio during business hours and an incomplete public file.

PA Murrysville WRWJ *88.1 was silent; back on with a facilities' change that put "He's Alive Radio" slightly closer to Pittsburgh.

WI Chetek WATQ 106.7—"Thanks for the info, good to hear from a satisfied listener, most of the email and calls I get are complaints. I have to believe that you are our most distant repeat listener. WATQ does have an amazing coverage considering it's power. Technically it doesn't even "city grade" Eau Claire although we typically get calls from listeners 50 miles further South. The transmitter is located between New Auburn and Ridgeland, South and West of Chetek. It's on a 500' stick and running 35 KW ERP. Not a powerhouse signal by any means. Keep listening and Happy New Year! PS: I enjoyed your website. I occasionally get asked: 'What do you recommend for a good FM radio?' I always tell them the [G-E] 'Super Radio': Now I can recommend a source for them," Paul A. Orth, chief engineer, Clear Channel, Eau Claire WI.

ON Sudbury CJMX 105.3 was off for about 24 hours after having a fire in its transmission line. "EZ Rock 105.3" came back after sister station CJLB 105.3 Thunder Bay supplied replacement components.

Off Air—Or Not Yet On

CA—these Paulino Bernal Evangelism translators all reported off the air (and probably headed to deletion): Buttonwillow K209CW 89.7, Los Banos K220GR 91.9 (but having a CP for slightly different h,v powers), Lost Hills K220GU 91.9, Madera K219DY 91.7, McFarland K209DN 89.7 (on with stereo carrier, no audio), Tipton K208DE 89.5. The latter's antenna and satellite dish removed from American Tower Site.

CA Selma K211DA *90.1 was last reported with KMRO 90.3 Camarillo. "This continued for several weeks. Then it changed to rebroadcasting KTLW 88.9 Lancaster. After 2 weeks it changed to a Spanish religious format (not KMRO) for several days and then went silent. . . Don't know who the last Spanish religious broadcaster was." Listed as asking for ownership transfer to the KTLW people.

FL Fort Myers 103.3, which interfered with aircraft communications on 119 mhz. The FCC pinpointed the station to a one-story strip mall on Fowler Street. Agents found Alexandre Pierre there, who at first denied running the station. He was fined \$17,000 for operating an unauthorized station, and refusing to allow an inspection of the transmitter.

FL Orlando 95.9—Everald Brown fined \$10,000 for his illegal station.

FL Pensacola 103.7—one Ward Dean fined \$17,000 for a pirate station. Dean wouldn't let FCC agents in to inspect his station, charging they were trespassing. He's appealing the fine.

OR Portland 98.1—David M. Oaks fined \$10,000 for an illegal station. He said he tried lowering power to Part 15 levels, but FCC agent refused to help, saying it's not up to the FCC to help measure powers.

TX Jacksboro KJKB 95.5
TX Spearman KRDF 98.3

Deletions

CA Tehachapi K216FJ *91.1

CO Montrose KRYD-1 104.9, per licensee's request.
 NM Cloudcroft KTMN 97.9—this deleted station is ordered to pay \$25,000 for exceeding RF limits when it operated. The station claimed it never was able to achieve more than 60 percent of its authorized 100000 watts power, and there should have been no problem. The FCC was also mad that A-O Broadcasting hadn't installed EAS equipment. The station argued that the FCC entrapped it by forcing it to go on the air or face license revocation. But the FCC media bureau rejects that argument, and ordered A-O to pay up.

OR Ontario KZJC *89.1, per applicant's request.
 UT Rural Utah County K264AC 100.7, per licensee's request.
 UT South Ogden K292EO 106.3
 WY Cheyenne K212DD *90.3, deleted per licensee request.
 NB Moncton 91.9

FMistakes, FMedia! FM Atlas-19
 AL Opp WAMI-FM is 102.3, not "1202.3," Dec. p. 3, col. 1.
 AK Unalaska K271AW's 102.1 frequency not given, Dec. p. 1, col. 1.
 AK Whittier K267AY's primary is KXBA (not "KXVA") 93.3 Nikiski, Dec. p. 1, col. 1.
 AZ Safford K283AX is noncommercial. The * left out, Dec. p. 1, col. 1.
 FL Allapattah W228BY is noncommercial. The * left out, Dec. p. 1, col. 2.
 FL Cross City W267AV is *101.3. The frequency left out, Dec. p. 1, col. 2.
 GA Lindale *90.3 is W212AR, not "W213AR," Dec. p. 4, col. 3.
 GA Thomasville 107.1 is WTLY. Calls mistyped Dec. p. 5, col. 1.
 GA Winder W243CE is *96.5, not 96.3, Dec. p. 1, col. 3.
 KY (not LA) Pineville WRIL 106.3, Dec. p. 3, col. 2.
 LA Baton Rouge 101.5 is WYNK-FM (not "WYNK"), Dec. p. 5, col. 1.
 MN Rochester KNXR 97.5, "From the Classifieds," Dec. p. 10, col. 1: "Ray Knudson [has] no connection with KNXR other than he used to operate a translator which rebroadcast the KNXR signal. He has sold the La Crosse translator to another man in La Crosse. . . Please do not use KNXR in your publication when an item concerns Ray Knudson selling equipment. Many thanks," Tom Jones.
 NY Albany WAMC *90.3 raised a record \$608,000 from "517,210" callers, "\$1.18 each?" [See Dec. p. 6, col. 2, where it was incorrectly listed under "AM Happenings."] WAMC contacted me with the correction. Number of callers was 6358, with the dollar amount the same. WAMC further confirmed that it has weather, 67 kHz, "but we never publicize this; it's not on all the time." And the 92 kHz is sports and special events (occasional audio). "We're in HD Radio on WAMC, WOSR *90.1 Middletown and WANC *103.9 Ticonderoga NY, with no complaints of adjacent-channel interference from listeners. It's flawless."
 OH Dublin W269BY 101.7 is correct (Dec. p. 2, col. 1). Remove erroneous listing, W268BY 101.5, p. 3, col. 2.

OH Findlay W283AX 104.5. Frequency not given Dec. p. 2, col. 1.
 OH South Zanesville WCVZ 92.7. One of the advertisers was Snouffer Funeral (not "Funder") Home, Dec. p. 3, col. 2.
 PA West Hazleton (town misspelled, Dec. p. 2, col. 1) W287BD 105.3.
 TX Anson KTLT 98.1 is "98.1 The Light." NonID applies to KTLT, not KORQ 95.1 Baird, Dec. p. 3, col. 1.
 VA Crewe 104.7 is WKJS, not "KJS," Dec. p. 6, col. 1.
 VA Ettrick WJZV 93.1 is "93.1 The Wolf," Dec. p. 6, col. 1.
 WA Gig Harbor KGHP is 89.9, not "898.9," Dec. p. 3, col. 3.
 WI Milwaukee WQBW's old calls were WLTQ, not "WLRQ," Dec. p. 3, col. 1.
 BC Sooke 97.1 CJZN-1 listed twice, p. 222.
 PQ Saguenay (not "Chicoutimi") CION-2, Dec. p. 6, col. 1.
 PQ Saint-Anselme CFIN-3 is 105.5, not 100.5, Dec. p. 3, col. 3.

"The December *FMedia!*'s print quality seemed better than usual, with a refreshing absence of horizontal streaks and smears," N.L., Atlanta.

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

IA Iowa City KRNA 94.1†(), RDS
 MS Gulfport WAOY *91.7 †(), RDS
 MS Jackson WUSJ 96.3 †()
 NC Southern Pines WFMI 100.9 †(), RDS
 NC Windsor WJCD 107.7 †(), RDS
 VA Falmouth WGRX 104.5 †(), RDS

"Been years since I have corresponded with you. Am writing to you from Menomonie WI. Last time we talked, I purchased a GE AM/FM/cassette boombox from you with an SCA attachment. This was way back in the mid-80's. I bought it for the radio stations in my area that carried Muzak, 'giggles', gotta have my Muzak! In every fashion, this radio has provided me with years of enjoyment, worth every penny I invested into it... Some years ago there was a power surge, royally messing up some of the digital circuitry, but leaving the SCA adapter unscathed. . The SCA tho still works like a champ! Up at my mom's in Luck, WI, a classical staion on 89.3 gives me all the Muzak I want . . Still going strong after 20 years of service," Ernie Brown.

"Thanks for the hard work you do keeping us informed," M.C., Salt Spring Island BC.

NonIDs, Not Just Slogans
Mentioned usually without call letters; "strict" if a station uses call letters once per hour (at or near top of hour) as required by FCC and Industry Canada

AL Montgomery WBAM-FM 98.9 uses calls, not "Bama Country."
 AL Union Springs WQSI 94.1 South 94.1
 CO Parker KAVD 103.1 Colorado County. Was off the air as it moved from Limon CO.
 FL Key West WCNK 98.7 The Conch (from "The Conk FM")
 FL Marathon WWWW 97.7 The Wave (from "K 97"). Same nonID as used by WAVK 105.5 Marathon.
 FL Naples Park WBTT 105.5 The Beat (from "The Best Jamz")

FL St. Petersburg WXGL 107.3 The Eagle
 IL Des Plaines WPPN 106.7 Pasion
 IL East Moline KUUL 101.3 uses calls, no "Cool"
 IA Cedar Rapids WMT-FM 96.5 Mix 96.5 (from "Mix 96")
 MN St. Charles-Rochester KLCX 107.7, "Classic Hits 107.7" (from "Oldies 107.7"). Still o.
 MO St. Joseph KSRD *91.9 New Horizons for the Heartland (gospel)
 NE Nebraska City KBBX-FM 97.7 La Zeta
 NY Remsen WUCL 93.5 93.5 The River. Now classic hits (from oldies).
 NC Edenton WBXB 100.1 Gospel 100.1 & 97.7 (from "Love 100.1") [(from "The Wave")]
 NC Wanchese WOBR 95.3 95.3 The Rock/
 NC Windsor WNBR 98.9 The Bear
 PA Brookville WWJL-LP *95.9 Way FM [101.7]
 PA Central City WSRM 101.7 Cool 101 (from "Star")
 SC Wedgefield WIBZ 95.5 Z 95.5, parallel to WSIM 93.7 Lamar (see above, "Format Changes").
 TN Benton WOCE 93.1 La Buena (from "La Que Manda")
 TX Benbrook KDXX 107.1 La Amor (from "Amor")
 TX Jourdanton KBUC 95.7 La Ley
 TX Plainview KPMB *88.5 Radio Cristiana. Was silent; back on with Spanish adult contemporary.
 UT Ogden KWCR *88.1 The Edge
 VA Exmore WROX 96.1 The New Rock Alternative 96-X (from "Extreme")
 VA Petersburg WKJM 99.3 Kiss FM (from "Kiss 99.3," matching the nonID for WKJS 105.7 Richmond) ["B 103.7")
 VA Richmond WMBX 103.7 New Mix (from/VA Vinton WZZI 101.5 Bob FM 101.5 (from "Oldies 101.5")
 WA Laramie KARS-FM 102.9 Oldies 102.9. Had been silent.
 WI Mniitwaukee WMYX 99.1 Mix (back to)
 NS Sydney CKPE 94.9 K 94 (from "K 94 FM")
 PQ Gatineau CIMF 94.9 Detente

Selected AM Happenings

CA Eureka KGOE 1480 off the air due to failure of its main transmitter, and then its backup transmitter also failed.
 CA Los Angeles KFI 640 lost its 230-m tower after hit by a small plane. Both the pilot and his wife died. After about an hour off the air, an engineer got its shorter 61 m to work, with the station now 25 kw, instead of its usual 50 kw.
 CA Salinas KZFX 1380 was adult standards and later sports. Now silent.
 CA San Diego KSON 1240-KURS 1040, LPTV-17 and a backup for KSON-FM 97.3 lost the top part of their tower in an intense rainstorm with big winds. Inclement weather's not usually a problem in San Diego, but the storm severely bent the top 73 m of the 135 m tower. However, the lower section was saved and KSON soon returned to the air. KSON-FM was not affected. Jefferson-Pilot's chief engineer John Buffalo was vacationing in New Orleans and had to make a hurried trip back in order to fix things. Driving I-5, you can no longer see the huge "KSON" letters on the tower. They had to be taken down as part of the recovery effort—and the good news is that nobody was hurt.
 FL Gulf Breeze WNRP 1620 was silent. Now "Cat Country 98.7," parallel to WYCT 98.7 Pensacola.



FL Palmetto WBRD 1420 fined \$7000 for not enclosing its three towers in a fence.
 FL Winter Garden WLAA 1680 fined \$18,000 for no record of EAS tests and missing public files.
 GA Savannah WBMQ 630 fined \$10,000 for not painting its former towers, which were to be demolished in 2001, but were still standing in 2003. Cumulus Broadcasting has since moved the transmitter to a different location.
 IL Calumet City (application to move from Portage IN) WNDZ 750, with 16000 watts days plus critical hours by adding a third tower.
 IN Gary WLTH 1370 fined \$16,000 for tower lighting violations. It claimed the tower was under the 200 feet (61 m) level, but it was found to be 202 feet tall, requiring lighting. And the station failed to notify the FAA "immediately" of the tower not being lit.
 MA Boston WBZ loses David Brudnoy, 64, to death. He admitted he had AIDS, and was gay. He died of a rare skin cancer. Brudnoy had been in college teaching, notably at Boston University, and served two stints on WBZ as a talk show host. His program from 7 to 10 p.m. had an audience in 38 states, when the AM skywaves extended the 1030 kHz signal.
 NM Milan KRKE 1100 was silent. Now talk.
 PA Barnesboro WNCC 950 was business news. Now silent.
 PA Chambersburg WCBG 1590 off the air and headed toward deletion after the city started condemnation proceedings against the station towers. The city is building a water tower nearby, which was unintentionally radiating the talk station's signal from its four towers, and giving workers shocks. The FCC also got involved.
 SC Hampton WHGS 1270 was country. Now silent.
 SC Seneca WSNW 1150 was silent. Now oldies..
 TN Franklin WHEW 1380 was Spanish then silent. Now Salem southern gospel.
 TN Jellico WJJT 1540 was Spanish. Now silent.
 TN Soddy-Daisy WSDT 1240 was silent. Back on with southern gospel.
 TX Falfurrias KLDS 1260 was silent. Now Spanish contemporary Christian, "Radio Voz."
 TX Kermit KERB 600 was silent. Now Spanish contemporary Christian.
 UT Tooele KCPW *1010 was silent. Now nt, NPR.
 VA Dumfries WPWC 1480 fined \$14,000 for not reducing power at sundown and for public file violations.

FMakings—Selected FCC

and Industry Canada Applications and/or Rulemakings

AL Bolgee 107.3A added.
 AZ Camp Verde KAJM 104.3 22000 h,v; 807 m, d-a, from the site of KFMR 95.1 Sun City West, and 16 km closer to Phoenix.
 AR Greenbrier (move from Bald Knob), KKSJ 107.1C3, 12000 h,v; 142 m. Would be 48 km from Little Rock.
 AR Hermitage 107.9A, proposed by Charles Crawford, Jan. 31, Feb. 15.
 CA Portola 101.7A allocated.
 CA Nevada City 107.3A added.
 CA Shingletown KKXS 96.1 1900 h,v; 358 m, C3.

CA Susanville 100.3A, with KHGQ Quincy expected to move from 100.3A to 100.9A.
 CO Creede 100.1C2 dismissed allocation. Only tower site available would be in a federal wilderness, where towers cannot be erected.
 FL Cross City 97.7C3 added
 FL Key Largo 95.3C3 added
 FL St. Petersburg WMCD 107.3 410 m, C0
 GA Dexter 103.1A added [replies by Feb. 8.
 ID Ammon 104.5A, comments at FCC Jan. 24./
 ID McCall 93.5C3, 95.5C3, 102.9C3, 106.5C3 added.
 ID Pocatello KPPC 92.1 12000 h,v; 301 m, C3.
 IN Cannelton WTCJ-FM 105.7 (move from Tell City), with WLME 102.9 seeking a move to Tell City from Cannelton), Feb. 10, 25. This would put WLME closer to Owensboro KY.
 KY Salt Lick (move from Georgetown OH) WAXZ 97.7A with Mason OH.
 MA Easthampton (from Pittsfield), WBEC-FM 105.5A.Co-owned WNYQ Malta NY would upgrade to 105.7B1.
 MA Newburyport WNEF *91.7 1000 h,v; 100 m, d-a. This expansion comes in the wake of deletion of nearby WPAA *91.7 Andover MA.
 MN Grand Portage 92.7C, 102.7C, as requested by Cook County Broadcasting Corp., Jan. 31, Feb. 15. Previously, 96.9C0 was announced as a pending allocation there. These stations might serve Thunder Bay ON, although terrain is not favorable.
 MS Valden 102.1A added.
 NJ Port Norris 107.7A, Dec. 27, Jan. 11. This station would serve part of the area left by the move of WSNJ-FM 107.7 Bridgeton NJ to 107.9 Pennsauken NJ (now WPPZ).
 NM Clayton 97.5C1 added. Deletes unused 97.5C1 Raton NM.
 NM Ruidoso KWES 93.5 2500 h,v, from the mountains west of town, C2 (from C3), presumably to reach Alamogordo.
 NC Cary (move from Burlington) 93.9C, WRSN, Jan. 31, Feb. 15. [103.1A, WRAC, with Oxford.
 OH Georgetown (move from West Union)/
 OH Mason (move from Oxford) WOXY 97.7A, replies by Jan. 11.
 OR Clatskanie 92.9C3, Jan. 24, Feb. 8. This will cause KAQX Long Beach WA to move to 99.7A (from 92.7A), and unused Ilwaco WA 98.5A (from 99.7A). The move becomes possible with KAST-FM Astoria OR moving to 93.1 and proposed move to Gladstone OR, a Portland suburb.
 SC Cayce WLTY 96.7 9000 h,v; 132 m, d-a, from the former site of WCOS-FM 97.5 in Columbia; WCOS-FM now is north of town, in the hills.
 SC Olanta (move from Johnsonville): Denied WPDT's 105.1 bid. Also denied WSIM 105.3's application to move to Litchfield Beach SC (from Fair Bluff NC). Owner had previously asked the FCC to dismiss these proposals.
 TX Belvieu (move from Beaumont) KRWP 97.5C. This would be 48 km west of Beaumont, and within 24 km of Houston. No dates announced.
 TX Bertram 104.7A, Dec. 27, Jan. 11.
 TX Crosbyton 100.7C3 added.
 TX El Indio 95.1A added.
 TX Hawley 101.7A, Dec. 27, Jan. 11.

TX West Orange—denied KBXG 99.5's move from Lake Charles LA.
 WA Jackson 97.7A—dismissed this proposal because of a lack of continued interest in applying.
 WA Union Gap 104.9A added.
 WY Cheyenne KLEN 106.3 6000 h,v; 99 m, from a site S. of town (has been on a low site on a downtown building).
 MB Winnipeg—the CRTC asks for new applicants for an ethnic station. Frequency or frequencies not identified. Must apply by Jan. 27, 2005.

FM As It Was—Or Might Have Been

The Columbia University lab where Edwin Howard Armstrong developed FM radio technology in the 1930s has been given National Historic Landmark status. Armstrong's technology, which gave radio a clearer signal than the AM band, had its public debut in 1939, though FM wouldn't become widely popular for another three decades. An electronics whiz, Armstrong conducted much of his radio research for military purposes—specifically, to enhance U.S. military communications in World Wars I and II. He had a frustrating time, however, with FM. He fought much of his life to keep the rights to his invention and finally committed suicide in 1954 when it seemed he had lost them. His wife, Marion, kept battling and eventually prevailed in court, wrote David Hinckley in the New York Daily News.

St. Paul MN Refuses To Help Minnesota Public Radio; KBEM Next Station to be Swallowed?

The city of St. Paul won't give Minnesota Public Radio the low-interest loan it requested to purchase St. Olaf College's WCAL *89.3 Northfield MN. The vote won't jeopardize MPR's \$10.5 million acquisition of the station, which took place last month. MPR said, instead, it will seek a conventional loan at a higher interest rate. "It's going to stress the organization to have to pay for this loan at commercial rates," said Thomas Kigin, an attorney and MPR executive vice president.

The city's housing and redevelopment authority had initially approved the loan for the conduit bonds, which give nonprofit entities access to low-interest funds. But when that vote was

taken in October, notice of the upcoming meeting was not made public. The group Save WCAL has lamented the loss of the station and Minnesota Public Radio's aggressiveness in taking over. WCAL supporters e-mailed the council and had a powerful presence at the December meeting. Michael McNabb, an attorney for the Save WCAL group, told commissioners that MPR's purchase of the station did not meet state requirements concerning such bonding issues—namely, that the sale didn't prevent blight or combat job loss.

It wasn't all bad news for MPR, however. The council agreed, on a 6-0 vote, to approve about \$10 million in conduit bonds to help expand MPR's corporate headquarters building in downtown St. Paul.

In a move some fear may be related, the state of Minnesota withdrew \$400,000 in annual support of school board-licensed KBEM *88.5 Minneapolis. Interspersed with KBEM's jazz music were frequent updatings of highway traffic conditions in the metro area. The state said new technologies, such as computer-controlled billboards, makes the radio messagings obsolete. The prospect of Minnesota Public Radio taking over KBEM in wake of this budget shortfall has been expressed on the Upper Midwest Broadcasting Board on the Internet. [Stories from the Minneapolis [Star-Tribune and the Duluth News-Tribune were used.]

Small-Print Happenings and FM Industry News

The recent FM auction at the FCC (Auction 37) resulted in 110 bidders getting 258 FM construction permits during the almost three-week process. A 35 percent credit was given winning bidders who had no attributable interest in other media outlets. There were 62 rounds of bidding, with 30 allocations having no bids. Too much money was bid for most of the properties, analysts charge. A limited-service Class A in Brewster MA, on Cape Cod, went for \$3.9 million, for example. College Creek Broadcasting was one of the more successful bidders, acquiring 38 construction permits. But, on the other hand, it owes the FCC more than \$840,000 for withdrawn bids. The FCC won't charge those who withdraw their bids if the subsequent winner or any subsequent withdrawn bid equals or exceeds it. If a high bid were withdrawn for a CP that didn't sell at auction, the bidder would need to make a payment of 3 percent of the net amount of the withdrawn bid. Downpayments on the frequencies were due from the

winners at Mellon Bank in Pittsburgh as of Dec. 15.

Despite getting soaked at the auction process, it caused many of the bidders who are already in station ownership to regard more highly the stations they already have. The process was exceedingly profitable for the FCC, which saw \$147.8 million added to their income. Analysts were surprised by the amount of money paid for frequencies, most of which are in small markets and in the West.

A company cited in Radio World was Matinee Radio, which won CPs for five markets in Texas and New Mexico. The company qualified for the 35 percent bidding credit, which meant it spent \$1.2 million instead of \$1.9 million on its licenses, said Robert Walker, a partner in the business.

"The bidding was very competitive. We did our homework in advance and had well-defined limits on how high we could go. I did observe several bidders paying way too much for some markets," Walker said.

Matinee Radio concentrated on small markets located just outside larger metropolitan areas. For example, it paid about \$278,000 for a Magdalena NM construction permit. Magdalena is just outside Albuquerque. "We know how we want to build and operate the permits but haven't yet selected or purchased equipment. We'll consider all options on how to operate the stations provided the options comply with FCC rules and restrictions," Walker added.

Sirius stock (SIRI) dropped almost 25 percent after analysts downgraded it, saying its recent stock surge could not be sustained. The share hit a 52-week high of \$9.43 in early December. The run-up followed news that the satellite channel had signed up shock-jock Howard Stern, and his former boss at Viacom, Mel Karmazin. Mel announced he's joining Sirius as CEO.

Smith Barney analyst Niraj Gupta said Sirius stock hit levels "which are difficult to justify." XM Satellite Radio, meanwhile, is doing somewhat better, selling recently at \$36.50.

Sirius and XM are not yet legal for Canadians to own, although a few furtively own the receivers. To win approval of Canadian regulators, both companies are planning to up the amount of Canadian music they offer.

Canadian Satellite Radio and Sirius Canada are the two companies poised to offer the service. They are Canada-owned but close partners of the American satellite services. Some of the program delivery will be in the other direction. Four CBC stations and one service owned by Standard Radio will be on Sirius and available in the U.S.

Los Angeles broadcaster Saul Levine wanted the FCC to regulate XM and Sirius regarding indecency. The Commission ruled against him, saying satellite delivery doesn't allow for easy access to children.

But merely bleeping out indecent words might not get broadcasters off the hook, warns Ginny Z. Berson of the National Federation of Community Broadcasters. Bleeping out such words in songs or other programs may not protect you. It may be that a bleep that covers a particular word may not be enough if the entire subject matter is sexual or excretory in nature. It may be that bleeping out words from a non-sexual setting/context/song/discussion may not be enough if a "child" could recognize what the words are. We don't know and we won't know until the FCC takes up a case, she advised.

Fox News Channel is about to become a significant player in radio as the result of a deal to provide news to radio stations owned by Clear Channel Communications, Inc. Fox News will replace ABC News as the sole provider of national or network news on CC's 100 plus news and information stations nationally. Fox News, a TV network channel owned by Rupert Murdoch's News Corporation, established its radio news service in 2003, and provides news to about 175 stations.

Jack Abernethy, a Fox News executive, who was promoted recently to chief executive of Fox Stations, Inc., said the network's decision was a natural. "Talk radio is complementary to television. It's not competitive. And because so many people listen in their cars, you have a real opportunity to reach an audience which is watching you on television already," he said.

A dissenting opinion is that of Josh Silver, executive director of Free Press, a non-profit organization working to increase public participation in media policy. He said, "You have the largest radio giant now running the news provided by one of the largest media empires. Exhibit A of what's wrong with media consolidation. Now what Rupert Murdoch decides is news suddenly becomes news."

Obituary: Victor Diaz, 62. In the 1970s he put XHIS (now XHITZ) 90.3, XHERS (now XHLTN) 104.5 Tijuana on the air. His XHKY (now XHOCL) 95.7 moved to 99.3 to accommodate an upgrade for KKOS (now KUSS) 95.9 Carlsbad, which moved to 95.7, with improved San Diego coverage. After selling the stations, he continued to operate XHLNC 90.7 Tijuana with classical music as a labor of love. [This information courtesy *M Street Journal* online.]

The BBC, whose newscasts are heard on some U.S. public stations, especially late at night and overnight, is cutting 2900 jobs over three years. The staff cuts are more than 10 percent of the BBC's workforce of 27,000. They drew threats of a strike if the layoffs are firings, and not the result of attrition over the three years. People in Britain pay \$210 in annual licence fees for TV sets they own, and they face fines up to \$2000 for failure to pay this fee. BBC staffers, such

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as union official Gerry Morrissey said, "Many staff want to know why these savage cuts are necessary when all the areas affected have already made significant savings." But some politicians welcomed the change. "License fee payers deserve value for their money," said Don Foster, a spokesperson for the opposition Liberal Democrats. "For the BBC to justify the current license fee level, it has to offer viewers fewer repeats and reality shows and much more high-quality programming."

Jack I. Moore, 81, inducted into the Minnesota Broadcasting Hall of Fame. He started such stations as WAYL 96.1 Minneapolis (now KXXR 93.7), KTWN (now KQQL) 107.9 Anoka, KABG 105.5 Cambridge MN (now WGVY 105.3), and KAFE (now WGVZ) 105.7 Eden Prairie MN.

WAYL was profitable from the start, having sold 12 hours a day of advertising and in-store easy listening music to Associated Grocers (IGA). Those stores were as far out as 190 km, and often the reception, even with tall antennas, was unreliable. I visited some of the stores, working on receive antennas, and trying to persuade the managers to bear with the fading so that the music can continue to be heard. After 6 p.m. specialty programs, such as Broadway showtunes, were heard.

For \$50 in legal fees and \$4500 in hardware, he started WAYL in 1961, and later sold it for \$750,000. "All my relatives who liked elevator music thought it was wonderful," he said. Later, in 1978, he bought KTWN and later described as the "first pop jazz station ever launched." He regarded KTWN his greatest accomplishment, but later was devastated when his partners decided to sell the 107.9 frequency to a Colorado company.

Another person honored by the Minnesota Broadcasters Association was Bill Kling, president and founder of Minnesota Public Radio.

Arbitron announces market No. 267, Elkins-Buckhannon-Weston WV. It has a population of 102,600.

Pacifica Radio appoints Roy Campanella II as general manager of KPFA *94.1 Berkeley CA. Campanella has produced and directed TV movies, primetime specials and documentaries. He succeeds interim g.m. Jim Bennett. An honors graduate of Harvard, Campanella also has an MBA from Columbia University, where he received the Louis G. Cowan Award for excellence in media management. His late father was the legendary baseball hall of fame member, "who along with Jackie Robinson, helped to integrate the major leagues."

KBMI 97.7 Roma TX may or may not be on the air by the time you read this. Here's a report from Stanley Swanson: "KBMI has been operated at the Bethel Mission in Roma TX for many years as non-commercial, although the FCC database

says that it is licensed commercial. I understand that someone recently came to the station and told them to shut off the transmitter because the owner had sold the station to him cheap. The FCC database shows Public Notice Comment BALH-20041118ACR Voluntary Assignment of License From: Horizon Broadcasting, Inc. To: BMP RGV License Company, L.P. I don't know yet what this means regarding programming."

In England, a 153 meter tower in Peterborough crashed down after a fire melted a set of guy wires, causing the mast to collapse on transmitter buildings. The tower held 5 BBC FM transmitters, and one of the Classic FM Network. Served parts of the East Midlands near Cambridge. Picture online at tx.mb21.co.uk.

From the classifieds: Jampro JMPC-3R 3 bay full wave spaced antenna 99.3 FM. Also a Shively 5812 2-bay with radomes, tuned to 96.1 FM, best offer. Dennis Blais, Mortenson Bcstg., 3950 Lexington Rd., Versailles KY 40383-1742; 869-873-8096.

ABS graduate wanting on-air position in sports or rock. Coordinator of the freak-n-scotty show @ OKC campus. James, 405-793-1918.

Director KPFA arts and humanities department. Be an artsy person, recruit, train and mentor volunteers, participate in fund drives, have knowledge of literature, performing arts and current events, plus experience in radio and production. Parttime salary at \$17,424, Union benefits. Resume and three references to Susan Stone/Box 64, KPFA, 1929 Martin Luther King Jr. Way, Berkeley CA 94704, EOE.

Volunteer and community outreach coordinator, WMNF *88.5 Tampa FL. Some computer, teaching/training expertise, etc. \$26,000-\$30,000 per year plus benefits. Resume, etc. to WMNF, 1210 E. ML King Blvd., Tampa FL 33603. Attn. Volunteer coordinator position or e-mail jobs@wmnf.org.

FM Forum

Contributions From Readers

John Jefferson in Washington reports that KMNT 102.9 Centralia is on with a new translator, which is not shown in my database. Seattle's "KUOW *94.9, KING 98.1, KISW 99.9, KQBZ 100.7, KNDD 107.7, Tacoma's KPLU *88.5, KBSG 97.3, KMTT 103.7 and KBKS 106.1 all are embracing the IBOC obscenity. That's 18 channels trashed, not to mention increased picket-fencing on car radios due to the wash of digital static adjacent to the FMs."

HD Transmission by Satellite Tested

Reprinted from the VHF-UHF Digest of the Worldwide TV-DX Association

WUMB *91.9 Boston, along with relayers in Falmouth and Worcester on the same frequency, has hosted what might be the first tests of satellite transport of so-called HD radio. Ibiquty,

Broadcast Electronics and the Public Radio Satellite Services teamed up to demonstrate that point-to-multipoint studio-to-transmitter links are possible for digital radio. WUMB has applications for further rebroadcasters.

The station can pay for present terrestrial data and audio circuits to the other stations, but with HD radio comes the need for more sophisticated means of signal delivery. "Using today's standard satellite technology, we'd have to encode our STL audio using MPEG 2 at 128 kilobits per second to get through the satellite, then re-code using the HD encoder at each transmitter," said Grady Moates, WUMB chief engineer. "While that might be acceptable if all of our source material is linear, close to 40 percent of our programming goes to us through the Public Radio Satellite, which adds a third coding. I am convinced that a signal HD encoder at our studio, with satellite distribution of the HD signal, is the answer."

Mike Kirk, with PRSS, researched the issue and suggested a live test of the concept, using an off-the-shelf "satellite Ethernet modem" technology. Moates and Kirk designed the test to emulate a fully-digital broadcast of a live classical music NPR show, from the network all the way to the listener.

Kirk came to Boston for final assembly of the downlink on Dec. 16. Moates said, "At first, it didn't work. After about an hour of head-scratching, as well as a break to attend the WUMB staff holiday party, we called BE's Dave Kroeger to get help with configuration of the IP addresses of the various components in the system. This worked."

The engineers said the tests show that HD + PAD can fit inside a standard 200 kHz digital SCPC channel on a satellite transponder, reducing distribution costs while improving audio quality through reduction of transcoding errors. In the 20 hours that the test was conducted, the modem counted zero data errors in the satellite link.

Thanks to CPB funding, WUMB says it was the first public station in New England to broadcast with HD radio. The Department of Commerce/PTFP is funding WUMB's plans to build the up- and down-link sites in spring of 2005. WUMB expects to be on the air with HD radio at its other transmitters by summer.

Have a great 2005. Until February,

Bruce F. Elving

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New FM Stations, Translators, Low Power FM Stations Granted

Translators have less than 100 watts unless shown otherwise; technical parameters for most LPFM stations are not announced, but can be up to 100 watts at 30 meters above average terrain (horizontal, vertical or both h & v)

- AK Anchorage K283AZ *104.5 (KRAW 90.1 Sterling), h,v. Granted despite a petition to deny.
- AZ Globe *88.5 24 watts vertical, 1032 m, American Educational Broadcasting, in a settlement agreement.
- AZ Mammoth *88.1 160 watts h,v; 1083 m, Educational Media Foundation, in a settlement agreement.
- AZ Tucson *88.5 1500 v, 125 m, d-a (directional antenna, with 18% power 230-250°), Family Life Broadcasting, Inc. See also "Deletions," below. FCC dismissed the 88.3 application of American Educational Broadcasting, Inc.
- *88.9 1800 v, 8 m, Educational Media Foundation in a settlement agreement. Protested by KUAZ-FM *89.1 Tucson.
- AR Mena K216FX *91.1 (WJCG 88.9 Monee IL), h,v. It had operated as K220CT 91.9. See also "Deletions," below. [Church, LPFM]
- CA Mendocino *107.3 Mendocino Presbyterian/CA San Bernardino *105.5 Charisma Missions, Inc., LPFM
- CO Rye *90.9 9800 h,v; 207 m, d-a, with 18% power 0°, Harvest Radio Corporation
- CO Wheat Ridge *102.3 Rocky Mountain Radio Corporation, LPFM
- FL Fruitville (transmitter SE Sarasota) W276BY *103.1 (WAYJ 88.7 Fort Myers), h,v. [LPFM]
- FL Gainesville *107.7 Community Praise Center./GA Toccoa W249CC *97.7 (WNGU 89.5 Dahlonega), h,v
- HI Waialua *101.1 North Shore Radio Corp., LPFM
- HI Wai'anae *101.1 Coast Community Mental Health Center, LPFM
- *101.1 Institute for the Advancement of Hawaiian Affairs, LPFM. These three to share time.
- *101.1 West Coast Coalition, LPFM
- HI Paia *89.5 Paia Youth Council, Inc., LPFM
- IA Johnston *95.7 Mercy of Jesus Educational Corp., LPFM [LPFM]
- KY Corbin *95.3 Sacred Heart Educational Radio./KY Middlesboro W273AY *102.5 (WEKH 90.9 Hazard), v [Alexandria], 250 h,v
- LA De Ridder K296FU *107.1 (KLXA 89.9/ LA Greenwood K223BI *92.5 (KAYT 88.1 Jena), 250 h,v

- ME Houlton W250BB *97.9 (WWWVA 95.3 Winslow), 250 h,v
- MA Dudley *97.5 Nichols College, LPFM [LPFM]
- MA Fitchburg *102.9 F. Group Educational Assn./MI Detroit W252BX *98.3 (WAKL 88.9 Flint), h,v. Its transmitter is a little west of W256AY *99.1 there, another WAKL relay. [Fargo ND], h,v
- MN Fergus Falls K230AS *93.9 (KFNW-FM 97.9/ MO Carthage *107.9 Carthage Crisis Center, Inc.; Iglesia Cristiana Hispano-Americana; Restoration Outreach Church, three share-time LPFMs.
- MO Gray Summit K236AZ *95.1 (KGNV 89.9 Washington MO), h,v
- MO St. Joseph K222BH *92.3 (KRSS 93.5 Tarkio), h,v. It was previously authorized as K220FX 91.9 with a different primary station.
- MT Eureka K296FS *107.1 (KPLG 91.5 Plains), v
- NH Berlin W251BD 98.1 (WBNC-FM 104.5 Conway NH), h,v [Association, LPFM]
- NM Belen *98.7 Our Lady of Belen Education/ NM Chimayo *93.7 Holy Family Assn., LPFM
- NM Las Cruces K282AS *104.3 (KVER 91.1 El Paso TX), h,v [Educational Association, LPFM]
- NM San Juan *93.7 St. John the Baptist/ NM Silver City *99.9 Silver City Educational Association, LPFM [Zarephath NJ], h,v
- NY Highland W271BF 102.1 (WAWZ 99.1/ NY Norwich W293BE *106.5 (WRVN 91.9 Utica), 250 h,v
- NC Raeford *88.7 4000 v, 59 m, American Family Association, in a settlement agreement that saw the dismissal of Broadcasting for the Challenged's application. [City OH], h,v
- OH Akron W273BL *102.5 (WOFN 88.7 Beach/ OH Bellaire Gardens (just N. of Marion) W244CC *96.7 (translator of new 97.5 LPFM in Marion), h,v. Petition to deny denied.
- OH Solon W291BV *106.1 (WOFN), h,v
- OH Springfield W254BJ *98.7 (WUFM 88.7 Columbus), h,v
- OR West Haven (just SW downtown Portland) K296FT 107.1 (KXPC 103.7 Lebanon), h,v
- PA Berwick *100.1 Berwick Educational Assn., LPFM [tional Association, LPFM]
- PA Oil City *104.9 Venango Catholic Educa-/ PA Pittsburgh W257CD *99.3 (WDKL 95.9 Grafton WV, to be received via a new station), h,v. This is in addition to W288BO *105.5, another WDKL translator. W257CD will transmit from north of town, while W288BO will transmit from south of downtown.
- PA Scotrun W275BA *102.9 (WUSR 99.5 Scranton), h,v. Petition to deny denied. [Falls ID], v
- SD Rapid City K204FB *88.7 (KEFX 88.9 Twin/ TN Chattanooga W290BG *105.9 (KHRI 90.7 Holliester CA, via W211BG 90.1 Walden), h,v

- TN Gladeville W227BV *93.3 (WAYM 88.7 Columbia), h,v. A petition to deny was thrown out.
- TN Knoxville W259AV *99.7 (WNCW 88.7 Spindale NC), h,v. See also "Facilities," below.
- TN New Providence (transmitter north side of Clarksville) W240BW *95.9 (WAYQ 88.3 Clarksville), h,v [Association, LPFM]
- TX Jacksonville *95.1 Lady of Sorrows Educational/ TX Kerrville *93.1 Conquest Christian Church, LPFM [Association, LPFM]
- TX Longview *104.9 St. Anthony Educational/ TX Wichita Falls *107.9 Our Lady of Guadalupe Catholic Parish, LPFM.
- UT Bountiful KRMF-1 106.1 1200 h,v, d-a with 100% power 0°. Booster of Evanston WY station.
- UT Salt Lake City KRMF-2 106.1 560 h,v; d-a, with 100% power 130°. Booster..
- VT Bellows Falls *97.5 St. Charles Educational Association, LPFM [Burlington], h,v
- VT Enosburg Falls W237CU *95.3 (WVPS 107.9/ VT Montpelier W231BQ *94.1 (WVPS), 250 h,v
- WA Fall City *104.5 Sam-Sno Educational Media, LPFM [#211, LPFM]
- WA Northport *100.5 Northport School Dist./ WA Omak K290BD 105.9 (KVLK 106.3 Twisp), h,v
- WI Beloit *92.9 St. Jerome Educational Assn., LPFM
- WY Jackson K247BC *97.3 (KCSP-FM 90.3 Casper, as received via K257DP 99.3 Pinedale), h,v KCHQ-1 102.1 1 watt h,v; d-a, with 100% 0°. Booster of Driggs ID station. [Cruz Bay], v
- VI Charlotte Amalie W234BC 94.7 (WWKS 101.3/ NS Glace Bay *89.7 The Coast," with a temporary, four-year licence. Run by a staff of four plus "a nice group of volunteers." No call letters or parameters announced. Was testing, with full operation expected by now. No call letters or parameters announced.

Call Letters Assigned or Changed

- AL Hobson City 95.5 WHMA-FM (from WASZ); AM is in Anniston
- AL Jackson 94.5 WHOD (from WHNB)
- AL Luverne 104.3 WHLW (WNTM), sg, "Hallelujah"
- AR Hot Springs *90.1 KLRO (KSBC)
- CA Independence 92.5 KSRW (KDAY)
- CA Ukiah *105.1 KMEC-LP
- CO Julesburg 96.5 KJBL (KKYT), k[ountry]
- FL Cross City *96.7 WCKO-LP [Eagle]
- FL Jacksonville 96.9 WJGL (WKQL), "96.9 The/ GA Cartersville *104.9 WHLB-LP
- HI Captain Cook *102.5 KCOF-LP
- IN Muncie *99.1 WJPB-LP
- IA Boone 98.3 KWQW (KBGG-FM)

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KS Copeland 98.1 KSKZ (KYBD), r, hot AC, uses calls.
 KS Leoti 99.9 KWKR (KSKZ), op, uses calls.
 LA Eunice 105.5 KEUN-FM (KJJB)
 LA Thibodaux 106.3 KXOR-FM (KXOR), AM is in Junction City OR.
 LA Winnfield *96.3 K242BN (W242AM)
 MD Frederick *88.1 WYPF (WJTM)
 MA Winchendon 97.7 WOQL (WINQ). o, \$, "Oldies 97.7," moving to a new transmitter site in New Hampshire..
 MI Munising 98.3 WRUP (WHCH), op, classic rock. Its former oldies format has moved to WQXO 1400 AM.
 MI Newaygo 92.5 WODJ
 MN Cambridge *88.7 WUSG-LP, g, LifeTalk radio, a Seventh-day Adventist network.
 MN Northfield *89.3 KCMP (WCAL), pr, adult alternative, but an "anti-format." I've heard m (middle of the road music). A focus will be on local music and the morning program featuring Dale Connelly and Jim Ed Poole, "89-3 The Current." Poole and Connelly's program continues to be heard on the statewide classical music stations of Minnesota Public Radio. However, KSJN *99.5 Minneapolis will carry a separate classical program. Patrick Communications, www.patcomm.com, advertised it was the broker in the \$11.8 million transaction involving KCMP and KLSE *88.7 Rochester MN.
 MS Quitman 98.9 WLKO (WYKK)
 MT Billings *92.5 KFHW-LP
 MT Helena *93.1 KHQQ-LP
 NH Winchester 98.7 WINQ (WOQL), k, uses calls, "WINQ Country."
 NJ Pennsauken 107.9 WRNB (WPPZ)
 NM Albuquerque 103.3 KDRF (KTZO)
 NM Las Vegas *105.5 KLYN-LP
 NY Ellenville *107.9 WELV-LP
 NC Franklin 96.7 WEZG (WNCC-FM)
 NC Thomasville 98.3 WIST (WIST-FM)
 OH West Carrollton 92.1 WROU-FM (WRNB); AM is in Petersburg VA
 OK Bartlesville *101.9 KXBI-LP (KPOP-LP)
 OK Sapulpa *107.7 KPOP-LP (KXTI-LP)
 PA Carbondale *91.3 WCIG
 PA Carlisle 102.3 WCAT-FM (WCAT-FM; AM in Orange-Athol MA has new calls)
 PA Gap *92.9 WOBS-LP (WLDW-LP)
 SC Goose Creek 94.3 WSCC-FM (WSCC; AM in Charleston has new calls)
 SC Lexington *107.7 WGNH-LP
 SC McClellanville 98.9 WAZS-FM (WWBZ); AM is in Summerville SC.
 SC Newberry *102.7 WJKU-LP
 SC Rock Hill *93.1 WRHJ-LP
 TX Bastrop *88.5 KHIB (KMHF)
 TX Beaumont 97.5 KIOL (KRWP), r, "Rock 97.5"
 TX Borger *91.5 KAXH (KAVO)
 TX El Paso 97.5 KBNA-FM (KBNA-FM) [94.1*]
 TX Floresville 94.1 KTFM (KLEY-FM), sr, "Jammin'/"
 TX Jourdanon 95.78 KLEY-FM (KBUC)
 TX Pampa *90.9 KAVO (KAXH)
 TX Raymondville 102.1 KBUC (KILM), k[country]
 TX Taylor 104.3 KXBT (KOYT), sr, \$[tereo] resumed.
 TX Winnie 100.7 KKHT-FM (KKHT-FM; AM in Houston has new calls)
 UT Brigham City 100.7 KEGH (KJQN)
 UT Coalville 103.1 KJQN (KPEB)

VA Clarksville 98.3 WLUS-FM (WICE)
 WA Nile *88.1 KSBC (KLRO)
 WA Spokane 103.9 KBDB-FM (KYWL), "Bob FM." AM is in Sparks NV.
 WI Oshkosh *101.9 WOCT-LP
 WY Glenrock 98.3 KGRK
 ON Thunder Bay 105.3 CKTG (CJLB), op, "The Giant." The market lacks any country or CHR station. Three of its four commercial stations play classic rock or classic hits.
 ON Welland 91.7 CIXL (CHOW), r, "Giant FM"

Facilities' Changes Granted

AL Atmore WYOK 104.1 98400 h,v + beam tilt; 550 m, Class C [3200 h,v; 138 m]
 AL Littleville (move from Russelville) WMXV 103.5/AL Mobile WBLX 92.9 91500 h,v plus beam tilt; 550 m
 AL Union Springs WQSI 93.9 (from 94.1) 12500 h,v; 143 m, C3
 AZ Oro Valley KCMT 102.1 81 m (100000 h,v; d-a)
 AZ Wickenburg KSWG 96.3 100000 h,v; 600 m, no d-a, with a 1 mv/m signal over the western half of Phoenix, Class C. Was on 94.1. [downgrade.
 AR Barling KOLX 94.5 18500 h,v; 82 m, C3/ [B1]
 CA Camarillo KOCF 95.9 2400 h,v; 160 m, A (from/ CA Lompoc (new) *88.1 20 watts v, 344 m
 CA Oxnard KCAQ 104.7 50000 h,v; 150 m
 CA Ridgecrest KWTD *91.9 6600 h,v; 403 m
 CA Ukiah K267BA *101.3 (from K268AN 101.5), h,v
 CO Aspen K268BJ *101.5 (from K269DS 101.7), v
 CO Grand Junction K284AP *104.7 with KTEI 90.7 Placerville CO (from KTMH 89.9 Colonia), h,v. KTMH will still exist on K224CS *92.7 and K229AH *93.7 there.
 CO Paonia K257AU 99.3 250 h,v [550 m
 FL Pensacola WJLQ 100.7 98400 h,v + beam tilt;/ GA Blackshear WKUB 105.1 106 m (50000 h,v)
 GA Coosa WSRM 95.3 22 m (6000 h,v)
 GA Eastman W220DJ *91.9, h,v, (from W221BK 92.1). Now noncommercial, as a relay of WJSP-FM 88.1 Warm Springs GA (from WVJ 93.3 Manchester).
 HI Kilauea KAQA *91.9 1750 h,v; 477 m, C2
 IN Fort Wayne WFWI 92.3 2200 h,v; 166 m
 IN Mishawaka W300AL *107.9 v (from h,v)
 IN South Bend W223AU *92.5 with WCVW 94.7 Bronson MI (from WHLP 89.9 Hanna IN), v
 KS Fort Scott KOMB 103.9 25000 h,v; 100 m, C3
 KS Hugoton KFXX-FM 106.7 50000 h,v; 75 m
 KS Wichita KRBB 97.9 313 m (100000 h,v), C0
 KY Danville WHIR-FM *107.1 to gr, noncommercial, with Educational Media Foundation taking over, as part of a \$1 million sale from Clear Channel. Air quality improves with "Air 1" (from "The Skunk").
 KY Glasgow WGGC 95.1 301 m (100000 h,v), C0
 LA Dubach KPCH 97.7 41 m (50000 h,v)
 LA Oil City (move from Magnolia AR) KVMA-FM 107.9 24500 h,v; 163 m, but silent as it moves.
 LA Sulphur KKGB 101.3 12000 h,v; 146 m
 ME Portland WMGQ 93.1 135 m (50000 h,v)
 ME Richmond Center W233BE *94.5 250 h,v
 MA Williamstown WCFM *91.9 -255 m, to h,v (440 watts; from h only)
 MI Bessemer W225AV *92.9 will carry WRVM 102.7 Suring WI (not WMVM 90.7 Goodman WI)
 MI Caro W257CE *99.3 (from W203AX 88.5), v [C3
 MI Houghton WMTU *91.9 4400 v (loses h), 146 m./ MI Ironwood W223AQ *92.5 with WRVM (from WMVM)

MN Brainerd K210DR *89.9 (from K208BQ 89.5), 120 h,v
 MN North Mankato KDOG 96.7 11500 h,v; 150 m
 MS Batesville W244BN *96.7 (from W297AJ 107.3), 120 h,v
 MS Coldwater WVIM-FM 95.3 3400 h,v; 134 m
 NV Logandale (move from Laughlin) KADD 93.5 82000 h, 655 m, Class C (removes vertical polarization), from a site near the Nevada-Arizona-Utah border. [18% power 320°
 NY Buffalo WBUF 92.9 76000 h,v; 195 m, d-a, with/ NY Peru WXLU *88.1 (from 88.3) 1000 h,v; 341 m, C3
 NY Southampton WEHM 92.9 79 m (6000 h,v)
 NY Southold WBEA 101.7 86 m (6000 h,v)
 NC La Grange (move from Rose Hill) WZUP 104.7 S, l, "La Invasora" (from "The Dam"). Commercial operation. [100 watts)
 OH Bowling Green W290BA *105.9 h,v (less than/ OH Delhi Hills KJYC *90.1 15000 h,v; 102 m (d-a)
 OH Gahanna WCVO *104.9 2500 h,v; 137 m
 OH Springfield W244BR *96.7 170 watts h,v
 OR Brookings K210DS *89.9 (from K211DU 90.1), v
 OR Eugene K214CI *90.7 h,v (adds h)
 OR Gresham K274AR *102.7 h,v (from v)
 OR La Grande K266AJ *101.1 250 watts h,v
 PA Reading W253AC 98.5 100 watts h,v
 SC Anderson WJMJ 107.3 301 m (100000 h,v), C0
 SC Clemson WCCP 104.9 4600 h,v; 113 m
 SC Orangeburg WQKI-FM 102.9 3100 h,v; 139 m
 SD Pierre KGFX-FM 92.7 50000 h,v; 149 m, C2
 TN Brownsville WTBG 95.3 5000 h,v; 46 m
 TN Kingston WKTS *90.1 55 watts v (193 m)
 TN Knoxville WJOT *91.9 63900 h,v + beam tilt; 534 m, removes d-a (directional antenna)
 W244AT *96.7 has WKTS 90.1 Kingston (from WNCW 88.7 Spindale NC)
 TX Bridgeport KBOC 98.3 40000 h,v; 620 m, C0. Site to be N.E. of Decatur, west of Pilot Point.
 TX Krum KNOR 93.7 12000 h,v; 595 m. Seeks 100000 h,v; 450 m, d-a, with 74% power 240°, C0
 TX Seguin KSMG 105.3 100000 h,v; 453 m, removes beam tilt.
 UT South Jordan (move from Tooele) KUUU 92.5 (from 92.1); 500 watts h,v; 1198 m, C2. To transmit from Farnsworth Peak, which is the main Salt Lake City tower site.
 VT Waterbury WLKC 103.3 1050 h,v; 806 m, d-a, with 60% power 160°, C2 [214 m
 VA Richlands WRIC-FM 97.7 (from 100.7) 1350 h,v;/ WA Eufaula-Longview K269EL *101.7 (from K296EL 107.1), v
 WA Icicle Creek K260BE 99.9 (from K262AL 100.3), 250 v. Relay of KOHO-FM 101.1 Leavenworth (from KSWW 102.1 Montesano).
 WV Romney WDZN 100.1 900 h,v (251 m)
 WI Marshfield WLJY 106.5 uses calls, no "Lite FM 106." ID with Wausau.
 WI Park Falls W236AS *95.1 with WRVM (from WMVM). Its calls were mistyped Jan. p. 2, col. 2.

Stereo—Or to be Stereo

AR Earle KCJFF 103.9, op, "103.9 Earle FM."
 IL Atlanta WMNW 96.3, k, "Lincoln Country"
 MD Waldorf WWZZ 104.1, back to.
 OK Altus KKVO *90.9 to be \$[tereo]
 OK Coweta KDIM *88.1, "Oasis Network." "This is more of a praise station, but neither of our stations are contemporary Christian. It IDs only as Coweta."

Monophonic

FL La Crosse WBXY 99.5 t, mono, still "Star 99.5"
ON Brantford CFWC 93.9, but assumed to be only temporarily monaural.

Format Changes

Formats are the same as in the FM Atlas.

AL Jackson WHOD 94.5 op, "Dixie 94.5"
AR Ashdown KPGG 103.9 k, classic country, "Legendary Country" (immolates "The Pig").
AR Hot Springs KLRX *90.1 gr, "Air 1." Ownership to Educational Media Foundation. [(from "T 102.7")
AR North Crosssett KWLT 102.7 op, "The Rock 102.7"
CA Fresno KKDG 105.9 S, I, "Viva 106 FM," continuing, for now, Howard Stern. He's on 3-11 a.m. Was "105.9 The Edge." [weather, traffic]
CA Nevada City KYRR-LP *93.3 t, "surveillance./
CA San Joaquin KTSX 105.5 k, "US 105.5" (from "That '80s Station")
CO Placerville KTEI *90.7 g, "Light Praise Radio," co-owned with KTLF 90.5 Colorado Springs.
CO Sterling KLZV *91.3 gr, \$[tereo], "K Love."
FL Hobe Sound WOLL 105.5 m, "Kool 105.5"
FL Orlando WEBG 100.3 S, I, "Rumba 100.3" (from "Big 100.3"). It abruptly began broadcasting Spanish-language songs, dropping its oldies rock format in a move aimed at capturing listeners in the region's fast-growing Hispanic community. Clear Channel Communications Inc., the nation's biggest radio group, planned to broadcast 5,000 songs nonstop before introducing a new lineup of shows. The revamped station will compete with La Nueva Mega 98.1 FM (see "NonIDS," below), the only other full-powered Spanish-language FM station in the Central Florida market. "There has been an 800 percent increase in the Hispanic population here since 1980, and the growth shows no sign of slowing," said Chris Kampmeier, Clear Channel's regional vice president for programming, Orlando. "There is a huge opportunity on the table." The station will hire Spanish-speaker DJs. Programming will mix salsa, reggaeton and merengue. Kampmeier said the decision to abandon the station's menu of popular songs from the 1960s and '70s was made quickly. The hasty makeover hit a glitch on the first day: Shortly after making the switch, the station's nickname changed from Caliente to Rumba. Kampmeier said legal research found that another broadcaster had control over the Caliente moniker. "I don't know who it is; it might even be a TV station," he said. Kampmeier said that WEBG's six staff members would remain on the payroll at Clear Channel for now, but would no longer be a part of the WEBG operation. "We're hoping that some, if not all of them, will find other places at Clear Channel," he said. Tom Taylor, publisher of the trade magazine *Inside Radio*, said Spanish-language music stations are quickly entering the mainstream in large U.S. markets. "What is happening in Orlando is definitely part of a trend," Taylor said. "Madison Avenue has decided this is a market that can't be ignored. What's really different now is that the major radio operators in the major markets are getting into this." Last year, Clear Channel announced it would convert 20 to 25 of its stations to Hispanic formats within 18 months. Infinity Radio, the nation's second-largest radio company, is also reformatting stations. "Last month, Infinity flipped rock station WHFS [99.1 An-

napolis MD], renaming the station El Zol," Taylor said. "We're seeing a recognition of two things: Radio is changing with changing demographics and changing tastes." The allure of the growing Hispanic market was a key reason for WEBG's quick format change. Arbitron's most recent radio report showed that WNUE had a bigger market share than WEBG with its rock format. Jeff Stein, vice president for sales for Mega Communications, WNUE's owner, said he welcomes WEBG's conversion, even though the two stations will compete for listeners. "There is plenty of room for both of us," Stein said. "This addition will expand the market and bring more credibility and more attention to the Hispanic marketplace." [Christopher Boyd and Jim Abbott of the *Orlando Sentinel* contributed to this report.] [88.3 Titusville.

FL St. Catherine WKFA *89.3 g, parallel to WPLO/
GA Asburn WJTR-LP *100.7 g, teaching
GA Bainbridge WBGE 101.9 r, hot AC, "Live 101.9"
GA Cartersville WHLB-LP *104.9 g, teaching
ID Island Park KWYS-FM 102.9 pr, adult alternative, no "Yellowstone Country."
IL Macomb WKAI 100.1 r, hot AC, still "K 100."
IL Milford WJJC *91.3 g, parallel to WHLP *89.9 Hanna IN.
IL Mount Carmel WYNG 94.1 t, sports, "ESPN 94.9" (amputates "Wing"). Now monophonic.
IN Cicero WJCY *91.5 gr
IN Franklin WFCI *88.5 fc, blues plus classical, as well as NPR (National Public Radio)
IN Indianapolis WFYI-FM *90.1 fc
IN Montpelier WJCO *91.3 gr, "Q-FM," parallel to WOKO 91.9 Howe.
IN Muncie WJPB-LP *99.1 g [KFX The Fox]
KS Hugoton KFXX-FM 106.7 S, I, "La Nueva" (from/
KY McDaniels WBF1 *91.5 gr [Mix 102.9")
LA Shreveport KBED 102.9 sr, "Magic 102.9" (from/
LA Tallulah KBYO-FM 104.5 o, classic hits, "LA 105" ("Tiger 104.5" runs away). AM on 1360 was urban-gospel, now silent.
MD Annapolis WHFS 99.1 S, I, "El Zol 99.1" (from "99-1 HFS"). This is the first significant FM signal with Spanish in Baltimore-Washington DC.
MD Prince Frederick WMJS-LP *102.1 m, plus k, r and "variety." Has AP Network News.
MI Gaylord WKPK 106.7 m, "The Peak"
MI Holton WSHN-FM 100.1 sr, "V 100" (from "100.1 Sunny FM")
MI Honor WKVK 10017 mr (still "The Peak")
MI Monroe WEJY *97.5 o, '80s. Had been silent.
MI Whitehall WEFG 97.5 now classic country, still "Kickin' Country 97.5"
MN Rochester KMSE *88.7 cp, parallel to KCMP *89.3 Northfield, except KMSE will carry classical in the morning.
MS Greenville WJIW 104.7 sg
MO Bismarck KHCR 99.5 g
MO Cuba KESY 107.3 k, "Action Country 107.3"
NE Omaha KGBI *100.7 gr, "The Fish" (from "The Bridge"). Now owned by Salem, which is also buying KCRO 660 AM, which goes to gospel music and Christian teaching. [tena]
NV Moapa Valley KBHQ 104.7 S, k, Tejano, "La Nor-
NM Reserve KLBZ 104.5 t, monophonic. Was silent.
NM Roswell KEND 106.5 r, "Mix 106."
NM Santa Fe KBOM 94.7 j, smooth. Uses calls, blows up "The Bomb."

NY Altamont WZMR 104.9 k, "Froggy 107.1 Jumpin' Country" (from "Love FM")
NY Hudson Falls WENU-FM 101.7 mr
NC Biltmore Forest WOXL-FM 96.5 o, classic hits
OK Sapulpa KPOP-LP *107.7 t(alk)
OR Oakridge KMKR *88.5 pr, adult alternative, \$, "The Mountain"
KAVE *92.1 rp, adult alternative, \$, "The Mountain"
OR Salem KAJC *90.1 on air with gospel
OR Weston KZZM 101.9 S, r, "Magia 101.9" [Key)
PA Jonstown WKYE 95.5 k, "Froggy 95" (from "96/
WMTZ 96.5 m, "96 Key" (from "Mountain FM")
PA Lewistown WCHX 105.5 op, still "Chix 105"
TN Harrogate WLMU *91.3 rk, \$[tereo] resumed.
TX Kermit KERB-FM 105.7 S, gr, "Radio Cristiana"
UT Brigham City KEGH 100.7 k, "101.5 The Eagle"
UT Coalville KJQN 103.1 r, hot AC, "103.1 Jack FM"
UT Manti KNJQ 105.1 r, hot AC, "103.1 Jack FM"
UT Naples KCUA 92.5 op, "B 92," commercial operation. Had been silent.
VA Buena Vista WWZW 96.7 m, "3WZ FM 96.7"
VA Poquoson WKCK-FM 106.1 r, CHR, "The Zone @ 106.1" (from "Kick FM"). [Star 94.3."
VA Staunton WTON-FM 94.3 o, classic hits, still/
VA West Point WWBR 107.9 o, "Surf 92.3," parallel to WSRV 92.3 Deltaville.
WA Tacoma KOWA-LP *106.5 talk. [tos Para T]
PR Maricao WAEL-FM 96.1 S, r, "FM 96.1 Solo Exi-
MB Brandon CKXA 101.1 k, "101 FM The Farm" (from "Hot 101")
ON Quinte West CJTN 107.1 m (\$[tereo]), "The New Light 107, Quinte's Light Rock."
"Keep the FM data coming," J.J., Auburn WA.

On Air—Real Stations and Rates (Selected)

CA Jackson KOSL 94.3 is now part of Salem's Christian outreach, simulcasting KKFS 105.5 Dunnigan CA.
CA Los Angeles—severe reainstorms knocked KPFK *90.7, KUSC *91.5, KCBS-FM 93.1 and KMZT 105.1 off the air for several hours Jan. 9. [Rock."
GA Atlanta WKLS 96.1 op, classic rock. Still "96/
GA Bowdon WWA-FM 105.3, "Viva 105.3," has become in a short time a successful station. As the first FM Hispanic station that covers most of metro Atlanta, it fills a void not met by competitor WLKQ 102.3 Buford, which is heard well only in the north part of the Atlanta metro. It's joined by WVA 105.1 Helen-Gainesville GA for even better market penetration. But WLKQ's Samuel Zamarron, Jr. believes people will come back to "La Favorita" after they've sampled "Viva." "I can't identify with what they're doing. It's too much diversity. It confuses me like crazy," said Zamarron.
IN Terre Haute WCRT *88.5 and WMHD *90.7 share a 190-m tower. It was on 145-m level of this tower that Alan Cook was working when he suffered a brain aneurism that left him unconscious, hanging from his harness. The Sugar Creek Fire Department in Vigo County, Indiana, came to the rescue. Climber Hidekatsu Kajitani made the climb to rescue Cook. Cook, 45, who by then was semi-conscious, was able to follow instructions to use his harness to make a safe descent. He was taken by helicopter to Indianapolis where he had surgery and was reported in critical condition. Kajitani, "a hero in our book" (said *M Street Journal* online),

was treated for exposure in the cold, and back at work the next day.

LA Angola KLSP *91.7, the in-house station at Louisiana State Prison, is mentored by the Moody Broadcasting Network. According to *NRB* magazine, the station hosted MBN's Phil Shappard for an extended weekend of training and fellowship among the prisoners. On air since 1987, KLSP is completely run by inmates committed to the Christian message. It received all new equipment in 2002 through fund-raising efforts from out of town. "The early 2003 addition of MBN programming further enhanced the station's schedule," according to Shappard.

LA Franklin KDDK (was KFMV) 105.5 and KFRA 1390: R & I Broadcasting agrees to voluntarily pay \$20,000 for a transfer of control without first notifying the Federal Communications Commission.

MN Duluth KDNI *90.5/KDNW *97.3 partnered with Northland Wheels in Motion for the seventh annual 5K "Run, Walk and Roll," raising over \$10,000 toward shipping 350 to 400 wheelchairs, walkers, crutches and canes to those in need in developing countries. Stations are owned by Northwestern College, Roseville MN, KTIS-FM *98.5 Minneapolis.

MN Minneapolis KBEM *88.5 expects to receive \$25,000 from jazz rival KJZI 100.3. Clear Channel Communications owns "Smooth Jazz 100.3." It also plans to air messages on its Twin Cities stations urging listeners to support KBEM. This is an unusual situation in which a commercial station helps a public station with a similar format. "We hope this turns into a long-term partnership," said Dan Seeman, Clear Channel local vice president. "I'm hoping we can grow the jazz lifestyle in the market." Earlier, Bill Kling, "owner" of Minnesota Public Radio, pledged some short-term support. He said there are no plans to take over KBEM, as speculated on last month, pp. 6-7.

KTIS-FM *98.5 is one of the nation's most successful stations at fund-raising, including public and Christian stations. Its 2004 Sharathon, Sept. 28-30, exceeded its \$5.04 million goal. Instead it received \$5.4 million in pledges and gifts, a 10 percent increase from last year's \$4.8 million. KTIS-FM devotes some of the surplus it raises to international projects. The 2004 project was to raise \$75,000 to equip a broadcast training center in Singapore in partnership with HCJB shortwave-FM Quito, Ecuador. Broadcast personnel from China, Indonesia, India and other Asian countries will be trained there and then return to their local stations. To think that election night, 1956, I wrote them to continue FM broadcasting, after they aired an appeal, "Is anybody listening to FM? Let us know. . ."

NY New York WKCR *89.9 ran a low-key fundraising drive. It doesn't make a lot of promotional noise, with its limited budget, "but it provides an undiluted dose of classica jazz, country music, blues and other styles you don't find elsewhere on the terrestrial radio dial, [and] of all city stations, it was hardest hit by Sept. 11, and its current \$750,000 debt was largely incurred replacing equipment and the transmitter lost that day," writes David Hinckley in the *New York Daily News*. Its installments on the debt come to about \$200,000 in each fund drive.

WQHT 97.1, protesters lined up outside the studios of "Hot 97" demanding "Miss Jones" be fired for a

broadcast of a parody song mocking tsunami deaths. She was suspended, but then reinstated to her job. The station apologized, but did not go along with the protesters that she be fired. They wanted Miss Jones and co-morning host Todd Lyn to go. It claimed the salaries that would have gone to the suspended crew will be redirected to the aid effort. Some sponsors pulled their ads at the request of John Liu (D-Queens). Those companies included Coca-Cola.

OK Ketchum KOSN *107.5, parallel to KOSU *91.7 Stillwater, and claiming to serve as far north as Joplin MO.

SD Rapid City K242BK 96.3, with KZZI 95.9 Belle Fourche. K202AU 88.3, listed as deleted because of the new KLGH and KLGH-1 *88.3, both Rapid City, had operated until just recently, even after its deletions was announced.

TX Three Rivers KEMA 94.5 back on with country. WA Centralia KMNT 102.9 87000 h,v; 635 m. It does not have a translator (see last month p. 8, col. 2), but a new transmitter. "They are now quite strong here in Auburn, where before they were usable but not conspicuous. . . Speaking of translators, WNEE *88.3 Jasper GA now claims to serve Bellevue on 89.1, Tacoma on 106.5, and Bremerton on 104.9. K206CJ (89.1) Issaquah is indeed on the air, but at about 89.15-89.2 (and has been that way since its inception over a year ago). With KASB *89.3 Bellevue on the air, they can't possibly cover the city of Bellevue with their off-channel signal! I haven't notified them because, frankly, I'm grateful that I still occasionally hear KFAE 89.1 Richland besides WNEE's . . . translator. I did advise KAOS *89.3 Olympia, but they apparently haven't lost any significant listenership due to WNEE's technical incompetence. There is no trace of K293AY *106.5 Enumclaw in downtown Enumclaw, let alone in Tacoma. Now whether K285FJ *104.9 Brinnon is on I can't tell from here due to KFNK 104.9 Eatonville." WA Granite Falls K206DL *89.1, having been K205DL 88.9.

WI Wausau "WIKH" 101.5 classic hits, "101.5 The Eagle." Claims to be a Part 15 device.

MB Winnipeg CHNR 100.7 Newfoundland Capital Corp. buying it for \$1.8 million from Radiolink Systems.

PQ Verdun-Montreal CKOI 96.9 still 307 kw, but it was in danger of losing this superpower status. It transmits from atop the CIBC skyscraper downtown, but because of new Industry Canada safety requirements, faced having to move to a new site at 122 kw. Its aging antenna, in use since 1962, sent too much radiation downward near where people live and work. But then the Maine-based Dielectric Company came and worked with Corus Communications to modify the spacings on the CKOI antenna elements, which helped it to satisfy RF safety guidelines at the CIBC site.

A reader pointed out variations in how the "adult alternative" format is listed. One station with that format was coded last month "rm," others "rp," and one "pr," while "p" is "supposed to be or used to be new rock or modern rock." Actually, p used alone still stands for "progressive rock," although sometimes various hard rock genres are given that single-letter code. I stand by the earlier format designations, as "adult alternative" is a vague term, with

all those forms of music heard on such stations.

"Like a once-proud religion slowly drifting into doctrinal ambiguity, some of your format codes seem to have 'lost their way' in recent years."

Off Air—Or Not Yet On

AL Uniontown WVFG 107.5 silent.

CO Morrison KLDV *91.1 reported silent

DC Washington—A station that supposedly operated during the Inauguration and probably silent now: WSQT under threat, moved from AM 1680 to 87.9 FM, using a portable FM setup. Range was about 5 km, discussing issues like housing, gentrification, and imperialism—war on the poor at home and abroad, as well as terrorism. "The FM rig and its antenna set up and break down in seconds. The nature of FM (VHF) signals and their small antennas allows security steps to be taken that are impractical on AM. Even if the FCC manages to capture one of our rigs, we have a bottomless ability to make more. The big AM rigs with their 16-km reported range cost maybe \$40 plus some time in the dumpster fetching parts, and the 5-km range FM rigs maybe \$15 with no dumpster diving. In addition, any strike by the FCC on WSQT will result in a withering, on-the-air attack on the FCC's practice of giving away the store on spectrum to giants like Infinity and Clear Channel while harassing the little guys. Their stewardship of the airwaves will be contrasted to their original mission to ensure diversity and public use of a public asset, namely the electromagnetic spectrum, of which no more can be made," via Glenn Hauser, *DX LISTENING DIGEST*.

LA Vidalia KPXS 104.7

MS Utica WJXN-FM 100.9 silent. Served Jackson.

TX Bryan *97.1 and College Station *96.9. These low power stations are only 7 km apart, although on adjacent frequencies. See last month, p. 1, col. 1. "Sounds like disaster to me," S.S., Yuma AZ.

TX Cameron KNVR 105.1 silent, moving from 94.3.

WA Medina K249DX *97.7

WA White Center K225AX 92.9, nor is K233BU *94.5. K225AX would be crushed on all sides by KISM's signal [92.9 Bellingham], to the point where its existence would seem pointless, unless KSVR *91.7 Mount Vernon is simply trying to annoy KISM by interfering with them. I can't believe the FCC was so dumb as to grant this one, and suspect K233BU is really the same grant amended." [But the FCC lists K225AX and K233BU as separate stations, holding valid construction permits. The motives of KSVR nibbling into KISM's coverage are unknown—b.e.]

Deletions

AZ Tucson K203AA *88.5

AR Mena K217EW *91.3

NM Gage K237BU 95.3. Town has disappeared, along with the radio station.

NY Fulton W291BU 106.1. Grant rescinded.

FMistakes, FMedia! FM Atlas-19

AZ Meadview (not "Meadville") K215DJ *90.9, pp. 78, 130.

AR Lake Village KZYQ is 103.5, not *104.3." Now

"Star 103," Jan. p. 3, col. 1. [col. 2.

ND Williston K203DU is *88.5, not *98.5," Jan. p. 2/

SC Hampton 92.1 is WBHC (not "WBHC-FM"), Jan. p. 3, col. 3. [misspelled, Jan. p. 3, col. 3.

TX Freer KPBN *90.7 Radio Cristiana nonID misspelled, January, p. 3, col. 3.
 TX (not TN) Memphis W229AJ *93.7, Jan. p. 2, col. 2.
 VA (not NC) Windsor WJCD 107.7, Jan. p. 5, col. 2.
 NT (not NF) Fort Simpson VF2472 *98.1, Jan. p. 2, col. 1.

SCServices, 57, 67, 92 kHz

Symbols are as in the FM Atlas

AL Muscle Shoals WQPR *88.7 †(), RDS
 CA Essex KHVY 98.9 †(), RDS
 CO Loveland KTRR 102.5 †()
 IL Chicago WMBI-FM *90.1 adds His Kids Radio, probably replacing the †G, 92 kHz. It placed about 1200 fix-tuned radios in homes of its listeners. Sales for the service are handled by the staff of His Kids Radio on the campus of Cornerstone University in Grand Rapids MI (WCSG *91.3).
 MT Plentywood KATQ-FM 100.1 †(), RDS
 NY Albany WAMC-FM *90.3 (not "WAMC"). Its 92 is †U, not †S. See Jan. p. 5, col. 1.

NY New York WSKQ 97.9 has Radio Soleil on its 67 kHz, and the Haitian station is flexing its muscle. "We tie the Haitian community together," said Ricot Dupuy, station manager and co-owner of the station, which has offices on Nostrand Avenue in Brooklyn. The special radios are getting to be inexpensive, and they're common in immigrant homes. Dupuy's station is on the air 24 hours, 7 days a week, and is a reliable link to the home country. It relays Melody-FM in Haiti to carry news from the island daily from 6:30 to 8:30 a.m. and then does its own programming of news, music and talk. It now broadcasts some programs in English, with a schedule of 40% French, 40% Creole and 20% English. And Radio Soleil has reached the point where it sells advertising, versus relying on rental of radios for revenue. "We reach the whole Haitian community," said Dupuy. "These are hardworking people. They hold jobs. They buy things." It has launched its own orchestra, a radio tradition that dates back to the old NBC days of Arturo Toscanini. The 12-piece Charange Soleil recently played a well-attended dance at Satalla, on W. 26th St., and it's scheduled to do another gig in March. "The only other active radio orchestra today is in Finland," said AJ Angeloro, co-host of a music show. Besides Radio Soleil, there's Radio Tropicale on the 92 kHz SCS of WFME *94.7 Newark.

OH Youngstown WNCD 93.3 †(), reading "CD 93."
 TN Chattanooga WMBW *88.9 †(), RDS
 UT St. George KONY 99.9 †(), RDS
 WV Wheeling WEGW 107.5 †(), RDS
 Comments about FM/IBOC, "HD Radio," from a forum: "WHCN 105.9 Hartford, "The River 105-9," has just turned on the IBOC. Gone are 105.7 and 106.1, although I did hear WROR-FM 105.7 [Framingham MA] break through a few times," Mike B., Enfield CT.

"You are so right, Mike; this IBOC stinks! . . . WSNI 104.5 [Philadelphia PA] turned it on, goodbye 104.7!" R.S., High Bridge NJ.

"The problem is that there isn't a solution, it's that nobody is deploying it. Our dumbed-down FCC thought that IBOC was the best approach to DAB in the U.S. Ummm, no! As if the FM dial in many markets is not crowded already! The European approach (giving DAB its own band) seems to be the best one. Unfortunately, the FCC is too thick-

mind to notice. Suggest it to them and they'll probably cry out 'but the spectrum's too crowded'," J.N., Hermantown MN.

IBOC "is an honest-to-goodness waste of spectrum space," E.B. Hazelwood MO.
 IBOC "just seems to affect the first adjacents, at least on my T-80 [FM tuner]. . . I've just about lost 11 clear frequencies because of this [IBOC]. . . Why can't we be like Canada and the rest of the world and put this digital stuff in its own band?" J.L., Hanson MA.

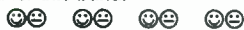
"We wouldn't have had this mess if the FCC approved Eureka 147, and forced [IBOC] to higher frequencies," E.B., MO.

"Over here, DAB audio is inferior to FM stereo due to the low bitrates used (low bitrate means more 'choice' as they can squeeze more streams on each multiplex," M.H., United Kingdom.

DAB is claimed to be slightly better than normal FM. "However, keep in mind that the IBOC channel can also be used in the future for non-entertainment uses (data streaming). With that in mind, I think IBOC is here forever, even if a DBA is established in the future (which I suspect will happen in time only because IBOC will not give listeners enough choices when compared to the satellite service), J.F., South Plainfield NJ.

"The Canadians are using spectrum around 1400 mhz for DAB. It's my understanding the same band is in use in a number of European countries. It was officially considered not acceptable for DAB use in the States because of some kind of flight test allocation that couldn't be moved (but I [also] read somewhere in the last few weeks where that allocation has been quietly withdrawn for lack of use). Unofficially, I strongly suspect the reason was not technical," D.S., Pleasant Hill TN, who adds:

"According [to a website] 30 countries use DAB allotments in the 220 mhz vicinity. Ten use L-band spectrum between 1452 and 1492 mhz. Some countries appear on both lists. Poland experimented with Eureka DAB within the regular 88-108 mhz band but found it didn't co-exist with analog very well. Japan uses the 220 mhz spectrum but an incompatible transmission authorized for this band. . . This band is allocated to government aeronautical telemetering in the United States. If I read the table [found on the Internet] properly there are 275 transmitters authorized for this band."



"I have received the modified G-E Superadio III and I am very happy with its performance. I do plan to buy another unit from you in the near future," Shawn R., McLean VA.

Hear our audio catalog via telephone, courtesy of Joybubbles, who includes an endorsement. Call 206-312-6617 at your expense.

NonIDs, Not Just Slogans

Mentioned usually without call letters; "strict" if a station uses call letters once per hour (at or near top of hour) as required by FCC and Industry Canada

CA Shafter KSMJ 97.7 97-7 The Breeze
 FL Panama City Beach WVVE 100.1 Wave 100 (from "The Wave")
 FL Titusville WNUE 98.1 La Nueva Mega 98.1

GA Augusta WIBL 100.7 Classic Country 105.7 and 1380 (from "The Bull")
 IN Howe WQKO *91.9 Q-FM
 KS Salina KYEZ 93.7 Y 93.7 (from "KY 94")
 LA New Roads KQXL 106.5 Q 106 FM (resumed)
 MI Crystal Falls WOBK 100.7 Classic Hits 100.7 (from "B 101")
 MN Faribault KBGY 107.5 Que Buena (from "Spirit 107.5"). It's the first fulltime FM with Spanish in Minnesota. The format is also heard at night on KLCI 106.1 Elk River MN.
 MN Willmar KDJS-FM 95.3 K 95.3 (sometimes "K 95" (from "K 95.3 FM") ["Rock 101-5")
 NY Canton WRCD 101.5 101-5 The Fox (from/WNCQ 102.9 Q Country 102.9 (from "Q")
 NY Henrietta WITR *89.7 Variety 89.7 [net 97")
 PA Braddock WRRK 96.9 97 RRK (from "Chan-/TN Humboldt WZDQ 102.3 102.3 The Rocket (from "Q 102"). Now "rock." [100.9 (from "101 FM")
 TN Huntingdon WVHR 100.9 Classic Hit Country/
 VA Alberta WSMY-FM 103.1 ABC StarStation (from "WLGQ") ["Hot 102.1 and 107.9")
 VA Virginia Beach WWHV 102.1 Hot 102.1 (not/

Multi-City Identifications in Use

NY Ogdensburg WBDB 92.7 with Kingston ON

Selected AM Happenings

AK Seward KSWD 950 was silent. Now country.
 AR Hot Springs KPZA 590 was silent. Now Spanish, "Que Pasa."
 CA San Diego—KSON chief engineer John Buffalo, in turns out, wasn't just vacationing in New Orleans (last month p. 5, col. 3). He was on a job interview, and landed the job of chief engineer for Clear Channel's five FM and two AM stations in the New Orleans market. KSON 1240 is back on the air, but KURS 1040, which shared the tower, remains silent, while KBNT-CA, channel 17, moved to a new site. [silent].
 CA Twentynine Palms KQYN 1250 was news. Now/DE Seaford WJWK 1280 silent. Was Spanish.
 FL Eustis WKIQ 1240 was silent. Now southern gospel. [religious teaching].
 FL Fort Myers WMYR 1410 was silent, now/
 FL North Miami WKAT 1380 was classical. Now talk. [ESPN sports].
 IA Indianola KXLQ 1490 off the air. Had been/
 MD Brunswick WTRI 1520, ethnic, off the air.
 MS Corinth WKCU 1350 silent. Was southern gospel.
 NH Nashua WSMN 1590 off air. Was business news. Had been on 47 years, but the land its three towers were on is worth more money than as a transmitter site. Sold to a housing developer.
 NY New York WOR 710, with its talk format, has a new tower site in New Jersey, and is moving to studios at 111 Broadway. It's vacating its longtime 1440 Broadway digs, where it's been since 1924. The original transmitter site in Carteret NJ is being demolished in favor of a golf resort.
 PA Chambersburg WCBG 1380 back on the air, now with ESPN sports. Was on 1590, but that frequency was to go to WHGT Chambersburg, which left 1380, but has not reappeared. Owner wanted \$300,000 for WHGT, but found no buyer. See last month p. 6, col. 1.

TN Elizabethton WHHQ 1520 was Christian teaching. Now silent.

TX Highland Park KBIS 1150 was ethnic. Silent.

TX Livingston KETX 1440 silent. Was "adult alternative."

TX Ralls KCLR 1530 was Spanish contemporary Christian. Now silent. [Now country.

WV Berkeley Springs WCST 1010 was silent/

WI Auburndale-Stevens Point WLBL *930 has gone fulltime, with 70 watts nondirectional at night. It is 5 kw nondirectional days.

PQ Montreal CKAC 730 now sports and health news. Corus says "general interest AM radio is a thing of the past, at least in major markets." Corus already has monophonic news-talker CHMP 96.5 La Rive Sud PQ.

BN Tijuana area—the FCC upholds its \$20,000 fine against program supplier Jaime Bonilla's Pacific Spanish Network. It provided programming to several Tijuana/Ensenada AMs that booster power and/or changed frequency, causing interference to U.S. AM stations on or near 560 and 780. Bonilla has not responded, and the only way the FCC can exert sanctions is against a U.S.-based program supplier, such as Bonilla.

FMakings—Selected FCC and Industry Canada Applications and/or Rulemakings

CA Oceano (move from Morro Bay), Santa Maria area, KLMM 94.1A, comments to the FCC by Mar. 3, replies by Mar. 18. [Security.

CO Genoa 106.1C3 (from 105.5C3), new, with/ CO Security 105.5C2 (from C3) KSKX.

IN Columbus WKKG 101.3B1 (from B), with Norwood OH.

IN Lanesville (move from Corydon) WGZB 96.5A

IN Madison 100.9A (from 101.1A), unused allocation, with Norwood OH. [Norwood.

KY Erlanger WIZF 10.1A (from 100.9A), with OH/ KY Lebanon WLSK 100.9A (from C3), with Norwood OH. Or, move it to Springfield KY, Mar. 21, Apr. 5. [WAKY-FM 102.7A, with Lebanon

KY Lebanon Junction (move from Springfield/ KY New Haven (move from Lebanon Junction WTHX 107.3A, with Lebanon.

MD Myersville (move from Hagerstown) WARX 106.9B. Move would put it closer to Frederick, Mar. 3, 18.

MS Benton (move from Yazoo City) WYAB 93.1A

NY Tupper Lake 102.1C3 (from 102.3A), WRGR, with Grand Isle VT.

NC Richlands (from Topsail Beach) WWTB 104.1A (from 103.9C3), to serve Jacksonville.

NC Topsail Beach (from from Wrightsville Beach) WBNE 93.7C3 (from 93.7A)

NC Wrightsville Beach (from Shallotte) WBNU 103.7C2 (from C3), to serve Wilmington. All the North Carolina changes involve co-owned stations.

OH Norwood (move from Connersville IN) WIFE 100.3A (from B). It would eliminate a short-spacing to WEEF 100.7B Springfield OH, but would put a 70 dBu signal over 43% of Cincinnati. This has the FCC concerned, and is asking for proof that Norwood is a worthy community for an FM station allocation, Mar. 21, Apr. 5,

OK Blanchard (move from Weatherford) KWEY 97.3A (from C1), but to serve the southern part of Oklahoma City.

PA Centre Hall (move from Mount Union) WXMJ 99.5A. Dame Broadcasting, a WXMJ competitor, contended Centre Hall, with 1000 people, wouldn't qualify as a city of license separate from nearby State College, but the FCC disagreed. The move would also place sister station WLLY 106.3A in Mount Union (from Huntington).

TX Amarillo KRGV 102.9 (from 103.1), re-filing for a C1 permit that expired, with move from 103.1A.

UT St. George KSNM 106.1C2 (from 93.5), with Logandale NV (see "Facilities," above).

VT Grand Isle (move from St. Albans) 102.1C3 (from 102.3A), WLFE. This would be closer to Burlington VT and Plattsburgh NY, Mar. 3, 18

VA Colonial Heights WKHK 95.3B 50000 h.v.; 150 mn. It would pay WHLF 95.3 South Boston VA to move its transmitter several kilometers west.

USA—Now that FM Auction 37 is over, the FCC is again entertaining amendments to the table of allocations. The freeze on such amendments has been in place since June. The winners of the FM auction have been slowly adding various technical parameters to their applications in anticipation of being awarded construction permits.

Translator Proliferation a Threat to LPFM?

The massive invasion of FM translators—chronicled in this rag over the last several months—has gotten the attention of REC Networks. That's an Arizona-based engineering firm and advocate for low power FM. It claims that more translators mean fewer LPFMs. That's also the gist of an article of mine, which was published in the Oct. 6, 2004 Radio World. REC's analysis shows that of the 13,300 applications filed, over 5000 were filed by just two nonprofit organizations, Radio Assist Ministries and Edgewater Broadcasting. Both outfits are headed by Clark Parrish. Parrish and others are undoubtedly hopeful that FCC rules will be changed to allow satellite-fed translators on the 92.1-107.9 mz band, as they are in the educational part of the FM band, 87.9 through 91.9 mz.

But Parrish doesn't buy REC's argument. He points out that in some cases LPFMs are using translators. And translators are grantable under different technical rules than LPFMs. They can be placed on frequencies and areas where LPFMs cannot. He opposes REC's idea of an ownership cap on translators. There have been allegations that there has been "traf-

ficking" of translators, such as selling unbuilt "singleton" translators to other investors that the Parrish group did not want. Parrish, however, contends that his groups were formed to put more Christian stations on the air both by developing its own networks and by helping others sign on FMs. He says they explore ways to put on as many stations as possible, including trading and selling of some of the granted construction permits. [Edited from the *M Street Journal online*.]

Small-Print Happenings and FM Industry News

Michael A. Powell announces he is leaving as chairperson of the Federal Communications Commission some time in March. "Having completed a bold and aggressive agenda, it is time for me to pursue other opportunities and let someone else take the reins of the agency. During my tenure, we worked to get the law right in order to stimulate innovative technology that puts more power in the hands of the American people, giving them greater choices that enrich their lives. Evidence of our success can be seen increasingly in the offices, the automobiles and the living rooms of the American consumer. The seeds of our policies are taking firm root in the marketplace and are starting to blossom. The use of cell phones, digital televisions, personal video recorders, and digital music players, is exploding. These devices are increasingly connected anytime, anywhere by a wide variety of broadband networks enabling a host of competitive services and new applications. Our children will inherit this exciting future.

"My only significant regret is that I will no longer have the pleasure and privilege of working shoulder to shoulder with the most talented and dedicated staff and colleagues that I have known. I look forward to spending some time off with my wife and two boys, before taking up my next challenge. They have been wonderfully supportive and patient."

Powell has been a relatively high-profile chairman of what had generally been a quiet regulatory agency before his tenure. Rather late in his term, he reluctantly pushed for increased fines for obscenity and indecent content by the nation's broadcasters, after being goaded by fellow commissioners and the public, particularly after the half-time Super Bowl show on TV. His tenure has especially been criticized by Christian broadcasters, who feel he has not adequately responded to some 57,000 indecency complaints filed while he was Chairman. He backed a change in media ownership rules that allowed for greater consolidation by the industry's largest conglomerates. In September the FCC fined Viacom, which owns CBS, \$550,000 for the 2004 Super

FMedia! Page 7 Apparently No More Reel-to-Reel Tape Production February, 2005

Bowl halftime show in which Janet Jackson's breast was briefly revealed during a musical number. The media conglomerate is challenging that fine. Viacom agreed in November to pay a record \$3.5 million to settle a number of complaints involving alleged indecent comments on its radio stations, including remarks by its most popular radio personality, Howard Stern. Partly to get away from FCC oversight, Stern has signed a contract to move to satellite radio provider Sirius (Research) in 2006. On his show, Stern cheered reports that Powell would be leaving. "Thank God he's gone," he said. "This is a great day in broadcasting." Powell had pushed for a large increase in the fines that the FCC can levy on broadcasters found guilty of indecent content, saying that the current allowable fines constitute the cost of doing business for the station owners.

I consider Powell a moderate at the FCC, as he was one of the Republicans who voted in favor of creating a low power FM service, during a time when the NAB vigorously opposed LPFM.

Also leaving the FCC is Ken Ferree, chief of the media bureau. Ferree is a friend of Powell's. He's been the sole head of the reorganized media bureau, which assumed functions that its predecessor agency the mass media bureau did not have. Kathleen Abernathy, a Republican, is leaving the FCC as well. The Parents Television Council is reminding that any replacement commissioners should be concerned about the problem of indecency in the media. It has reminded President Bush that this subject helped him get re-elected, and he better pay attention.

The media bureau of the FCC has dismissed nearly 130 old AM and FM applications that were never updated. This past October, the FCC announced it had new forms relating to the buying and selling of stations and CP applications that coincided with the new radio market definition. The deadline to update applications on the old Forms 301, 314 and 315 was Nov. 8, 2004.

The media bureau then dismissed several dozen un-amended applications and established a December deadline for filing changes to pending commercial radio station applications filed prior to the effective date of the June 2002 versions of these forms. Each applicant had to demonstrate compliance with the new local radio ownership rules or request a waiver. No amendments were received for the applications dismissed this week. The FCC did not publish an addendum showing which, exact applications were thrown out.

The FCC had a forum on low power FM broadcasting the morning of Feb. 8, 2005. LPFM operators were welcome to the affair in order to ask questions of attendees. Prominent in the discussions—third adjacent channel protections, and the need to

remove those, provided Congress agrees. If so, expect a floodgate of applications.

AL Opelika—Quantegy (successor to Ampex) bankrupt, ceases making reel to reel tape. Over 100 employees out of work. It was the last manufacturer of such tape in the United States.

Connecticut—there's an uproar after a "statewide evacuation" EAS screwup. Governor Jodi Rell angrily writes Department of Emergency Management and Homeland Security to ask for an explanation, but the recent goof that ordered people to evacuate the state and then come back an hour later "shows again how broken the current Emergency Alert System is." A Connecticut reporter was at work at the time and was blissfully unaware of the announcement.

MN Hibbing 100-watt KADU *90.1 applies for sale to Heartland Christian Broadcasting for \$30,000. SGM Radio acquired the station in 2004, putting it back on the air. Heartland owns KXBR *91.9 and KBHW *99.5 International Falls. The latter is heard on some former KADU translators.

VT—Score a victory for a Vermont broadcaster over local homeowners. In a tower siting dispute, the more stringent local rules were thrown out in favor of a national standard. This will enable WIZN 106.7 Vergennes to use a tower built in 1987 that



was opposed by a homeowners' group. However, the Vermont Environmental Board ruled that there was not enough evidence of any RFR (radio frequency radiation) to impact the neighbors. WIZN has a construction permit for 20000 h,v; 229 m. The antenna and tower were erected in 1987 on Pease Mountain, but since 1995 residents near Charlotte VT have tried to block the tower. Lawsuits by the homeowners' group ensued, and the environmental board considered as early as April, 2004 revoking the WIZN permit. "This was a significant win for broadcasters," said Fred Hopengarten of WIZN's legal team. "We proved that the science doesn't change. In fact, the FCC is always reviewing and updating" environmental regulations. Other transmitting sites were considered, but none proved to be as good as the one on Pease Mountain.

"We are local and committed broadcasters who faced a lot of trumped-up and overblown charges. We felt it would have been disastrous for us and the industry to have lost this case," said Jay Williams, WIZN's CEO. The board concluded that there is no persuasive evidence that RFR can cause cancer or any other adverse health problem, Williams said.

Despite the potential implications to the industry, neither the National Association of Broadcasters nor the Vermont Association of Broadcasters became involved. An NAB spokesperson told *Radio World* that they can provide legal or engineering assistance to members, but not financial aid. The NAB's 32-year president, Eddie Fritts, is rumored to be considering retirement.

The Vermont homeowners' group plans no appeal. Vermont Association of Broadcasters executive director Alan Noyes said, "Burlington Broadcasters did contact us originally in regards to this issue," but that it chose not to become involved. "It was our policy and still is our policy not to become involved in lawsuits between two parties."

The National Association of Broadcasters has dropped a petition to the Federal Communications Commission. It wanted the FCC to stop satellite radio companies from providing locally generated weather and traffic reports. Such reports could emanate from so-called "gap fillers" used to overcome the effects of buildings, terrain and tunnels. Naturally, XM and Sirius opposed the NAB's petition. XM characterized the NAB's action as a "last-minute attempt to save face. This is a complete vindication of our position that XM has complied and continues to comply with FCC rules. NAB's action validates that there are no content restrictions on XM."

The NAB, in its motion to dismiss, accused the satellite radio industry of "aggressive maneuvering," and pointed to addressable receivers that enable XM and Sirius radios to store local data anyway. Those receivers can hook up to GPS technology to offer local programming, including commercials. But the NAB remains concerned. "Even more disturbing, should it occur, is XM's purported intent to use the local broadcast feeds to strip out national commercials and add their own, and split the advertising revenues, the NAB charged.

The NAB said the FCC should not decide on the issue "until a fuller picture has developed," and added that it would continue to monitor satellite radio development with intent to bring the matter before the agency at a later date. [*Mobile Electronics, January, 2005*].

KCSN *88.5 Northridge CA announced it has tested an on-channel IBOC, so called "HD Radio" booster. The booster is licensed experimentally to West Los Angeles CA. The strange IBOC booster might serve "an additional 400,000 listeners in West Los Angeles with a current estimated audience of 1.4 million in the San Fernando and Santa Clarita valleys," according to chief engineer Mike Wornall. How this booster works with the stereo main channel and the reading to the blind subcarrier at 67 kHz is yet to be announced. Wornall plans to file an engineering report with the FCC.

Audiovox of Hauppauge NY is eyeing growth in satellite radio technologies, and is acquiring Terk Technologies Corp. for \$13.6 million, plus a debt agreement based on future revenue targets. The agreement was described as preliminary. Terk makes satellite radio antenna, including in-home FM external antennas. It has a deal with XM to develop and provide car stereo antennas and after-market accessories. Terk's 2004 sales are estimated at \$50 million, while Audiovox posted 2003 sales of \$1.32 billion.

Listeners to WQXR 96.3 New York's program *The Vocal Scene* got to hear George Jellinek for the last time. After 36 years at the station, he has stepped down, just past his 80th birthday. He's decided to retire from the regular program, but plans to do periodic specials for the station. The program he's leaving has, since 1968, featured classical music vocals, primarily opera. "To say I've enjoyed doing the show is an understatement. I have *loved* doing the show. If I were younger, I wouldn't dream of giving it up," he said.

The classical music world is not without clouds, however, wrote David Hinckley in the *New York Daily News*. Timeless as the music has proven, Jellinek has concerns for its future: "I'm apprehensive, of course I am. There has been a sharp and steady decline [of recordings, radio airtime and classical music education for young people]. It's all the mergers in the music business. They have cut back and cut back until finally they have destroyed the industry." As a life-long collector, he finds the drop in recordings the most distressing.

On New York radio, there is still WQXR, "part of WNYC and some college stations," writes Hinckley. "But on the whole, classical music has been disappearing on radio, too, and Jellinek ties that to the declining number of young listeners who know it." Jellinek: "People must be exposed to it when they are young. If some parents can't do it, schools should. But they don't. I don't mean you teach classical music to the exclusion of other forms. They can coexist. When I was young, my friends and I enjoyed popular music—Bing Crosby, Benny Goodman—and still developed an appreciation for classical music. Today you don't find that. Young people perceive a gap between popular and classical styles that is too wide to bridge." But he doesn't think classical music will disappear. Unless a way is found across that bridge, "Future generations will miss out on untold beauty and pleasure."

Efforts are going ahead to develop standards for public radio underwriting that all stations can agree to. Hitherto, some stations have covered over underwriting spots they deem too promotional. Martin Neeb, g.m. of KPLU *88.5 Tacoma WA, for example, told a session in Austin TX that local businesses push for language they hear in NPR credits, even if the station

wants to reject such wording. And, yes, stations can refuse underwriting for groups they deem objectionable. Thus, KWMU *90.7 St. Louis was allowed, by a federal court, to reject underwriting from the Ku Klux Klan. In Chapel Hill NC WUNC *91.5 stood firm against a nonprofit group that advocates reproductive rights and distributes abortion equipment. But National Public Radio warns stations they risk losing the network if they drop underwriting credits. They are hiring monitors to see if the credits are actually broadcast, and seek affidavits from stations to certify the announcements were aired. WDET *101.9 Detroit, for example, refused ad copy for Nexium, saying they'll reject any copy they regard as illegal.

The British Broadcasting Corporation wants regulators to delay the ending of analog radio. It urged that no date be set for an analog "sunset." The Guardian newspaper reported that the BBC feels the country isn't ready to drop analog for digital, and to do so too soon would be disruptive.

Despite pouring lots of money into promoting the Eureka 147 system, and enticing people to listen with special digital-only programming, the BBC asked that a gradual phase-in over three years be allowed to take place.

The broadcaster has a plan to allocate five blocks of so-called Band III spectrum to be shared by the entire industry to allow the BBC and commercial radio services to move to digital with their existing programmes. This is necessary because new spectrum is needed to go digital with the Eureka 147 system, unlike the IBOC system championed in the United States.

Analog TV is to shut off there between 2008 and 2012. Roughly 50 percent of 24.5 million U.K. households receive a digital TV signal, compared with only four percent of households with a digital radio.

Obituaries: Frank Kovas, 81, founder of WKFM 103.5 Chicago in the 1950s. I visited him in 1963 at its rather dingy studios on an upper floor of a downtown building. He developed a process of multiplexing an FM signal for SCS, and created a Muzak franchise that was "fantastically successful." Muzak later moved to WXRT 93.1, and had been on WOJO 105.1 Evanston. He sold the station to RKO General. It became WFYR, and now is WKSC-FM, "Kiss 103.5," owned by Clear Channel Communications. He invented Turtle Wax, according to the *Fort Wayne [IN] Journal-Gazette*, published in his home town. At the time of his death, he owned WKKD 1580 Aurora, WONX 1590 Evanston, WMCW 1600 Harvard and WCGO 1600 Chicago Heights, all IL, an empire known as Kovas Communications, which is now run by his son.

Cecil William "Bill" Bruton, 61, WCOP *99.9 Unadilla GA manager, killed in a car accident Aug. 27. Bruton, a Baptist minister, served churches in North Carolina, before

joining Toccoa Falls College, owner of the station, in September 1984. He's survived by wife Nelda, who is office manager for the station.

Demand for satellite radio is expected to grow to 35 million subscribers by 2010, but this will divert only 3.5 percent of listening away from terrestrial radio. This is the opinion of J.P. Morgan analyst Spencer Wang. The greatest attraction for XM and Sirius is not in their having personalities like Opie & Anthony or Howard Stern, but in the relative lack of commercials.

From the classifieds: Wants to buy LPFM station: Redeemer Broadcasting, Evangelically Reformed, with traditional Christian music, engages the culture. Needs FM station. Contact: Dan Elmendorf 854-657-6239 <http://www.redeembroadcasting.org/> for more details.

Pensacola FM/AM seeks chief engineer experienced with operations, maintenance and troubleshooting, including transmitters. Knowledge of computers and networking preferred. EOE> Resumes to HR@CatCountry987.com or FAX 850-469-9949.

Seeking the perfect voice like King Arthur sought the Holy Grail? Look no further. End your quest today, Darel Young, 214-587-9156, or a_reall1@yahoo.com.

FM Forum

Contributions From Readers

"As you may know, the Federal Communications Commission is hosting an event focusing on LPFM Low Power Radio, on February 8th. I, Stephanie Loveless, am charged, as part of my Amherst duties, to circulate for endorsement a letter we will present to the Commission that week. The letter calls for the FCC to now implement an AM version of Low Power Radio. Following some fierce debate, it was decided that the letter would also call for such stations to be available to commercial operators. It was exciting to devote four years of my life to the successful effort to pass LPFM. Now it is time to begin fresh, with LPAM, and build on our previous success," she said as she announced her retirement.

Glenn Hauser's *World of Radio* had a brief mention of two FM transmitters stolen from Kol Israel. If I heard right, they were on 98.2 and 104.3 mhz, so people in the second-hand market for radio equipment should be aware that transmitters for those frequencies might be stolen. I caught the program on WSUI *910 AM Iowa City, after 10:30 p.m. CST Sunday.

Steven Tuura in St. Catharines finds the 19th edition *FM Atlas* "very accurate." He notes an improved signal from KCLN *88.1 Toronto, and thinks it might have increased above its 230 watt level. However, the CRTC data I've seen shows no increase.

Until March,
Bruce F. Elving

Lightened Media Consumer

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New FM Stations, Translators, Low Power FM Stations Granted

Translators have less than 100 watts unless shown otherwise; technical parameters for most LPFM stations are not announced, but can be up to 100 watts at 30 meters above average terrain (horizontal, vertical or both h & v)

- AL Northport *88.1 1 watt horizontal, 20000 watts vertical, 150 m, d-a (directional antenna), with 22% power 320-80°, Mary V. Harris Foundation in a settlement agreement. The directional antenna and all that vertical radiation is to protect WBRC-TV 6 Birmingham.
- AR Cherry Valley *90.1 9000 h,v; 115 m, Impact Ministries International, Inc.
- CA Barstow *89.1 260 h,v; 221 m, Educational Media Foundation in a settlement agreement. See also "Deletions," below.
- CA Inyokern *88.7 180 watts h,v; 399 m, Living Proof, Inc., in a settlement agreement. Site south of Ridgecrest CA. May be a threat to K204AE *88.7 China Lake, which aims its signal north.
- CA Lakeport *88.1 100 watts v, 666 m, d-a, with 20% power 100-140°, Lake County Community Radio, Inc., in a settlement agreement.
- CA Redwood Valley *88.7 15 watts h,v; 590 m, Educational Media Foundation in a settlement agreement. To be "Air 1," as a satellite of KLRD 90.1 Yucaipa CA, \$, gr.
- CA San Bernardino *94.3 Vida Abundante, LPFM
- CA Tehachapi *88.7 140 watts h,v; 1126 m, d-a, with 22% power 50-100°, Educational Media Foundation in a settlement agreement. To relay KLVR *91.9 Santa Rosa, "K Love," \$, gr.
- CO Pagosa Springs *88.1 380 v, 399 m, KUTE, Inc., in a settlement agreement.
- CO Trinidad *90.7 450 h,v; 296 m, Educational Communications of Colorado Springs, Inc.
- HI Hokuakoa 92.1 4500 h,v; 893 m, Marquee Broadcasting, Inc., Auction 37 winner.
- ID Kootenai 106.7 1300 h,v; 353 m, Heliroaring Communication, Auction 37 winner.
- ID Salmon 94.5 8000 h,v; 860 m, d-a, with 18% power 70-90°, 120-160°, 200-240°, 270-290°, Skywest Media, Auction 37 winner.
- IA Waverly *88.9 15000 v, 100 m, d-a, with 57% power 100°, American Family Association in a settlement agreement. The FCC does not make clear if this will result in KWAR *89.1 Waverly's deletion. The new station's site is to be east of Waterloo. See below entry.
- *89.9 100 watts h,v; 16 m, Wartburg College, but a separate station from KWAR *89.1 apparently.

- KS Kiowa 98.3 100000 h,v; 104 m, Troy Unrah, Auction 37 winner. [School alumni Assn., LPFM
- KY Fern Creek *92.7 Fern Creek Traditional High/ KY Louisville *92.7 BRYCC House, LPFM
- LA Blanchard *89.1 20000 v, 124 m, d-a with 39% power 140-220°, Missionary Action Projects.
- MI Mundy Township (SE Lennon, north of Linden) WMRP-LP *104.7 Swartz Creek Radio, LPFM
- MI Republic 96.7 16110 h,v; 125 m, Radioactive, Auction 37 winner.
- MT Florence 103.3 1950 h,v; 635 m, Spanish Peaks Broadcasting, Inc., Auction 37 winner.
- MT Missoula 105.9 1950 h,v; 635 m, Spanish Peaks Broadcasting, Inc., Auction 37 winner.
- MT Stevensville 104.5 15000 h,v; 635 m, Spanish Peaks Broadcasting, Inc., Auction 37 winner.
- MT Whitefish 105.1 1600 h,v; 687 m, Cathleen R. Bee/Rose Communications, Auction 37 winner.
- NH Rochester WMEX-2 106.5 600 h,v. Booster of Farmington NH station.
- NM Texico 96.5 50000 h,v; 150 m, Tejas Broadcasting, Auction 37 winner.
- NY Delhi 97.5 4700 h,v; 113 m, Doube O Radio Corp., Auction 37 winner. [Church, LPFM
- NC Candler *103.9 Montmorenci United Methodist/ ND Burlington KWGO 102.9 100000 h,v; 156 m, Programmers Broadcasting, Inc., Auction 37 winner.
- ND Velva KTZU 94.9 100000 h,v; 156 m, Programmers Broadcasting, Inc., Auction 37 winner.
- OR North Powder KEFS *89.5 120 watts h,v; 545 m, CSN International [of Renovo station.
- PA Renovo WZYY-1 106.9 20 watts h,v. Booster/ TN Jackson WJKR-LP *98.7 West Tennessee Cultural Heritage Association, LPFM
- TX Gonzales *88.1 5000 h,v; 100 m, Maranatha Church of Laredo, Inc., settlement agreement.
- TX Mertzon *91.9 6500 v, 159 m, Solid Rock Broadcasting, Inc.
- UT Tremonton KLZX-1 95.9 5000 h,v; d-a, with 100% power 0°. Booster of Weston ID station.
- VA Hampton *103.7 Calvary Reformed Presbyterian Church, LPFM
- WA Lopez Island *102.9 The Gathering of Island Voices and Expressions (GIVE), LPFM
- WY Guernsey 104.1 50000 h,v; 127 m, White Park Broadcasting, Auction 37 winner.
- WY Laramie *88.9 400 h,v; 197 m, Educational Media Foundation in a settlement agreement. See also "Deletions."
- WY Marbleton 95.7 7000 h,v; 425 m, d-a, with 18% power 70-90°, 120-160°, 200-240°, 270-290°, White Park Broadcasting, Auction 37 winner.
- PR Bayamon WCMN-FM1 107.3 95 watts v, d-a, with 100% power 0°. Booster of Arecibo station.
- ND Grand Forks KFJM *90.7 4000 h,v; 34 m

- ND Minot KIZZ 93.7 100000 h,v; 169 m [250-260°
- OH Chillicothe WKJ 94.3 d-a, with 56% power/ BC Nakusp *107.1 2 watts h, Columbia Basin Alliance for Literacy (CBAL), a VLP (very low power) station. [to replace AM.
- BC Port Alberni CJAV 93.3 6000 h,v; r format/ BC Sechelt 91.7 600 h,v; oldies format, Westwave Broadcasting, Inc. Had applied for 93.1.
- PQ St-Aubert CHOX- 100.1 50 watts, 1 m d-a (with 12 watts some directions). Relayer of La Poutriere station.
- PQ Victoriaville KKYQ- 103.5 50 watts h,v; relayer of Pleissisville station. [TISation.
- SK Perdue 100.9 50 watts h,v, Jim Scharf for a/ VC Ocozotepec (Mecayapan) XHOTE 95.7 50000 h,v. Mecayapan is said to be 47 km west of Coatzacoalcos, while Ocozotepec is at 18-15-00; 94-54-00, or about the same location. "Radio Mas" with m, "musica romantica/nostalgia."

Call Letters Assigned or Changed

- AL Birmingham 107.7 WUHT (from WRAX), s, "Hot 107.7"
- AL Eufaula 92.7 WKZJ (WIOL)
- AL Helena 100.5 WRAX (WANZ), "The X"
- AL Huntsville *97.9 WFAN-LP
- AL Selma *89.5 WRNF
- AZ Prescott 99.1 KTMG (KNOT-FM)
- AZ Tucson *98.7 KWXL-LP [in Little Rock
- AR Cabot 102.5 KPZK-FM (KVLO), "Praise." AM is/ AR Humnoke 101.7 KVLO (KPZK-FM)
- AR Huntsville 99.5 KAKS (KREB-FM)
- CA Alpine *107.9 KRLY-LP (KRWI-LP)
- CA Arroyo Grande *103.7 KWOL-LP, on air with g.
- CA East Sonora *89.5 KARQ (KEKL), \$, gr, "Air 1"
- CA Eureka *98.1 KMKE-LP (KKKK-LP)
- CA Goleta 106.3 KMGQ (KKSBB)
- CA Hamilton City 101.7 KRER
- CA Jackson 94.3 KSPS (KOSL)
- CA Modesto *106.9 KEQP-LP; *107.9 KPSR-LP (moves from 106.9, ending share-time operation).
- CA Placerville 92.1 KBDB-FM (KREL), r, classic hits/hot AC, "Bob FM"
- CA Santa Barbara 97.5 KRUZ (KMGQ) 103.3 KQYB (KKSBB)
- CO Brush *89.5 KBWA (KBRS), "Way FM"
- CO Rye 104.9 KRYE
- CO Strasburg 102.3 KJEB (KAGM)
- CT Higganum *96.9 WWBW-LP
- DC Washington 101.1 WWDC (WWDC-FM)
- FL Bradenton 103.5 WFUS (WTBT), "US 103.5"
- FL Christmas *95.7 WLPM-LP
- FL Clermont *88.7 WWKG (WQQZ)
- FL Daytona Beach *99.1 WRWS-LP. This is the station of Bethune-Cookman College, Inc. It's to share

FMedia! Page 2 NC's WQNC 104.3 Moves from Old Fort to Fletcher May, 2005

time with WIKD-LP *99.1 Daytona Beach, the station of Emery-Riddle Aeronautical University.
 FL Ebro 95.1 WBPC
 FL Melbourne *93.1 WGRZ-LP (WCEE-LP)
 GA Bowdon 105.3 WLCL (WWVA-FM), with no format announced. From the calls, it looks like oldies, but Jerry Del Core, vice president for Clear Channel Atlanta, said resurrecting oldies "is not likely."
 GA Canton 105.7 WWVA-FM (WLCL), S, I, "Viva 105.7," moving from Bowdon 105.3. It will have better coverage from the 105.7 facility, reaching 30 percent more Hispanic listeners.
 GA Greenville 95.7 WIOL (WKZJ), op, "The River"
 GA Rockmart 107.1 WTSH-FM (WTSH-FM; AM in Rome GA has new calls)
 HI Kurtistown 102.1 KTBH-FM [The Arch]
 IL Granite City 106.5 WARH (WSSM), "106.5/
 IL Sherman 93.9 WABZ (WMMX)
 IN Bloomington *100.3 WIUX-LP
 IN Noblesville 104.5 WJJK (WGLD), r, classic hits/hot AC, "Jack FM"
 IN Shelbyville 97.1 WLHK (WENS), k, "Hank 97.1" *98.5 WSHI-LP
 IA Ottumwa *91.1 KUNZ
 KS Rozel 102.5 KKCW
 KS Salina 104.9 KSAL-FM (KZBZ)
 KY Hazard *106.1 WYZQ-LP
 KY Shelbyville *93.7 WXLN-LP. It's to share time with WSOP-LP *93.7.
 KY Sturgis 101.3 WEZG
 LA Hammond 103.3 WCDV (WBBE)
 LA Lafayette *90.9 KIKL (KAQE), \$, gr, "K Love"
 LA New Iberia 93.7 KRDJ (KOOJ)
 LA Oil City (moving from Magnolia AR) 107.9 KQHN (KVMA-FM)
 LA St. Martinville *89.9 KSJY (KAQE)
 LA Shreveport 102.9 KVMA-FM (KBED), "Magic 102.9." AM is in Magnolia AR.
 LA Sulphur *89.1 KJJN
 ME Oakland *88.9 WMDR-FM (AM is in Augusta ME)
 MA Lawrence 93.7 WMKK (WQSX), "Mike"
 MA Winchendon *91.1 WKMY [South Haven MI.
 MI Hartford 103.7 WSPZ-FM (WSPZ). AM is in/
 MI Monroe *97.5 WYDM (WEJY)
 MI Muskegon 106.9 WMUS-FM (WMUS-FM; AM has new calls)
 MI Oscoda 100.7 WWTH (WCLS)
 MN Lake Crystal 95.7 KQYK
 MS Booneville 99.3 WBVV (WBIP-FM) [131 m
 MS Redwood 105.5 WVBG, facilities to 1250 h,v./
 MO Aurora 100.5 KSWF (KGMV-FM)
 MT Billings *90.9 KLRV (KBIL)
 MT Charlo *103.3 KCTQ-LP
 MT Dixon *104.7 KCTD-LP
 MT Elmo *93.7 KCTM-LP
 MT Finely Point *107.1 KCTJ-LP
 MT Great Falls *91.5 KAFH; *97.1 K3MR-LP
 MT Kalispell *101.9 KXZI-LP (not KXSI-LP)
 MT Lonepine *94.1 KCTB-LP
 MT Pablo *106.7 KCTP-LP
 MT Park City *89.7 KBIL (KLRV)
 MT Turtle Lake *98.1 KCTG-LP
 NE Grand Island *90.7 KNFA
 NE Hastings *90.9 KNHA
 NE Ravenna 103.1 KKJK ["K Love"
 NV Mesquite *91.1 KEKL (KARQ), gr/ ["The Mill"
 NH Bedford 96.5 WMLL (WQLL), op, classic rock./

NH Nashua 106.3 WFNQ (WHOB), o, classic hits, ("106-3 Frank FM")
 NJ Linwood *101.7 WMRH-LP
 NJ North Cape May 106.7 WSJQ (WDOX)
 NJ Pleasantville *101.7 WOOR-LP
 NM Los Lunas 106.3 KAGM (KYLZ), t, mono
 NY Fairport 93.3 WFKL (WBBF-FM)
 NC Buxton 99.9 WHDX; 101.5 WHDZ
 NC Fair Bluff 105.3 WODR (WNFI)
 NC Havelock 105.1 WKOQ (WANG-FM)
 NC Jacksonville 98.7 WILT (WKOQ)
 NC Mars Hill *90.5 WYQS (WVMT-FM)
 NC Ocean Isle Beach 93.5 WLQB (WDZD)
 NC Roanoke Rapids *88.5 WRTP (WZRU), gr *90.1 WZRU (WRTP), jk. Note: Calls are not "WHGG," as shown p. 27 FM Atlas [Lite FM]
 NC Washington 98.3 WLGT (WMUM), m, "98.3/
 ND West Fargo *96.3 KXCQ-LP
 OH Belpre *91.9 WLKP (WMBP), \$, gr, "K Love"
 OH South Vienna *88.3 WVSO
 OR Bay City 98.3 KIXT
 OR Klamath Falls *107.7 KEUI-LP
 PA Berwick *100.3 WBBY-LP
 PA Gap *92.9 WGPQ-LP (WOBLS-LP)
 PA Grantville *93.1 WHBI-LP
 PA Johnstown 92.1 WRKW (WQKK)
 PA Nanty Glo *90.7 WLGJ
 SD Mission 100.7 KLGH ["The Max"
 TN Millington 98.1 WXXM (WSRR-FM), op./
 TN Nashville (Franklin TN area station) *98.7 WJKR-LP. This is the station of David Lipscomb University. It co-exists with W254BI *98.7 Nashville, which has its transmitter east of Burns TN.
 TN Selmer *90.5 WSMM
 TX Abilene 100.7 KFGL (KHYS), "Eagle"
 TX Centerville 105.9 KUZM (KTCJ)
 TX Devine 92.5 KRPT (KHTY), t, "progressive talk." Color it monophonic. ["K Love"
 TX Dripping Springs *91.9 KLOW, to be \$, gr./
 TX Jacksonville *95.1 KVOJ-LP. This is one of two share time stations on this frequency in Jacksonville TX, Bethel Church of Jacksonville, Inc.
 TX La Porte 103.7 KUST (KVST)
 TX Robinson 107.9 KHCK-FM (KDOS-FM)
 TX San Angelo *90.9 KPBE
 TX Spearman 98.3 KXDJ (KRDF-FM)
 TX Sterling City 96.5 KNRX (KCSE)
 TX Willis 99.7 KVST (KUST)
 UT Logan *90.5 KZCL
 UT St. George *90.7 KSGU (KZBS)
 VT Brattleboro *107.7 WVEU-LP
 VT Rutland *95.7 WMTZ-LP
 WA Mount Vernon *99.5 KCTK-LP
 WV Ripley *90.7 WLKV (WVRP), \$, gr, "K Love"
 WI Altoona *96.9 WJLM-LP
 WI Wittenberg *88.9 WVRN
 WY Chugwater 99.5 KCUG
 WY Douglas 92.5 KBQG; 100.9 KTED
 WY Evanston 106.1 KBMG (KRMF)
 WY Jackson *88.3 KNIL; *89.1 KURT
 WY Lovell 107.1 KROW
 WY Mills 105.5 KHAD
 WY Saratoga 99.3 KTGA
 WY Thayne 105.9 KTYN
 PR Las Piedras 98.3 WTTP (WSAN), r, Spanish CHR

Facilities' Changes Granted

AL Piedmont WJCK *88.3 2700 v (loses h), 295 m (d-a)

AK Fairbanks KYSC 96.9 5800 h,v (490 m), C1
 AK Ketchikan KRBD *105.9 (from 89.7). But it seeks *105.3, 3400 h,v; 21 m, downgrade to Class A.
 AZ Bisbee KWRB *90.9 99 watts v (loses h), 638 m, C2
 AZ Payson K220GZ *91.9 (from K219KQ 91.7), v
 AR Heber Springs KMJ *89.5 70000 v (224 m, d-a)
 CA Beba K213CT *90.5 (from K266AN 101.1), v (from h,v)
 CA Carpinteria KSBL 101.7 6000 h,v; 6 m
 CO Bennett KSIR-FM 107.1 97000 h, 624 m, loses v
 CO Holyoke KSTH 92.3 1000 h,v; 64 m, Class A
 GA Alma W206BM *89.1 (from W260AX 99.9), h,v
 FL Edgewater WKTO *88.9 (from 88.7) 25000 v, 108 m (d-a), Class C2. [with 34% power 40-90°
 GA Bolingbroke WWWD 102.1 4500 h,v; 115 m, d-a./
 GA Dawson WMRZ 98.1 80 m, no d-a (25000 h,v; moving from Hogansville). To reach Albany better.
 GA Macon WBKG *88.9 5500 h,v; 153 m (d-a)
 GA Pinehurst (move from Cordele) WQXZ 98.3 3100 h,v; 140 m
 GA Springfield (moving from Savannah) WEAS 93.1 97000 h,v + beam tilt (299 m)
 HI Princeville KITH-1 98.9 35 watts h,v
 KTOH-1 99.9 35 watts h,v
 IA Wapello KLRX *88.9 13500 v (1 watt h), 151 m, C2
 KS Eureka K231AO *94.1 120 h,v
 KS Parsons K220IX *91.9 (from K221EH 92.1), h,v
 KS Topeka WIBW-FM 94.5 98430 h,v plus beam tilt; 351 m
 MI Alpena W231BF 94.1 170 h,v
 MI Ironwood W220DP *91.9 (from W223AQ 92.5), h,v
 MN Anoka KQQL 107.9 96000 h,v + beam tilt, 333 m, no d-a [250 h,v
 MN Mankato K235BH *94.9 (from K232BC 94.3)/
 MN Winona W297AW *107.3 240 h,v
 MS Port Gibson WRTM-FM 100.5 50000 h,v; 150 m
 NE Gering KOZY-FM 93.3 (from 103.9) 100000 h,v; 311 m, C0 [m, C2
 NV Hawthorne KQMC *90.1 480 v (from h,v), 957/
 NJ Manahawkin WYRS *90.7 2200 v (removes h), 80 m, d-a, with 18% power 150° [serve Alamogordo
 NM Ruidoso KWES 93.5 2400 h,v; 575 m, C2, to/
 NM Santa Fe KBOM-1 94.7 5100 v (from h,v; retains d-a)
 NY Buffalo WBFO *88.7 117 m (50000 h,v; d-a)
 NY Cayuga Heights W205CB *88.9 to 180 h,v
 NY Dundee WFLR-FM 95.5 (from 95.9) 880 h,v; 261 m. It moves its transmitter south, with more coverage into Elmira-Corning.
 NY Hampton Bays WLIR 107.1 4100 h,v; 121 m (d-a)
 NY Rouses Point WKYJ *88.7 300 watts v (from h,v), 13 m, removes d-a (directional antenna)
 NC Fletcher (move from Old Fort) WQNC 104.3, r, hot AC, "Star 104.3" (from "Rock 104.3")
 OH Cincinnati WVMX 94.1 16000 h,v (264 m)
 OH Dayton WUDR *98.1 13 watts h,v; 27 m
 OH Hinckley W215BS *90.9 (from W269BS 101.7), h,v
 OK Atoka K219CX *91.7 140 h,v (from 250 h,v)
 OK Clinton K216FR *91.1 to v (less than 100 watts)
 OK Owasso (move from Collinsville) K235BI 94.9 (from K234AK 94.7), v (less than 100 watts)
 OR Hood River KCGB 105.5 1100 h,v; 234 m [C3
 OR Cannon Beach KCBZ 94.9 7000 h, 1200 v, 92 m./
 OR La Grande K256BI *99.1 (from K202CF 88.3; not "88.5," p. 101 FM Atlas map), v (less than 100 watts, but seeks 120 watts vertical).

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OR Tillamook KTIL 94.3 (from 94.1) [250 h,v]
 PA Lewisburg W207BT *89.3 (from W261CA 91.1)/
 PA State College W269BZ *101.7 (from W270AG
 101.9), h,v. Its serves the south part of State Col-
 lege, while W268BB *101.5 State College serves
 the Bellefonte area. [with 60% power 300-310°
 SC Charleston WALC 100.5 18500 h,v; 90 m, d-a/
 SC Lexington WLXC 98.5 6000 h,v; 99 m
 TN Bristol WHCB *91.5 4000 h,v (715 m), d-a, with
 61% power 200-220°
 TN Ripley WAUV *89.7 6400 h,v (120 m)
 TX Abilene KGNZ *88.1 91000 h,v; 252 m
 TX Amarillo KRGV *102.9 88 m (100000 h,v)
 TX Beeville K226AV 93.1 120 watts h,v
 TX Bloomington KLUW 106.9 100 m (25000 h,v)
 UT Eureka KUDE-3 99.1 (from 103.9)
 UT Nephi KUDE 99.1 (from 103.9) 83000 h, 668 m
 UT Provo KUDE-1 99.1 (from 103.9), 4500 v (d-a).

See also "Deletions." [(adding v[er]tical polarization)]
 VA Norton W255BT *98.9 (from W202AL 88.3), h,v/
 WA Colville KCRK 92.1 5400 h,v; 105 m [m, C3
 WI Richland Center WRCO-FM 100.9 23000 h,v; 105/
 WY Cheyenne KLEN 106.3 6000 h,v; 99 m, Class A
 WY Fort Bridger (move from Smithville UT) KGNT
 103.9 89000 h, 647 m, Class C. Transmitter to be
 in Utah, east of Coeville. To serve Salt Lake City.
 WY Lyman (move from Tremonton UT) KBNZ 104.7
 (from 104.9) 89000 h, 647 m, Class C, but at a dif-
 ferent location from KGNT. Site just NW of Tremon-
 ton. [plus beam tilt, 493 m

WY Rock Springs KSIT 99.7 (from 104.5) 99380 h,v/
 WY Warren Air Force Base (move from Scottsbluff
 NE; located on the west side of Cheyenne) KMOR
 92.9. Its transmitter to be in Colorado.
 AB Edmonton CJRY 105.9 193 m (100000 h,v), at a
 site 19 km NE of its present site.

ON Kitchener CIKZ 106.7 (from 99.5). The CRTC also
 granted Bel-Roc Communications a station in the
 Simcoe-Kitchener area, but it must find a different
 frequency from the 106.7 it applied for.

PQ Saint-Georges-de Beauce CKRB 103.5 (from
 103.3) 17000 h,v (117 m)

Stereo—Or to be Stereo

TB Villahermosa XHTVH 94.9, sl, but with Hispanic,
 pop, hip-hop, urban, dance.

Monophonic

GA Macon WAYS 105.5 t, now mono, sports, "ESPN.
 . . The Fan" (from "Oldies 105")
 MN Cambridge WUSG-LP *88.7, gt, 3ABN Radio
 TN Oak Ridge WOKI 100.3 nt, mono, "NewsTalk
 100.3" (from "World Class Rock")

Format Changes

Formats are the same as in the FM Atlas.

AL Auburn WAUF-LP *94.3 gr
 AL Fort Rucker WLDA 100.5 r, CHR, "Wild 100"
 CA Los Angeles KCBS-FM 93.1 r, classic hits/hot AC,
 "93-1 Jack FM" [Rock 96.7°]
 CA Manteca KMRQ 96.7 rp, "New Rock 96.7" (from/
 CA Oakhurst KAAT 103.1 S, I, "La Maquina Musical"
 (from "The Breeze") [Radio]
 CA Shafter KKXX-FM 93.1 r, hot AC, "93.1 Pirate/
 CO Denver KFMD 95.7 S, sr, "Mega 95.7" (from "Kiss
 95.7"). Music is described as "reggaeton, Spanish
 hip-hop and dance." Its ratings had fallen below
 two existing Spanish stations in the market.
 GA Brunswick WKQL 100.7 o, "Kool 100-7"
 IN Chandler WLFV 93.5 k, "Wolf"

IA Ankeny KDRB 106.3 r, o + hot AC, "106.3 The Bus"
 IA Decorah KVIK 104.7 o, classic hits. Still "K Viking
 Gold." [(from "Thunder Country")
 KS Burlington KSNP 97.7 op, "97-7 The Dawg/
 KS Chanute KKOY-FM 105.5 mr, "Sunny 105.5"
 LA Folsom WJSH 104.7 k, classic country, "Classic
 Country 104" (from "North Shore 104.7")
 LA New Iberia KOOJ 93.7 o, classic hits, "Red 93.7"
 (from "Real Rock 93.7")
 LA Rayne KBEB 106.7 o, "The All New B 106.7"
 ME Islesboro WBYA 105.5 op, "Frank FM" (from "Mu-
 sic of Your Life")
 MD Baltimore WQSR 102.7 r, "Jack" [Doug FM]
 MI Detroit WDRQ 93.1 r, hot AC/classic hits, "93.1/
 MI Pinconning

WSAG 104.1 mr,
 "The Bay"
 MN St. Louis Park
 WXPT 104.1 r,
 classic hits/hot
 AC, "Jack FM"
 (from "Mix 104.1"). Now with a wider playlist.
 [Smooth 100.5" (from "Rhythm")



MS Port Gibson WRTM-FM 100.5 s, adult R & B/
 MO Asbury KWXD 103.5 k, "Thunder Country"
 MO Lamar KHST 101.7 op, "101.7 The Rocket" (from
 "Real Rock 101") [try] (from "Mix 92-9")
 MO Ozark KOMG 92.9 k, classic, "92-9 Bass Coun-/
 MT Great Falls KLSK 100.3 gr, "K Love"
 NE North Platte KELN 97.1 m, "Mix 97.1" (from "Hit
 Radio 97") [Mega 104.1"
 NM Santa Fe KABQ-FM 104.1 S, sr, "urban," now/
 NY Glens Falls WBLN-LP *104.9 g, LifeTalk Radio
 OH Oak Harbor WJZE 97.3 s, "Hot 97.3" (from "Fox
 97.3")

OR Portland KKSJ 97.1 r, classic hits/hot AC, "97.1
 Charlie FM" (from "97.1 Kissin' FM") [99.5°]
 OR Reedsport KJMX 99.5 o, "True Oldies" (from "Mbx/
 PA Altoona WWOT 100.1 sr, "Hot 100"
 PA Ebensburg WYOT 99.1 sr, "Hot 99"
 PA McConnellsburg WEEO-FM 103.7 r, "Hot 103.7"
 (from "103.7 The Revolution")
 PA Mount Carmel WVRZ 99.7 r, "Variety 99.7," simu-
 lcasting WVRT 98.7 Mill Hall
 PA Philadelphia WMWX 95.7 r, hybrid hot AC/classic
 hits, "95.7 Ben FM" (from "Mix 95.7").

PA Pleasant Gap WQWY 98.7 r, "Quick Rock"
 PA State College WJHT 103.1 sr, "Hot 103.1"
 PA University Park WOWY 97.1 o
 PA Waynesboro WFYN 101.5 o, classic hits
 TN Jefferson City WNRX 99.3 t, sports, "The Sports
 Animal 99" (from "NewsTalk 99"). Still monophonic.
 TN Loudon WNOX-FM 99.1 t, sports, "The Sports
 Animal 99," still monophonic.

TN Surgoinsville WEYE 104.3 sr, "Hot 104.3"
 TX Marshall KCUL-FM 92.3 S, I, regional Mexican,
 "La Invasora."
 TX Mason KHLE 102.5 k, "Hot Country 102.5"
 TX Pittsburg KDVE 103.1 t, mono, "Talk Radio 103.1"
 (sells "The Ranch") [Sports 100]. Back to stereo.

TX Tatum KXAL 100.3 S, r, "Romance 100.3" (from/
 VA Appomattox WSNZ 93.5 mr, "Sunny" [105°
 VA Bridgewater WBHB-FM 105.1 o, "Classic Hits/
 VA Galax WOKG *90.3 gr, "Spirit FM," receiving its
 programming from WRXT 90.3 Roanoke.
 VA Roanoke WZBL 104.9 k, "The Bull" [The Buzz°]
 WI Waunakee WBZU 105.1 r, "Jack" (from "105-1/
 VC Coatzacoalcos XHOM 107.5 m, "La Nueva Amor"

On Air—Real Stations and Pi- rates (Selected)

IL Metropolis WRIK 98.3 100000 h,v; 213 m. Serving
 Paducah KY with C1 facilities.
 IA Coralville KOUR-LP *92.7, with EWTN Catholic
 programming.
 MI Iron Mountain WHTO 106.7 being sold by Todd
 Stuart Noordyk to Bruce Grassman's Results
 Broadcasting for \$650,000. He won WOBW 100.7
 Crystal Falls and WJNR 101.5 Iron Mountain MI.
 MN Ely WELY-FM 94.5-AM sale approved by the
 FCC for a reported \$445,000 to the Boise Forte
 Tribal Council. [See March p. 5, col. 3.]
 MN Hibbing KADU *90.1—"that bedlam station is
 back on the air!"
 NY New York WSKQ 97.9 is #1 in the morning with
 "El Vacilon," 7.4 share. This tops Howard Stern on
 WXRK 92.3.

OH Lorain WCLV 104.9 and AK Anchorage 98.1 are
 two commercial stations that carry live broadcasts
 of the Metropolitan Opera. They've been subsidi-
 zed by ChevronTexaco, who picked up sole
 sponsorships. Now that subsidy is about to end,
 with the stations able to carry local commercials.
 WCLV thinks it can sell more than the \$35,000 it
 was paid, while KLEF thinks the broadcasts will
 disappear from the Anchorage market.

OH Sandusky WXML *90.1 gave Back to the Bible a
 check for \$21,000 for tsunami relief. The funds rep-
 resented half the amount raised in a one-day spe-
 cial Sharathon, with an equal amount presented to
 the Salvation Army. WXML treasurer Bob Nachbar
 made the presentation to Art Figurski, assistant to
 the president of Back to the Bible. Joe Emert of
 Life Radio Ministries in Atlanta coordinated the
 special Sharathon and services as Mission's Con-
 sultant to WXML.

WY Newcastle KRRK 99.5. Its new CO CP will enable
 it to serve Rapid City SD.

Off Air—Or Not Yet On

MN Sebeka KOPJ *89.3. It was to have been on by
 now.

Deletions

CA Barstow K205EE *88.9
 CA Burney K272CQ 102.3
 CA Sonora K208CZ *89.5, KTUO *99.1
 CO Parachute K228BW 93.5
 CO Parkdale K220GW *91.9
 MA Andover W227AM 93.3
 MS Kosciusko WJTA *91.7, per licensee's request.
 PA State College *104.5 LPFM station.
 UT Lehi KUDE-2 103.9 (would have gone to 99.1)
 UT Provo K256AE 99.1
 WY Laramie K205EL *88.9

FMistakes, FMedia! FM Atlas-19

GA St. Simons Island WBGA is 92.7, not "97.7," April,
 p. 3, col. 1.
 IA Johnston *95.7 is KGCW-LP (not KOCW-LP as
 shown April p. 3, col. 1).
 TN Bellemeade WWFN 106.7 is "106.7 The Fan" (not
 "106.7 The Farm," as shown April p. 3, col. 2).
 TX Huntington KSML-FM 101.9. The AM station,
 KSML (not "KSBL") is in Diboll TX, correcting a
 mention April p. 3, col. 2. [4, col. 2.
 TX Stephenville *89.7 is KEQX, not "KQEX," Apr. p./
 VT White River Junction WXLE 95.3 "Wolf."

SCServices, 57, 67, 92 kHz

Symbols are as in the FM Atlas

FL Safety Harbor WYUU 92.5 †T, 67, voiced traffic reports all the time.

MI Berrien Springs WAUS *90.7 has only †() RDS, with no 67 kHz telemetry. "We're hoping to have more income, such as from tower rental."

VA Virginia Beach WPTE 94.9 †(), RDS, reading "94.9 THE POINT."

WV St. Marys WRRR 93.9's †C is to be at 67 kHz.

ON Toronto CFIE 106.5 †V (assumed 67 kHz), TNVN Radio, Tieng Noi Viet Nam. Programming to be 95 percent Vietnamese; 5 percent English. It will produce 60 percent of it locally, with the rest coming from the U.S. and Vietnam. The percentage of Canadian production is expected to increase.

"I just want to tell you the G-E Superadio with the two-switches adapter (67 and 92 kHz) is excellent. No crosstalk, compared to the (older) Radio Shack with the tunable adapter." D. B. Pittsburgh PA.

"The modified Sony radio with FM-SCS and TV-SAP works very well," D.A., Venice FL.

NonIDs, Not Just Slogans

Mentioned usually without call letters; "strict" if a station uses call letters once per hour (at or near top of hour) as required by FCC and Industry Canada

FL Lakeland WSJT 94.1 Smooth Jazz 94.1

FL Miami WPYM 93.1 93 Rock

FL Tampa WBVM *90.5 Spirit FM (from "Spirit 90.5")

GA Folkston WFJO 92.5 Rejoice (still black gospel)

IL Du Quoin WDQN-FM *95.9 3ABN; noncommercial operation.

IL Morton WDQX 102.3 The Eagle

IA Des Moines KMXD 100.3 My 100.3 (from "Mix 100.3")

IA New Hampton KCZE 95.1 The Bull (from "Chickasaw Country")

KY Central City WQXQ 101.9 Q 101.9 (from "Q 102")

MI Traverse City WLDR-FM 101.9 Sunny Country

MO Hannibal KJIR *91.7 91.7 The Cross

MO Rolla KDAA 97.5 K Day 97.5 (from "K Day")

NM Albuquerque KDRF 103.3 103.3 Fred FM (not "Ed FM")

NY Catskill WCTW 98.5 98.5 Lite FM (from *98.5



The Cat)

[94.5 Kiss FM)

OH Englewood WDKF 94.5 Channel 9-4-5 (from/SD Bucksport WGTR 107.9 Gator 107.9 (removing "Gator 93.5")

Selected AM Happenings

MB Winnipeg CJML 580 is a temporary events' station, commemorating the 60th anniversary of the ending of World War II. It was to have been on through mid-May, 2005. Is only 99 watts, compared to the 50 kw CKY (AM) had, before converting to FM. Its website is cjml.cjb.net, with phone 204-895-2565. A listener on the north side of Winnipeg said he gets it but reception is a bit scratchy. "The person I talked to was inter-

ested to know that I am hearing it on vintage tube Zenith and Hallicrafters radios."

FMakings—Selected FCC and Industry Canada Applications and/or Rulemakings

AL Northport 105.5A added

AL Orville 100.9C2 (move from Selma 100.9C2), denied this petition by WALX.

AL Shorter 107.9A added. Denied was a petition by WJAM 107.9C3 Orville to move to Shorter as a C2.

CA Cambria 106.5A added.

CA Cedarville 99.9A added.

CA Coachella 103.5A added.

CA King City 102.9A added.

GA Sandersville WSNT-FM 99.9, deleted, petitions for reconsideration. Similarly, AM 1490 petitions the FCC for reconsideration, as do several other Georgia stations listed last month as deleted.

ID Idaho Falls 107.9C1 dismissed for lack of interest by the petitioner.

KS Wellington 102.1A dismissed for lack of interest.

LA Logansport 97.5A dismissed for lack of interest.

MN Ada KRJB 106.5 (from 106.3) 100000 h,v; 138 m, C1. To serve Fargo ND.

NV North Las Vegas K295AJ *107.1 (from 106.9), v

ND Lisbon KQLX-FM 106.1 100000 h,v; 218 m, tower midway between Lisbon and Fargo.

TX Center 97.5A dismissed for lack of interest on the part of the petitioner.

WI Wisconsin Rapids WGLX-FM 103.3 65000 h,v; 244 m, from a site midway between Marshfield, Wisconsin Rapids, Wausau and Stevens Point.

WY Bairoil 94.9A for 100.9A, proposed by FCC

WY Sinclair 101.3C for 100.3C, proposed by FCC.

AB Edmonton 99.3 100000 h,v; 148 mn, smooth jazz station, Rawlco

NS Halifax 105.1 32000 h,v; 148 m, to be b(eautiful) music, Global.

ON Barrie CFJB 95.7 41000 h,v; 303 m, CKMB 107.7 20000 h,v; 303 m. Both to be on the

CKVR (TV-3) tower.

FM As It Was—Or Might Have Been: Hear FM AS Armstrong Would Have—On 42.8 Megacycles

From the historic Alpine NJ FM tower used by Edwin H. Armstrong will be a special broadcast using wide-band FM on 42.8 megacycles with the call letters WA2XMN, June 11-12, 2005. This has to do with the 70th anniversary of Armstrong demonstrating wide-band FM for the first time. And to think that I was alive then! Power is estimated to be 250 watts. Scott Fybush saw the transmitter at a Society of Broadcasting Engineers meeting held at the site in January. "It was built by Steve Hemphill from Philadelphia [owner of Solid Electronics Company], and it's a beautifully-made Phasitron, using NOS (new old stock) tubes. . . It's been operating on

and off at 44.1, which is where it was when I heard it. Audio in January was coming from a CD player into a Shure mic mixer, [then] into an Optimod 8100! No stereo, but it sounded sweet. Steve also modified one of those Tivoli table radios to tune the 'old' FM band, and it was also playing on a vintage Stromberg-Carlson console in the museum at the Armstrong site." If you're not in the New York city area, it is possible to listen online. Check cscmgt.com or send an e-mail to SHemp949@aol.com.

Also working on the project is Charles Sackermann, Jr., CEO of the company which owns the Alpine tower. They said they have special temporary authority from the FCC to conduct the broadcast on Armstrong's original FM frequency using experimental calls WA2XMN.

Programming will include a dramatic production of the *Empire of the Air* based on the book about early radio by author Tom Lewis. Also planned are excerpts from a 1941 test broadcast between stations of the original Yankee Network in New England, featuring voices of Armstrong, Paul deMars, Yankee Network chief engineer, and others. They also plan to rebroadcast the final sign off of Armstrong's pioneer FM station W2XMN/KE2XCC in 1954, following Armstrong's death.

FCC To Auction More FM Allotments

The FCC will begin a new FM auction on Nov. 1. A total of 173 allotments will be available; 143 are new and 30 remain unsold from the previous FM auction. Auction No. 62 will use the FCC's integrated spectrum auction system, a redesign of the previous auction application and bidding systems. The Commission says it has enhanced the FCC Form 175 application search function. The agency also updated the auction bidding system for easier navigation, customizable results, and improved functionality. Expect a procedures notice to be out in June with a filing window in August, states [Radio World](#).

Comments on DA No. 05-1076 are due April 29.

Small-Print Happenings and FM Industry News

A technology most often used in short-wave broadcasting is holding promise for

FM. It's DRM, Digital Radio Mondiale. That, along with Canada's and Europe's Eureka 147 are closing ranks, and expanding to FM-like technologies. The new way of configuring DRM is to extend its usefulness up to 120 mhz, according to a story in Radio World.

Developers of DRM are the DRM Consortium, which plans to combine technologies with Eureka 147, at least on some projects. For those looking toward DRM as a replacement technology for so-called "HD Radio" (iBiquity's in-band on channel system) it may be too late, since the DRM group hopes only to be ready with testing of its system by 2008-2010. Ibiquty declined comment following the announcement about the DRM-Eureka 147 get-together.

From what I've read, there wasn't much news about DRM at the National Association of Broadcasters convention, but it did feature lots of gear, including Continental's new 816HD transmitter. That unit's unique in its combining analog and digital into a single tube-type transmitter. It is available in a 20-kw version (most likely the analog power) and soon in a 25 kw model.

Don't expect SCS-type services to be easy to tune in, come in-band, on-channel, with its ability to codify various combinations of audio sources. Digital Radio Express is a company which claims to take the analog FM subcarriers (such as at 67 and 92 kHz) and combine them into two monophonic digital carriers. They are said to be free of license fees for broadcasters. The service is for subscription programming, and tuners can be turned on and off by the station.

AOL plans to offer 20 stations of XM Satellite Radio—with commercials—for a fee. XM will share in the fees and the advertising revenues for the joint venture. Those 20 stations will be added to a current lineup of 130 stations, and might cost as much as \$50 more a month for AOL customers.

KEAR *106.9 San Francisco goes for \$90 million to Infinity, netting Harold Camping's outfit \$55 million after paying \$35 million for KEAR 610 AM. Family Stations, Inc. began on KEAR when it was on *97.3 in 1959. [See also March, p. 8, cols. 2-3.]

Consolidation again affects the tower industry as American Tower buys Spectrasite for \$3.1 billion. American Tower is the company that Steve Dodge built alongside the former American Radio Systems which he sold to Infinity. Now it does an all-stock deal with Cary, NC-based Spectrasite. American Tower will operate more than 400 broadcast towers among its 22,600 total sites, reports *M Street* online.

Obituary: Don Erickson, Riverside CA, seller of radio-TV related books, from his "Century Print Shop." He died in a fire at his home. He distributed the *FM Atlas* in the 1970s and was a little younger than me.

From the classifieds: Want to buy FM translators in the western U.S., Dougs@inradio.org, or 530-684-5700, Ext. 11.

The 2005 WTFDA TV station guide, soon available. It's the first such guide in three years, featuring Doug Smith's TV channel maps, listing both analog and digital TV stations. Punched for a three-hole binder, \$25. Send check to John Ebeling, 9209 Vincent Ave. S., Bloomington MN 55341-2157. WTFDA stands for Worldwide TV-FM DX Association, a nonprofit club.

FM Forum

Contributions From Readers

Tom Cornell recently retired after 47 years with Delphi (formerly Delco) Electronics, Kokomo IN. Here's a narrative from his wife, Leelia, followed by some comments by Tom: This was a once in a lifetime day, a day we looked forward to for many, many years—Tom's retirement party given him by his co-workers. It had the same feeling as the other parties our friends gave us, only a different set of people. But, these were the people who worked with Tom and knew what his contribution meant to the company and the world as a whole. I was proud.

Tom worked there 47 years. Was it a record? He began out of high school at General Motors Institute alternating school for eight weeks with working at the plant for the same period. He also worked there summers. I realized I was just out of seventh grade when he started there. When I entered Tom's world, he'd just completed Purdue graduate school with a master's degree. As a new, young engineer he had big ideas of perfection, making the best possible product. His ideals of quality were high. If a consumer was going to buy a product, it ought to be as good as it can be. These standards define his 47-year career. He had a hard time as a young engineer convincing the older men of this. Who was this young upstart who thinks he knows it all? He was often discouraged, and I tried to encourage. It took a while for his ideas to catch on. But now all those old men are gone. Today, Tom is the old man. Over the years Tom made his point. Today those younger engineers who learned from him honored him for those very ideals he cherished and fought for when I first knew him. It was a happy, sad day. No one wanted him to go.

His company is the biggest supplier of automotive products worldwide. Tom's part of this field is understanding radio reception. His knowledge of radio signal conditions around the world, his dedication to perfection and to pleasing the customer no matter what has helped to make Delphi what it is today, the world's largest supplier of automotive radios and other products.

Tom has traveled to every continent except Africa for the company in the quest of making customers happy. He traveled all

over the U.S. as well, meeting customers directly to hear their complaints and trying to make things right. All of this contributed to the image of Delphi to the global market. (Kokomo has the world headquarters of the electronic division of Delphi.)

Besides studying customer complaints, Tom also traveled to Brazil, Singapore, Japan, Korea, Australia and all over Europe and many states coast to coast testing radios and measuring radio signals on road trips. Tom pioneered most of his work. He was the only one in the world who did what he did. To leave, he had to train a man to take his place, and he has also trained people in several other countries.

Tom's big achievement was the lab he created at Delphi in a comfortable meeting room which simulates radio conditions in many places worldwide. It was his brainchild. He also developed a mobile lab in a van which was driven coast to coast to examine signal conditions as it moved.

In the two years leading up to his retirement, Tom helped fellow engineers develop a new DSP-based AM/FM receiver which demonstrated, using his test room. Prospective customers came from auto companies around the world. In some cases, the test room got as much attention as did the radio.

He was given a present of a recent radio in a lovely wooden cabinet, and it was used to play a program recorded by one of his fellow engineers who did a hilarious account of Tom's accomplishments by gilding the stories wherever possible. A lot of nice things were also said about him, particularly by his boss. Later, many people came up to me with personal comments. They said Tom's commitment to excellence made a big difference in this company.

Many anecdotes were told of his escapades, and I added a few stories of my own, funny as well as interesting. For example, while near Seoul, he was picked up with his fellow engineers by the Korean CIA and grilled for a half hour when they were innocently taking pictures of the highway near their facility on which they had just done some radio testing. On another trip, his boss was stopped and almost arrested in West Virginia because of the large number of loose radios that were clearly visible out the hatchback window of the vehicle he was driving. He had quite some time explaining the purpose of the radios, which a trucker had reported as probably stolen, and also about the car that wasn't his!

It was also quite an international gathering. There were engineers from Jordan, South Vietnam, China, Singapore, Korea, Japan, and Germany as well as a number of African Americans. When the party was all over, three other engineers and we went into Tom's lab, the one he created and where he spent most of his time. We sat there and talked for an hour informally. We

didn't want it to end, but the time finally came.

Now a word from Tom himself. He's a former *FMedia!* subscriber, and one who helped engineer it so that my FM stereo station data was included in the owner's manuals of several General Motors cars, such as all the 1987 Oldsmobiles.

Bruce, My title at retirement was "Senior Development Engineer." In the last 20 years of my 47, my function was to study and define the problems of AM and FM radio reception as well as provide test methods to duplicate or simulate them. I also selected tests areas which we used to verify receiver performance before putting new products on the market as well as worked with our customers to learn the nature of their test routes. This effort resulted in trips to Austria, Australia, Brazil, Germany, Italy, Japan, Korea, Malaysia and Singapore as well as many places in the US. In addition, I helped with the early studies of satellite radio reception.

All this, of course, has been very fascinating to me and has taken me to some interesting places including the top of Mount Wilson (many trips) as well as the roofs of the Hancock Building in Chicago, Renaissance Center in Detroit and McGraw-Hill Building in New York. In addition, I sought out both weak signal areas as well as those exhibiting just about all forms of multipath and other signal interference. The results of these studies were used to program a set of test equipment which we call the Dynamic Listening Simulator. Its purpose is to recreate, as closely as possible, the field conditions we observed in moving cars, so we could make design improvements or adjustments before actually taking our receivers to those locations for verification. It has also proven to be a very valuable design tool as receivers have increased in their complexity and ability to be customized. This proved especially true with the development of the new software-defined DSP radios which have many degrees of design freedom. It is with shame I have to admit that, when I retired, I had a small stack of your *FMedia!* publications still in their envelopes on my desk that I was never able to get to. We were in the midst of the DSP radio development during my last two years. In addition to customer trips, I also had to train my replacement before "pulling the plug." It was with no disrespect to you that this happened. I just didn't have time to cover everything that was going on. . . During my retirement party Leelia heard some rather exaggerated praise that was partly intended to be humorous. Listening to it, you would think I single-handedly perfected FM radio and several other things. Definitely, I do feel that my years of car testing as well as FM DXing have given me a good understanding of AM and FM reception matters, but I have definitely benefited from the

help of many others. I think my best achievement was playing a useful role in the improvement of FM reception in cars, which has made them so immensely popular with our customers.

Yes, I still have my tuner. The air-variable capacitor got pretty loose and sloppy and made it difficult to tune stations accurately, and it's in a box in our attic. Sadly, Docket 80-90 resulted in the assignment of two Channel 254 stations in Indiana. From my earlier studies, I thought a station here on that frequency could never happen, but I did not consider the possibility of Class A stations. WFMT [98.7 Chicago] has not been receivable on my equipment for some years. I am, however, enjoying a bit of their programming in the evening on XM Satellite Radio. Bill McGlaughlin, who does St. Paul Sunday on Minnesota Public Radio, has his "Exploring Music" program on Channel 110 in the late evening. I have a receiver on top of my computer table and can enjoy it as I use my computer.

Being able to receive WFMT here [in Kokomo IN] was a combination of the tuner, which had a rather narrow IF strip, as well as a good directional antenna system. It was all solid state, but its tuning display was modeled on the noted Marantz 10B Tuner. It provided a fine FM DXing facility, but it also gave me exposure to VHF reception conditions that were a great aid to my understanding of how these signals behave. Am very sad to say the antenna is in a serious state of disrepair and needs to come down for service.

Am curious what you think of IBOC (alias HD Radio). One wag at the plant said it stands for "It's a bunch of Crap." I remain concerned that the expansion of stations' spectral content beyond what was for many years the norm will cause several kinds of trouble, the most important of which will be the general degradation of weaker signal reception on the band. Mainly, it will affect the automotive listener who travels some distance to work and will reduce their listening range and choices.

I asked him to write about any volunteer work he might have done. He said: Yes, I did help WHSK, the Class D station of Kokomo High School, apply for an FCC construction permit to change frequency (from the reserved band, 88.1-91.9) and improve their broadcast antenna. I did most of the technical portion of the application including constructing the maps showing the tower location and calculating the resulting HAAT (height-above-average-terrain).

I had forgotten this. As it turned out, the teacher-advisor of the station had done some listening tests to pick a frequency, and it was 98.7. Luckily, he was willing to move to 98.9, and that did not bother my reception of WFMT. Earlier, I also provided some help to the local extension of Indiana University when a professor there decided he would

like to start a campus radio station. I think the administration later declined to do this, but now they do have a translator at the school for the main campus station, WFIU which really turns out to be what I had hoped for at the time.

One other broadcast interface I had was over the revised FM field strength curves the FCC later adopted from R-6602. I became concerned when a number of the Chicago FM stations moved to higher transmitting sites, and their signals dropped fairly significantly here (125 miles away). The new curves, in fact, predicted this result. Of course, my observations were done with a high-gain receiving antenna at about 75 feet, but I was concerned the same might occur much closer to the station when a very low receiving antenna was used, such as on a car. Part of the problem resulted from the ERP the stations were allowed to run was based on the older power-height limits. The new field strength contours clearly showed they over-compensated for height gain above 152 m HAAT. Thankfully, powers of high antenna stations were later increased. Even so, distant signals did drop, and I suspect signals beyond line-of-sight in cars did decline in these cases.

When WBBM-FM 96.3 moved from its old location and antenna to the master antenna on the Hancock Building in Chicago, another engineer and I were requested to do some testing around the area to determine how much benefit there was in a car when the mixed-polarization transmitting antenna was in use. We found it typically around 20 dB stronger on the car's whip receiving antenna than the old lower horizontal antenna. As I recall, the ERPs were 36 kW/190 m and 6 kW/357 m. It was this trip which got me the visit to the roof of the Hancock Building. And, I didn't have my camera with me!

There was an interesting community service job my boss and I were involved in. The local sheriff wanted to buy some new solid-state mobile radios as well as a new base station, and one of the county commissioners was resistant to the cost of the project. He thought the radio expertise available at Delco might help determine if the expenditure was justified or not and requested help from our general manager. My boss and I were the ones chosen, and we visited the sheriff's office where we were briefed by his radio officer on the equipment they wanted, and shown the purchase specification which was required by state law to go out for bids. It took us a few minutes of reading this document to realize that it was very specific as to the design of the wanted equipment and that only one supplier could possibly meet it. For example, the type of power transistors specified were made by only one company, and there were other like requirements which had abso-

lutely nothing to do with the performance of the equipment.

What we had uncovered amounted to a disguised single-source specification that would result in radios being bought at top price and most probably a nice prize for the salesman who sold it as well as something under-the-table for persons on the buying end. We had the opportunity to discuss our findings with the salesman of the major competitor to this company, and he offered us his equivalent specifications. In short, these guys knew all about what one another were doing. My boss and I were not at all pleased as a result of this exposure to how taxpayers are probably being ripped off regularly by county and other governments. More than once, my boss, who had many other experiences with local government, remarked, "Isn't it a good thing we don't get as much government as we pay for?"

One more war story: One night we were testing radios in Detroit, and it got quite late. We were not far from the Cadillac plant and thought nothing of our surroundings in this industrial area since we came from a small town. We were examining something in one of our cars with the lights on when suddenly the police showed up with guns ready. The man who approached the car had no uniform on but quickly identified himself to our assistant chief engineer, who was along, as a police officer. After inquiries about what we were doing and his being satisfied we were telling the truth, he said, "This is really not a good area." We quickly got out of there!

This and the KCIA incident are probably my best police stories, but there were others. Surprisingly, the day we did 120 laps at Ten Mile Road and Greenfield did not get us a police visit. Apparently the residents of that area were very used to people testing radios like we were, and we always did our best to appear non-threatening.

Later came this response from Mr. Cornell, beginning with his recommending the *FM Atlas* to General Motors: I thought you were the best prepared to provide station information useful to the typical customer.

To be honest, I made quite a bit of use of the FCC database in the last few years, simply because it provides geographic coordinates. With a spreadsheet containing a Great Circle calculation, you can learn quite a bit about potential or known signal overload areas, and I built them for quite a few places. This level of station information, however, is not really needed except by rather select people, such as those trying to figure out where they might locate a new radio station or what the restrictions are on moving an existing one.

The database also allowed me to be aware of impending changes that might affect our test areas. It did not tell me when they actually happened, and that was some-

thing you always excelled at because of your network of observers. Have you, by chance, kept track of stations as they go IBOC? There is a specific group of stations in downtown Cincinnati on one tower that I'd like to understand better. Two stations on that tower are the only co-located ones spaced by 800 kHz in this area where a station that is a victim of their intermodulation products is some distance away.

Not sure that I ever mentioned to you the Ten Mile-Greenfield area in northwest Metro Detroit which was our standard test for this problem. One tower there, called "Gotham Tower," originally had four FM stations on it, and the victim station was downtown, about 16 km away. This was the ideal IM test site. It was a residential area, and you only had to drive a small block to see how well or badly a radio worked. The victim station was licensed to this same area, and one would normally expect to receive it satisfactorily. Nearby was the high-traffic artery of I-696, and lots of people were exposed to the overload condition. It was absolutely perfect. On one trip, I made at least 120 loops around that block while testing a number of radios in several cars! Then, one of the stations (ex- WQRS 105.1) got moved, and I lost a "friend."

This was the result of a station consolidation move, and that's also what brought the two in Cincinnati together, I think. In this case, the victim station is actually closer (meaning a stronger signal into the radio), but the result is worse. I was never able to figure out why and wonder if IBOC might be involved since it widens the spectrum of a radio station?

In the back of my mind is what we heard in the 1970's while "circumnavigating" the Empire State Building. It had the major FM stations in NYC except for one or two. The one of interest was WTFM 103.5, which was located only a few blocks away on the Chrysler Building. On much of the loop around the ESB, it got buried in a sea of noise. After doing some reading and recalling some observations from the tests, I later realized that this noise was actually transmitted by the stations themselves. Those old transmitters were quite noisy (read up on Phasitron FM systems, and you will know why), and their cumulative noise was every bit as bad as any overload they caused.

So, we were partly dealing with limitations of the transmitters themselves as well as those of our radios. While stations have changed somewhat and the master antenna is higher, we can now drive in this area and say, "Ho, hum. What's the problem here?"

More from Cornell: **The Final Chapter of the Windshield Antenna:** It's hard to tell who from GM/Delco might have defended the windshield antenna [at the NAB in Chicago in the late '60s or early '70s]. The story that was floated around the NAB was that it

was a dipole which "everyone knows" has a figure 8 coverage pattern. But, they didn't know how it was wired. Those two wires up the center of the glass were shorted together at the bottom which made it far from what was described.

The man behind the idea was Ed Cole, head of Chevrolet, and I never heard his rationale. One of the worst aspects of antennas is that they are as much a mechanical device as an electrical one, and that is especially true of an AM/FM car mast. You are much more likely to get mechanical engineers involved in their design than electrical, and that presents a big problem. When designing one, which do you favor, Form or Function? In my opinion, the most satisfactory vehicle and other designs favor both.

Yes, it is true that initial appearance is a factor in buying something. But it, as a consideration, soon fades in importance as one lives with the device, especially if form won out over performance. I also think that customers are likely to be madder if something looks especially nice and then works miserably.

Never did I hear a customer say anything about a visible antenna, but I sure did hear them complain about cars with "no antennas" (i.e., invisible ones). It's clear that performance was important to them. As far as the vandalism issue is concerned, my boss at the time had the perfect solution. Make the antenna simple and cheap to replace. Design them to use a mast that could be readily replaced at the local K-Mart for \$1.98. More than once, I heard him suggest that someone needed to get a Ford whip antenna and tie a string to it. Then, it should be hung over the draftsman's table and copied. There was no need to improve on something that already worked well, and I certainly could not argue with him. (This was not the chief engineer.)

What was the downfall of the windshield antenna? I think I've hinted at it already. It was handed over to mechanical engineers and draftsmen, and they were told to copy it as it was. No electrical engineers were kept in charge to verify their performance, and what do you suppose happened?

Along the way, there was a downsizing of vehicles, but the same design was maintained. There was no one minding the store (checking performance), and it naturally deteriorated. The fact is, the opening in which the windshield glass is located, has some electrical resonances, and the smaller vehicles caused them to rise in frequency. The fact is, they got close or were in the FM Band. Also, I don't recall there was much effort at understanding how different vehicle designs really required different antenna configurations. I recall it basically as "one size fits all."

My boss (same one who suggested the whip on a string) was very frustrated by the reactive antenna impedances we were

measuring and did some experiments one day at the GM Proving Ground. They had a vehicle with an unlaminated glass which allowed easy modification of the windshield antenna pattern which was located in the middle of the glass "sandwich." It was also not fastened down to the vehicle and could be raised out of the opening.

It turned out that almost nothing which was done to the wire pattern seemed to have much effect on the impedance presented to the radio at the far end of the short coax cable, and my boss happened to have the glass tilted up out of the opening. Suddenly, the impedances shifted and behaved more normally across the FM Band. What was happening was that the antenna was really a means of coupling to the opening, the resonance of which was dominating the antenna impedance. A soon as he understood that fact, he started work on a completely different approach which we later tested and compared to some whips. We found them quite close, something we could not say about the existing designs.

Another factor entered into the decision to drop the windshield antenna. Under this same boss's direction, we developed a means of measuring the polar pattern of car antennas, something we never had before. Now, we could express in numbers how bad some of them were, and no one could argue about their performance. Also, I think the din of complaints finally reached the point that no one could ignore them. If you ever had to deal with car radio system reception complaints, you would better understand what I mean. They are often so diffuse and poorly stated that you have virtually no idea what is the issue. This is, to a large extent, caused by the inability of the typical customer to articulate exactly their problem, and this is exacerbated by the typical repair and fault reporting system. One would think though, that "Won't pick up my favorite stations" doesn't leave much to the imagination.

The windshield antenna gradually degraded in performance because no one was minding the store. After sending you my letter, the following occurred to me. I have no idea if this appears anywhere else, but it does reflect my philosophy: "If one fails to seek perfection and instead accepts compromise, the chances of mediocrity increase with each decision." You can express this mathematically as: $1 \times 1 \times 1 \times 1 = 1$ or $0.9 \times 0.8 \times 0.95 \times 0.7 = 0.479$. Maybe those broadcasters are building stations on the cheap, but it would be interesting to hear what their reasoning might be. When a signal is reflected, the polarization can be shifted considerably. This is an inherent feature of multipath. The thing you must be concerned about is cross-polarization. A horizontal transmitting antenna and a vertical receiving antenna, for example, are

cross-polarized, and there will be considerable signal loss as a result. My impression is that it can be as much as 20 dB which is generally not negligible in a radio system. Each polarization has an equal and opposite polarization where this will happen, and I gave only the simplest case.

An engineer retired from my company came to the conclusion that the more polarizations a receiving antenna exhibits at different angles from it, the greater the chances of a cross-polarization situation. He felt this was one explanation for why whip antennas seem to outperform other types. They aren't perfect, of course, unless you mount them in the center of a large vehicle roof. Then they become predominantly vertically polarized and also quite omnidirectional. Unfortunately, not many people want their antennas in such a location.

There was another factor that would have made windshield antennas very undesirable today. They are located very close to the dashboard, and most of those today contain all kinds of electronic devices that emit signals. Now, if there were perfection and these devices were properly suppressed, this proximity would cause no problem. What do you suppose are the chances of that?

There is more detail I can provide, some technical and some not. Even though my boss came up with a fine contender to replace the windshield antenna, it already had such a bad reputation that no one was interested.

The idea of mixed FM transmitting polarization was entirely that of the broadcasters and antenna designers. We talked on this subject to a major antenna manufacturer (ERI). As the popularity of FM in cars increased, broadcasters got to thinking about the need for them to have vertical antennas to reach the usual vertical car mast and this growing group of listeners. Some of the larger stations then added these antennas and also went to the FCC to get permission to transmit an equal power in vertical and horizontal plane. Obviously, they did not want to cut their horizontal power in half and suffer loss of coverage to home receivers.

This added to the complexity of transmitting systems. I think they may have used two transmitters and separate antennas at first, and that was costly. The benefits of circular polarization were thought about, but, since no one made a circularly polarized receiving antenna, it really served no benefit in reducing multipath. Instead, the object was to make a combined horizontal and vertically polarized antenna with a common feed point which required one transmitter. The antenna was more costly, but the transmitter price went down. There was no attempt made to create circular polarization.

The objective was a good polar pattern for both horizontal and vertical receiving antennas, never mind what the phase angle was between them. Only certain classes of dual polarization antennas even came close to pure circular polarization anyway, and it was only at certain angles from them. The best in this respect are the panel antennas, and you must be perpendicular to one of the panels. Elsewhere, circularity suffers. The worst category of all are the side mounted antennas placed on the face or edge of towers below the usual TV antenna on the top. These show highly variable polarization as well as very non-circular polar patterns (non-equal coverage in all directions).

According to some articles I've read from Europe, there is the belief over there and some measurements to back it up that mixed polarization aggravates multipath distortion in mountainous areas. Maybe some broadcasters here [such as shown above under "New" and "Facilities" in UT and WY—b.e.] have done some experiments that show this to be true or are simply benefiting from the experience of their European colleagues. I had not noticed that development and have not talked to any broadcasters in that area. As most high-power antennas available here in the US are dual-polarization, I wonder where they got their antennas?

These are very interesting subjects to me. I'd very much like to know what broadcasters think of the current crop of hidden antennas. Quite a few new cars have no visible antenna unless you know where to look in one of the pieces of glass. Most are in the back window, but some SUVs have them in the rear side windows. Whose idea was this, and do they work as well as mast antennas? Mainly, I suspect it was the stylists who made the choice. Do they know anything about antennas? That should be a clue to answering both questions, Tom.

Also retiring: Ward Childerson, 70, manager of WCRH *90.5 Williamsport MD since 1986. He started KGBI *100.7 Omaha NE in 1966. Childerson is enthusiastic about the opportunity radio broadcasting offers, but he remains humble and attributes his success in broadcasting to God's blessing on his life, according to *NRB* magazine. "My purpose is to live the rest of my life for the will of God—that's where I am—to be available for whatever I have no idea, but He'll give me the health, strength, energy and ability for whatever He has in store."

Thanks for all the cards, letters and e-mails regarding my turning 70. Comments came from far and near, one of whom said he had been a reader of my *FM Atlas* since 1973, when I was 37. I was glad to have received cards of support from broadcasters as well as "enlightened media consumers."

Until June,
Bruce F. Elving

Lightened Media Consumer

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New FM Stations, Translators, Low Power FM Stations Granted

Translators have less than 100 watts unless shown otherwise; technical parameters for most LPFM stations are not announced, but can be up to 100 watts at 30 meters above average terrain (horizontal, vertical or both h & v)

AK Delta Junction 93.5 25000 h,v; 61 m, Radio Layne, Auction 37 winner. [Communications

AK Kaslof 106.9 8000 h,v; 62 m, Kaslof/

CA Hollywood KJLH-1 102.3 5 watts h, d-a, with 100% power 0°, booster of Compton station.

CA Malibu Vista (SE Thousand Oaks, half way to the ocean) KMLT-1 92.7 38 watts h,v; d-a, 100% power 0°, booster of Thousand Oaks station.

CA Santa Barbara K DAR-1 98.3 550 h, d-a, with 100% power 0°, booster of Oxnard station.

CO Montrose *100.9 Calvary Chapel of Montrose, LPFM

CO Pueblo KPHT-1 95.5 11000 v, d-a, with 100% power 142°, booster of Rocky Ford station.

CO Rye KRY1 *89.7 9800 h,v; 207 m, d-a, with 18% power 0°, Harvest Radio Corp.

CO Steamboat Springs K201HP *88.1 (KUNC 91.5 Greeley), 230 h,v. Had operated as K203BQ 88.5. [the Assemblies of God, LPFM

FL Auburndale *96.1 Southeastern College of/ FL Bartow *96.1 Ridge Area Radio Support Group, Inc., LPFM [Jerusalem, Inc., LPFM

FL East Tampa *96.5 Iglesia Cristiana la Nueva/

FL Florida City *104.3 Everglades Community Assn., Inc.; *104.3 The Binnacle Society, LPFMs to share time. Dismissed was the application by Radio Regocio, Inc.

FL Gainesville *94.7 Calvary Chapel of Gainesville, Civic Media Center & Library, Inc., Faith Presbyterian Church. These three LPFMs to share time. Dismissed was the University of Florida Student Government's application.

FL Gibsonton *96.5 Calvary Chapel of Brandon, LPFM. To share time with East Tampa. Dismissed were applications by Florida Force, Inc., Gibsonton, La Metropole Project of Tampa.

FL The Villages (just NW Lady Lake) *103.3 The Villages Chamber of Commerce, LPFM. Dismissed was First Christian Church Remanente Fiel's application in Santos FL.

IL Bloomington *94.9 Black Business Alliance, Inc., LPFM. Dismissed was Heartland Community College's application.

IL Springfield *95.9 Abundant Family Life Center *95.9 First Assembly of God [to share time.

*95.9 Insight Ministries, Inc. These three LPFMs/

IA Des Moines *94.1 Drake University, *94.1 Grand View College, LPFMs to share time. Dismissed were Hope Radio, Torchlight Foundation, United Community Broadcasting of Des Moines and Johnston Evangelical Free Church, Johnston IA. LA Baton Rouge *105.5 GSRI Property Owners Assn., and Jefferson Baptist Church, LPFMs to share time. Dismissed was Ethics, Incorporated's application.

MA Greenfield *107.9 Greenfield Community Television; *107.9 Living Waters Assembly of God, LPFMs to share time. Dismissed was West County Community Radio's application.

MA Springfield *99.7 Citylight Ministry Center, LPFM. Dismissed Assembleia de Deus de Springfield, et. al. applications.

MN Rochester *98.9 New Life Worship Center, LPFM. Dismissed was Divine Mercy Communications' application.

MT Billings *100.9 Billings Seventh-day Adventist Church, LPFM. FCC dismissed Sacred Heart Educational Association's application.

NE Scottsbluff *89.1 100000 h,v; 76 m, Broadcasting for the Challenged, Inc., from a site SW Mitchell NE.

NY New York WZAA-1 92.7 3 watts h,v; transmitter west of Central Park. This is a booster of a Garden City NY station.

NC Wilson *106.9 Miracle Christian International Life Center, LPFM. Dismissed was Kingsmill Ministries, Incorporated's application.

OR Gleneden Beach *88.5 100 watts h,v; 20 m, KBPS Public Broadcasting in a settlement agreement.

*89.3 210 h,v; 22 m, OR Public Broadcasting, in a settlement agreement. This station might operate in addition to OPB's K219FJ *91.7 there.

OR Junction City KPIJ *88.5 630 h,v; 705 m, d-a, with 18% power 330°, CSN, in a settlement agreement. This station's coverage will be just to the northwest of Eugene, and probably no problem to CSN's K203BT *88.5 Eugene.

OR Newport *88.9 35 watts h,v; 274 m, Family Stations, Inc., in a settlement agreement.

OR Woodburn *96.3 Centro de Servicios Para Campesinos, Inc.; *96.3 Pineros Y Campesinos, Inc., LPFMs to share time. Dismissed: Iglesia de Cristo Miel de Oregon City at Oregon City OR.

PA Holidaysburg *88.1 450 v, 416 m, Friends of Radio Maria, Inc.

PA Johnstown *103.5 Greater Johnstown High School, LPFM. Dismissed was Johnstown Educational Association's application.

PA Nanticoke *94.5 St. John's Evangelical Lutheran Church, LPFM. Dismissed People of God Educational Association's application.

PA State College KUBZ-1 105.9 100 h,v; booster of Phillipsburg station.

SD Rapid City KLMP-1 97.9 3900 h,v; d-a, with 100% power 235°, booster of Rapid City station. KLMP also has a translator there, K289AI 105.7.

KSLT-1 107.3 3900 h,v; d-a, with 100% power 235°, booster of Spearfish station. K300AX 107.9 also relays KSLT. KFMH 101.9 Belle Fourche SD files for a booster on 101.9 there.

TX Corpus Christi *107.9 Templo Elim, LPFM. Dismissed was Our Lady of the Most High Trinity application for Robstown TX.

UT Park City KTPM-1 97.5 3000 h,v; d-a, with 100% power 30, 180°, booster of Coalville station. [100% power 320°

UT Provo KTPM-3 97.5 600 h,v; d-a, with/

UT Salt Lake City KYFO-1 *95.5 7 watts v, d-a, with 100% power 200°. Booster of Ogden station.

UT St. George K212FL *90.3 (KUER 90.1 Salt Lake City translator), h,v. Had operated as K213AM 90.5.

UT Salt Lake City KTPM-2 97.5 [power 130°

UT Sandy KTPM-2 97.5 1000 h,v; d-a, with 100%/ VA Vinton W247AD 97.3 (WBWR 106.9 Bedford VA), h

WV Bunker Hill WVEP-1 *88.9 490 h,v; d-a, with 100% power 70°, booster of Martinsburg station.

WV South Charleston WPDD *89.3 300 watts h,v; 161 m, Broadcasting for the Challenged in a settlement agreement.

WI La Crosse *101.5 School District of La Crosse, LPFM. Dismissed were applications by La Crosse Community Broadcasting and Our Lady of Lourdes. And Ray Knudson's translator, K222AG 92.3, renewed. It's the relay of KNXR 97.5 Rochester MN he tried to sell.

WI Menomonie *105.3 Menomonie Christian Radio, LPFM, expected to carry 3ABN Radio. Dismissed Stone Ridge Mission's application for a 105.3 station in Knapp WI. [Sheridan station.

WY Buffalo KYTI-1 93.7 250 h,v; booster of/ KZWY-1 94.9 250 h,v; booster of Sheridan station WY Moorcroft 93.5 6000 h,v; 90 m, Family Voice Communications, Inc., Auction 37 winner.

PR Juana Diaz WCMA-FM1 96.5 2300 v, d-a, with 100% power 100°. Booster of Fajardo station.

BC Hornby Island (49-32-06; 124-40-04, or NNE of Port Alibem) CHFR 91.5 5 watts h, 80 m, community station with mostly English, but 5 hours of French a week, Hornby Com'ty Radio Society.

BC Port Alibem CJAV 93.3 (moving from AM) 6000 h, 2600 v, -219 m, \$, Island Radio Ltd., to play "a broad mix of contemporary music from the past and present."

BC Salmon Arm CKXR (moving from AM), 400 h, 741 m, d-a, \$, adult contemporary music.

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BC Sparwood CJDR-1 93.5 24 watts h, -140 m, \$, relay of 99.1 Fernie.
 MB Ginew (49-08-00; 97-14-25, on the river) CKOP 100.5 50 watts v, 9 m, Roseau River Anishinabe First Nation. [\$, moving from AM.
 ON Cobourg CHUC 107.9 1030 h,v; 203 m, d-a./
 ON Cornwall CHRI-1 88.1 50 watts v, 32 m, \$, relay of 99.1 Ottawa
 ON Oshawa CKDO-1 107.7 250 h,v; 70 m, with CKMB Barrie to find a frequency other than 107.7. Owned with CKDO 1350 AM.
 ON Port Elgin 97.9 (but must find a new frequency) CFPS 97.9 3800 h,v; 135 m, d-a, relay of Kin-cardine 95.5, which still has no calls assigned.
 PQ Forestville CHME-3 99.7 8 watts h only, 38 m, d-a, \$, relay of 94.9 Les Escoumins.
 PQ Montreal CKGP-1 89.9 (1 watt v, 12 m), CKGP 100.1 50 watts v, 12 m), temporary stations to be on June 10-12, 2005, for Grand Prix auto racing. Not to be in the *FM Atlas*. [381 m, d-a
 PQ Ste-Anne-des-Monts CBGA-7 *101.1 50000 h/
 SK La Ronge CKBI-FM 905.9 31 watts v, 12 m, d-a, \$, relay of CKBI AM. [Prince Albert
 CHAX-2 98.3 31 v, 12 m, d-a, relay of 101.5/
 SK Yorkton CBK-FM3 *91.7 57000 h, 25000 v, 118 m, \$, relay of 96.9 Regina.

Call Letters Assigned or Changed

AL Northport *88.1 WSJL
 AK Galena *92.9 KXES-LP
 AZ Dewey-Humboldt (move from Flagstaff) 97.5 KZLB (from KVNA-FM). Silent while the move takes place; to be 42000 h,v; 849 m.
 AZ Flagstaff 100.1 KVNA-FM (KLOD), m, "Sunny"
 AZ Payson 99.3 KSXX
 AZ Phoenix 98.7 KPXX (KKLT), "98-7 The Peak"
 AZ Scottsdale *106.7 KWSS-LP
 AZ Vail 98.5 KRDX (KZNO)
 AR Melbourne *90.3 KAEN
 CA Chico *107.1 KQIP-LP
 CA Corcoran 102.3 KBLO (KXQX)
 CA East Sonora *89.5 KARQ (KEKL), to 1300 v, 507 m (d-a), "Air 1"
 CA Inyokern *88.7 KZLU
 CA Redwood Valley *88.7 KAIS
 CA Tehachapi *88.7 KYLU
 CO Denver 95.7 KMGG (KFMD), "Mega 95.7"
 CO Rye *90.9 KXWY, facilities to 11300 h,v; 35 m, no d-a.
 FL Fort Pierce *105.9 WBOF-LP
 FL Gainesville *107.7 WPZM-LP
 GA Bowdon 105.3 WBZY (WLCL), pr. alternative rock, "105-3 The Buzz"
 GA Helen 105.1 WHEL (WVWA), "Viva 105.7." It IDs this way, along with Canton GA 105.7.
 GA Peachtree City 96.7 WVWA (WBZY-FM), S, I, "Viva 105.7," parallel to WVWA-FM 105.7 Canton GA. The three stations ID together.
 HI Hanapepe 94.3 KEEI
 IL Atlanta 96.3 WLCN (WMMW), "Lincoln Country"
 IL Urbana 92.5 WCFF (WKIO), r, adult hits, "92.5 The Chief"
 KY Cumberland 102.7 WVEK-FM (WSEH). Not to move to Weber City VA.
 KY Louisville *92.7 WXBH-LP
 KY Monticello *104.5 WXYR-LP

No Jocks: A New FM Trend?

LA New Orleans 99.5 WRNO-FM (KKND), to 306 m (100000 h,v), CO [End.
 LA Port Sulphur 106.7 KKND (WRNO-FM), "The MA Brewster *94.3 WZAJ
 MI Muskegon 106.9 WMUS (from WMUS-FM)
 MI Three Oaks *100.7 WRHC-LP
 MN St. Louis Park 104.1 KZJK (WXPT), "Jack FM"
 MO Arcadia 103.9 KTNX
 MO Naylor 99.9 KZMA
 MT Florence 103.3 KDTR [Corrales NM)
 MT Missoula 105.9 KKNS-FM (AM is in)
 MT Stevensville 104.5 KKVU
 MT Whitefish 105.1 KWOL-FM
 MT Whitehall *89.7 KAIB
 NV Mesquite *88.5 KEKL (KAIZ), "K Love" *91.1 KAIZ (KARQ), "Air 1" [in Corning.
 NY Big Flats 97.7 WCBA-FM (WGMM); AM is/ NY Corning 98.7 WGMM-FM (WCBA-FM)
 NY Oneonta *104.7 WUOW-LP
 NC Candler *103.9 WGNW-LP
 NC Greensboro 98.7 WSMW (WOZN)
 OH Hicksville-Fort Wayne IN 106.7 WFGA (WFJZ)
 OH Zanesville *98.9 WTLL-LP
 OR Rainier 98.3 KJNI
 PA Gap *92.9 WOBLS-LP (WGBQ-LP)
 PA Philadelphia 95.7 WBEN-FM (WMWX), "95.7 Ben FM." AM is in Buffalo NY.
 PA Portage 105.7 WLKJ (WUZI) [(WUZY)
 PA Somerset 97.7 WLKH/
 TN La Follette *101.7 WGNL-LP
 TN Loudon 99.1 WNML-FM (WNOX-FM); AM is in Knoxville. "The Sports Animal 99."
 TN Murfreesboro 96.3 WCJK (WMAK-FM), r, "96.3 Jack FM," with no jocks, which might indicate a trend. [monophonic.
 TN Oak Ridge 100.3 WNOX (WOKI), nt/
 TN Oliver Springs 98.7 WOKI (WYIL-FM)
 TN Somerville *107.9 WQFR-LP
 TX Beaumont 97.5 KFNC (KIOL), t, monophonic, "News Channel 97.5"
 TX Big Spring *89.3 KPBD
 TX Gonzales *88.1 KITG
 TX Kiileen *104.7 KHSP-LP
 TX La Porte 103.7 KIOL (KUST), r, "Rock 103.7"
 TX Mertzton *91.9 KMEQ
 TX Midland *90.1 KPBJ
 TX San Angelo 100.1 KCLL (KYZZ), o, "Kool 100"
 TX South Padre Island *102.3 KCCP-LP
 TX Wichita Falls *100.5 K263AK (not K263AL, which is 100.5 Madison MN).
 VA West Point 107.9 WTYD (WVBR)
 WA East Wenatchee *88.1 KTRJ
 WA Seattle 96.5 KJAQ (KRQI) 96.5, to 696 m (49000 h,v + beam tilt). Seeks 52000 h,v (696 m) at West Tiger Mountain, leaving Seattle's other main FM site, Cougar Mountain. [h,v
 WI Sturgeon Bay 103.3 W277BP (from W277BQ)/
 WI Waunakee 105.1 WCHY (WBZU), "Charlie". Still r, adult hits.
 WY Guernsey 104.1 KANT
 WY Laramie *88.9 KAMW; 98.7 KHHH
 WY Rock River 95.9 KVAN
 WY Sheridan *88.1 KPRQ
 AB Whitecourt 105.3 CIXM
 BC Abbotsford 107.1 CKQC (CFSR)



June, 2005

BC Hope 100.5 CFSR (CKSR-FM1)
 NB Moncton 91.9 CKNI
 NS Halifax 95.7 CJNI, 65000 (h only, 224 m)
 ON Sechelt (Gibsons) 91.7 (moving from 93.1) CKAY, 11300 h,v; 760 m, d-a, \$, "pop adult" music of the '60s, '70s and '80s, Westwave Broadcasting.
 SK Wainwright *101.5 CBK-FM2
Facilities' Changes Granted
 AL Mobile WKSJ 94.9 98400 h,v + beam tilt; 521 m
 AR Forrest City K269FJ *101.7 (from K270AZ 101.9), v
 AR Hope K220IW *91.9 (from K217ET 91.3), 170 h,v
 CA Barstow K220IY *91.3 1600 h,v; 6190 m, no d-a
 CA Bellvue K222BI *92.3 (from K221EE 92.1), v
 CA Camarillo KMRO-1 *90.3 220 h,v (d-a, 100% power 0°).
 CA El Cerrito KECG *88.1 17 watts h,v; -29 m
 CA Fowler KEZL 96.7 25000 h,v; 100 m, no d-a
 CA Kettleman City (new) *89.9 50000 v, 77 m (d-a), B
 CA Palmdale K211EY *90.1 (from K209CO 89.7), h,v
 CA Redding K227AE *93.3 250 h,v (adds h)
 CA Ridgecrest KWTD *91.9 7000 h,v; 390 m
 CO Carbonale K235AN 94.9 to h
 CO Holyoke K203EK *88.5 (from K257DX 99.3), 250 v; K21BDY *91.5 (from K217DC 91.3), 170 v
 CO Hotchkiss K252AM *98.3 v (from h) [h,v
 CO Lafayette K220IY *91.9 (from K221EQ 92.1), 120/
 CO Redstone K278BD 103.5 (from K280DP 103.9), h
 CO Telluride KOTO *91.7 8900 h,v; -68 m [watts)
 FL Aurora W298AM *107.5 to h,v (less than 100/
 FL De Funiak Springs WAKJ *91.3 1200 h,v; 69 m
 FL Ebro WVBC 95.1 100 m (25000 h,v)
 FL Key West WAVQ *88.3 180 watts h,v; 34 m
 FL Madison WAPB *91.7 68 m (200 watts h,v)
 FL Plantation Key WCTH 100.3 141 m (100000 h,v)
 FL St. Augustine W205CD *88.9 (from W258BF 99.5), h,v [no d-a (directional antenna), C3
 FL St. Marks WUJC *91.1 7000 v (from h,v), 95 m/
 FL Sarasota WCTQ 106.5 removes d-a
 GA Doraville (move from Athens) WBTS 95.5. Facilities unchanged at 74000 h,v; 340 m.
 GA McRae W201DB *88.1 (from W254BC 98.7), h,v
 GA Tallapoosa W280BE *89.5 (from W261AS 100.1), h,v [h,v. Adds v(ertical polarization).
 HI Haleiwa K203EL *88.5 (from K204BB 88.7), 250/
 HI Hilo KK BG 97.9 51000 h,v; -20 m, C1 (removes d-a [directional antenna]).
 ID Sandpoint KPND 95.3 56000 h,v; 764 m, Class C
 ID Orofino KZID 98.5 8000 h,v; 191 m, C2
 IL Champaign WBGL *91.7 140 m (20000 h,v)
 IL Farmer City WWHP 98.3 2850 h,v; 147 m, d-a, with 70% power 120-160° [power 350-0°.
 IL Galva WJRE 102.5 6000 h,v; 89 m, d-a, with 47%/
 IA Dubuque K244EC *96.7 (from K243AQ 96.5), 120 v
 KLYV 105.3 106 m (50000 h,v)
 IA New Hampton K245AL *96.9 250 v (from h,v)
 IA Spencer K220HY *91.9 250 h,v (from 120 h,v)
 IA Storm Lake K202DW *88.3 (from K256BD 99.1), 170 v
 KS Chanute KKOY-FM 105.5 8000 h,v; 178 m, C3
 KS Shawnee (move from Topeka) KMAJ-FM 107.7 90000 h,v; 299 m
 KS Sterling KGGG 94.7 50000 h,v; 148 m, C2
 KY Auburn WAYD *88.1 1000 h,v; 113 m (no d-a), A
 LA Bunkie KEZP 104.3 19200 h,v; 114 m

ME Elsworth W221BO *92.1 with WHMX 105.7 Lincoln ME (from WRMO 93.7 Milbridge ME), h,v. Now noncommercial.
 ME Freeport W252BT *98.3 120 h,v
 ME Winslow WWWW *95.3 12000 h,v (205 m), C2
 MD Cumberland W260BO 99.9 (from W263AJ 100.5), h,v
 MD Easton W261AU 100.1 100 watts h,v
 MD Westport WWPN 101.1 640 h,v; 297 m, d-a, with 70% power 100-120°
 MA Yarmouth WYAR *88.3 1000 h (24 m)
 MI Clare WCFX 95.3 99 m (6000 h,v)
 MN Glencoe K286AU *105.1 250 v (from h,v)
 MN Hibbing KADU *90.1 2200 h, 22000 v, 113 m, C3
 MS Forest WSQH *91.7 15000 h,v; 145 m, d-a, with 29% power 180°, C2 [with 40% power 320°]
 MO Mansfield KTRI 95.9 8900 h,v; 165 m, d-a./
 MO Maryville K219KS *91.7 (from K273AQ 102.5), 250 v [with 37% power 270-290°]
 MO Ottaville KCVK *107.7 2500 h,v (152 m), d-a./
 MO St. Robert KFLW 98.9 6700 h,v; 191 m
 MT Miles City KKRY 92.3 (from 92.5) 300 m (100000 h,v), C0
 MT Park City KBIL *89.7 1500 v (from h,v), 66 m, A
 MT Polson K266BA *101.1 (from K212DV 90.3), v
 NV Ely KCLS 101.7 1000 h,v; 256 m, C3 [240 h,v]
 NH Manchester W231BR 94.1 to 100 watts h,v (from/
 NJ Freehold Township WRDR *89.7 7 watts h, 11500 v, 58 m, da, with 29% power 300° [74% power 230°
 NJ Pennsauken WRNB 107.9 780 h,v; 276 m, d-a./
 NM Milan KXXQ *100.7 to noncommercial (\$), owned by IHR Educational Broadcasting.
 NY Binghamton WLCN-LP *94.3 (from 95.7), with no share-time operation with nearby Sanitaria Springs *95.7.
 NY New York WFUV *90.7 45800 h,v plus beam tilt 155 m, d-a, with 22% power 260°, 100% 0°.
 NY Ogdensburg WPAC 98.7 6000 h,v; 100 m, d-a, with 59% power 310-320°
 NC Calabash WYNA 104.9 15000 h,v; 103 m, C3
 NC La Grange (moving from Rose Hill) WZUP 104.7 18200 h,v; 76 m [m, d-a, with 55% power 40°
 NC Lockwoods Folly Town *88.1 (new) 2900 v, 95/
 NC Mars Hill WYQS *90.5 430 h,v; 392 m, d-a, with 18% power 210-220°
 NC Rocky Mount WRQM *90.9 7500 h,v (191 m), C2
 ND Grand Forks KUND *89.3 50000 h,v; 89 m
 ND Jamestown KXGT 95.5 197 m (100000 h,v)
 ND Valley City KQDJ-FM 101.1 100000 h,v; 197 m, C1, with transmitter closer to Jamestown.
 OH Ashtabula WYBL 98.3 5300 h,v; 105 m (d-a)
 OH Caledonia (move from Upper Sandusky) WYNT 95.9 4600 h,v; 114 m
 OH Georgetown WAXZ 97.7 5100 h,v; 107 m
 OH Oxford WOXY 97.7 1200 h,v; 206 m
 OH University Heights WJCU *88.7 2500 h,v; 104 5m, d-a, with 60% power 180°
 OK Carnegie KJCC *89.5 350 v (loses h), 52 m (d-a)
 OK Elk City K202AG *88.3 h,v (from h)
 OK Lawton K264AJ *100.7 120 h,v (from 210 h,v)
 OK Oklahoma City KRXO 107.7 99000 h,v + beam tilt 451 m
 OK Owasso K234AK 94.7, v (KTFX-FM 101.7 Warner OK translator). Correcting the record to show that it is not on 94.9, and no longer in Collinsville OK.
 OR Baker City KDJC *88.1 100 watts h,v; 361 m
 OR Bend KVLB *90.5 1500 h,v (172 m)
 OR Klamath Falls KAGO-FM 99.5 60000 h,v; 112 m

OR La Pine KKLP *90.1 (from 90.3) 2500 v (from h,v), 40 m [274 m, d-a, with 50% power 30°, C1.
 OR Milton-Freewater KHTO 97.9 100000 h,v./
 OR Nedonna Beach K291BI *106.1 (from K289AC 105.7), h,v
 OR Pine Grove KPFR *89.5 7000 v, 510 m (d-a)
 OR Portland K224DL *92.7 (from K225AI 92.9), h,v. See also "Deletions," below.
 KINK 101.9 96000 h,v + beam tilt; 502 m
 OR Wheeler K205EU *88.9 (from K208BA 89.5), h
 PA Lewisburg W263BN *100.5 (from W207BT 89.3; before that it was W261CA 100.1 [not 91.1, as shown last month p. 3, col. 1]), 250 h,v
 PA Mansfield WNTT *89.5 -85 m (120 watts h,v)
 PA Pittsburgh WLTJ 92.9 43000 h,v; 260 m
 SC Cayce WYFV *88.5 (from 88.7) 50000 h,v; 52 m, d-a, with 30% power 250-260°, C2
 WLTJ 96.7 9000 h,v; 132 m (d-a) [250 v
 SD Redfield K208ER *89.5 (from K262BQ 100.3)/
 SD Sisseton K233AZ *94.5 150 watts v
 TN Cleveland WALV 95.3 1050 h,v; 239 m, no d-a
 TN Jackson WKNP *90.1 18000 h,v; 156 m
 TN McKinnon WTPR-FM 101.7 (from 101.5) 1800 h,v; 185 m
 TX Beaumont KQKQ 107.9 90000 h,v; 596 m
 TX Borger K201AY *88.1 h,v (adding v[ertical])
 TX Paris K211DS *90.1 to v (from h,v) [h,v
 TX Perryton K220IZ *91.9 (from K222AP 92.3), 100/
 TX Port Arthur KTJM 98.5 596 m (100000 h,v)
 TX Reno K201FX *88.1 to v (from h,v)
 UT Elsinore (move from Richfield) KLGJL 97.7 (from 97.5) 41000 h,v; 879 m
 UT Nephi KLGJL-1 97.7 (from 97.5), 500 watts h,v
 UT St. George K210DU *89.9 (from K209AO 89.7), h,v
 KSNM 106.1 (from 93.5). See also "Deletions."
 VA Lexington WLUR *91.5 -51 m (180 watts h,v)
 VA Midlothian W276BZ *103.1 (from W275AU 102.9), h,v
 VA Powhatan WBBT-FM 107.3 3800 h,v; 127 m
 WA Pullman KFFR 97.7 1000 h,v; 245 m, d-a, with 71% power 210° [101.5], h,v
 WI Black River Falls W214BS *90.7 (from W268AU/
 WI Waukesha WMIL-FM 106.1 12000 h,v; 304 m
 WY Laramie K231BL *94.1 (from K285BC 104.9), h,v
 AB Edmonton CHDI 102.9 100000 h, 24000 v, 272 m, no d-a (directional antenna)
 CJRY 105.9 h only (100000 watts, 193 m)
 BC Burnaby CJSF *90.1 no d-a
 BC Kamloops CIFM 98.3 119 m (4300 h,v)
 BC Vancouver CJJR 93.7 36000 h,v (886 m, d-a)
 MB Winnipeg CHIQ 94.3 111 m (100000 h,v)
 NB Moncton CKOE 10-7.3 37 m (50 watts v) [m
 NF Grand Falls CKXG 102.3 24000 h (from h,v), 200/
 NF Stephenville CKXX-1 95.9 (from 95.3) 230 h,v; 103 m
 ON Alymer CHPD 105.9 (from 107.7), 250 h, 42 m
 ON Cobourg CKSG 93.3 203 m (2100 h,v; d-a)
 ON Dryden CKDR 92.7 15800 v (36800 h), 102 m, \$
 ON Kenora CJRL 89.5 31200 h, 13300 v, d-a (105 m)
 ON Lindsay CKLY 91.9 5270 h,v; 131 m (d-a)
 ON Little Current CFRM *101.1 80 m (5 watts v)
 ON Pembroke CHRI-2 (calls announced) 100.7 (from 88.1), 22 watts h,v; 59 m, relay of Ottawa 98.1.
 ON Thunder Bay CKTG 105.3 200 m (100000 h)
 ON Toronto CKRG *89.9 1 watt v, 2 m
 ON Wingham CIBU 94.5 26800, 217 m (h only, d-a).
 Format to op, classic rock, "94.5 The Bull."

PQ Kangiqsualujjuaq VF2443 94.1 42 m (19 v, d-a)
 PQ Nemiscau CFNM 99.9 (from 95.7)
 PQ Rimouski CIKI 98.7 76000 h,v; 435 m (d-a)
 PQ Salluit VF2443 94.1 49 m (19 v, d-a)
 PQ Shawinigan 91.1 (from 91.9) CFUT (calls announced), 5 watts v only, 27 m, \$(tereo)
 SK Swift Current CHSK *95.7 160 m (4700 h)
 BN Tecate (move from Ensenada 92.1) XHBCE 105.7, 50000 h,v; 150 m, d-a with 3% power 20-60°, 150-200°, 100% power 290°, \$, "Stereo Sol". It was to have moved to a site at Matamoros Jaramillo, 32-26-50; 116-43-55, 18 km SW Tecate, but an airplane fly-over showed no construction there. Instead, it appears to have built on a peak, Cerro Bola, 29 km SSW Tecate, and is seeking C1 facilities. In moving, it was to have provided directional antenna service to Ensenada, but there's no evidence it has done that. It's the site used by XHATE 95.3 Tecate. Three U.S. stations have complained of interference: KIOZ 105.3 San Diego, KXRS 105.7 Hemet, and KPWR 105.9 Los Angeles. KXRS commissioned the fly-over, but this is disputed by San Diego area broadcaster John Lynch, who also commissioned a fly-over, which supposedly found XHBCE to be in compliance. Now it's up to the FCC, hopefully with the Mexico government help, to sort out the problem.

Stereo—Or to be Stereo

ID Twin Falls KSNQ 98.3
 MA Northampton WXXJ-LP *103.3
 MO Bismarck KHCR 99.5, southern gospel, "99.5 The Light." It's co-owned with KHZR 97.7 Potosi and KPVR 94.1 Bowling Green MO.
 NM Las Vegas KNPR *88.9, stereo used for themes and other features.
 WI Red Cliff WRZC-LP *92.3 ek, plus blues, rock and "everything else."

Monophonic

CT Somers WDJW *89.7, r, parallel to WWUH 91.3 West Hartford, then doing student programming during the day. Fully monophonic. Back on the air, but reason for the program relay is unknown. "WWUH is plenty strong in Somers."

Format Changes

Formats are the same as in the FM Atlas.
 AZ Sun City West KFMR 95.1 S, I, "Club 95 Latino Vibe" [Heaven 107] positioner.
 AR Dumas KXFE 106.9 k. Was silent. No/
 CA Laytonville KVFR *88.5 to Radio Bilingue, Inc. from Family Stations, Inc. Format to S, I, from KSJV 91.5 Fresno.
 CA Lompoc KWSZ 105.1 r, adult hits, "105.1 Mike FM" (from "Good Time Oldies")
 CA Santa Barbara KRUZ 97.5 m [Vibe.]
 KVYB 103.3 S, sr, "hip-hop and more." Now "The/ CA Goleta KMGQ 106.3 j, smooth [99.9°]
 CO Pueblo KVUU 99.9 r, "My FM" (from "K View/
 CO Sterling KDRE *90.7 to be \$, gr. Ownership to Educational Media Foundation (from Broadcasting for the Challenged) [Thunder°]
 FL Bradenton WTBT 103.5 k, "US 103.5" (from "Sky/
 FL Lafayette ("which doesn't exist")-Tallahassee WEGT 99.9 r variety, "99.9 Hank FM" (from "Oldies 99.9"). No commercials or call letters heard.
 GA Americus WFRP *88.7 gr, \$, Educational Media Foundation programming.

GA Bainbridge WRAC-FM 97.3 m, "Magic 97.3" (from "Real Rock 97.3")

GA Peachtree City WVWA 96.7 S, I, "Viva 105.7." Parallel to WVWA-FM 105.7 Canton.

GA Valdosta WYZK 96.7 s, parallel to WGOV 950 AM. May change calls; no "Mix 96."

ID Idaho Park KWYS-FM 102.9 o, classic hit, "Sam"

IL Chicago WJMK 104.3 r, "104.3 Jack FM." "My wife's going to be disappointed. There's no oldies station left in Chicago," R.W., Portage IN.

IL Dorsey WDRS *89.5 \$, gr, Educational Media Foundation (from Broadcasting for the Challenged)

IL Granite City WARH 106.5 r, AC/classic hits, similar to "Jack" format, still "106.5 The Arch." "Rumors [are] flying around town [St. Louis MO] that WRDA 104.1 Jerseyville IL may also be contemplating a format change." WARH plays '70s, '80s "and whatever we want," including some mid-90s tunes.

IL Park Forest-Chicago WRZA 99.9 r, wide-ranging, "Nine FM."

IL Polo WLLT 107.7 o

IN Huntington WXKE 102.9 r, classic hits/hot AC hybrid, "102.9 Mike FM" (reroutes "The River")

IN Salem WZKF 98.9 s, "96.9 Kiss FM"

IA Newton KNNU *88.3 \$, gr, to Educational Media Foundation. It is paying \$20,000 for this construction permit to Broadcasting for the Challenged.

KY Nicholasville WLTO 102.5 s, hip/hop, rap, still "Hot 102" ["Arrow 101-5"]

KY Richmond WLRO 101.5 g, "Light 101.5" (from/MA Winchendon WKMY *91.1 gr, \$, EMF contemporary Christian

MI FreeLand WWZP *90.9 gr, \$, ownership to Educational Media Foundation (from American Family Association).

NE Plattsmouth KCTY-FM 106.9 r, variety, "Bob FM" (from "Retro 106.9"). Plans to keep its call letters.

NM Clovis KKCC *90.3 \$, gr, Educational Media Foundation (from Broadcasting for the Challenged)

NM Grants KDSK 92.7 o, uses calls (not "Cibola Country")

NM Roswell KRSR *89.1 \$, gr, Educational Media Foundation (from Broadcasting for the Challenged)

NM White Rock KSFQ 101.1 j, smooth, "The Cat" (from "Mix 101") [talk, resumes \$[tereo] operation.

NY Buffalo WBUF 92.9 r, "Jack" + Stern. Drops other/ NY New York WCBS-FM 101.1 r, "Jack." An oldies station since 1972, "CBS-FM 101.1," has changed with the times. It's gone the eclectic route of using a boy's first name and playing "whatever we want" in a more-or-less rock genre. Although its format had evolved through the years, emphasizing a more recent version of "oldies," the likes of "Cousin Brucie" Morrow, Harry Harrison, Dan Ingram and Norm N. Nite made it legendary. The new format, repeated in Chicago at Infinity's WJMK, is an eclectic mix of music from the '70s through the present, including classic hits, current top 40 and other rock.

NY Rochester WCMF 96.5 op

ND Bismarck KBMK *88.3 \$, gr, Educational Media Foundation, which is buying it for \$60,000 from Broadcasting for the Challenged, along with six other permits nationwide.

OH Georgetown WAXZ 97.7 o, classic hits

OH Oxford WOXY 97.7 o, classic hits, no "X 97.7"

OH Ripley WAOL 99.5 o, classic hits. No "Classic Country 99.5." Supplies programming to Georgetown and Oxford. [longer "Tulsa's Soft Oldies"]

OK Glenpool KTSO 94.1 o, classic oldies, no/

SC Batesburg WZMJ 93.1 t, sports, monophonic, "ESPN Radio" [(from "Star 97.1")

TN Goodlettsville WRQQ 97.1 o, "Oldies 97.1"/

TX Amarillo KBZD 99.7 S, sl, "hurban," "99.7 The Party" (from "Tejano 99.7") ["La Ley 103.5"]

TX Hereford KJNZ 103.5 S, I, regional Mexican./

TX San Angelo KHBO *89.3 \$, gr, Educational Media Foundation (from Broadcasting for the Challenged)

WV South Charleston WMXE 100.9 o, classic hits, "100.9 The Mix" (from "Mix 100.9")

WI Spencer WOSQ 92.3 t, mono, ESPN sports.

WY Riverton KTRZ 93.1 m, "Sunny 93.1" (from "Wyoming's Heart of Rock").

PQ St-Jean-Sur-Richelieu CFZZ 104.1 o, French oldies, "Boom FM" (from "Z 104 FM")

On Air—Real Stations and Piratés (Selected)

CA Newport Beach KDLE 103.1 with 300 h,v; 294 m, d-a, from a ridge of hills about 10 km SW of where it was. This increases to 70 km its distance from co-channel simulcaster KDLD San Diego (from 59 km).

IL Chicago WUSN 99.5 engaging in separate "HD Radio Multicasting." First commercial station to do so, with "Future Country." It features emerging artists on a program channel called "HD-2."

IN Indianapolis WBDG *90.9 fined \$9000 for not showing public file to Marty Hensley. Hensley is asking the FCC to reconsider denials of his petitions against WHJE *91.3 Carmel, WEEM *91.7 Pendleton IN and WKPB *89.5 Henderson KY. He wants the WBDG license revoked in favor of his *90.9 Speedway IN application (Hoosier Public Radio).

MN Northfield KCMP *89.3 "The Current" revs up Minnesota Public Radio's spring pledge drive. The newly-acquired station enabled the drive to be "huge. It was lovely," Valerie Arganbright, MPR's on-air fundraising director said. She had previously worked at WCAL *89.3 Northfield when it was owned by St. Olaf College. During the nine-day drive, which ended Mar. 4, MPR raised \$2.1 million, exceeding its \$1.82 million goal. Some 15,800 people contributed, estimated to be 1 of every 6 MPR listeners, compared with the national average of 1 in 10 public listeners, according to Arganbright. Donations per person were smaller, but more people were involved, which was the network's strategy.

Arganbright said she was surprised by some of the listeners attracted by KCMP, which came about in January. "One woman, a longtime classical music listener who is near retirement age, said, 'I've listened to the Current. Its music is foreign to me, but because it's public radio, I'm going to try it.'"

NJ East Orange WFMU *91.1 raised more than \$816,000 in its recent annual radiothon.

NY New York WKCR *89.9 played about two weeks of straight Billie Holiday music during April. Columbia University students Patrick Jarenwattanon and Matt Herman headed up the effort. Holiday died at age 44 of kidney disease in July, 1959. At the time she was under arrest for narcotics and handcuffed

to her bed. The special programming was tied in with a fund-raising effort for the station. It was the largest marathon in the station's history.

NY New York—the New York City Rescue Mission on Lafayette Street had a Mother's Day dinner for homeless mothers and their children. Among celebrity servers were Johnny Stone, morning host on WAWZ 99.1 Zarephath NJ and Ed Lover, afternoon host on WWPR-FM 105.1.

NY New York ratings from the Winter 2005 Arbitrons. Overall, WLTW 106.7 leads at 6.2, WSKQ 97.9 5.3, WRKS 98.7 4.9, WQHT 97.1 4.8, WWPR-FM 105.1 4.4, WHTZ 100.3 (and WINS AM) 3.9, WCBS-FM 3.4, WPAT-FM 93.1, WAXQ 3.2, WXRK 92.3 3.1, WBLS 107.5, WKTU 103.5 3.0, WQXR 96.3 2.2, WQCD 101.9 2.6, WPLJ 95.5 2.1. Several AM stations went down in the ratings. These included WABC 770, dropping about 20 percent, WLIB with Air America, declined to 1.2, and WINS 1010 declined to 3.9.

An article by David Hinckley of the New York Daily News states that not only is WLTW a ratings gorilla, it's a cash machine, being ranked in the national top 10, along with WINS (AM). WCBS-FM 101.1, "while it's doing well, has been flat in ad revenues the past few years, which is one reason it gradually reworked its musical format." Sometimes success in ratings does not correlate the same way in ad revenues. Hispanic WSKQ, second in ratings, is 10th in revenue. Urban WRKS, third in ratings, is only 13th in revenue. Hip-hop WWPR-FM is fifth in ratings, but 17th in ad revenue. WQXR 96.3 with classical is expected to be 19th in revenues for 2004, at \$19.6 million. Top biller WLTW is expected to come in at \$70.2 million.

SD Rapid City K204FB *88.7 with KILI 90.1 Porcupine SD, with ownership transferred to Lakota Communications, Inc. from Calvary Satellite Network.

WV Berkeley Springs WDHC 92.9, "Down Home Country," having moved from 93.5. Now with 3200 h,v; 139 m, it's providing a better signal into Hagerstown.

WI Madison WNWC-FM *102.5 at low power white its tower is being worked on. This is expected to take two months.

Off Air—Or Not Yet On

CO Craig K285ED 104.9 due to weather disturbances.

GA Stone Mountain (frequency not available): Samuel E. Dacres fined \$10,000 for running an unlicensed FM station.

Deletions

AZ Mesa K210CP *89.9, K220HH *91.9

AZ Phyoenix K210BZ *89.9

AZ Tempe K210BZ *89.9, K220GO *91.9

AZ Tucson K269CY 101.7

FL Fort Pierce W213AX *90.5, at request of licensee.

ID Moscow K276BV 103.1

LA Winnfield K209DR *89.7

MN Red Lake WRLN 94.1

MN Walker K224AN *92.7. "It interfered with a co-channel station, and when KTIG moved to 102.7 from 100.1 with 100 kw, we no longer needed the translator. Earlier, translators in Pierz and Wadena were taken off the air. We only have Park Rapids on the air (K240BI 95.9)."

MS Ackerman W245AE *96.9

NM Alamogordo K256AJ *99.1
 NV Indian Springs K216DJ *91.1
 OH New Philadelphia W213AJ *90.5
 OR Portland K226AJ *93.1
 TX Daingerfield K216EO *91.1
 UT Bountiful K204EH *88.7
 UT St. George K217DT *91.3; LPFM *106.1
 VT Bellows Falls *97.5 LPFM, St. Charles Educational Association. CP cancelled. [construction permit.
 WA Brinnon K220IC *91.9. Had an expired/
 WY La Barge K296AT *107.1
 VI Christiansted WSTX-FM 100.3 (plus AM 970).
 Licenses revoked by the FCC, but may go to appeals court.

FMistakes, FMedia! FM Atlas-19

CO (not "CA") Dinosaur 101.1, Apr. p. 1, col. 1. [1
 FL Miami 93.1 is WHDR (not "WPYM"), May p.4, col./
 PA Pleasant Gap 98.7 is WQWK, not "WQWY," May
 p. 3, col. 2. [col. 1.
 UT Provo KUDE-1 is 103.9, not "99.1," Apr. p. 4./

SCServices, 57, 67, 92 kHz

Symbols are as in the FM Atlas

AZ Phoenix KMXP 96.9 no \uparrow C. Its RDS, 57 kHz,
 alternatively reads "96.9 Mix," "311 Love," "Song Mix."
 IL La Salle WAJK 99.3 \uparrow ()
 KY Auburn WBVR 96.7 \uparrow ()
 KY Fulton WVKF 99.3 \uparrow ()
 MN Minneapolis KSJN *99.5 \uparrow (), RDS. "Maybe Min-
 nesota Public Radio will put RDS on all their sta-
 tions. Immediately after they took over the old
 WCAL (89.3 Northfield MN, now KCMP), they dis-
 continued the RDS."

NY Buffalo WGRF 96.9 \uparrow ()
 NY Rochester WXXI-FM *91.5 \uparrow (), new RDS SCS.
 TN Paris WAKQ 105.5 \uparrow (), reading "KQ 105"
 TN Union City WYVY 104.9 \uparrow (), reading "Y 105"
 WQAK 105.7 \uparrow (), reading "WQAK"
 USA—Lyle Henry in southern California reports on
 SCA wristwatches in *Radio Guide*. The Seiko ser-
 vice was turned off in 1999, but a new data service
 at 67 kHz is emerging—the MSN (Microsoft) net-
 work. Equipment at each station connects at MSN
 headquarters in Redmond WA. Station coverage
 maps can be seen at <http://direct.msn.com>. "I know
 some engineers were not initially happy about add-
 ing a subcarrier to their signal, but it had been ar-
 ranged by higher management. So there were the
 old worries about annoying birdies in the main
 channel, particularly under multipath conditions.
 However, I think everyone was pleased by the non-
 effect of the digital SCA. I certainly could never tell
 that it was there, as I listened to the stations for
 many miles before and after installations."

"I dearly love my radio [a Radio Shack modified 12-
 604]. . . Thanks for sending me the [cassette] cata-
 log and making your services available to the
 blind," J.W., Cleveland OH.

"I've learned a lot from you. Always keep your butt
 covered [in chess]," Tony A., Carlton MN high
 school student.

NonIDs, Not Just Slogans

*Mentioned usually without call letters;
 "strict" if a station uses call letters once
 per hour (at or near top of hour) as required
 by FCC and Industry Canada*

CA Los Angeles KXOL-FM 96.3 Latino 96.3 (from
 "El Sol 96.3")

CA San Francisco KZBR 95.7 95-7 Max FM, r,
 adult hits.
 CA Santa Barbara KVYB 103.3 The Vibe
 FL Bradenton WFUS 103.5 US 103-5 Country
 (from "US 103.5"); strict, doesn't seem to use
 real calls.
 IN Aurora WSCH 99.3 The Eagle
 IN Batesville WRBI 103.9 uses calls, "Country
 103.9 WRBI," not "I 104."
 IN Columbus WKKG 101.5 Indiana Country
 IN Connersville WIFE 100.3 All American Country
 ("The Hot Wife" waltzes away)
 IN Greensburg WAUZ *89.1 "WYGS." See com-
 ments under IN Versailles.
 IN Versailles WKRY *88.1 "WYGS," the calls of
 Columbus IN *91.1. "The biggest surprise to me
 was the failure of some stations to announce
 their FCC call signs in a timely manner. The prac-
 tice of using station logos instead of their call let-
 ters makes it a little bit more difficult for someone
 doing FM DX'ing. I was stunned to find a few sta-
 tions actually identifying themselves using incor-
 rect call letters because they were simulcasting
 a different FM station. WYGS is a good example
 of that. Even at the top of the hour, station
 WKRY did not identify themselves using their
 own call sign. WYGS was the only ID transmitted.
 I had to call the station in Versailles to verify that
 it was their signal that I was listening to!" G.M.,
 Union KY.
 WXCH 103.1 Eagle 103-1
 KY Atwood WZFR-LP *97.7 107.9 Choice FM,
 parallel to WRHX-LP *107.9 Richwood KY.
 KY Erlanger WIZF 100.9 100.9 The Wiz
 KY Falmouth WIOK 107.5 Tri-State Gospel (from
 "OK 107.5")
 KY Lexington WLXX 92.9 The Bear
 LA New Iberia KRDJ 93.7 Red 93.7
 MA Lawrence WQSX 93.7 Mike (from "Star 93.7")
 MI Muskegon WMUS 106.9 uses calls, "WMUS
 The Moose" (from "107-MUS"). ["Latino Mix")
 NJ Newark WCAA 105.9 Reggaeton y mas (from/
 NY Buffalo WBUF 92.9 Jack FM, r, adult hits,
 \$(tereo) resumed.
 NY Fairport WFKL 93.3 Fickle
 OH Cincinnati WAKW *93.3 uses calls, "93.3
 WAKW," and not "New Life 93." ["Y 96")
 OH Hamilton WYGY 96.5 96-5 the Star (from/
 WGRR 103.5 uses calls, "WGRR 103.5," not
 "Oldies 103.5."
 OH Hillsboro WSRW 106.7 Buckeye Country 106.7
 (from "Stereo Country 107")
 OH Middletown WPFB-FM 105.9 The Rebel 105.9
 (from "Hot Country 105.9") ["Kiss FM")
 OH Milford WKFS 107.1 Kiss 107 FM (from/
 OH Piqua WDPT 95.7 95-7 The Point (from "Oldies
 95")
 SD Sioux Falls KTWB 101.9 Maximum Country
 101.9 (from "Outlaw Country") [Radio
 TX Lufkin-Nacogdoches KLDN *88.9 Red River/
 UT Roy KUDD 107.9 The Mix (from "Power D
 107.9") [101.1 The Beat of Niagara")
 ON Fort Erie CKEY 101.1 full nonID is "Wild/
 ON Pembroke CKQB-1 99.7 The Bear, parallel to
 106.9 Ottawa.
 ON Welland CIXL 91.7 The Giant (from "Giant FM")
 PQ Saguenay CFIX 96.9 C-Fox (from "Rock Dé-
 tente")

VC Martinez de la Torre XEHU-FM 104.5 Shock FM

Multi-City Identifications In Use

AZ Eagar KTHQ 92.5 with Show Low.
 FL Coral Cove-Sarasota-Bradenton WSRZ 107.9
 adds Venice. Calls never heard, as is the case
 with another local Clear Channel station, WFUS
 (see above). There is one deejay who likes to
 play with the audio processing, giving the sound
 "too much midrange." "I'm partially sighted, and
 was told to call the station when he does this.
 The sound is terrible, and I can easily tell when
 this happens," D.A., Venice FL.
 IA Hiawatha KWOE-FM *89.1 with Cedar Rapids,
 "The Spirit" (contemporary Christian, stereo).

Selected AM Happenings

CA Oildale KGDP 660—it's moving from Orcutt,
 and building a facility with 2.5 kw day and night
 to serve Bakersfield. KGDP-FM is *90.7 Santa
 Maria CA, and Orcutt is served by FM, namely,
 KPAT 95.7. [adult standards.
 CA Shasta KCMR 1460 was silent. Now Jones/
 IA Indianola KXLQ was off the air. May soon be
 back on, as rock music has recently been heard
 on its 1490 frequency.
 MD Baltimore WBGR *860 back on the air, now
 with Family Radio. Co-owned WBMD 750 also
 back on, mainly in test mode, but has been
 heard with Christian music. Frequent periods of
 dead air, "I don't know what kind of processor
 they use, but boy are they loud."
 MN Brooklyn Park KLBP 1470, St. Paul KLBB 1400
 sold by Minnesota Public Radio to Davidson
 Media Group of New York for \$5.2 million. That
 company, started last year, owns 20 East Coast
 and Midwest radio stations. Thus ends MPR's
 involvement with commercial radio ownership.
 Both stations played American standards music.
 KLBB, based in the center of the metro, would
 most likely broadcast in Spanish, while the KLBP
 programming "needs more research." Said Peter
 Davidson, president of Davidson Media Group:
 "It could be targeted to the Asian community, or
 we might simulcast [with KLBB], or we might
 even retain the [standards] format." He said the
 stations will employ local staff and be "very
 community-focused." KLBB has carried play-by-
 play sports, such as the Minnesota Lynx, a bas-
 ketball team,
 Minnesota Public Radio said selling the stations will
 allow a strong "focus on its public radio stations."
 Recall that last winter it paid \$10.5 million for
 WCAL (now KCMP) *89.3 Northfield-KMSE
 *88.7 Rochester MN, now known as "The Cur-
 rent."
 The sale affects 10 fulltime employees, who will be
 offered severance packages and job-finding
 help, according to the Minneapolis [Star-] Trib-
 une. The tower in St. Paul is not included. It's
 expected the tower will be leased back to KLBB.
 "Another reason to add to my hatred of MPR!
 The selling of KLBB and KLBP to a group which
 will provide ethnic radio really gets my goat, as
 that means no Twin Cities AM stations will be
 worth listening to. Forget FM, as all the pro-
 gramming tends to smell! Oh, well. Drag out the
 old records, tapes & CD's," J.E., Bloomington
 MN.

NY New York WINS 1010 makes news by virtue of its long history of reporting the news. April 19, 1965 was the day the announcer said, "Welcome to All-News 1010 WINS." The gamble in all-news paid off with more listeners and more advertising revenue than any radio station had to date. It represented a huge payoff for Group W, long-time station owner, with Infinity continuing the tradition. Short and punchy, that's the WINS code. But the sound has changed in the 40 years of its news metamorphosis. Program director Mike Mason commented: "Actually, we couldn't be more different. All of today's health and financial news never would have been there in the beginning. Even our sound is completely different. At the beginning, there was a WINS voice, this very stentorian tone, and no women. Today, half our on-air voices are women. We're constantly adjusting content and style. The trick is doing it so it's not jarring."

Said media consultant Walter Sabo: "WINS makes it sound easy. In my humble opinion, WINS is the best-programmed radio station in America. It sounds timeless."

WINS gravitated to news, as did Group W's KYW 1060 Philadelphia and KFWB 980 Los Angeles. Group W apparently felt music would gravitate to FM, although the company was not much into FM at the time, having deleted KYW-FM 92.5 Philadelphia, WBZ-FM 92.9 Boston and WBZA-FM 97.1 Springfield MA, and only recently reentering FM in Boston on 106.7. [Information from the *New York Daily News* online and from the Summer, 1949, *White's Radio Log*.]

NY Penn Yan—MB Communications' WYLF 850 fined \$10,000 for running its 1 kw day power at night, instead of just 45 watts. The FCC further found the station exceeded the 1 kw day power at times, and there were gaps in the tower fence. MB claimed equipment problems caused the higher power operation and frost heaves had damaged the fence. The FCC didn't buy those arguments, and stuck to the fine. [WTHM.

PA Red Lion WGLD 1440 off the air. Had been/ PA Columbia WVZN 1580 Spanish religion, but has been on and off. "Signal is poor; always has been, but seems worse now," Bruce, York PA.

SC Walterboro WALD 1080 silent. Was country.

FMakings—Selected FCC and Industry Canada Applications and/or Rulemakings

- AZ Phoenix K248AL *97.5 seeks 93.9, h,v—probably because of the move of KZLB 97.5 from Flagstaff to Dewey-Humboldt AZ.
- CA Los Gatos K212AA *90.3 is v, but seeks h only
- CO Limon KAVD 103.1 100000 h,v; 450 m, C0. Requires KRFX 103.5C Denver to become a C0. Site to be 16 km closer to Denver for KAVD.
- FL Daytona Beach Shores 99.5A allocated at request of Carmine Tutera.
- FL Shalimar (move from Evergreen AL, C1) WPGG 93.3 50000 h,v; 143 m, C2s. Tower in Fort Walton Beach FL.
- GA Aragon (move from Rockmart) WTSH 50000 h,v; 150 m, C2, but hoping ultimately for C1 facilities from a site on Hodge Mountain, Euahlee

GA, about half way to Atlanta. It would be willing to wait until WYAY 106.7 Gainesville GA completes its facilities change to 83000 h,v; 482 m at a site farther away. WSKZ 106.5 Chattanooga TN would be reclassified as C0.

- GA Union Point 105.1C2 (move from Elberton 105.1A), WLOV-FM, comments at the FCC by July 18, replies by Aug. 2. [to serve Honolulu.
- HI Waianae (move from Lahaina) KLHI 101.1C/
- IL Carpentersville *88.1 2000 v, 33 m, d-a with 25% power 110-140°, LifeTalk Broadcasting Assn.
- IL Elgin *88.9—dismissed R.B. Schools' application (against WEPS). [application (against WGBK)
- IL Glenview *88.5—dismissed R.B. Schools'/
- IN Valparaiso *91.1 supposedly granted to American Family Assn., over those of Cahvary Satellite Network and the WBEZ Alliance, but not yet on the FCC website as granted. Also, a supposed grant to AFA for *90.1C3 Jacksonville NC (over Family Radios' 89.9C3 application in Folkstone), and a new station in central Ohio for 89.3, Riverside Ministries, beating out WKRW Wooster's bid to increase from an A to a B1 on 89.3..
- MI Bloomfield Hills *88.1 R.B. Schools' application (against WBFH) dismissed. [with Grand Ledge.
- MI Charlotte (move from Jackson) WJXQ 106.1B/
- MI Grand Ledge (move from Charlotte) 92.7A. This would put the WQTX signal closer to Lansing.
- MI Kalamazoo *89.9 RB Schools application v. WKDS dismissed. Other RB Schools applications have been dismissed: *88.1 Plymouth MI (vs. WSDP), Southfield MI *88.3 (vs. WSHJ), Wooster OH *90.9 (vs. WCWS).
- MN Bloomington K218DK *91.5—dismiss minor change application to go to 91.9.
- NE Maxwell (move from McCook) KRKU 98.5C1, 100000 h,v; 299 m. To make the move possible KBBN Broken Bow would move from 98.3C3 to 95.3C3, with McCook Radio Group reimbursing Custer Country Broadcasting.
- NH Enfield 104.3A, with Keeseville, Morrisonville NY, Hartford VT, replies by June 14.
- NJ Bass River Township, Burlington County 106.5A (from 106.3A Ocean City). This would be a 40 km move north for WKOE, toward Atlantic City, and ease an overlap to WHTG-FM 106.3 Eatontown NJ. [WVOD
- NY Keeseville 104.3C3 (from Hartford VT 104.3A)/
- NY Morrisonville (move from Keeseville) 94.1A
- NC Creedmoor WFXQ 99.9 25000 h,v; 66 m, from a site in Sandy Plain NC. Will serve Durham and most of Raleigh.
- OK Alva KNID 99.7 100000 h,v; 310 m, hoping to better its coverage of Enid from a site south of Chrokee OK.
- OK Idabel 102.9 25000 h,v; 87 m, C3, KQIB
- OK Okemah (move from Wilburton) 103.7C1, KESC, replies by June 14.
- OK Oklahoma City KOMA 92.5C, 100000 h,v; 518 m. This move, from a possible C0 downgrade, would thwart a 92.7A allocation at Stuart OK.
- OK Shattuck 104.1C2, with KMGL 104.1C Oklahoma City to be reclassified as C0.
- OK Wilburton (move from McAlester) 101.3C1, KMCO. But there's pressure on the FCC to revoke the licenses of former state Senator Gene Sipe, who wants to buy the stations as "Little Dixie Radio." He used state money, funnelled

- through Eastern State College in Wilburton for his own purposes.
 - OR Dallas—the FCC denied 98.5C3 as a non-commercial channel. It found the area is served by one noncommercial FM as well as KOAC *550. AM stations do count. To qualify for a commercial band (92.1-107.9 mhz) noncommercial allocation, the applicant must show that 10% of its 60 dBu coverage would provide a first or second noncommercial service.
 - TN Morrison 105.3A (from Sparta 105.5A), WRKK-FM. Would serve the Manchester area.
 - TX Garwood 97.3A. This would force KAJA 97.3C San Antonio to downgrade to C0.
 - TX Refugio (move from Sinton) KOUL 103.7C1, allowing KTKY 106.5C2 (from 106.1) Taft to become 136 m (50000 h,v) [VT], 95.3A, WXLF.
 - VT Hartford (move from White River Junction/
 - WA Oakville (move from Raymond) KFMV 97.7 60000 h,v; 756 m, d-a with 22% power 0°, C, to serve Tacoma and much of Seattle. But reception north of Seattle will be impaired by CBUF *97.7 Vancouver BC and its directional antenna.
 - WI Neillsville W274AP *102.7 seeks 91.9.
 - WY Laramie KRQU 104.5 50000 h,v; 150 m from a site south of Laramie
 - ON Tillson burg 104.7 to replace CKOT 1510 AM (daytime), 1200 (nighttime), unique in having two unrelated frequencies for day and night operation. But it's opposed by three 104.7 applications in Woodstock ON.
- FM As It Was—Or Might Have Been: FM-FM Stereo Broadcasts in the '50s**
- John Marks, writing in *Stereophile* magazine, speaks of dual-mono radio broadcasting, but he's really referring to a crude method of sending out a true stereo channel. It was a wasteful procedure, involving two licensed stations in a market. Sometimes, it was two FM stations, such as WGBH *89.7 and WBUR *90.9 (later WBCN 104.1 when the latter was classical). Or it might have been when two commonly-owned stations in a market got together (AM-FM in those days, since FM-FM or AM-AM duopolies weren't allowed).
- Such methods of getting out stereo via radio were necessary, since the FCC did not authorize FM multiplex stereo until 1961. WGBH did not embrace FM stereo until 1966. WCRB 102.5 Waltham-Boston began FM-FM stereo simulcasts in 1957. This required the listener to position two FM radios in such a way as to provide stereo (left-right audio separation). With FM radios comparatively rare in that era, not too many households could enjoy the broadcasts as they were intended to be received. The FM-AM stereo system was available to more of the populace, but suffered from one channel having inferior audio compared to the other channel, and being susceptible to static and other interferences.
- The Boston Symphony was ready with stereo recordings as early as 1958; it had to wait a few years before FM stereo was ap-

proved and the stations carrying its live concerts or recordings were available.

Perfume Allergy Case Brings \$10 Million Judgment

DETROIT—A jury awarded \$10.6 million to a one-time radio host who was fired after complaining a co-worker's perfume made her sick. Erin Weber said WYCD 99.5 fired her in 2001 after she complained she was allergic to another host's perfume. She said the station owner, Infinity Broadcasting Inc., discriminated against her for a disability—allergies—and retaliated after she filed a complaint with the Equal Employment Opportunity Commission. Infinity said Weber was fired for not coming to work. The company said it had asked the other woman to stop wearing the perfume and modified Weber's schedule so she wouldn't come into contact with her. A federal jury awarded Weber \$7 million in punitive damages, \$2 million for mental anguish and emotional distress, and \$1.6 million for past and future compensation. Infinity spokeswoman Karen L. Mateo said the company planned to appeal.

Small-Print Happenings and FM Industry News

Roy Stewart heads back to whence he came, the FCC media bureau. He was head of the bureau when it was called the mass media bureau. Ken Ferree has left the media bureau. Stewart is well-known and liked by broadcasters. His new job will be as deputy chief of the media bureau. His boss there will be Donna Gregg, an attorney, just named to the media bureau. The FCC still has a vacant fifth seat, relying for now on two Democrats and two Republicans.

Among actions the Commission is soon expected to take up are simplifying FM rulemaking procedures, such as move-ins from smaller towns to suburbs of major cities, city of license changes and station downgrades. These are challenges for FCC chairman Kevin Martin and his three colleagues.

The FCC is picking up steam with regard to noncommercial FMs. It is granting many applications where there are settlement agreements, but now is preparing to dig in and apply criteria that come out of a 1998 freeze, including whether an applicant might give a new or a second educational service to 10 percent of an area's population, or if it might give such a service to at least 5000 more listeners, and if that doesn't cut it, looking at questions of local ownership and proposed local programming.

An analysis of Canada stations shows only 237 AM on the air, excluding low power relay transmitters. Ontario leads the pack with 54, British Columbia has 45, and there

are 28 each in Alberta and Quebec. Most of the AMs that remain in Canada are in large markets. The trend in other places is for stations to move from AM to FM. Barry McLarnon, Ottawa, did the research as reported in the *M Street Journal* online.

NextMedia Group has agreed to sell eight FMs—four in Reno, Nev., and four in Lubbock, Texas—to Wilks Broadcast Group for \$34 million. Parties expect the deal to close in Q4, pending FCC approval. The Lubbock stations are KMMX 100.3 Takoma TX, KLLI 96.3, KONE 101.1 and KBTE 104.9 Tulsa. The Reno stations are KJZS 92.1 Sparks, KRZQ 100.9 Sparks, KURK 92.9 and KTHX 100.1 Dayton NV. NextMedia President/CEO Steve Dinetz said the sale allows the group to focus more on its out-of-home media clusters and strengthen the balance sheet. NextMedia has 57 stations and 5,600 bulletin and poster displays. Michael Bergner of Bergner & Company brokered the transaction

Applications for low power FM stations shows the FCC is at the last stage of going through some 3000 sent in during the filing window. Left to be considered are about 140 applications that are mutually exclusive.

Saga Communications has long wanted to buy a market cluster in Ithaca NY, with two more AM and two FM stations. But a local group, "Finger Lakes Alliance for Independent Media" filed a petition stating that the cluster would control 63 percent of the Ithaca audience and at least 68 percent of the market's revenue. It disputes the FCC's use of Arbitron market definitions, especially when out-of-town stations are counted which cannot be heard in the Ithaca valley.

The Ford Foundation, longtime funder of public TV, is still at it, now with the addition of public radio. Some \$50 million will go to public TV, radio and other media outlets. PBS and National Public Radio will receive the largest grants, \$10 million and \$7.5 million respectively.

From 1951 to 1996, Ford gave more than \$400 million to public media, and since then its funding has been a more modest \$3 million a year. Through the years critics of the Ford Foundation, such as Fulton Lewis, Jr. and the Nixon administration, tried to take it down, as a bastion of liberalism and a watering hole for Democrats.

There's concern the Republican-appointed head of the Corporation for Public Broadcasting is out to make both NPR and CPB more right-leaning. I heard a report by Bill Moyers, who is leaving public broadcasting, attacking Kenneth Y. Tomlinson for his right-leaning biases. He's finding a liberal bias in National Public Radio, for example, that's not necessarily there. The *New York Times* May 16 had a story about a conflict between NPR and Tomlinson. His board has told its staff that it should consider redirecting money away from national newscasts and toward music programs produced

by NPR stations. I am sure this would set well with classical-formatted public stations, some of which seem to be endangered by the trend toward monophonic talk.

Tomlinson denied an interview to Moyers and to others who would like to question him on his views. About a quarter of the CPBudget goes to radio; the rest to television.

Tomlinson also heads the Broadcasting Board of Governors, which supervises such government activities as the Voice of America. He has suggested that broadcasts heard in such countries as Germany be from the Voice of America, and not produced by National Public Radio. Some NPR officials suggest that he has a conflict of interest as head of both the BBG and the CPB. "It certainly calls into question where his allegiance lies," said Tim Eby, chairperson of NPR and manager of WOSU-FM *89.7 et. al. Columbus OH. However, Tomlinson doesn't think there is a conflict of interest.

In an interview, Eby said NPR executives had been worried because they were not getting full information about what's happening at the CPB. "Everybody has been concerned in a lot of ways because there's been a real lack of transparency about what's been going on there," he said.

Missed the June 11 noon EDT Armstrong memorial broadcast from the Alpine NJ tower on 42.8 megacycles? It was also simulcast on WFDU *89.1 Teaneck NJ, and tunable on scanners, set for wide FM mode, and tuning or searching the range which included 42.8. It was also simulcast on the Internet, and will be on the Internet again. Rebroadcasts will be 7 p.m. June 14 and 16. For more information: www.wfdu.fm.

Both Sirius and XM Satellite Radio claim significant audience gains. Sirius ended the quarter with almost 1.5 million subscribers, and projects 2.7 million by year end. Rival XM claims 4 million, with 5.5 million expected by the end of the year. Both are still losing large sums of cash, with their stocks doing so-so.

An iPod world, for sure, is the subject of an article by Marc Fisher, *The Washington Post*. Technologies like TiVo let you skip TV commercials, broadband lets you download music you choose, iPods give you the ability to program your own portable music and satellite radio gives you a selection of dozens of music genres.

Younger listeners, especially, are grabbing hold of the idea that they can control their media landscape, through iPods and similar technologies. Some 90 percent of people under 55 have embraced this technology. For radio, writes Fisher, this means a huge generation gap is developing. The iPod, Apple's digital music player, is more like the transistor radio than any other gadget in media history, in that it is making a powerful entrance into American homes. An

Arbitron/Edison study found that about a quarter of American teens own an iPod or other device, such as an MP3 player—a far higher percentage than any other age group. That's what has led Infinity Broadcasting, for example, to convert an AM station in San Francisco to KYOU. It has a format "all podcast" in which anyone who can produce a simple radio show can upload it to the station, which will pick its favorite entries and put them on the air.

This experiment is at the far fringe of the industry. Most radio executives are nowhere near embracing such a radical move, taking comfort instead in the finding by the survey that 8 in 10 Americans say they will not listen less to broadcast radio, despite the new technologies.

Hoping to find a way to coexist with iPods, traditional radio is just now starting to overcome its ostrichlike reluctance to admit on the air that listeners are becoming savvy about programming their own playlists. A vigorous internal debate among radio executives about whether it makes sense to mention iPods on the air seems to be drawing to a close, and more stations are starting to let deejays refer to what's on their own iPods. Some stations are even taking a page from radio's history and giving away iPods loaded with music and promotions for the stations.

Fisher mentions that in the 1960s, as FM radio took its first steps toward common acceptance, many stations gave away FM receivers. But is it too late? Although iPod users tell pollsters they won't put aside radio, the Arbitron/Edison study finds that iPod listeners already use less broadcast radio than do others. Perhaps the more telling finding comes in the percentage of people who say they "love" their iPod (34 percent) or their satellite radio (40 percent), versus those who "love" over-the-air radio (19 percent).

Popular awareness of satellite radio is soaring, with one in five Americans telling Arbitron/Edison they are likely to subscribe to one of the two satellite services in the next year. Twenty-two percent of Howard Stern listeners said they are likely to follow him to Sirius when he leaves broadcast radio next year. Several high school students I've encountered take their portable iPods to class with them.

Shock jocks coming clean? That's the case with Mancow Muller, it seems. Based in Chicago, he recalls that the sleaze wasn't his idea, but that of his bosses. "You don't have to interview too many strippers or porn stars to realize they have absolutely nothing to say. It's voyeuristic, it's easy and I got very bored with it, but I was told to do it. To me, it's bad radio and I thought it was bad radio at the time. I've evolved from that." And WWPR 105.1's Star talks about his early days at WQHT 97.1 New York. There, he said, he was told to do "things I'm

ashamed of. My radio journey has evolved. I don't have to do that any more and I don't want to do that any more." These guys are also looking ahead to when Howard Stern will have left the FM landscape in favor of satellite radio. Both Mancow and Star would love to grab some of the stations Stern will be leaving, writes David Hinckley in the New York Daily News. Infinity, Stern's company, has hinted it may replace him with several different hosts or shows. "Whatever the nuances, any host has a much better shot at filling the Stern void if he (or she) won't be waving any red flags at the FCC," says Hinckley.

Totals as of 3-31-2005 from the FCC, all licensed and on the air. AM 4761, FM commercial (92.1-107.9) 6205, FM educational (87.9-91.9) 2551, plus 2648 FM translators.

From the classifieds: Wants to sell Tascam 2 track reel-to-reel recorder, \$500, excellent condition. Carol Makin, WLIH 107.1 Whitneyville PA, PO Box 97, Wellsboro PA 16901; 570-724-4272.

Jampro JSCP5 5 bay FM antenna with radomes. On the ground and ready to ship. \$5000, buyer pays shipping. Tuned to 94.1. Lee Schafer, KBXL [Caldwell ID], 1440 S. Weideman Ave., Boise ID 83709; 208-377-3790.

Creative, quick-witted, conversational broadcaster wants to work for you! Will relocate. Paul Townsend, "Big Paul TI," q214-317-2103 or scole@wyndham.com.

FM Forum

Contributions From Readers

"I am very pleased with the GE Superaudio III I recently got from you," writes Greg May, Union KY. "But as a nice side effect, its arrival sparked a new interest in me: that of DXing FM stations. . . As I mentioned to you in our telephone conversation, Judy and I have used the *FM Atlas* for years as we traveled on vacations. I made extensive use of your 19th edition as I sought to identify each station I heard. . . I used a variety of radios and antennas in my pursuits, the hardest catches were obtained using my Radio Shack DX 392 receiver connected to an attic dipole antenna. . . Thanks for all the hard work you have put into the *FM Atlas* over the years!" [On separate sheets, he highlighted information that differed from the *FM Atlas*; most appearing in the "NonID" section above.]

Reader Nick Lombardi, Jr., of Atlanta reads several audio and FM radio-related publications. One of those is *Stereophile*. In its June, 2005 issue, Michael Fremer, "Analog Corner," had this to tell the Wall Street Journal:

An article in the newspaper's lead story stated that satellite radio offers "higher quality sound" than FM radio. This is "demonstrably incorrect. . . While satellite radio is 'digital', it is a highly compressed digital format." Fremer goes on to say that the

chief engineers at Sirius Satellite Radio and XM would most likely agree, as would the engineers at WGBH *89.7 Boston or WFMT 98.7 Chicago.

Ibiquity's website, in fact, carefully states that the process offers "compact disc-like quality." They are careful not to claim "compact disc quality." Calling it "compact disc-like" is a "big, big stretch, and deliberate deception, sort of like calling frozen food 'fresh food-like'. It gets the 'fresh' association in, but we're talking about two very different things. As with satellite, HD radio is 'digital', but all 'digital' formats are not alike. This is not splitting hairs. Please. It is important to not allow these misstatements to stand uncorrected. The public deserves better."

"Hi there....I was just looking at your website dealing with DXing. I haven't really even heard about it until today (May 31). I was driving in the southwest part of North Dakota today about noon. I heard a station I haven't heard before at 92.3 FM. Later, I found that this station was from Phoenix AZ. Then I started flipping through some of the other stations and I was literally picking up dozens of stations from Arizona, Nevada, Utah, and California...over 1,000 miles away. [This was] caused by sporadic e-skip. I've been reading and it sounds like this type of reception is fairly common this time of the year. I have just been really interested in this and thought you would like to have heard my experience. Is it common to pick up stations from one part of the country when this happens and not another? I thought it was odd because I wasn't picking up FM stations in my state 150 miles away but was pulling in tons from the SW part of the country. Anyway, I thought you might find my experience interesting. I enjoyed looking at your website!" Jesse McCormack, Minot ND.

On May 31, I heard several stations here in N.E. Minnesota—from NM, AZ, UT and NV. KNPR *88.9 Las Vegas was heard for several hours in the evening, with stereo pilot and mono (talk) programs, including a reading service to the blind at 67 kHz. KMXF Phoenix had an RDS with "96.9 Mix," "311 Love," and "Song Mix." A 1967 hit by the Bee Gees, was "right here on KDSK" 92.7 Grants NM. KKFR 92.3 Glendale-Phoenix's ID was hard to hear. It was said very quickly, and I had to play the reel-to-reel tape several times, sometimes at half speed (3/4 ips). KBYU *88.9 Provo UT, and KTHQ 92.5 Eagar-Show Low AZ helped complete what was heard during a three-hour period. Also a KUER *90.1 Salt Lake City, and previously heard KNAU *88.7 Flagstaff AZ. Yes, FM skip does usually favor a certain direction or state.

Joesph E. Kureth, Jr., of Westminster MD is an FM DXer who heard KQSM 98.3 Bentonville AR, among other stations. Reception was especially good July 6 (2004), but he's not expecting such excellent conditions to occur for a long time. However, this is the time that FM skip is at its seasonal best, with daylight hours favoring reception 1600 to 2500 km, peaking around June 21. Checking parts of the dial without nearby stations is the way to hear DX, especially with the benefit of a good receiver and antenna. Who, however, these days, has open frequencies in their areas to check? A compromise is to check frequencies with semi-local stations that can be interfered with by out-of-the-area skip stations.

Until July,

Bruce F. Elving