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For the Broadcaster and the *241 Anderson Road, Esko MN 55733-9413, US.*

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New FM Station, Translator, Low Power FM Grants

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)

- CA Garberville *89.1 900 watts vertical only (v), 775 m, d-a (directional antenna), with 19% power 40-70°, Family Stations, Inc. in a settlement agreement.
- CA Hayfork *89.3 790 v, 585 m, d-a, with 18% power 210-280°, American Educational Broadcasting in a settlement agreement.
- CA McKinleyville *89.3 4200 h,v; -84 m, Howell Mountain Broadcasting Co., in a settlement agreement that had Eureka Cascade Communications dismiss its application.
- CA Palm Desert KRCK-FM1 97.7 180 watts v, d-a, with 100% power 0°, booster of Mecca CA station. Granted despite a construction permit for K238AK 95.5, a 250 watt (h,v) translator there for KRCK-FM.
- CO Gypsum K295BH 106.9 (KSKE-FM 104.7 Vail translator), v
- CT Bolton W248AB 97.5 (WILI-FM 98.3 Willimantic), h,v. Is on the air. Its transmitter is about 3.1 km N.E. of the W209BK *89.7 Vernon CT site. *I used to get WALK-FM 97.5 Patchogue NY, but the frequency is covered by W248AB.*
- FL Key West W263BO *100.5 (WLRN-FM 91.3 Miami), 240 watts h, 150 watts v. Had operated as W202BO 88.3).
- GA Toombsboro *91.9 2500 h,v; 165 m, Augusta Radio Fellowship Institute, Inc.
- NY Beekman (just WNW Pawling) *88.3 3 watts h,v; 267 m, Monroe [CT] Board of Education.
- NY Montgomery *88.1 100 watts h,v; 52 m, River Broadcasting, Inc.
- PR Caguas WERR-1 104.1 6 watts h,v; d-a, with 100% power 75 and 185°. Booster of Utuado station.
- AB Calgary CBR- *99.1 1100 h,v; to be parallel to CBR 1010 AM.
- AB Edmonton CBX- *93.9 3930 h,v; to be parallel to CBX 740 AM. [parallel to CHFA 680 Edmonton. *101.1 3930 h,v; \$, c, "La Premiere Chaine," French, /
- AB Fort Vermillion 98.3 2 watts, e, Aboriginal Community developmental station.
- AB Lacombe CJUV 94.1 9500 h,v; 157 m, d-a, o, "classic hits from the '60s through the early '90s for listeners between the ages of 35 and 54," L.A. Radio Group, Inc. Has promised not to sell ads in Red Deer, 29 km to the south.
- BC Abbotsford CIVL *88.5 92 watts, University of the Fraser Valley. This grant subject to technical modifications. [station.
- BC Osoyoos 106.5 17 watts v, Tourist information/

- BC Ucluelet CIMM 99.5 180 h; -6 m, \$(tereo), r, hot AC, plus news and ethnic, McBride Communications & Media, Inc. [990 AM.
- MB Winnipeg CBW- *89.3 2800 h,v; to be parallel to/ 90.5 2800 h,v, French, \$, c, La Premiere Chaine, parallel to CKSB 1050 [1040 watts h,v, CBC Radio One NF Fermeuse (NE Trepassay near the coast) *104.3/ NF Glovertown CBNG *101.5 1280 h,v, CBC Radio One (moving from 1090 AM).
- NF Marystown *91.7 100000 h,v; \$, c, CBC Radio II
- NS New Glasgow CKEC 94.1 (moving from 1320 AM), \$, 37000 h, 208 m, d-a, fm format, aimed at ages 25-54 with additional specialty programming including country, Celtic and nostalgia, Hector Broadcasting. Three other applications were dismissed.
- NS Petit-de-Grat 104.1 \$, 5200 h,v; 106 m, "French language Type A community station," La Cooperative Radio Richmond Ltee. [tain Broadcasters.
- ON Chatham-Kent *89.3 16700 h,v, United Chris-/ ON Perth 88.1 1350 v (700 watts average ERP), 91 m, d-a, mr, \$, '50s-'70s pop hits, aimed at people over 40, Norm Wright and Brian Perkin. To serve an area south of Anprior, west of Smiths Falls that no other FM station serves with a 3 mv/m signal.
- ON Red Lake CKDR-5 97.1 420 h,v; 46 m, \$, relay of 92.9 Dryden except for 19 hours of local programming a week. Moving from 1340 AM.
- ON Sioux Lookout CKDR-2 97.1 560 h, 53 m, d-a, \$, relay of 92.9 Dryden except for 20 hours a week when local programming is to be on (from 1400 AM). [Ajax station.
- ON Toronto CJKX-2 95.9 85 watts h,v, Booster of/ ON Woodstock CIHR 104.7 6000 h,v; 100 m, d-a, r, \$(tereo), r ("somewhere between CHUM-FM 104.5 and CKFM 99.9 Toronto"), Bymes Media, *104.7 Heart FM.*
- PE Charlottetown 100000 h,v; 253 m, \$, active rock. But Newcap, Inc. must find a frequency other than 89.9, which is not available there.
- CFCY 95.1 73300 h,v; 179 m, d-a, \$, k, Maritime Broadcasting System, Ltd. Moving from 630 AM. Dismissed was Coast Broadcasting's application.
- CHTN 100.3 33000 h, 213 m, d-a, \$, o (classic hits and oldies), Newcap, Inc., moving from 720 AM.
- PQ Lebel-sur-Quevillon (N.E. Amos, E. La Sarré, S.E. Matagami, S.W. Waswanipi) 96.9 37 watts, Radio Matagami.
- PQ Quebec CJNG 89.7 16 watts v, 103 m, d-a, tourist station (English), La Radio Touristique de Quebec, Inc. [tique de Quebec, Inc.
- CKJF 90.3 16 watts v, 103 m, d-a, TISation, Touris-/ Dismissed was an application for 96.9 by Association D'eglises Baptistes.
- SK Blucher (Sunset Estates; near Saskatoon at 52-08-34; 106-25-50) CFAQ 100.3 36 watts h,v; 106 m, g, Christian music, Bertor Communications, Ltd.

- SK Hepburn VF2500 101.1 1 watt h, 9 m, Brenda Deimer. [540 Watrous SK.
- SK Saskatoon *94.1 4100 h,v, CBC, parallel to CBK/ VF2499 99.5 1 h, 5 m, John Moran
- NT Tsiigehtchic VR2498 90.5 10 watts v, -16 m, relay of CHON 98.1 Whitehorse YT.
- CRTC denials:** NB Edmundston 97.3 for a 1.4 watt station, which would have been parallel to CIEL 103.7 Riviere du Loup; Montreal 106.3—by Rene Ferron and 106.3—International Harvesters for Christ; PQ Saint Hyacinthe CFEI 106.5 for 33200 h,v and to relocate its transmitter.

Call Letters Assigned or Changed

- AL Littleville 103.5 WLAY-FM (WMXV), k, "Shoals Country"
- AL Tusculumbia 100.3 WQRV (WLAY-FM), o(IIdies)
- CO Eagle *90.9 K215EM (from K215KM)
- HI Honolulu *101.1 KXRG-LP
- IN Hamburg *91.1 W216BW (from W216BZ).
- KS Augusta 100.5 KZLN (KPLN), r, "Bob." From an Internet report: "Connoisseur" is back, and Jeff Warshaw buys Wichita's KTCM to pair with his auction-won FM. Jeff sold his earlier Connoisseur Stations for a bundle (mostly to Cumulus). Now he revives the name to pay Maria Salazar \$1.7 million for her "La Mexicana" KTCM. It's a Class C2 facility at 100.3 licensed to Kingman KS and it becomes big brother to a new FM that Warshaw won in the November Auction #37. That one's a Class A at 100.5 licensed to Augusta, KS. Some detective work led to the discovery that auction bidder "Bigglesworth" was actually Warshaw and partner Michael Driscoll. (Sounds like Jeff's addicted to the Austin Powers flicks.) Warshaw's still based in Westport CT and sounds as if he's ready to do it all again. Let's see what he does with regional Mexican KTCM when he takes over. And no—Connoisseur wasn't active in the Wichita market. So this is new ground for Warshaw. He's got some intriguing possibilities by controlling both 100.3 (KTCM) and 100.5 (KZLN, the auction FM). Broker: Michael Bergner.
- KS Manhattan *88.7 KYFA
- KY Shelbyville-Louisville 101.7 WLPP (WXTF), now Spanish, I. Owned with WHAS 840 Louisville, Clear Channel.
- MT Joliet 105.9 KPBR, k, \$, "The Bar" (referring to a drinking place). ID with Billings. KKBR 97.1 Billings is "The Bear." K291BB *106.1 in nearby Columbus MT remains licensed, despite KPBR its † () SCS gives the station slogan..
- MT Lockwood 106.7 KPLN (KZLN), still "Planet 106.7." Its † () SCS gives the station slogan.

OR Milton-Freewater 97.9 KZTB (KHTO), Spanish, sr, "Zorro FM," parallel to KZTA 96.9 Naches-Yakima WA. For about two weeks it was KMMG (see WA Benton City, below). Then, before KHTO, it was KOLW from 07-2003 to 10-2004. Later, KTHK from 09-1997, KLKY from 09-92, KLUB from 08-89, and KUDO from 04-1988.

OR Weston 101.9 KUJ (KMMG), j, smooth.

PA Boyertown 107.5 WFKB (WBYN-FM), op, "Frank FM, Reading." [still "V 105"]

TN St. Joseph 101.5 WMXV (WJOR-FM)/

TX Hempstead 105.3 KTWL (KEZB), r, adult hits, "Bob FM 105.3" (from "Lite Rock 105.3").

WA Benton City 96.7 KMMG (KZTB)

WY Cheyenne ("Eaton CO") *88.9 KKGK (KLCQ)

AB Bonnyville 101.3 CJEG (CKSA-1), facilities to 27000 h,v (115 m)

BC Squamish 88.1 VF2467

NB Saint John 88.9 CHNI (C.JNI-)

Facilities Changes Granted

AL Enterprise WDJR 96.9 316 m (100000 h,v)

AR Little Rock KDIS-FM 98.5 3000 h,v (95 m), re-move d-a (directional antenna)

CA Susanville KLZN 96.3 1500 h,v; -161 m

CO Cimarron K224DN 92.7 (from K223BG 92.5), h

CO Gypsum K259AC *99.7 to 250 watts h,v.

CO Rangely K271BD 102.1 (from K269ES 101.7), v (less than 100 watts as it had before)

K286BJ 105.1 (from K288FA 105.5), v, less than 100 watts.

DE Lewes W245BH *96.9 (from W242AQ 96.3), h,v

FL Deltona W246BO *97.1. Has WKTO 88.9 Edgewater FL. Serves the SW side of Deltona, while another WKTO translator there, W284AV *104.7, (changing from WJQB 106.3 Spring Hill), serves the E side of town.

W274AY *102.7 to 250 h,v.

W288BI *105.5 has WPIO *89.3 Titusville (from WJQB). Reception of WJQB would have been difficult with the new W292CQ *106.3 De Bary FL

FL Fort Myers WWGR 101.9 341 m (100000 h,v), C0

FL Groveland W274AX *102.7 to 120 watts h,v (from 170 h,v)

GA Carrollton W204BU *88.7 to v (from h,v)

GA Toccoa Falls WTXR *89.7 to h,v (adds v)

GA Whightsville WDBN is 107.9 (not 107.7 as shown last month, p. 1, col. 2). It had been on 107.5.

HI Kahului K257CQ 99.3 to 250 h,v; adding v(ertical).

HI Kahului (move from Lahaina) K269FL 101.7 (from K272CT 102.3), with KLHI 101.1 Lahaina (from KJKS 99.9 Kahului). Power to 150 h,v.

HI Maalaea K225BD 92.9 (from K224CG 92.7), 250 h,v (adding v).

HI Wailuku KKUA *90.7 56000 h,v; 779 m.

K297AC 107.3 to 250 h,v. Adds v(ertical).

ID Driggs KCHQ 101.9 (from 102.1) 100000 h,v; 595 m, Class C. Adds v(ertical).

IA Estherville K218EC *91.5 (from K201GA 88.1), 250 h,v

KS Chanute KFEX-LP *93.1 (from 97.7)

KS Haven (move from Hutchinson) KSKU 97.1 11500 h,v; 312 m, C2.

KY Erlanger WIZF 101.1 (from 100.9) 2500 h,v (155 m)

LA Shreveport KSCL *91.3 2600 h,v; 56 m (d-a)

MI Charlevoix WTCK *90.9 600 watts v, 201 m, d-a, with 63% power 40-110"

MN Fergus Falls K230AS *93.9 to 250 watts h,v.

MN Fisher (move from Thief River Falls) KSNR 100.3. Facilities unchanged.

MN Hutchinson K215DU *90.9 to 230 watts h,v.

MN New Ulm (move from Sleepy Eye) K270DJ

*101.9 (from K272DZ 102.3), 110 watts h,v

MS Madison (move from Jackson) WUSJ 96.3, C0

MS Petal WJNT-FM1 103.3 (from 103.9) 74 m (500 watts h,v), for nighttime use only (sunset-sunrise).

MO St. Joseph K273BF *102.5 to 170 watts v(ertical)

MT Kalispell KLKM *88.7 8500 h,v; 95 m

KBBZ 98.5 61000 h,v + beam tilt; 725 m.

NC Wilmington W238AV *95.5 to 120 watts h,v.

NE Lincoln KLNC 105.3 3200 h,v; 138 m

NE Norfolk KNEN 94.7 164 m (100000 h,v)

NM Los Alamos KZNM 106.7 43000 h,v +beam tilt; 592 m, d-a, with 71% power 230-0"

NY Binghamton W201CP *88.1 to h,v, less than 100 watts.

NC Jacksonville W266AV *101.1 to 120 watts h,v

OH Harrison WNLT *104.3 5600 h,v; 96 m

OR Portland KINK 101.9 97000 h,v + beam tilt; 441 m, C0

PA Wilkes-Barre WCLH *90.7 311 m (180 watts h,v)

TN Donelson WCRT-FM1 98.7 83 m, d-a with directional pattern not in FCC database) (75 watts h,v). Operates from sunset to sunrise only; but a reporter did hear a weak signal during the day,

coming in for almost 2 km, emitted from a dummy lead.

TN Coltwah WYTY-LP *99.7 ownership to "The Freedom Fund."

TX Beaumont KQXY 94.1 110 m (100000 h,v)

TX Corpus Christi KZFM 95.5 302 m (100000 h,v, d-a), C0

TX Plainview KSTQ 97.3 98300 h, 96300 v (228 m)

TX San Antonio KXTN 107.5 98000 h,v; 453 m, C0

VT Burlington W227AQ 93.3 has WNCS 104.7

Montpelier (from WUSX 93.7 Addison VT)

WA White Center K233BU *94.5 with KCFL-LP

104.5 Fall City (from KSVR 91.7 Mount Vernon)

WV Montgomery W252BF *98.3 250 h,v.

WV Williamson WXCC 96.5 56000 h,v; 374 m, C1, with transmitter in Kentucky.

WY Casper KWYY 95.5 591 m (100000 h,v)

KTRS-FM 104.7 554 m (18000 h,v)

WY Rock Springs K204EC *88.7 to v (from h,v), less than 100 watts.

PR Levittown WPLI *88.5 100 v, 21 m, no d-a, no horizontal.

AB Edmonton CIRK 235 m (100000 h,v)

BC Kelowna CILK 101.5 11000 h only, 114 m, d-a

NB Moncton *98.3 CBAL 67600 h, 31700 v; 211 m

NS Halifax CKUL 96.5 185 m (100000 watts), h,v; (adds v(ertical polarization)).

ON Haliburton CFZN 93.5 h only

ON Kitchener CIKZ 106.7 1700 h,v; 200 m (d-a)

ON London CHRW 94.9 2950 h,v (107 m, d-a)

ON Stella CJA1 93.7 h only

ON Toronto CFXJ 93.5 1060 h,v; 299 m (d-a)

PQ Lewis CFOM 102.9 14400 h,v (462 m, d-a)

PQ Montreal 100.1 250 h,v; 1 m, community stat replacing previous grant, La Radio Communautaire de LaSalle.

PQ St-Zenon CFNJ-1 88.9 1410 v, 177 m (d-a)

PQ Trois-Rivieres CFOU 89.1 3000 h,v; 43 m

SK Saskatoon CFCR 90.5 1630 h,v; 61 m, addin v(ertical)

YT Destruction Bay VF2147 98.1 5 watts v, -95 m d-a

Stereo—Or to Be Stereo

MA Scituate WSMA *90.5, g. Heard testing. Its transmitter is 32 km away—in Plymouth MA.

PQ La Rive Sud CHMP 98.5

Format Changes

Formats are the same as in the "FM Atlas"

AL Fort Rucker WJRL 103.9 r, adult hits, "My 103.1" (from "Thunder Rock 103.9").

AL Tuscaloosa WTUS-LP *103.3 (travel information)

DC Washington WBIG-FM 100.3 op, classic rock, "100" (from "Oldies 100"). Clear Channel's decision

move WBIG-FM from its familiar format seems curious in light of the station's recent financial performance. Although the station's ratings have dipped—it

had 2.6 percent of the local audience last quarter, compared with 3.2 percent a year ago, advertisers

paid a relatively big premium to reach those listeners according to a Washington Post article, WBIG-FM

ranked No. 10 among local stations in ad revenue last year, generating \$16.8 million, even though the stake

finished only in a tie for No. 16 among all listeners, according to BIA Financial Network, a media research

firm in Chantilly VA. WBIG-FM had the oldies niche to itself, but now faces competition from WARW 94.7

Bethesda MD, which has been the local classic static for years. And WARW, "The Arrow," had even lower

ratings than WBIG-FM, with a 1.7 percent share last quarter. "There's a concept in radio known as 'owning

the hill,' and WARW already owns the classic-rock hill," said Charlie Sison, a partner in Research Direc-

tor Inc., an Annapolis-based radio consulting firm. "I don't know what [WBIG-FM is] going to do to dis-

place them." WBIG-FM fan Matt Neufeld was even more emphatic about the loss of his favorite tunes:

"We're going to lose an entire library of music that no one else is playing," said Neufeld, 44, who lives in

Greenbelt. "It doesn't make sense. WBIG-FM [was] the only station playing that music. We already have a

classic rock station." But Jeff Kapugi, Clear Channel's regional vice president of programming, said the sta-

tion has its eyes on older music fans who were set adrift by the demise of contemporary music station

Z104 FM in January, and on talk-radio fans seeking a home since Howard Stern went to satellite ra-

dio. Under its new format, WBIG-FM will drop all its current on-air personalities, including morning team

Gary Murphy and Jessica Cash, and replace them within the next 90 days, Kapugi said. Until then,

he said, the station will have live deejays who will be "pretty anonymous." WBIG-FM's change follows man-

agement turnover at Clear Channel, the area's biggest station owner with eight outlets, including rocker DC

101, soft-rock WASH 97.1, sports-talk WTEM-AM and country music WMZQ 98.7. Kapugi arrived from Clear

Channel's operation in Tampa five weeks ago, and a new general manager of the group, Dave Pugh, came

from Detroit in February.

Page 3 KU Station's Tower Falls; Years ago KANU There Lost Its Tower April, 2006

IL Christopher WXLT 103.5 r, adult hits, "Jack FM 103.5" (from Real Rock The X").
 IA Sioux City KGLI 95.5 m, still "KG 95."
 MN North Mankato KDOG 96.7 o, classic hits, uses calls, "KDOG, K Dog."
 KY Whitesville WXCM 97.1 op, "97-X Rocks."
 NC Lumberton WLPB-FM "89.5 g, southern.
 PA Portage WLKJ "105.7 is gr, noncommercial.
 PA Port Matilda WKVB "107.9 gr, "K Love," with Educational Media Foundation ownership. Now noncommercial.

SC Darlington WDAR 105.5 m, still "Sunny 105.5."
 SC Scranton WWRK 102.9 o, classic hits, "The Point 102.9" (from "Rock 102.9").
 WA Fall City KCFL-LP "104.5 o(Iadies), from '55-'64
 WI Berlin WBJZ 104.7 r, hot AC plus the syndicated Kidd Kraddick show.
 WI De Pere-Green Bay WKSZ 95.9 r, current hits, "Kiss 96" (as was, from "Mlx 5.9").
 WI Marathon-Wausau-Stevens Point WKQH 104.9 k, "B 104.9" (from "Rock 104.9"). [97.3 The Brew.
 WI Milwaukee WQBW 97.3 r, adult hits, still "97.3/
 PQ Gatineau CFTX 96.5 sr (French), \$. Parallel to CFTX-1 107.5 Buckingham PQ.

On Air—Real Stations and Pirates (Selected)

CA Big Pine KRHV 93.3 890 h,v; 885 m, on the tower of KWTW "88.5 Bishop. This places its site 64 km north of its old location.
 LA Kenner-New Orleans WTKL 105.3 with music. No longer parallel to WWL 870 AM New Orleans, and back with full power after Hurricane Katrina. It had been 1 kw, then 5 kw, and now 96 kw.
 MN Sebeka KOPJ "89.3 has LifeTalk Radio Network, along with health tips on the hour by Vern Erickson, M.D., a member of the Park Rapids MN Seventh-day Adventist Church. It was received by son-in-law Pastor Dave Stuart of Jamestown ND and daughter Kristine, from Moorhead to Cromwell MN, on the way to Duluth. He visited media critic H.C. of Duluth before returning to ND. H.C. was recently in Laurel MS, helping members of a black church re-roof their houses. The volunteers from Minnesota were told of continuing race prejudice in Mississippi, with local whites wondered why the group helped black people, and not their own kind.
 MT Pinesdale KBQQ 106.7 completes its upgrade to 38000 h,v; 637 m, moved from McCall ID, CO.
 TN Lexington area—a 92.7 station with right wing talk. The site, www.americaslastdays.com/live, lists a "92.7 Tennessee" station without call letters or location. There's an 89.7 pirate in mono near North Branch MN, with "about the same stuff." Latter serves about an 11 km radius.
 TX Kermit-Midland-Odessa KERB-FM 105.7C3, having moved from 106.3. Now 23500 h,v; 84 m.
 VA Winchester WTRM "91.3 on with 5600 h,v; 427 m, directional.
 WI Antigo WZ31AS "94.1 with WGNV 88.5 Milladore.

Off Air—Or Not Yet On

KS Lawrence KJHK "90.7, with its tower collapsing. That's a historic tower, put up to accommodate the former KFKU "1250, which shared time with WREN Topeka. KJHK is expected to move to the tower of its larger sibling, KANU "91.5 Lawrence, in a couple of weeks. I remember in 1959-61 KANU was off the air, after its self-supporting tower on the Kansas

University campus came down. It was great to hear KANU return to the air after such a long hiatus; I lived in Manhattan KS at the time.
 MN Rochester "98.9 requesting KNLW calls from the New Life Worship Center. It wants my help in selecting equipment, specifying a new transmitter site.

Deletions

IN New Albany W205BT "88.9 CP cancelled.
 IA Estherville K221DO "92.1
 MI Three Oaks "106.7 permits cancelled: Three Oaks Business Association, Downtown Development Authority, and River Valley Ministerial Association. This leaves only the Harbor Arts 106.7 construction permit.
 UT Salt Lake City KYFO-1 "95., per licensee request.

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

CA Los Angeles KLSX 97.1 has so-called HD-2 with L.A. Dogers, parallel to the KFVB 980 AM feed.
 MI Charlevoix WKHQ 105.9 92 kHz to be Ave Maria Radio, a Catholic talk service. WLXT 96.3 Petoskey still †, C, a relay of WMKT 1270 AM Petoskey. Digital Radio Express is a company promising up to four stereo channels or eight monophonic channels on SCS, using a digital technology. "No need for HD Radio on this system, which is superior to HD," Brian Brachel, Charlevoix.
 MT Billings KBBB 103.7 † (), calls and song title.
 MT Hardin KMHK 95.5 † (), calls and song title
 MT Park City KWMY 92.5 † (), slogan.
 OH Akron WZIP "88.1 no †T, 67 kHz SCS. Under investigation by the Ohio attorney general's office, the area radio reading service for the blind has signed off. That leaves the blind and visually impaired in Summit and eight other northeast Ohio counties without a comparable community source for local news, magazines and books, according to a story in the Akron Beacon Journal. David Loyd, operations director for the Written Communications RadioService, said he's tying up loose ends in the cavernous East Market St. roller arcade that the agency bought several years ago for offices and fundraising. Many people have called to encourage the staff of three, but without money to pay bills and salaries, they had no option but to close, he said: "What are you supposed to do? You move on." Since last fall, the state has been examining WCRS' books and the way it conducted its twice-weekly bingo games, which drew about 300 people a night. Since the first of the year, the state has restrained the organization from selling instant bingo tickets that provided the meat of WCRS' income, Loyd said. Marcia Jonke, WCRS' founder and director, has said the organization may have made errors, but it was because the small staff didn't understand the rules. At WCRS, one of nine reading services in the state, as many as 100 volunteers recorded newspaper and magazine stories and ads and books for 24-hour-a-day broadcast. The station provided special SCS radios to about 6800 blind and sight-impaired listeners in Northeast Ohio. The radios could receive WCRS' signal, the subchannel of an FM radio signal operated by the University of Akron. Now WCRS' listeners will have to turn to more traditional radio or TV, or they may ask oth-

ers to read to them personally, said James Lenahan, executive director of the nonprofit Vision Support Services of Akron. Special aids are available to help those with low vision to magnify reading materials, he added. Quintella Strickland-Haggins, secretary of the Summit County chapter of the National Federation for the Blind, said her organization may look for ways to relaunch the radio service. It's needed," said the Akron resident, who is blind. "It was entertainment for those who cannot read."
 NS Halifax CJNI 95.7 † (), reading "NEWS 95.7"
 "I bought a radio from you several years ago and still use it to this very day. It works quite well and is probably my chief source of news and information. I don't know how much longer it will last and have decided to purchase another radio from you before you retire . . . Best regards to you and Carol. She is always so nice on the phone," J.W., Cleveland OH.

FMistakes, FM Atlas-20, FMedial

AL Florence 101.1 (not 101.5) translator (now WMXV) p. 34.
 AL Littleville WMXV (now WLAY-FM) 103.5 was "V 103.5" (not "B 103.5"), Mar. p. 2, col. 1.
 CO Palisade K256AD is "99.1, not "90.1," as shown p. 80.
 FL Ocala 92.9 is WMFQ, not "WNFQ," Mar. p. 3, col. 3.
 HI Honokowai (town misspelled p. 104), 96.7 KAOtt.
 KY Columbia WAIN-FM 93.5 is 61 m (not 671 m), with a primary coverage radius of 21 km. Mar. p. 1, col. 3.
 KY Fort Knox 105.5 WLVK—town misspelled p. 44 map.
 KY Louisville W250BF "97.9 should not be shown as W253AW 98.5 p. 152.
 MS Natchez "91.1 is WASM (not "WSM"), Mar. p. 1, col. 3.
 MT Great Falls K2958G "106.9's frequency was not right, Mar. p. 1, col. 3.
 SC New Ellenton 102.7 is WAJY, not "WGOR," Mar. p. 3, col. 3.
 MB Winnipeg CKMM 103.1. Coverage should read "61," not "561," p. 194.

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
 IA Decorah KDEC 100.5 no more "DC 100.5." Its rock is now more of an "adult alternative."
 WY Laramie KAIW "88.9 Air 1.
 BC Burnaby VF2448 107.9 "CFML" and "Evolution 107.9."
 BC Vancouver CKYE 93.1 Red FM, with ethnic (South Asian mainly, some of which is in English).
 ON Ottawa CJWL 98.5 The Jewel (strict, but call letters heard at :45 besides at top of hour).
 Format is b(eautiful) music, "elegant, of great appeal to the +35 demographic."



Selected AM Happenings

AL Talladega WNUZ 1230 was silent. Now black gospel.

FL Marianna WTOT 980 was standards. Now silent.

FL Miami-Fort Lauderdale WSRF 1580. Was silent.

Now ethnic, "Planet Radio 1580."

ID Payette KIOV 1450 was sports. Now silent.

IA Indianola KXLQ 1490 was Spanish. Now silent. See February, p. 6, col. 1 when it returned to the air.

MI Kingsley WLDR 1210—FCC denies move to Garfield Township, outside of Traverse City, because it would remove a community's sole broadcast service.

PA Jeannette WKFB 770 denied move to North Huntingdon, closer to Pittsburgh. It, too, would have removed a city's sole broadcast service in favor of another community. Pending is an application by co-owned WKHB 620 to move to Brentwood from Irwin.

TX Midland KPOE 880 deleted by the FCC. It held its construction permit three years, but never came on.

VA Martinsville WMVA 1450's tower was the site of a fatal accident involving a climber. Gregory Harrington of Long Island VA died and fellow climber Michael Hinsberger was critically injured. They were descending when their cable apparently broke, falling a distance of about nine meters. OSHA is investigating.

VA Warrenton WKCW 1420 now 22000 watts daytime (up from 10 kw), 60 watts night (up from 20 watts). Day power enables it to better reach Washington DC; an Arthur Liu Multicultural Broadcasting station.

PR San Juan WIPR *940 had been on low power after a hurricane hit, but now is completely off. It is working on acquiring a new site, and hopes to be on in about seven months.

ON North Bay CKAT 600 celebrates 75 years on the air. Its original calls were CFCH. Hundreds of people turned out for a party and to see an exhibit on the history of broadcasting in the North Bay market.

There was also an audio re-enactment of the 1931 sign on of CFCH. CKAT is part of a three-station Rogers grouping in North Bay.

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

AL Gurley (move from Meridianville) WXQW 94.1 710 h.v.; 288 m.

AR Gravette (move from South West City MO) 100.3A, KURM-FM. This would put its signal closer to Walmart's headquarters in Bentonville AR, as well as Rogers AR. Comments at the FCC by May 8, replies by May 23.

FL Fort Myers WWGR 101.9 341 m (100000 h.v). Lost its lease and wants the FCC to expedite this application to the WZVN TV-26 Naples FL tower.

LA—the FCC denies a four-station allocation shift in the western part of the state. [101.9 dismissed.]

MT Sleepy Eye K272DZ *102.3—application for/

NY Black River (move from Old Forge in the Adirondacks to closer to Watertown) 92.5A—unbuilt construction permit.

NY Granby (from Oswego) WTKV 105.5 application dismissed by the FCC. The allocations change has been approved, but the FCC ruled that WTKV would be one of nine stations owned by Galaxy Communications in the market. The stations are grandfathered, but only as long as none of the stations changes its city of license. Galaxy asked for a waiver, and argued that the FCC had already found

the move to be in the public interest by granting the allocations change. The Commission dismissed the application, which would have put the WTKV signal about 16 km closer to Syracuse.

OH Ripley WAOL 99.5 6600 h.v.; 194 m B1, site closer to Cincinnati, near Georgetown OH, directional antenna with a null toward WSCH 99.3A Aurora IN.

OK Waynoka 94.1C2 added.

OR Turner K228ET 93.5 seeks *92.9, h.v.

RI Ashaway WBLQ-LP *96.7 (from 96.9)

TX Comanche Trail K292FQ *106.3 250 watts h.v.

TX Denver City *97.5 stays noncommercial, but directional restriction against KSTQ 97.3C1 Plainview removed.

TX Hamilton 107.7 Added.

TX Krum KICM 93.7 50000 h.v.; 150 m, C2

TX Meyersville 100.1 Added: This causes KCYY San Antonio to be classified as 100.3C0 (from C). KTXM

99.9A stays in Hallettsville; dismissing a bid to move it to Yoakum.

TX Sulphur Springs KVVT-LP *94.9 (from 95.1)

VA Yorktown-Hampton WYCS *91.5 wants to build a

122-m tower in Newport News, near the city water tower, but it's been thwarted by the city planning commission. Then the city council voted for a new study, to be paid for by the city, according to the

Newport News Daily Press. The Christian station, owned with KNYD *90.5 Broken Arrow-Tulsa OK,

was found, in its study, not to cause problems for the water utility or a nearby airport.

WA Bellevue KASB *89.9 (from 89.3), 60 watts h.v.; 18

m, retains Class D status.

WA Gig Harbor K283AH *93.7 (from 104.5), h.v.

WA Mercer Island KMIH *88.9 (from 104.5), Class D.

WI Manitowoc WTSW-LP *96.3 (from 104.1).

WI Tomahawk 100.9C3 added.

WY Warren Air Force Base KMOR 92.9, moving from

Scottsbluff NE. Its original application to move to the tower of KKPL 99.9 Cheyenne proved too expensive.

Now it is proposing to use a communications tower just west of Cheyenne, with 33000 h.v.; 185 m. This would reduce its coverage toward Fort Collins CO.

AB High Prairie 92.1 400 h.v, parallel to CKYL 610

Peace River.

AB Peace River 94.9 2900 h.v, parallel to CKYL.

BC Kitimat *100.3 150 watts h.v.; CBC Radio II.

NF Bale Verte *95.5 49000 h.v.; CBC Radio II.

ON Cambridge CJDV 107.5 20000 h.v

ON Tillsonburg CKOT wants 107.3 15000 h.v. Earlier

wanted 104.7, but that was not available. Wants to

retain 1510 AM on a daytime-only basis to complement the new FM station.

ON Windsor *103.9 (from 107.9) 6000 h.v. The 107.9

frequency was "not suitable."

PQ Restigouche (Listugui) CFIC 105.1 760 h.v

FM As It Was—Or Might Have

Been: Massachusetts FM in the

'50s

WXHR 96.9 Boston, which I think began

life in Cambridge MA, wrote me July 31,

1959. It's now WTKK, "FM Talk," with some

jazz in stereo. T. F. Conley, program manager,

said they had also been heard in Montreal,

Quebec, and Little Rock AR, besides

Duluth MN. "We are situated on a

Duluth MN. "We are situated on a



small hill north of Boston in Woburn. Our antenna height is 600 feet and we radiate 20,000 watts from a 4-bay Collins antenna, which is in turn fed by a Federal transmitter.

"We have one of the largest collections of records in New England—all of them LPs and all of them in the concert repertoire. We began as an experimental station with the call W1XHR, and have managed to establish ourselves as one of the top FM stations in the United States." He mentioned writing a report for the *Boston Globe*. "I hope that good FM programming will soon be available in force in your areas as well as in ours."

WHA1 98.3 Greenfield MA, named for founder John W. Hagis. John W. Haigis, Jr., manager, wrote me July 17, 1951: Calls were then WHAI-FM (AM 1240 kc, 250 watts; FM 98.3 mc, 1000 watts). "It was very fine of you to write to tell us that you heard our FM station from such a distance. . . We are one of the few who still believe in FM as an answer to our problems of coverage in our local area, since our local channel, 1240 AM, is extremely overcrowded. We try to run a Class A operation and do not resort to the disc jockey approach of so many small stations. We are fortunate enough to be considered one of the outstanding small stations and are very proud of our reputation."

Expanded Band AMs Also

Want to Keep Their Original-Frequency Stations

There's a push to allow stations that moved to the expanded portion of the AM band (1620-1700) to keep both their new and old frequencies. In an application for authority to remain off the air temporarily, KYDZ/1180 (Bellevue-Omaha) states: "At this date, a number of expanded band licensees (including Waitcorp Investments, LLC/Waitt Omaha, LLC) are preparing a joint motion for stay of the five-year expanded band license period and a petition for rule making that would extend the license period in return for certain public interest commitments. There is reason to believe that these filings, which should be submitted within a matter of days, will receive serious Commission consideration." The KYDZ permit was given up after five years' operation in the expanded band.

The petition asks, specifically, for a sixth year that stations could be in both parts of the AM band. This would give the stations more time to find a small business that would buy them in a "distress sale." Distress sales were designed to increase minority ownerships, and typically went at 75 percent of the normal station selling price. Petitioners

include Clear Channel, Entercom, Waitt Radio, Multicultural Broadcasting and a few public interest groups, like Minority Media and Telecommunications Council. Ethnic stations seem especially threatened, according to the online publication Radio Journal (formerly M Street Radio Journal). Their new website is TheRadioJournal.com.

Small-Print Happenings and FM Industry News

Now so-called HD radio is becoming available to FM translators, according to a story from Radio World online. HD Radio is making itself felt with translators. Transmitter manufacturer Armstrong has introduced a line of FM translators designed for transitioning from analog to digital broadcast. The TRX-HD series can receive over-the-air HD signals and content information and relay them in HD. "The TRX-HD Series allows stations to operate their translators within the confines of their HD Radio licensing agreement because it does not take signal back down to baseband audio," said Armstrong Sales and Marketing Manager Ernie Belanger. The TRX-HD Series is available at three power levels. The TRX-HD10 provides 10 watts in the hybrid digital mode, the TRX-HD50 provides 50 hybrid digital watts and the TRX-HD100 is a 100-watt hybrid digital translator.

Satellite radio might have 37 million subscribers by 2010. That's the estimate of Jason Helfstein at the Kagan Radio-TV Summit. He predicts 2007 will be the "big year for satellite in cars" as automakers like Toyota and Nissan offer receivers in more models. Helfstein says national advertisers are beginning to take notice, though adoption of XM and Sirius is still happening more slowly than some observers expected. And Sirius has announced it has passed the 4 million mark in subscribers. Recent: SIRI 5.06, XMSR 21.59.

There is a "hold" on naming Rob McDowell as the third Republican to the Federal Communications Commission. Chairman Martin wants his three-person majority to move his agenda, such as newspaper-broadcast crossownership and solidifying IBOC rules (so-called "HD Radio"). The two Democrats, Copps and Adelstein, want public interest obligations in exchange for their approving new digital radio rules. Senator Jay Rockefeller (D-WV) has placed the hold on the McDowell nomination.

Also critical of the FCC is New York's attorney general Eliot Spitzer. It's "pay for play," the new word for the old "payola" which has interested him. Spitzer accuses FCC chairman Kevin Martin and his colleagues of negotiating "behind our backs" with four large radio groups he identified in last year's investigation of major CD companies.

Cumulus' application to acquire WPGG 93.1 Shalimar FL (moving from Evergreen

AL) is approved (see last month p. 5. col. 1). The old standard of one company having 70 percent of the market's advertising revenue is disregarded, despite protests from competitor Quantum Communications and the Media Access Project. The FCC told Quantum to use the courts for redress, which is what Frank Osborn's company is doing.

Helical Antenna Makes Satellite Reception Reliable and Easy is the title of an article in Electronic Design online by Louis E. Frenzel. Receiving a signal from a geosynchronous satellite 35,680 km out or a GPS satellite over 16,000 km away is a challenge. Big gain antennas usually are necessary. But that's just the opposite of what developers need for their handheld designs. Benefon's TWIG Discovery smart phone uses Sarantel's GeoHelix helical antenna in its full-blown GPS receiver and navigation system. This GSM cell phone with GPS targets security, personnel, and fleet management applications. The antenna makes GPS incorporation practical with uncompromised performance. Meanwhile, satellite radio receiver performance depends more on the antenna than the chip.

The GeoHelix's SkyTune design targets portable XM satellite radios. Samsung's and Pioneer's new XM2GO portable XM receivers use it to pick up satellite signals from almost anywhere. It offers the benefits of reduced size and 30 to 50 percent better performance over previously used conventional patch antennas. The Sarantel helix antenna comprises a four-conductor helix (quadrifilar) on a ceramic substrate. This high-dielectric base does a super job of constraining the near field to the antenna, so hands and faces won't detune the cell phone anymore. The helix is a balanced antenna, meaning that it does not need a ground plane for proper operation like the common patch antenna. The balanced design also offers the usual balanced benefits of common-mode noise reduction. The antenna has a circular polarization with a voltage standing-wave ratio (VSWR) of less than 2:1. A built in balun translates the balanced antenna to a standard 50-Ω single-ended output. Overall efficiency is over 25 percent, which is significantly higher than the 3 to 5 percent typical with patch and other types of portable antennas. Its high Q resonance limits its bandwidth, making the antenna a great bandpass filter that helps reduce noise and interference. And, its cardioid radiation pattern makes it virtually omnidirectional. The Sky Tune antenna is a cylinder that's 10 mm in diameter and 17 mm long. It comes with a variety of mounts. The various models can be checked out on the Sarantel Ltd. website at www.sarantel.com.

Finally, the WFUV *90.7 New York tower fiasco may be over. WFUV has gotten FCC approval for its new site about 3 km away atop the Montefiore Medical Center in Bronx. This clears the way for removal of the partly

constructed "eyesore" tower near the New York Botanical Garden next door. Demolition is expected to start soon.

Last month (p. 1, col. 3) it was reported little WKRB Brooklyn is moving to *90.3 from 90.7. It wanted to get away from WFUV's sidebands, and with the transmitter move of WFUV (see above paragraph), the interference would have been intolerable. Now the Kingsborough Community College's 10-watt station has WFUV and WFMU *91.1 East Orange NJ as two spots on the dial away. But it these 90.3 stations: WHPC Garden City NY, WHCR New York (another 10-watt Class D station), and WDFH Ossining.

Obituaries: Chester Coleman, 62, well-known broadcast broker and owner of several stations in the Anchorage AK market.

Lyle Robert Evans, 64, a Wisconsin broadcast engineer who helped several LPFMs, as well as being a station owner.

WAGI 105.3 Gaffney SC makes its move toward the Charlotte NC market. It has amended its application to put its antenna on the tower of WBAV 101.9 Gastonia NC on Crowder's Mountain. It would be a C0 with 100000 h,v; 308 m. When the station moved from Forest City NC to Gaffney several years ago, there was public opposition, which could again develop, even though no city of license change is requested. At last report, a petition to deny the application has been filed.

Owning several stations in Billings MT and other markets is Connoisseur Communications—and it's looking for more. Connoisseur's Jeff Warshaw enthusiastically responds to a story about how the selloffs by Citadel and others may play out. He thinks stations "should be in the hands of people who are excited about running them," like himself. He says Connoisseur's got the expertise and the capital and says if some operators aren't excited about the business: "We'll be happy to take those stations off their hands. Radio's problem is that people paid too much money, they've already cut promotions to nothing and they've cut people. . . It's time to do great radio and make the product interesting enough to be interesting to advertisers." He admits that radio's no longer a "double-digit business." But at reasonable station-buying levels it's still exciting (his favorite word). And for the brokers out there—Jeff's phone number in Westport is 203-227-1978.

Listeners came through for WCPE *89.7 Raleigh at the end of the year. Much of the budget deficiency was wiped out from the fall, 2005, fund drive. "Thank you so much! For helping us end 2005 almost in balance. Working against the \$155,000 deficit from the fall drive, we ended just \$30,000 shy of our \$1,800,000 annual goal," wrote g.m. Deborah S. Proctor. And a few months ago I mentioned the problem with aging guy wires. Well, that problem is about to be worked on. Those steel wires have been in

place 27 years, and newer cable is more long-lasting, with a better chance at standing up to wind and ice storms. "Each of the 21 guy cables is unique and must be custom built for our tower. End on end, they'll measure almost [6.4 km]. The cost is about \$240,000 but this isn't ordinary cable; it's also used for suspension bridges! If the spring pledge drive can top the goal, this is where extra gifts can do the best work—ensuring that our tower will have the best chance to withstand damaging ice and hurricane winds. I'd like to be able to make the down payment and get the guy wires ordered before this year ends and complete the work next spring," wrote Proctor in the classical station's program guide, *Quarter Notes*. WCPE is entirely listener-supported, and is available free to cable systems; as background to their "barker" and public service channels. WCPE is also available to home satellite and Internet users.

"The trip down to Mississippi was enjoyable because they were listening to CDs, but coming back was not enjoyable because they had FM on part of the time," H.C., Duluth MN.

The Canadian Radio-Television and Telecommunications Commission continues to lose patience with Aboriginal Voices Radio. The network has only one on-air station (CFIE 106.5 Toronto), but numerous unbuilt construction permits, such as 100.1 Montreal (since given over to another party), 95.7 Ottawa, 88.1 Calgary and Vancouver (850 AM and an application for 92.3 FM, both opposed by the CBC and Rogers Broadcasting). Now it says the latest extensions it granted will be its last. AVR has until September 1 for Montreal and June 30 for the other cities.

From the classifieds: RCA BTF 2-E1 FM transmitter, clean, works great \$3000 or best offer, Chris Wilk, 540-368-5026.

FM Forum

Contributions from Readers

Douglas Smith in Tennessee has a Boston Acoustics HD Radio, and as he types he's listening to WNRQ-HD2 (105.9 Nashville): A few early thoughts: I can't tell the difference between HD and regular FM. They both sound good but I can't tell one from the other. There are four HD stations in Nashville: WLAC 1510 AM; WPLN-FM 90.3; HD2 carries a schedule of classical music and talk programs, similar to the analog but different programs. They're running classical music, while the analog is running *Marketplace* and WPLN-AM is carrying *All Things Considered*. WVNS-FM 102.5 Pegasus TN: No HD2. Ironically their analog sounds better than the HD—I think they have a processing problem, the HD is "hissing its F's" which the analog isn't. No other station is doing this. WVNS' translator on 102.1 is not relaying the HD. WNRQ 105.9: HD2 is playing oldies (analog is classic rock) Ran a pile of Beatles, now they're into a variety of soul

classics. No announcements yet. You'd think they'd pick a format that wasn't already on a local analog station.

The Receptor HD comes with a built-in AM antenna and a short wire (about 46 cm) FM antenna. With the external loop, the Receptor HD is a usable AM radio. The radio will occasionally falsely blink the HD light on AM. With an external FM antenna, it gets all three HD FM stations listed above. There's a 3-bar signal strength indicator in the upper right.

The Receptor HD is a pretty decent analog FM radio. All the Kentucky analog stations I'd expect to hear are coming in well. Selectivity is quite good. The 107.3 station in Florence AL is coming in without even a hint of adjacent channel interference from local WRVW 107.5; 96.9 Paducah doing fairly well against local 97.1 even though the antenna is pointed closer to 97.1 than to Paducah. I've heard rumors that the AM selectivity is exceptional too, but with the poor sensitivity it's hard to tell. The radio has weak-signal muting on AM, and it can't be turned off. Strangely, it doesn't mute weak signals on FM! No hint of overload (even on the big antenna), but the closest station is at least 29 km away. It has RDS, PS and RT only. If a station has both RDS and HD (WVNS, for example) it only displays the HD info. The radio has a display mode button but that only switches between the frequency display and the time on HD stations and analog stations without RDS.

At least in theory, the HD exciter is supposed to contain a delay line that delays the analog audio to match the delay through the digital coding process. It appears that no station around here has got it completely right (but they're all pretty close). It is possible this is due to varying delays in receivers. The Receptor HD delays analog audio! I tune in an analog-only station on the Receptor HD, and there's a slight but perceptible delay in the Receptor's audio.

Once you find a HD station with multiple subchannels, a display shows that fact and allows you to tune the subchannels. The knob works backwards. If you turn it towards the arrow, the radio tunes to the next channel. If you turn it away from the arrow it selects the other HD subchannel. I'll get used to it some day. It takes roughly 5 seconds for the radio to lock in to an HD signal. If you've tuned to a HD simulcast of an analog signal. You'll hear the analog audio during the lockin period. (The only ways you can tell it's switched to HD are by the HD light on the display glowing steady [it blinks while it's trying to lock], or by the brief stutter if the analog and digital audio are not in sync.)

Strange. There's a little plastic box in the output side of the wall-wart that powers this thing. What's in it? The voltage/current marked on the wall-wart itself is the same as that called for on the back of the radio. My guess is RF from the (switching) power supply was interfering with AM reception and

they put additional filtering in the box. It has an "Aux" input (the manual shows it connected to an iPod) and a "Phones" output.

The set is tiny 10 cm tall, 19 cm wide, 15 cm deep, plus a second speaker. Oh, and the wall-wart, and the external filter box. It doesn't say whether the second speaker is right-channel or left. My gut feeling is that HD [long distance DX listening] will be quite possible. Anyway, that's probably more than you wanted to know.

Another person reviewing HD is René Tetro, Philadelphia, in the *VHF-UHF Digest*, Worldwide TV-FM DX Association.

Let me begin by saying that this is a good radio. The emphasis is on sound and not on the ability to tune in weak stations (either FM or AM), although the selectivity is acceptable for most situations. The sound quality, however, is very good, even with the small albeit somewhat bassy internal speakers. When connected to a stereo, however, its true audio performance comes out.

FM sensitivity is lacking. Even with an outside antenna it is difficult to pull in anything but local stations. For instance, there are several rim-shot FMs near Philadelphia that put respectable signals over my location in Lafayette Hill at the WFIL/WNTP (AM) transmitter site I tried two outside antennas. It worked slightly better on a Diamond DX-130 discone antenna, but even at that it was difficult to pull in rim-shots like WTHK (97.5 Trenton, moving to Burlington NJ), WFKB (107.5 Boyertown PA) and WJBR-FM (99.5 Wilmington DE).

The Receptor also had difficulty pulling in the second HD multicast channel on local WRTI (*90.1 Philadelphia), which runs less power than most of the major FMs, but whose transmitter is located with most others at the Roxborough antenna farm, about 6 km away. Likewise, when using the radio at my home in Lansdale, 23 km from Roxborough, reception of IBOC even on high power FMs was iffy with an outside antenna.

On the whole, however, I have to say that the FM IBOC is indeed superior-sounding to analog FM. When switching between the main FM analog channel and its IBOC counterpart, there is a marked difference in audio quality. The high end is largely much brighter and cleaner.

The audio on AM IBOC, as on the FM side, tends to be cleaner than analog, but I am not sure if that is a function of the IBOC itself, or merely the difference in audio processing because of the components in use. As in FM, the high end is also much cleaner in digital. These gains, however, seem to be negated by the noise and static that still exists. Overall, I would rate the radio as being adequate for local FM IBOC reception with an outside antenna, and OK for AM IBOC. My gut feeling about AM IBOC, now having experienced it, is that AM stereo was much better."

Until May,

Bruce F. Elving