

DX MONITOR

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DEVOTED EXCLUSIVELY TO BROADCAST BAND DXING

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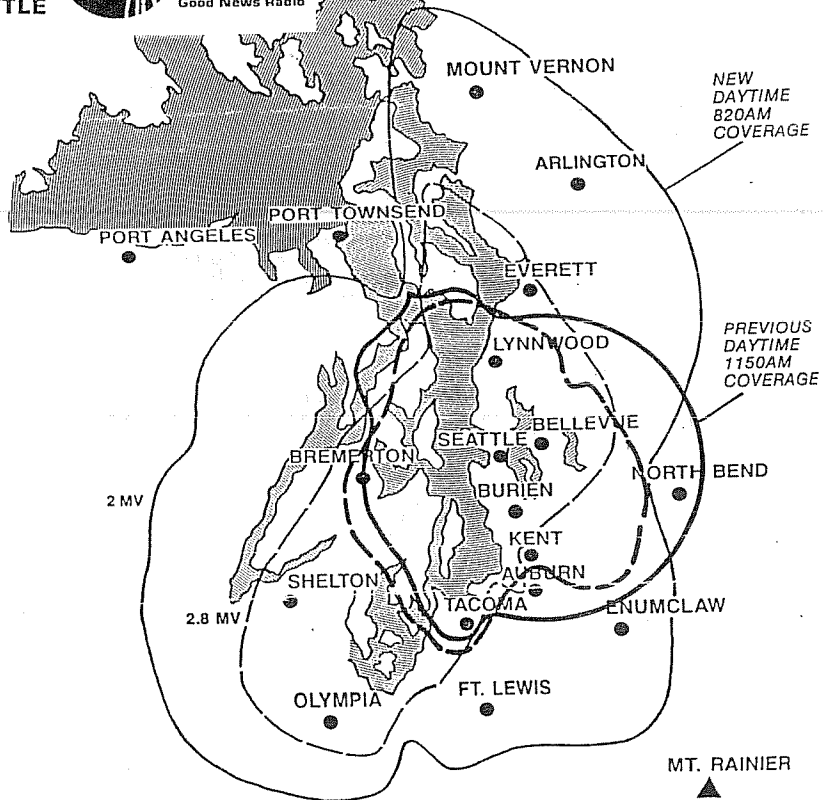
Edition WBBM

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DAYTIME / NIGHTTIME COVERAGE COMPARISON



2 MV Daytime coverage with 50,000 watts
 2.8 MV Nighttime coverage with 5,000 watts

News from Headquarters

Our Secretary-Treasurer, John Clemmer, is on vacation for 3 or 4 weeks. As a result, there may be a few delays in processing your membership renewals if you send them in between now and mid-March. So don't be alarmed if the word "renewal" is still circled on your address label, after you've renewed. Unfortunately, John tried to get the East Moline Post Office to forward the mail to Seattle while he was gone, but they wouldn't or couldn't oblige him.

The FCC has issued a notice of proposed rulemaking to allow "W" calls west of the Mississippi, and "K" calls to the east. The possible impact on call letter changes is mind-boggling! We'll keep you posted on that one.

KGW
SEATTLE

1150AM
Good News Radio

January 29, 1987

Mr Peter V. Taylor
2614 Jackson Street
San Francisco, CA 94115

Dear Mr Taylor:

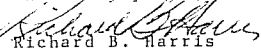
Thank you so much for your reception report on our new operation at 820 Khz. We are very pleased with the new coverage KGNW is enjoying over our old frequency at 1150 Khz. The enclosed marketing map will give you an idea of the improvement. Actually, the two SE nulls (day and night) are a little deeper than the map indicates, and this, of course, creates a little havoc with poor quality AM receivers.

However, in spite of the "hole" in our signal in that area, we are getting some rather fantastic positive reports. Lower British Columbia, for example, receives us well all day with the higher power. At night, we make it comfortably into Bellingham with the lower power.

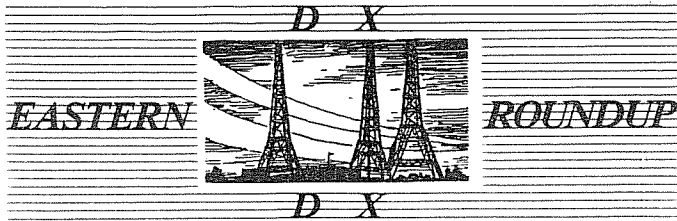
At the moment we are operating under an STA at reduced power: 43,675 watts in the day, and 2,415 watts at night. We were required to do a partial antenna proof by the FCC when we took over KQIN. That is now in their hands and we are awaiting their approval. That is due in about a week or ten days. At that time we'll boost daytime power into the antenna to 52,600 watts to produce a nominal output from the antenna of 50,000 watts. (Phasor losses, etc) Then at night we'll boost power into the antenna to 5,400 watts to produce the nominal 5,000 watts out of the antenna. Daytime improvement will be relatively insignificant, but the nighttime boost should improve things a lot.

We've already had other reports like your from Newport, Oregon, San Jose, California, and another from a listener 800 miles north of Vancouver, B.C. These, of course, were all people, like yourself, who do long distance listening. And we appreciate it here at KGNW.

Sincerely yours,


Richard B. Harris
Operations Manager

RBH/dh



EDITOR: Karl J. Zuk • 154 Old Post Road North • Croton-on-Hudson, NY 10520
Times are ELT

Welcome to another edition of your favorite DX column..Eastern DX Roundup. Reception seems to have shifted to the lower and middle portions of the band in the last few weeks. A landslide of loggings, as you'll see, in the 1100 region. Tim Kridel writes that he has been making the best of scraps left over from a closed circuit security camera set up by getting co-ax scraps and connectors for his shack. My shack is also built out of "Throw that junk out" left-overs from a few million installations all over the country! Thanks to Robert C. Ritchey for the nice note and get well card. Yes, fans, I am starting to get back on my feet. I can almost put my socks on without pain! Mike Brooker mentioned that he is also an editor for ODXA's medium wave column, and also his second time in that post. Some amazing loggings from Mike this week. And Robert Ross has been exercising his Sony 2010 with good results. Two pirates this week, too! Here are the tips!

- (MB-ON) Mike Brooker, 245 Old Forest Hill Road, Toronto, ON M6C 2H5
Panasonic RF-2200, Sony ICF-7600D
- (TK-NY) Tim Kridel, Box 147, Middle Island, NY 11953
Bearcat DX-1000 and lots of other good stuff
- (RCR-PA) Robert C. Ritchey, R.D.#1, Box 738, East Freedom, PA 16637
Realistic DX-160 and 100 foot longwire
- (RSR-ON) Robert S. Ross, VE3JFC, Box 4373, Station C, London, ON N5W 5J2
Sony 2010, Kenwood TS430S, 4 foot box loop, 100 foot longwire
- (KZ-NY) Karl "Beastmaster" Zuk, 154 Old Post Road North, Croton, NY 10520
Delco Car Radio, 10 foot antenna. DX-160 and 40 foot vertical
with ground system (only for pirate on 1625 kHz)
- 540 WDHV MD, Pocomoke City 1-9 1640 Weather and tides, ID "AM 54 WDMV."
Local ads and mention of Pocomoke City, good. (RCR-PA)
- 560 WJLS WV, Beckley. 12-19 1728 In over CFOS, Owen Sound, On, and WGR,
Buffalo, NY slop from 550 kHz, with song by BJ Thomas, YL ID and
announcement "It's 34 degrees in downtown Beckley," into local
news. (MB-ON)
- 560 CFOS ON, Owen Sound. 2-2 1730 ID as "It's 5:30, here's CFOS/ CFPS
news." In briefly atop WFIL, Philadelphia, PA (KZ-NY)
- 600 WKLW KY, Paintsville 1-12 0750 Oldies Rock music, musical ID "600
WKLW," back into rock music, ID at 0800 "Stereo 600 WKLW
Paintsville," fair to good. (RCR-PA)
- 600 WICC CT, Bridgeport 1-11 0037 Contest promo, ID Radio 60 WICC," into
rock music, fair. (RCR-PA)
- 610 WTVN OH, Columbus 2-2 1750 with records by Chicago and Madonna, male
DJ saying "Madonna on TVN." No WIP, Philadelphia, PA. (KZ-NY)
- 630 WPRO RI, Providence 1-9 1635 Weather, mention of Providence, ID "WPRO"
by man, into music by Sade, very good. (RCR-PA)
- 630 WEJL PA, Scranton. 1-14 1705 PA state news by man, mention of Scranton,
ID "WEJL," briefly fair. (RCR-PA)
- 640 WOI IA, Ames 12-29 1950 Good with business update, CBS news, stock
market report and NPR ID. (RSR-ON)
- 640 CFOB ON, Fort Frances 1-16 1800-1808 with news, "Borderland" weather,
local sports mentioning Ft.Frances Muskies Muskies vs. Atikokan
Voyageurs hockey game from the Atikokan Arena to be broadcast live
on CFOB, spot for Roche Fuel Oil into "Sports Flashback" with
Bob Costas, talking about Bob Feller's opening day no hitter in
1940, fair over WHLO, Akron, OH and Cuba. (MB-ON)
- 650 WKKQ MN, Hibbing 12-31 1700 Good with NBC news, local news, ads, weather
and ID as "WKKQ." In WSM, Nashville, TN null. (RSR-ON)



Eastern DX Roundup continues....

- 700 WCAT MA, Orange-Athol 1-16 1643 Heard OM ID "WCAT in Orange-Athol," Then mention of Athol High School (possibly a sports report) but disappeared under WLW, Cincinnati, OH and CFTR, 680 kHz, Toronto, ON crud. Very poor. (MB-ON)+1-7 1605 Local news, local ad, mention of Orange, PSA for high school meeting, ID "700 AM WCAT," rock music, fair. (RCR-PA)
- 710 CHYR ON, Leamington 1-1 2130 Very good with rock music, ID on the half hour. Now on 710 all night, no more CHYR-7 on 730 kHz. (RSR-ON)
- 730 WMTC KY, Vancleve 12-12 1704-1714 with news sponsored by Harris-Chevrolet-Buick in Jackson, KY, spot for Jackson Food Fair grocery store, 1708 program of local obituaries and funerals, but OM announcer was pleased that there were no funerals or obits to report, so he played 5 minutes of organ music (the kind one would hear at a funeral, hi!) spot for Variety Pizza, Kentucky State news, sign off at 1714, mentioning that station is owned by Kentucky Mountain Holiness Association, off w/no SSB, fair to good over usually dominant CKAC, Montreal, PQ. (MB-ON)
- 760 KMTL AR, Sherwood 12-8 1800-1801 Caught tail end of sports report, then sign off mentioning 10,000 watts of power and "throughout the day KMTL has been serving the people in our coverage area with the finest in religious programming...", played SSB, fair to poor in WJR, Detroit null. (MB-ON)
- 770 WJMW AL, Athens 12-3 1740-1746 ID as "Stereo 77 WJMW" into "True Blue" by Madonna, sports report at 1743, spot for Wilson Fabrics, 1746 ID "WJMW, playing more music than ever before," then disappeared with pattern change, was fair in WABC, New York, NY null before sudden power and/or pattern change at 1746. (MB-ON)
- 780 WABS VA, Arlington 1-4 1625 Fair with religious "Hour Of Freedom." ID as "Your Christian Radio Station, WABS." (RSR-ON)
- 800 WLAD CT, Danbury 12-5 1706-1708 with local news, spot for President's Council On Physical Fitness, fair to poor in CKLW, Windsor, ON null, but still had CJBQ, Belleville, ON to contend with. (MB-ON)
- 800 WSVS VA, Crewe 1-20 1741 with spot for Carpet House in Farmville, ID by OM "We play great country songs, Southside SVS...WSVS" into C&W song, good in CKLW, Windsor, ON null. (MB-ON)
- 820 WZYQ MD, Frederick 2-5 1700 Good with many "Z-104" IDs, FM rock format. Legal ID on the hour barely mentioned call. If you can't beat FM BE FM! ID also as "Hot Stereo Rock Z-104." Good. (KZ-NY)
- 870 KPRM MN, Park Rapids 12-31 1721 Very good with local ads, KPRM news brief, ID as "KPRM North Country Radio" Address given was Box 49. In WWL, New Orleans, LA null. (RSR-ON)
- 890 WLS IL, Chicago 12-29 1050 Noted testing with tones and growly sounding carrier, carrier cut off at 0153, but nothing noted except a weak LA (probably Cuba), noted back with tones at 0230. (MB-ON) (I heard Columbia, this time last year, during a WLS off-period-kz)
- 920 CKCY ON, Sault Saint Marie 12-11 1738-1741 with spot for Heritage Waterbeds, Labatt's Entertainment Guide, spot for Labatt's Blue (Perhaps Madonna's "True Blue" was inspired by this famous Canadian product, hi!)(You bet, hoser!-kz) ID and Soo weather into "Stand By Me," fair to good over usual 920 jumble. Must have scrapped construction permit for 540 kHz. (MB-ON)
- 920 CFLS PQ, Levis 12-11 1652 with spot for "Quelques arpents de pieges... edition jeunesse" the children's version of Trivial Pursuit. "Le quatre vingt douze, CFLS" ID jingle into sports report at 1654. Fair to good over CBO, Ottawa, ON, WHJJ, Providence, RI, and CKNX, Wingham, ON, etc. (MB-ON)
- 940 KIOA IA, Des Moines 12-31 1737 Poor with KIOA ID by OM and time check in a pile up. (RSR-ON)

More Eastern DX Roundup.....so don't touch those dials...yet!



Eastern DX Roundup continues....

- 960 WSBY MD, Salisbury 12-23 1758 with local news, ID "Currently 44 degrees in Salisbury, It's 6 o'Clock, Mutual News is next on WSBY Salisbury," into Mutual News, 1805 sports talk show "Let's Talk Sports," in fair to good with WFIR, Roanoke, VA nulled. Lost to WFIR at 1806. (MB-ON)
- 960 WELI CT, New Haven 12-30 1730 Noted in Mess over CFTJ, Cambridge, ON and CKWS, Kingston, ON, with spot for Continental Insurance, YL with local news, talking about the crime rate in New Haven for 1986. (MB-ON)
- 980 CKGM PQ, Montreal-Westmount 1-24 1800 ID as "The New 980 CKGM, commercial-free favorites of yesterday and today," into "Norwegian Wood" by The Beatles. Good in null of CFLP, 1000 kHz, Rimouski, PQ, WWRG, 980 kHz, Washington,DC, and CHEX, 980 kHz, Peterborough,ON. (MB-ON)
- 1030 WYSL NY, Avon. 1-25 0940-1005 with nostalgic Music Of Your Life music, into ID as "WYSL,Western New York's newest radio station," community bulletin board of local events, promo for ABC Talkradio, asked for listener's comments and suggestions, and gave address on air:Box 236, Avon, NY 14414. New station. Local news headlines, ABC news at 1000, PSA from Epilepsy Foundation Of America, also lded as "The New Home Of Nostalgic Music, Radio 1030, WYSL." Fair to poor on presumed ground wave overcoming combined CFRB, 1010 kHz, Toronto, and CHUM 1050 kHz, Toronto slop with WBZ, 1030 kHz, Boston, Ma nulled. (MB-ON)(WYSL calls were for a station on 1400 kHz from Buffalo, NY for years and years-kz)
- 1070 WINA VA, Charlottesville 12-20 0814 with World News Roundup from Christopher Glenn on CBS Network, then OM DJ said "Thanks, Chris... Good Morning from WINA" into local news, sports report at 0817 talking mostly about Virginia basketball. Was fair to good until lost to CHOK, Sarnia,ON and CHUM, 1050 kHz, Toronto,ON slop at 0819. (MB-ON)
- 1070 WKDR NY,Plattsburgh 1-4 1557 with message to read The Bible, from the Layman's National Bible Committee, into local news or talk show. ID as "Talkradio Plattsburgh,WKDR," signal fair at first but soon CHOKed by Sarnia. I heard this one in Montreal during '86 ANARC convention. (MB-ON)
- 1080 WEEP PA, Pittsburgh 12-10 1625-1648 with frequent IDs as "The Oldies Channel, 1080 AM, WEEP," lots of oldies, spot for "Beer World" Pennsylvania's largest beer and pop supermarket(even had Molson Golden "imported from Canada" at \$10.79 a case,) spot for Green Gate Mall on Route 30 west of Greensburg, spot for American Idea Management with toll-free 1-800-225-5800 number for new products and inventions, in fair to good in WTIC, Hartford,CT null.(MB-ON)
- 1080 WKGX NC,Lenoir 1-25 2100 on past sign off with emergency broadcast due to blizzard, played C&W music, at 2101 ID as "K-Country, WKGX" into long run of local closures and cancellations, mention of "emergency watch with 5,000 watts," good signal in WTIC, Hartford, CT null. Heard during half-time of Super Bowl XXI (MB-ON)
- 1090 WMUS MI, Muskegon 12-20 0824 Surfaced briefly over WBAL, Baltimore,MD with WMUS jingle, talk by OM DJ into "Snoopy's Christmas" by The Royal Guardsmen, poor then gone by 0825 (MB-ON)
- 1090 KAAV AR, Little Rock 1-5 1802 with promo for winter travel in Arkansas, spot for Physician's Weight Loss Center mentioning local phone number 221-1622, 1805 ID "Come take a trip on a good old gospel ship, 1090 KAAV Little Rock,"(Barf!-kz) into gospel music, Fair to poor in WBAL, Baltimore,MD null. Not heard since 1979. (MB-ON)
- 1100 WYKR VT, Wells River 12-16 1615 Caught sign off announcement mentioning "We operate on an assigned frequency of 1100 kHz with a 2 hour pre-sunrise power of 200 watts and a full daytime power of 5000 watts," off with SSB. Very poor under partially nulled WWWE, Cleveland, OH. Station is ex-1490. (MB-ON)
- 1110 WMBI IL, Chicago 1-10 1700 with Spanish ID by OM "Doble-vay, em, bee, ee, Chicago..Radio Esperanza" into Spanish music, poor in WBT, Charlotte, NC null. I thought ststions had to ID in English on the hour...anyway "esperanza" is Spanish for "hope," which would fit in with WMBI's religious format and it was too early to get any Latin Americans (conditions weren't too auroral anyway)(MB-ON)
- 1110 WSWF NY, Seneca Falls 12-19 1715 with local weather, spot for Bill Fox Chevrolet in Auburn, sports commentary on The Cleveland Browns. Fair to good in WBT, Charlotte, NC and CKJD, Sarnia, ON null.(MB-ON)

more! more! more! Eastern DX Roundup!

Eastern DX Roundup continues!

- 1120 KMOX MO, St.Louis 1-31 0507 Very good with WNEW, New York, NY slop from 1130 kHz. KMOX news with Eric Thomas and "Music and Musing" with Tony Orrin" with elevator music. (TK-NY)
- 1120 WKQW PA, Oil City 1-4 1749 Fair with soft rock music, ID by OM as "WKQW" then gone. In KMOX, St.Louis, MO null. (RSR-ON)
- 1120 WUST DC, Washington 1-10 1716 Sign off announcement by YL mentioning "The Gospel Spirit Of Washington...Good Night and God Bless," no SSB, good in KMOX null. (MB-ON)
- 1140 KSOO SD, Sioux Falls 1-15 1806 with end of ABC news, YL with state news, fair to good in WRVA, Richmond,VA null. (MB-ON)
- 1150 WCNX CT, Middletown 1-26 1530 Very good over UNID country station, maybe WQMR, Skowhegan,ME?, with pop music with DJ John Calhoun, and cancellations with John Parks. (1K-NY)
- 1150 WMEX MA, Boston 1-8 0130 Oldies rock music, ID,fair. (RCR-PA)
- 1170 WWVA WV, Wheeling 1-31 0405 Excellent with country music with DJ Rich Bierella, list of upcoming acts at Jamboree USA. (TK-NY)
- 1170 WBRW NJ, Bridgewater 1-26 1545 Fair to poor in mud, weak. 70's music, astronomy info with Joel Block, and AP news. No sign of Family Radio, WCTF, Vernon, CT. (TK-NY)
- 1170 KVOO OK, Tulsa 1-4 1800 Good with CNN news, ID as KVOO into C&W music. (RSR-ON)(nice-kz)
- 1190 WCBV VA, Bluefield 12-27 1650 with University of Virginia vs. St.John's basketball game. Later post-game interview with Virginia's coach. Very good to excellent in WOWO, Ft.Wayne, IN null, was parallel with WAGE, 1200 kHz, Leesburg, VA. (MB-ON)
- 1190 WOWO IN, Fort Wayne 1-31 0417 Excellent with adult contemporary format, usual "We make your day..WOWO" jingle ID, and WOWO news with Brian Walch. (TK-NY)
- 1210 WCAU PA, Philadelphia 1-26 1601 Poor with heavy WNNR, 1220 kHz, slop. CBS news, weather with Craig Allen, traffic with Walt McDonald, into call-in talk show "Speaking Of Your Money" with Harry Gross. They mentioned transmitter is located in Mooreston, NJ. (TK-NY)
- 1220 WGAR OH, Cleveland 1-31 0433 Fair to poor with country music. Many mentions of "FM 99.5," so probably simulcast of FM side. First time logged. (TK-NY)
- 1230 WBPZ PA, Lock Haven 1-4 0227 Fair with rock music, ID as "1230-WBPZ" into sports at 0230. Musical ID sung out. In a pileup. (RSR-ON)
- 1240 UNID 1-17 0433 Good with rock music program "Coast To Coast" with OM DJ. ID sounded like CFDK? Any help?(RSR-ON)(CFAK Atikokan,ON?-kz)
- 1260 WNDE IN, Indianapolis 1-12 0224 Promo for Guess Who concert, ID "Windy 1260 WNDE," into oldies rock, good.(RCR-PA) (The Guess Who is still around?? Last of the hippies...wow!-kz)
- 1280 WKST PA, New Castle 12-30 2055 Good with New Castle High School basketball. ID as "WKST" on the hour with news and weather by YL at half time. Slop from CJBK,1290kHz,London,ON. (RSR-ON)
- 1280 WYVE VA, Wytheville 12-29 1649 with "Roundball Report" college and professional basketball program, spot for Southern Virginia Ford Dealers, WYVE ID jingle into C&W type music, then gone under WADO's Spanish. Was fair to good at first. (MB-ON)
- 1280 WQZN ME, Gardiner 1-27 1610 Good, strong, and dominating channel with country music, then gone to UNID Spanish station (probably WADO, New York, NY-kz)Ex-WABK. (TK-NY)
- 1310 WTIK NC, Durham 1-10 1645 Spot for West Durham lumber, ID "You're listening to WTIK, 1310, Durham" into Virginia vs. Maryland basketball game. Fair over CFGM, 1320 kHz, Richmond Hill, ON slop and CIWW, Ottawa, ON. Don't know why a North Carolina station would have a Virginia or Maryland basketball game unless it was an ACC game of the week or there are other stations in Durham on the North Carolina Tarheels or NC State Wolfpack networks. (MB-ON)
- 1310 WVIP NY, Mt.Kisco 1-27 1638 Fair with local news, lost at 1645. (TK-NY) (look for this one on 2620 kHz...helluva signal here!-kz)

There's still more Eastern DX Roundup...so cancel those anchovy pizzas!

Eastern DX Roundup continues.....

- 1350 WOYK PA, York 1-31 0443 Fair to poor with Larry King show and guests Albert Brooks and Angie Dickinson. Mutual news and "Nightwatch" news with Wendy Williams, into 70's (?) music. (TK-NY)
- 1360 CJVL PQ, Saint Marie de Beauce 1-22 1716 with sports report, spot for O'Keefe, poor in WIXZ, McKeesport, PA null. (MB-ON)
- 1370 WJWS VA, South Hill 12-24 1640-1655 with spot for Kenbridge Manufacturing and Supply Company (hardware store), ID and DJ talk into a C&W version of Silent Night, 1643 spot for South Virginia Ford dealers (similar to the Ford spot I heard on WYVE, 1280 kHz, Wytheville, VA. Sports report, spot for Newman's Grocery in South Hill. Fair and generally overcoming a jumble of stations. (MB-ON)
- 1370 WELV NY, Ellenville 12-24 1630 with instrumental version of God Rest Ye Merry Gentlemen, YL ID into local news, poor and soon buried under pest WKMC, Roaring Spring, PA
- 1390 WRSC PA, State College 12-31 1720-1730 with spots for Steven's Motel and P.A. Frost Insurance Agency, "Lion Country Accu-weather" local weather, Wall Street Report from Dean Witter, spot for WTBS Superstation into "Nittany Lions Profile," talking about (what else?) Penn State's upcoming national championship game vs. Miami, fair in WFMJ, Youngstown, OH null. (MB-ON)
- 1470 WKKW PA, Allentown 1-28 2004 Fair with country music and jingle ID "1470-WKKW. Ex-WSAN. (TK-NY)
- 1470 WQSN MI, Kalamazoo 1-20 1627 with C&W song, talk by OM DJ, giving ID and local weather, spot for Greater Michigan Ford Dealers. Poor in null of CHOW, Welland, ON. (MB-ON)
- 1510 WMRE MA, Boston. If I haven't mentioned this already, WMRE was granted an extension of their current format by the new owners and most everyone kept their job. They are still on the air from their old transmitter site, waiting to arrange a new site and construction ASAP. They seem to sign off nightly at midnight ELT. Stay tuned for more news, the frequency is fairly good for DXing after they depart. (KZ-NY)
- 1510 WAHT PA, Annville-Cleona-Lebanon 12-21 1230-1248 with local news, promo for Christmas concert at Lebanon High, ID as "All The Oldies, All The Time..WAHT." into "Don't Be Cruel" by Elvis Presley, spot for Murphy's Gift Shop, DJ talk mentioning 273-8073 request line into song "Key Largo." Fair daytime signal, faded under CKOT, Tillsonburg, ON by 1248 (MB-ON)
- 1560 KKAA SD, Aberdeen. 1-12 0130 with country song by Ronnie Milsap, ID as "KK Double A," weather. Weak. (RCR-PA)(nice-kz)
- 1570 WPGM PA, Danville 12-16 1700 with end of "Hour Of Song" religious program, ID by OM "At 5 o'clock, you're listening to WPGM and WPGM FM in Danville" into UPI news. Was coming in good until buried by CFOR, home of Miss Orilla, ON, at 1703. (MB-ON)
- 1619 UNID 1-27 1950 Good to fair with reggae or Jamaican music. Off abruptly in middle of song at 2013. Probably pirate (probably?!-kz) possibly WENJ. Best on NW-SE longwire, so probably from the city (THE city...like NYC?-kz) with WENJ possibly standing for Eastern New Jersey. Not WHOT, eventhough 1620 kHz is their frequency, because they always ID. Maybe WHOT is now WENJ??(TK-NY)
- 1625aWJUE 2-9 0020-0050 Poor, barely readable with top 40 (songs like "Captain Of Her Heart" and "Mandolin Rain", etc..) Lots of fading, muffled bad mic. on YM announcer. Transmitter on and off randomly. Lots of atmospheric interference. ID as "Your station for the greatest hits of all time..WJUE." Call uncertain. Needed every ounce of signal I could get for this one. Gone suddenly at 0050. (KZ-NY)

.....
That's all folks! I recently got a postcard from the legendary Robert Wién about my UNID on 570 under WMCA, NY NY, with the CBS news theme on the hour. He guesses that it is probably WKBN, Youngstown, OH. Thanks alot, Bob! I will continue to follow-up on this and see if I can get a real ID. I also recently put up a forty foot vertical to use for long wave reception, and I've found it is pretty good for BCB, too. A totally different pick-up pattern, The low angle of pickup is very obvious with lots of intermediate distance stations being nulled out for the first time by long distance sky wave, so I presume. I worked 5 LW TAs just last night. Please continue to send in your excellent tips, everyone. It is a pleasure reading this stuff! Thanks to Tim Kridel for the station logos in this issue!-73 de KZ

CENTRAL DX ROUNDUP

John C. Johnson 979 Neptune Boulevard Billings, Montana 59105-2129
All times are Eastern. Deadline: Tuesdays
[TMJ] = Tom Jasinski, 503 Jensen Street, Shorewood, Illinois 60436
FRG-7, 2 1/2 foot loop.

[JCJ] = Your editor using an ICOM IC-R71A with a Radio West Loop.

740 KSSS CO Colorado Springs, 2/1 poor o/KRMG. 0435 w/ID and mention of request line. [TMJ-IL] (as per station, 1/29 one tower was cut down by vandals! Night pattern was altered. They expected to be back to normal pattern by 2/13. John.)

1290 KVIX OR Lake Oswego, 2/15 good briefly mixed w/KHSL. KOWB nulled. EX-KMJK. 2030 w/end of radio drama. Promo for Winter Hawks hockey at 2040. ID "KVIX AM 12-90". OR#36. [JCJ-MT]

560 WEBC MN Duluth-Hibbing, 2/4 good in WIND null. 0600-0730 w/rock mx: "on 56 WEBC favorites of yesterday and today". [TMJ-IL]

880 KIKR TX Conroe, 2/3 good w/WCBS, WLS splatter. 1912-1922 w/traffic report, local spots, "AM 8-80 KIKR" IDs. [TMJ-IL]

1000 KTOK OK Oklahoma City, 2/2 strongest ever in WCFL null. 1945 with sports talk. Usually very weak and heard well only with WCFL off. [TMJ-IL] (Much stronger here too lately. Anyone know why? Power increase? Pattern change? John)

1120 WDUF VA Duffield, 2/2 good in KMDX null after WYND s/off. 1801 w/mention "Don't touch that dial, stay tuned to Blue Grass & Gospel music on WDUF." Lost to KMDX at 1812. [TMJ-IL]

WYND OH Neilsonville, 2/2 excellent in KMDX null. 1759 with sign off. [TMJ-IL]

1160 WKCM KY Hawesville, Tentative. 2/3 in briefly o/WAMB & KSL in WJJD null. 2003 w/local news items for Hancock County. [TMJ-IL]

1190 KNBA CA Vallejo, 2/13 briefly o/KEX fade, CFSL nulled. 1056 w/KNBA Valentine's promo, into music. New for me, CA#94. [JCJ-MT]

1290 KZBQ ID Pocatello, 2/16 good mix w/KGVO, KOWB nulled. 0800 with Satellite Network News (Not listed in IRCA Almanac). ID as "KZBQ AM, KZBQ FM" & "Country Q". C&W mx. ID#31. [JCJ-MT]

1330 KWLO IA Waterloo, 2/17 weak to good o/uKFH. No KOVE. 0400 w/NBC Nx, C&W mx, ID "13-30, KWLO". New for me, IA#30. [JCJ-MT]

1400 WFOR MS Hattiesburg, 2/8 poor, surfaced o/GY mess briefly. 0211 w/ID "WFOR Country Boss radio in South Mississippi" [TMJ-IL]

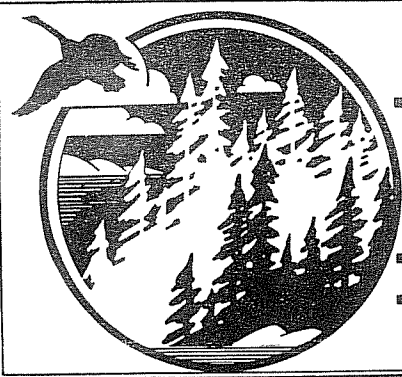
1560 WAGL SC Lancaster, 2/1 o/WPAD. 1815 w/s/off & "America". [TMJ-IL]

Be sure the one who is holding you back is not yourself. Thanks to Tom we have a column this week! 73s, John.

A. N. A. R. C. REPORT -- By: Albert S. Lobel
February 1987

Since my last A.N.A.R.C. report a new executive secretary has taken over for A.N.A.R.C. His name is Donald M. Hosmer. Don wants to know exactly what he can do to make A.N.A.R.C. better serve the needs of all clubs. This is exactly what I have been asking the I.R.C.A. Membership to let me know in past A.N.A.R.C. reports that I have written. Come on! let me know! I will relay your opinions to Donald and together we will both see what we can do to make A.N.A.R.C. serve the Membership of I.R.C.A. better. A.N.A.R.C. is interested in all clubs and really wants to help all clubs but needs your comments and support. Send your comments directly to me and I will forward them to the right places in A.N.A.R.C. You can send those comments to: Albert S. Lobel, Post Office Box 26762, San Diego, CA USA 92126. If you'd like a personal answer let me know and there is no need for any self addressed stamped envelope to be included. I'll gladly pay the postage for my reply to you.

Until the next A.N.A.R.C Report . . . 73 and good DX to I.R.C.A.'ers, Albert.



WESTERN DX ROUNDUP

2301 PACIFIC AVE., ABERDEEN WA 98520

To phone in WDXR tips: (206)532-6827

DEADLINES: Tuesdays March 3, March 10 (anniv. issue), March 31, April 14

REPORTERS FOR THIS ISSUE:

- (BB) Bill Block-9307 S.E. Clay-Portland, OR 97216
R-390A, Radio West loop
- (BH) Bill Hardy-2301 Pacific Ave.-Aberdeen, WA 98520
FRG-7, Radio West loop
- (RH) Rob Harrington-P.O. Box 21564-Denver, CO 80221
- (GL) Gary Larson-2806 Lincoln-Burbank, CA 91504
Sony AM/FM recorder
- (BN) Bill Nittler-P.O. Box 824-Mancos, CO 81328
- (PT) Pete Taylor-2614 Jackson St.-San Francisco, CA 94115
- (RW) Robert Wien-1309 Dentwood Dr.-San Jose, CA 95118
GE Superadio, GE long-range portable, SM-2

OF SPECIAL INTEREST:

- 650 KUUY WY, Orchard Valley heard on new freq. 2/10 1300 very strong. Phoned KUUY, they moved from 870 2/9 at 1400. They are at half power for the next few days, and plan to be at full power 8600/1000 by 2/16/87. Phone numbers are (307)637-5889 & (307)632-0551. (RH-CO)
- 1270 KZZX NM, Alamagordo KINN-FM 105.5 ID 2/6 1940 into pop music & then s/off using KZZX calls at 1945, giving PSA as 500 & day power of 1kw. Ex-KINN. (BN-CO)
- 1380 KHJJ CA, Lancaster-Palmdale 2/9 0945-1000 good way o/KTOM with KEEN nulled. ID as "KHJ-1380 AM," several local spots. ID on hour as "This is KHJ news, on KHJJ, Lancaster." Wonder if they're trying to pick up old KHJ listeners?? Call change ex-KOTE. (RW-CA)
- *****
- 540 KSHO CA, Hesperia 2/8 2102 full data s/off with address "...comments or questions should be directed to KSHO, 10880 Wickshire Blvd., Los Angeles, CA 90024, or our business office Monday-Friday (619)244-1540." Played title music to Star Trek 4 at about 2037. Haven't heard detailed s/off before--they used to just say legal ID then carrier off a few seconds later. (GL-CA)
- 640 KNAK UT, Delta 2/14 0900 noted at s/on under CBK. (BB-OR)
- 40 KGVW MT, Belgrade 2/13 2224 fairly good in KFI null, ad for Penney's in nearby Bozeman, extended weather forecast for snow, Mountain time check, "41" at KGVW, DJ introduction to music. New. (BH)
- 700 KGRV OR, Winston 1/18 2000 annct. of power reduction saying most of listeners would lose them. Well o/KFAM. (BN-CO)
- 720 KSAH TX, Universal City "Radio Festival" IDs 1/19 1940-2000. No calls or EE ID on hour but many mentions of San Antonio. (BN)
- 770 CKQR AB, Calgary "QR Stereo 77" 2315 & several ads o/KKOB for 3 minutes 1/27 for real surprise. (BN-CO)
- 860 KUTR UT, Salt Lake City now topping freq. most evenings with oldies, first noted 1/26 2200. (BN-CO)
- 890 CJDC BC, Dawson Creek per call to CJDC, has moved to 890 kHz with 10,000/10,000, currently "not 24 hours, but we hope to be soon." Moved "about 10 days ago" (approx. Jan. 30). (RW-CA)
- 1000 KKMx CO, Hayden 2/3 2230 weather & ID on top of freq. with rock music. Don't know s/off. (BN-CO)
- 1080 CKSA AB, Lloydminster 2/2 o/KRLD 2220 with ad for benefit hockey game and "1080 CKSA" ID and rock music. (BN-CO)
- 1210 WCAU PA, Philadelphia 2/9 0529 best signal ever on this one. Way o/KASY/KPRZ with stock market report. (RW-CA)

- 1250 KNEU UT, Roosevelt 2/5 C&W over WREN past 2200, several ID's and ads. (BN-CO)
- 1290 ?KVIX? OR, Lake Oswego 2/9 0541 tent. with MYL very weak in KMEN/KCUB null. Someone also in there with CBS news (KGVO?), heavy KMPS-1300 slop. (RW-CA)
- 1340 ?KSGT? WY, Jackson apparently one with WY highway report & ad for Jackson Hole AMOCO 1/23 0935. Last station in WY needed. (BN)
- 1450 (KMKR) CO, Meeker completely off air on 12/24 & 12/28 when I drove both ways through town on trip to Rawlins. (BN-CO)
- 1460 KKOA NE, Kearney 2/6 1840 "Oldies Channel AM-1460 KKOA" in clear. (BN)
- 1550 KQWB ND, Fargo 2/9 0624 best signal ever on this one, totally crushing everything on frequency with Fargo business report, "KQWB AM Satellite Weather," currently 24⁵ at KQWB 1550 AM. "(RW-CA)
- 1590 (KLIV) CA, San Jose 2/9 0500 totally off again, 1590 wide open! (RW-CA)
- 1600 KEED OR, Eugene 2/9 0424 way down in mess u/KWOW/KGST with "16 Keed" (phonetic) ID. KWOW not KMNY yet! (RW-CA)

ID'ing an unID:

- 970 In Feb. 7 WDXR, unID Spanish was reported. KVIM is SS, but I am surprised you pulled them through the other two Californians. I presume you heard them at 1924 EST day pattern. At night, they are barely audible in Palm Springs. (PT-CA) (Thanks for the information, Pete. I'll have to listen to the tape again to see if I can hear any Coachella mentions. I've heard Bakersfield a few times and Modesto many times at SSS. Four or five years ago I thought I had KCHV (now KVIM) but nothing definite. I'll keep trying!--NH)

UNIDs:

- 990 2/9 0306 weak in KBLS null, KKIS off. ID "The best music of the 60's, 70's and 80's," into song "Where The Boys Are." KTKT? (RW-CA)
- 1590 2/9 0609 fading up o/KOGO, Larry King with weather forecast "and for the mountains of West Virginia, 3 inches of snow..." Could be WAKR, no 1590 stations in WV. WQXR blasting in at the time! (RW-CA)
- 1600 2/9 0445 with talk about the Bible and God poking through mess. KBEX? They were granted 5000/1000 quite a while back, are they NSP? (RW-CA)

I hope that everyone is madly DX'ing so they'll have something to contribute to the anniversary issue WDXR!!! ♡

FREE MEMBERSHIP

We all want to see IRCA grow in size. One way to help this happen is to give you an incentive to find new members. And that's exactly what we're doing. Beginning immediately, the IRCA will give a year's free membership to any member who is responsible for bringing in four or more club members within a particular time period. Here's how it works.

The new members can fall into any of the following categories:

- You persuade a friend to join IRCA
- You give the person a gift membership
- You send us a list of people you know (or know of) who are interested in broadcast band DXing. We'll send them a sample and if they join, you get credit
- You visit a local radio station, get names of persons who have sent them reception reports, and send us the list. We'll send them a sample DXM. If they join, you get the credit.

Sending a list of names off of another club's membership list is a definite no-no, however.

Other rules: This promotion will run until June 1, 1987. The persons must join before that date. (We may, however, extend the deadline depending on how things turn out).....If a person joins as a trial member (10 issues) or something between that and a full year, it counts as half a person. Anything less than ten issues doesn't count.....If someone joins at your persuasion, be sure to let us know so we can give credit where it's due.....the new members must be person who have not been IRCA members for at least a year..... other rules may be announced in the future; if they are, they'll apply to everyone.

Here's your chance to help us become the fastest-growing DX club around, and your chance to let others find out about the benefits of IRCA membership.

DX Worldwide - West



PAT MARTIN

P.O. BOX 843

DEADLINES: 3/3, 3/10, 3/17, 3/24

SEASIDE, OR 97138

Time: UTC phone (503) 861-3185

Not much to report this week. Apparently no one out there is hearing much. Conditions seem to have improved a little on 2/17. From the NZRDXL came some interesting news that in an interview on Radio Australia, Gordon Darling of the "Talkback" program had researched reception patterns around the minima and found that two years after were the best. So lets hope he is right. I did find DUs quite good during the high Sunspot cycle and the TPs including Philippines and Thailand to be heard a couple years after. So maybe things will start to improve in 87 or 88. So on with my report:

PAN-AMERICAN DX ROUNDUP

- 535 t GRENADA, possibly the one with old Christian mx (Hymns) at 1020 on 2/17. Too weak to tell for sure but not much else listed. (PM-OR)
- 595 t DOMINICA, while looking around for them, heard a carrier come on around 0953 on 2/17. Sounded like weak mx (opening?) at 1000, but soon faded into mud. Dominica only thing listed, but will keep checking. (PM-OR)
- 1165 ANTIGUA, St. Johns-Caribbean Radio Lighthouse-Good w/opening to Rel. pgm at 1030 on 2/17. Best hrd so far. (PM-OR)
- 1610 ANGUILLA, The Valley-Caribbean Beacon-Vy good w/Rel. pgm at 0939 on 2/17. (PM-OR)

TRANS-PACIFIC DX ROUNDUP

- 531 AUSTRALIA, West Kempsey-2MC, fair w/rr mx o/JJ at 0915 2/17. (PM-OR)
- JAPAN, Morioka-J00G, fair w/JJ talk u/2MC at 0915 on 2/17. (PM-OR)
- 549 JAPAN, Maha, Okinawa -J0AP // w/J00G-531, strong het on KMVI at 0916 on 2/17. (PM-OR)
- 567 JAPAN, Sapporo-J0IK, also w/JJ talk // 549, 531 on 2/17 0918. (PM-OR)
- 594 JAPAN, Tokyo-J0AK // 567, in like "Ton of Bricks" should be for 300KW, but the JJs just haven't had the Pop this year, except on rare occasions, this at 0919 on 2/17. (PM-OR)
- 648 AMERICAN SAMOA, Pago Pago-WVUV, about the best station from the Pacific on 2/17 w/1098 about second best, which was odd. Fiji was not even making much of a showing. WVUV w/female ancr in EE w/rr mx, tcs, etc. at 0922 on 2/17. (PM-OR)
- 666 t NEW CALEDONIA, Noumea-FR3, presume the source of the weak talk, which sounded FF, but too much 660 splash and ABC talk underneath presume 2CN at 0904 2/17. (PM-OR)
- 684 FIJI, Labassa-Radio Fiji, fair w/Fijian talk in KNBR splash at 0835 on 2/17. (PM-OR)
- 693 JAPAN, Tokyo-J0AB, good w/lang. lessons at 0940 on 2/17, about equal w/594. (PM-OR)
- 702 JAPAN, Synchros, here w/JJ talk // 693 w/lessons at 0941 2/17 (PM)
- 720 UNID, someone really off freq. possibly USSR or Hawaii, really causing a strong hum all night 2/17. (PM-OR)
- 729 JAPAN, Nagoya-J0CK, good and alone from 730 QRM, w/man in JJ in passing several times, noted at 0950 2/17. (PM-OR)
- 747 JAPAN, Sapporo-J0IB-weak and in lang. lessons at 0943 2/17, this is much weaker than it used to be, even w/KXL in the mud. 594 and 693 seem to be the real powerhouses this year here. (PM-OR)
- 774 JAPAN, Akita-J0UB also // 747 w/lessons at 0945 2/17. (PM-OR)
- 792 AUSTRALIA, Brisbane-40G, noted w/Concert mx, while looking for South Korea also listed at 1009 2/17. (PM-OR)
- 828 JAPAN, Osaka-J0BB, another station is weak this year, while like a powerhouse in the past, noted at 1034 2/17. (PM-OR)
- 837 JAPAN/ AUSTRALIA, J0QK/4RK both mixing here in passing at 0847 2/17. JJ talk and Jazz. (PM-OR)
- 846 JAPAN, JJ talk in passing, several listed at 0955 2/17. (PM-OR)
- 891 JAPAN/FIJI/AUSTRALIA/KOREA, a real mess here at 0838 2/17, one time JJ would surface, followed by Fiji (Normally on top, then 4AY, and occ. The Korean. (PM-OR)

- 945 t SOLOMON ISLANDS, Gizo-possibly the one w/weak Island mx, but soon faded, before I could hear much. 940 splash at 0815 2/17. (PM-OR)
- 1008 NEW ZEALAND, Tauranga-1ZD-good w/Pop mx at 1049 2/17, o/JJ (JOHR), soon faded into mud and 1010 splash. (PM-OR)
- 1017 TONGA, Nuku'Alofa-fair in splash w/woman in presume Tonganese, at 0823 2/17. (PM-OR)
- 1035 NEW ZEALAND, Wellington-2ZB // 1008 w/Pop tunes in passing at 1050 2/17. (PM-OR)
- 1044 NEW ZEALAND, Dunedin-4ZB-// 1035, but much weaker, Pop mx at 1051 on 2/17. (PM-OR)
- 1053 NEW ZEALAND, New Plymouth-2ZP hrd // 1044, but into mud. Wouldn't have known what it was except // 1044 at 1051.30 2/17 (PM-OR)
- 1098 MARSHALL ISLANDS, Majuro-WSZ0, best Island station or second best to WVUV, exc. at times w/Island mx and woman in Marshallese?, I don't know if I have ever hrd them that well, faded by 1030, but a great signal at times 2/17. (PM-OR)
- 1206 FIJI, Sigatoka-Radio Fiji good w/woman in Fijian and mx at 0822 2/17. (PM-OR)
- 1386 JAPAN, Synchros here w/JJ talk at 1120 on 2/17 in passing. (PM-OR)
- 1475 MALAYSIA, weak to fair w/woman in Tagalog (sounded like) at 1055 on 2/17, some 1476 splash from New Zealand. (PM-OR)
- 1476 NEW ZEALAND, Auckland-1XA, Radio Hauraki good w/long rr cuts and ID at 1119 2/17 "Radio Hauraki" Best hrd in a long time. (PM-OR)
- 1485 UNID, carrier noted here in passing several times during the night, but no audio. (PM-OR)

USING the SP-600JX. For Pan Americans the 1500' East Beverage, for the TP/DU stuff the Term. 200' was used (NE/SW). Ground system.

News from Bill Harms in West Germany: Re Kangnam. Kangnam (Korea) is a "gun" that is inside the municipal limits of Pyongyang. The U.S. equivalent would be one of the 5 burroughs of NYC. I hope this helps. (Tx for the info. Bill) By the way, I might mention that any info on TAs, Pan Ams, etc from EC members are always welcome here in DXWW-West. I thought I should pass that along just incase someone has info that might help. Also was anyone else DXing foreign stuff on 2/17? I am wondering if any of the TP/DU stuff made it over the mountains, or was it only a coastal thing. See you next week. 73s. PM

DX Tests

From the NRC comes word on the following DX tests, arranged by Wayne Heinen and various others:

- Mar 2 KGGF-690, Coffeyville, KS, will test 0100-0300 on regular schedule with morse code IDs amongst the usual programming. The station is offering \$69 for the farthest accurate report received by 4/2. Send reports to Jack Maxton, CE, KGGF, Box 1087, Coffeyville, KS 67337
- Mar 2 KKRE-1040, Monument, CO, will test beginning at 0200 EST. Programming unknown. Send reception reports to Don Hubbard, KKRE, Box 1385, Monument, CO 80132.
- Mar 9 WKDO-1560, Liberty, KY, will test with country-western mx and code IDs. 0015-0045 EST. Send reports to Rick Wesley, WKDO, Box B, Liberty, KY 42539.
- Mar 16 WEKS-1080, Marietta, GA will test 0100 onward (EST), may have some morse code IDs. Send reports to Ted Ronneburger, CE, WEKS, 19 Atlanta Street, Marietta, GA 30061
- Mar 16 WTPO-1050, Conyers, GA, will test 0300-0330 EST on regular programming with morse code IDs. Send reports to Lee Cook, GM, WTPO, 924 South Main Street, Conyers, GA 30207.

THE IRCA ALMANAC

Now in its 4th edition, this 188-page compendium of Broadcast Band information is available to members for \$8.00 (nonmembers \$9.00) postpaid. (\$2.00 extra for overseas airmail). Something of interest to everyone, beginner or experienced. Write IRCA, P.O. Box 21074, Seattle, WA 98111.

EASTERN DX FORUM

RICHARD EVANS
P.O. Box 1294
NORTH WALES, PA 19454

Deadlines: 2/28 3/7 3/14 3/28 4/11 4/25 5/9 5/30 6/27 7/25
Anniversary issue: 3/7
This column typed: 2/15/87

Gordon P. Nelson, 2001 Lorraine Avenue, McLean, Virginia 22101

Regarding the questions and comments from Pat Martin and Charley Keleher about the Midwinter Anomaly. The MWA is a world-wide phenomenon which occurs above about 35 deg. latitude independent of the level of solar or geomagnetic activity. When I originally linked MW reception patterns to the MWA in DX News back in the early 1970's, it was based on my observations of BCB TA's in New England; that's probably why the incorrect impression arose that the MWA is only a TA phenomenon. It in fact appears to be global in extent with no demonstrated longitudinal dependence. The MWA manifests itself as unexpected periods of enhanced ionospheric absorption (and therefore relatively poor long distance MW DX reception) typically lasting days to weeks at a time during the middle of winter when conditions should otherwise be at their peak. These periods of anomalous absorption are totally independent of those resulting from auroral precepitation/geomagnetic activity, thus, from an experimental point of view, years of very low auroral/geomagnetic activity such as 1964-65 and 1986-87 are best for studies of the MWA because of the minimal confusion resulting from solar-driven effects - which is why the MWA has been so conspicuous this year on both TA and TP paths at this location. The MWA is most closely correlated with very high altitude meteorological parameters such as stratospheric temperatures and pressures. Based on the latest available experimental data the most likely hypothesis for the MWA is that a D region chemical species which acts as an electron scavenger (i.e., normally recombines with the free electrons which cause MW signal absorption) is absent during the midwinter days when the excess absorption is observed. Two classes of ionospheric chemical species have been suggested: nitrogen oxides and (I think probably more likely) clustered water molecules as originally suggested by the rocket probe data of Narcisi in the early 1970's. The best theory based on the latest research is that during local hemispheric midwinter there are periods ranging from days to weeks when the high altitude meteorological patterns (probably strongly correlated with jet stream behavior) result in decreased transport of water molecules upwards from the neutral atmosphere across the boundary layer into the D region; the absence of this electron scavenging species results in higher than normal D region electron density concentrations thus causing increased MW signal absorption and therefore weaker signals and poorer winter BCB DX. The bottom line: blame it on the weather and expect it to be just as predictable! So who ever said MW DX propagation was simple? (Not me!) Good DX.

John H. Demmitt, Box A K0848, Bellefonte, Pennsylvania 16823

Last night while conducting a random bandscan, I heard the time pip on the minute followed by "RR" in cw at 2 seconds after the minute. After a bit of nulling on 590 kHz, I was able to hear the SS news from Cuba. It was Radio Reloj! There was not a sign of the usual Radio Rebelde on 590. On a hunch, I went to 570 and found no Cuban here at all. The question is...where is the 75,000 watt transmitter going to show up next? WRSC-1390 from State College, PA is using a new ID. They now say, "We are number one, WRSC and Penn State University". A lot of the stations are holding contests. KDKA-1020 is asking listeners to name the new ship that is now in Pittsburgh. I think I'll suggest... "KU PITT". They are still using the "KU" as their ID. WBBM-780 from Chicago wants listeners to call in with news tips. Prizes are being awarded to best item of the week and a special prize will be given out once every 78 days. The talk shows are really getting heated lately. KDKA discussed the airing of the entire shooting of the PA state treasurer which was seen uncut by two TV stations in Pittsburgh (and one in Philadelphia--rce). Some felt something like this should not appear over the airwaves while others objected to the rest of the TV stations for censoring the news. WSB-750 from Atlanta, GA discussed the KKK & blacks who demonstrated in an all white county. WBZ-1030 from Boston discussed the airing of ads over radio and TV of condoms. There is a lot of excitement on the AM band.

Rick Evans, P. O. Box 1294, North Wales, Pennsylvania 19454

As you read this, the deadline for the anniversary issue will be in about a week, on March 6-7th (for EDXF anyway). John Demmitt, the public suicide of Budd Dwyer stirred the publications of several articles in last week and this week's editions of Editor & Publisher (the trade magazine for newspapers). AP put out pictures of the entire sequence of events with the caution that it was graphic. Newspapers and Television (and also radio) are business first, and every day they must make decisions on which news to run based at least partly on time and space limitations as well as suitability for the audience. Censorship, as I see it, is when the government says "you can't print it". Freedom of the Press is not absolute--it doesn't give us an absolute right to publish what we want with impunity. It must be factual and it must have some relevance to the reading audience. I don't expect to find much about Chicago in the Philadelphia papers, but I don't get upset about it and yell censorship. The big news here right now is that I have a job application floating around in central Wisconsin. Hopefully, by the time you read this, I'll know more about it. Thanks to the one who nominated me for the BoD--my name is in the hat again. PTL.



Western DX Forum

★ ★ ★ ★

IRCA - The #1 Choice of the Broadcast Band DX'er

Editor: Ric Heald • 8539 Bellamy Way • Sacramento, CA 95828 USA • (916) 386-8677

1986 DEADLINES - WEEKLY ON TUESDAY 11 DAYS PRIOR TO PUBLICATION DATE

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ANNIVERSARY ISSUE

The Anniversary Issue of DXM is rapidly closing in on us. Deadline in Sacramento for your Anniversary WDXF's is Tuesday, 10 March 1987. Don't YOU be left out. Send your special forums early; they're being typed as received. If you are a regular, irregular or have never before contributed to WDXF, now's the perfect opportunity to let us know a little about you. Let's make this, in the words of the late Ed Sullivan, "A Really Big Show!" Now. . . on to this week's tabloid edition of WDXF.

GARY LARSON, 2806 LINCOLN, BURBANK, CA 91504 (808) 842-9287 or (808) 247-7414

On Friday, 30 January drove to Pomona to tape KWOW 1600 who plans to drop Oldies for a 24-hour financial news format and related money items. Call is to be KMNY but couldn't pin down exact date for change. (Is now KMNY-RtH.) Met Operations Director Jon Wickstrom who says they'll be selling the station. I really hate to see a long-established oldies AM go. (I thought they were long-established T40 before oldies-RtH.) Current power is 5 kw DA nights. I taped four-and-a-half hours of programming so as to keep a record of their existence as KWOW.

Stopped by KTSJ 1220 and met three of their staff. Was given some printed matter and a partial station tour. Drove by their transmitter on Riverside Drive in nearby Chino - they have three towers which I was told are the same as were on Phillips Boulevard in Pomona when it was KKAR.

While in the area DX'ed a bit. KSHO 540 noted strong, so must be overpowering nights in Lucerne Valley, their transmitter location. KAVR 960 is still oldies. KNSE 1510 needless to say extremely strong.

On 02 February got a call from Mike Riordan of Santa Barbara area. He said I should call or write KWOW regarding their format change but I know that's useless.

Saw the WDXR item in DXM 775 about RW hearing KOTE 1380, but not their new KHJJ call. I called them and spoke with their Traffic Director who said new calls had gone into effect the previous day, 01 February, format remains unchanged. They use a PPSA near s/off. Unknown what the power is. Was also told KPFI-FM Tehechepe was sold. That owner also owned KDOL Mojave.

Am trying for a move, so use current address; it's my parent's. 73.

GENE MARTIN, 3303 E. EVANS AVE., DENVER, CO 80210

My first incarnation as a DX'er in the BCB covered the years 1928 to 1932, beginning as a teenager and ending before I turned 21. The necessity of making a living in Depression days took away my interest in radio so far as pursuing elusive stations was concerned.

What this means is that I had given up DX as a hobby before the National Radio Club was born, and therefore I never saw the first issues of the club's publication, DX News.

However I would be willing to make a bet, sight unseen, as to some of the loggings reported in DXN during the early years, say 1933-35.

I would be those issues contain dozens and scores of reports about Japanese stations being heard all over the eastern US. Perhaps the present custodians of those early issues of DXN, whoever and wherever they are, could check into this and either confirm frequent Japanese loggings or tell me I'm mistaken. I wish they would check it out.

I did however see what Radex was reporting in 1930, 31 and 32. I have maybe ten copies of that publication from that period.

I went through five of them the other day and found reports about Japanese stations heard or claimed from such places as Philadelphia; East Liverpool, Ohio; Shelby, North Carolina; Harrison, New Jersey and Claremont, New Hampshire (yes, New Hampshire).

During those years from my Dallas location I was hearing so many Japanese stations in fall and winter, they they had become routine. Japan could be heard on 900, 870, 850, 830, 810, 790, 770, 750, 710 and 590. I might be forgetting one or two others for I'm harking back 57 years.

So I was never surprised in those years when I would read in Radax about Japan being heard in the Eastern states, even Atlantic Coastal states.

Now as I understand it, the most knowledgeable guys in today's DX fraternity are more or less in agreement that Japan's ECB stations cannot be heard in the Eastern US. To explain the non-arrival Japanese signals, they've invented or discovered the "auroral zone" in the Far North, located in the ionosphere over the Arctic. Today's propagation experts suggest the auroral zone just sits there and maliciously side-tracks and kills of the Japanese signals that otherwise might make it to Jersey City and East Liverpool. (The conclusion next week-RtH.)

STEVE MITTMAN, 2248 W. 37th ST., SAN PEDRO, CA 90732-4506 (213) 833-1010

I thought Albert Lobel's recent forum was interesting and would like to comment. First off, I totally agree with Albert that AM stereo potentially could save the AM band -- if only it were available to everyone. On a high-quality receiver (such as my Sansui CX-990 AM stereo car radio), AM stereo truly delivers high-fidelity stereo sound -- rivaling FM. A couple years ago I wrote a review about the unit, which I believe is also available as a re-print from the Goodie Factory, so I don't wish to repeat myself, but just quickly I'd like to make a couple of points. In blind tests that I've conducted with friends ("OK, are we now on AM or FM?"), they couldn't tell. That's not to say, though, that there's no difference. If one listens to KIIS-AM and then immediately flips to their FM, one can definitely hear more "punch" from the FM. But if one just listens to AM stereo by itself, the fidelity is quite good and pleasing to listen to.

Incidentally, a good receiver is very important. I'm not really too impressed with the Sony SRF-A100. True, it's an AM stereo radio, but the unit's frequency separation is terrible and the speakers aren't capable of delivering "hi-fi" sound. The unit is really little more than a toy. Perhaps by hooking it up to a good-quality amplifier, as Albert has done, the AM stereo can be improved. But the average customer wouldn't bother to do so, and for the few who may have had their only taste of AM stereo via the SRF, I can understand why they might not have been too impressed. Albert mentioned that he couldn't find any AM stereo receivers in his stores. The reason is manufacturers are hesitant to build such units when they know they'll simply sit on the store shelves. Stereo or not, the reality of the situation is, no one listens to AM anymore. When I tell my friends that I have an AM stereo radio, they look at me and ask, "You listen to AM?" It's actually embarrassing to admit that I do! And I find myself quickly making excuses, "Well, you see, I don't really listen to AM, I really listen to FM. Am is just a hobby. . ." etc. (More views and reviews of AM stereo next week-RtH.)

RIC HEALD, 8539 BELLAMY WAY, SACRAMENTO, CA 95828 Tele-Forum: (916) Evergreen 6-8677 to 2200 PLT and ppd

A short but interesting column this week. I really get into the history of broadcasting and always great hearing from you, Gene. I remembering interviewing Gene Allen six years ago for a journalism project (subject DX, of course, hi. . .and got a B) about his DX experiences from the Bay Area in the '20s and '30s. Fascinating. More.

Steve, a lot of us listen to AM. A lot more of us have AM-only in

our cars. Those not listening to AOR and T40 frequently listen to News-Talk, Country, Oldies, EZL, BBD on AM. In fact, for over ten years, KGO, an AM, has held the #1 spot in Bay Area radio, usually twice as many points as second place. WCCO and KMOX have held huge leads in their markets for years, and although it's true that AM is not the exception rather than the rule, some markets still haven't changed. Of course with the orgy of duplicating the Clears, daytimers to fulltime, I think it's a matter of time before AM chokes on itself and the band will become more open to DX again.

Publicity. When Al "Jazzbeaux" Collins was overnight host on KGO, we hooked up with him through Jef Jaisun and had a tremendous response. Several hundred inquiries came in for the Wedge Loop plans. We need something like that again. Also, visiting CE's at Clear Channel (what's left of them, hi) such as KGO, KFI, KNER, KOMO, KOA, WBAP, KSL, etc. and combing through their reception report files could be helpful. I did that at KCBS and KNER several years ago. This little journey requires a lot of tact, patience and education making your initial contact with station personnel and making an appointment to see them. Ideas?

Still looking for the "new" KLIP 1210. RHM, you're really having the luck with the Valley stations. All I've heard is Utah, a VERY strong Auburn and some SS night after night at LSS, but KLIP continues to escape me. Daytime on the FRG-7, I get a weird KRAK/KSAC garbage mix; on the Superadio TVI (bad) and whispers on the TRF. Everything else (nearly) from the Fresno area is audible daytime, so am wondering if they're directional away from the Bay Area (KDFC 1220) daytime. Will keep trying, or rather they're trying me, hi.

Please keep the Anniversary issue deadline in mind. A little late starting on this this year, but severe illness in my family has taken away a lot of time and energy in the last couple months. Things much improved now as mom's back home after 4 weeks in the hospital. Best of DX to all and see y'all in 7. 73 de Rth. .

IRCA SportsCentre



Dale Park, KH6DX5P
2253 Kanealii Avenue
Honolulu HI 96813-1345

"Start spreading the news, I'm leaving today. I want to be a part of it—New Jersey, New Jersey!" Koch, I didn't know you were listening; how'm I that the Giants have beaten Denver Broncos in the back to business. As it's now tournament time in college hoops, I am easing out of the listings for collegiate coverage and moving back to the pros. I still need listings for just about every NBA, NHL and MISL team, and for baseball if available; send them to the address above as soon as you can. Onward and downward—

Oh, sorry there, Mayor doing? Anyway, now Super Bowl, we can get

* COLLEGE BASKETBALL *

BRADLEY UNIVERSITY BRAVES Dave Snell, Joe Stowell

1400 WGIL-IL 1470 WMBD-IL FM: 96.7 WRVI-IL 98.3 WBYS-IL

FLORIDA SU SEMINOLES Gene Deckerhoff, Vic Prinzi (f)¹

580 WDBO-FL ₂	1220 WCLB-GA ³	1280 WCTX-FL*+	1360 WYSE-GA	1450 WSPB-FL
590 WGNE-FL ₂	1230 WMAF-FL ⁴	1300 WRKT-FL	1370 WCOA-FL	WVLD-GA
620 WSUN-FL	WWSO-FL ⁴	1310 WAUC-FL*	1390 WDVH-FL* ⁵	1490 WTRF-FL
730 WLOR-GA*	1240 WBGC-FL	1330 WFTP-FL	1400 WPRY-FL ⁶	WXVQ-FL
900 WHOP-FL\$	WEUS-FL	1340 WROD-FL	WQRZ-GA ₃	WCKC-FL
920 WHEL-FL	1250 WNER-FL*+	WDSR-FL	WCLB-GA ³	WPXE-FL+
960 WJCH-FL	1260 WIYD-FL	WTYS-FL	1430 WLKF-FL	WTTB-FL ₇
1130 WWBF-FL	1270 WTNT-FL+	WFSH-FL	1450 WWJB-FL	WNHN-FL
WMGA-GA		1360 WKAT-FL		1570 WHOG-FL*
		-FM-		
92.1 WVHG-FL	96.7 WKSX-FL	99.1 WQIK-FL	103.1 WQUH-FL+	106.3 WAFC-FL
93.5 WSWN-FL	97.7 WWSL-FL	100.1 WEEJ-FL	104.9 WAAZ-FL	WPXE-FL+
94.9 WTNT-FL+	98.1 WQHL-FL+	101.7 WWSO-FL+	105.5 WSOS-FL	107.9 WIRK-FL

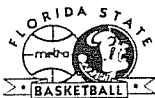
SYNDICATOR: Anheuser-Busch Sports Productions.

SATELLITE: Westar III, unknown transponder, 86.3 MHz, via Florida Network.

NOTES: 1. Football list sent; many stations will air basketball. 2. Listed as WDLF. 3. Listed on 1220; other sources say 1400. 4. Listed as WCNH. 5. Listed as WMGI. 6. Listed as WVHFF. 7. Listed as WSIR.

IDAHO SU BENGALS Jerry Miller

930 KSEI-ID 1270 KTFI-ID 1340 KACH-ID
FM: 92.7 KGRA-ID



ILLINOIS FIGHTING ILLINI Jim Turpin, Loren Tate

670 WMAQ-IL	1080 WPOK-IL*	1270 WHBF-IL	1360 WGFA-IL* ¹	1450 WKFI-IL
790 WRMS-IL* ¹	1150 KCKY-AZ	1300 WFRX-IL ¹	1370 WPRC-IL*	1490 WZOE-IL ¹
800 WKYZ-IL*	1220 WQSA-FL	1320 WKAN-IL	1380 KGLD-MO	1560 WBYX-IL* ¹
920 WMOK-IL*\$	WLPO-IL*	1330 WRAM-IL*	1400 WDWS-IL	1570 WTAY-IL* ¹
930 WTAD-IL	1240 WTAX-IL	1340 WSOY-IL	WGIL-IL	1580 WDQN-IL* ¹
980 KSGM-IL ¹	1260 WIBV-IL	WJOL-IL	1440 WRAJ-IL* ¹	WBBA-IL* ¹
WITY-IL	1270 WEIC-IL		WMLA-IL	1600 WMCW-IL*

-FM-

96.7 WRVI-IL	99.1 WIAI-IL	100.1 WCCI-IL	102.3 WTAZ-IL #	103.1 WJEZ-IL+
98.5 WXXQ-IL		102.3 WRMJ-IL		105.5 WJVO-IL

SYNDICATOR: Anheuser-Busch Sports Productions.

NOTE: 1. Listing has no indication whether station is AM or FM; co-owned FMers can be found in other references.

NORTH CAROLINA TAR HEELS Woody Durham, Jim Heavner

550 WDLV-NC*	960 WFTC-NC	1210 WADE-NC*	1340 WAGR-NC	1450 WNOS-NC
630 WIRC-NC*	1000 WIOO-PA*	1230 WSKY-NC	1360 WCHL-NC	1460 WEWO-NC ¹
640 WFNC-NC*\$	1050 WLON-NC*	WMFR-NC	1400 WSIC-NC	1470 WBIG-NC ¹
680 WRGC-NC*	1060 WMAP-NC*	WCBT-NC	WLSE-NC	1480 WYRN-NC*
730 WOHG-NC*	1080 WKGX-NC*	1240 WPNF-NC	1410 WEGO-NC	1520 WKZQ-SC*
770 WLWL-NC*	1110 WBT--NC	WJNC-NC	1420 WVOT-NC	1540 WJOS-NC*
780 WCKB-NC*	1150 WBAG-NC*	1250 WBRM-NC*	1450 WGNC-NC	1570 WNCA-NC
810 WCEC-NC*	WGBR-NC*	1260 WKXR-NC	WZIS-NC	1580 WZKY-NC*
920 WPTL-NC*	1160 WYRU-NC	1270 WMPM-NC*	WHKP-NC	1600 WRNC-NC
		1280 WSAT-NC		

-FM-

93.3 WBBO-NC	95.9 WRHT-NC	97.3 WKBC-NC	102.9 WHKY-NC	104.5 WKSM-NC
94.1 WKOQ-NC	96.7 WKRX-NC	WHSL-NC	103.7 WSEC-NC	105.5 WFJA-NC
94.7 WQDR-NC		99.3 WQDK-NC		105.7 WWOK-NC

SYNDICATOR: Village Communications/Tar Heel Sports Network.

NOTE: 1. Off the air at time of this writing.



OHIO SU BUCKEYES Marv Homan

1150 WIMA-OH	1340 WSTV-OH	1400 WKWK-WV	1470 WOHO-OH	1490 WMOA-OH
1220 WGAR-OH	1350 WSLR-OH	1410 WING-OH	1480 WHBC-OH	WMRN-OH
1260 WNXT-OH	1400 WMAN-OH	1450 WLEC-OH	1490 WBEX-OH	1510 WLGN-OH*
1270 WUCO-OH*		1460 WBNS-OH		1520 WQCT-OH*

-FM-

95.7 WPTW-OH	95.9 WNPQ-OH	96.7 WCMJ-OH	104.5 WQKT-OH	107.1 WJOJ-OH
		101.5 WYPC-OH		

SOUTH DAKOTA COYOTES Mark Ovenden (f), Paul Ortman (k)

1570 KVRA-SD*+ FM: 102.3 KVRF-SD+ 107.3 KQRN-SD

SYRACUSE U. ORANGEMEN Doug Logan

570 WSYR-NY	920 WTRD-NY	1050 WYBG-NY* ¹	1400 WELM-NY	1430 WENE-NY
920 WKRT-NY	950 WIBX-NY	1180 WHAM-NY	1420 WACK-NY	1490 WBTA-NY
		1240 WWWD-NY		

-FM-

91.5 WHYE-NY		97.5 WNCQ-NY		105.5 WLPW-NY+
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FEED II: Bill Roth

NOTE: 1. Listed as 91 WYBG-FM; this error has appeared on their lists for the past three seasons—is there such a station?

JOCKEY SHORTS: Take Me Out To The Announcing Booth—The musical chairs continues amongst the announcing teams for major league baseball. Hank Greenwald apparently will do New York YANKEES games over 770 WABC-NY. Moving out to make room are John Rooney and John Gordon, who will join Herb Carneal on 830 WCCO-MN for Minnesota TWINS broadcasts. Ron Fairly travels north to handle San Francisco GIANTS coverage via 680 KNBR-CA. And another Hawaii Islander announcer makes good, as Jack Wiers graduates to the majors, replacing Tom Harr at the mikes for 1090 WBAL-MD play-by-play of the Baltimore ORIOLES; Marr leaves partner Jon Miller by staying with 1300 WFBR-MD. Wiers, after coming from the Quad Cities area, spent seven years with 2 KHON-TV in Honolulu in addition to baseball duties. He'll work nearby another ex-Hawaii sportscaster, Mel Proctor...In the MISL, Kansas City COMETS are heard on 680 KFEQ-MO; 600 KLZZ-CA is again the home for San Diego SOCKERS action with Randy Hahn; Chicago STING are on 1300 WTAQ-IL, understandable if you know Espanol...The minor league AISA Canton (OH) INVADERS stay on 1480 WHBC-OH...WHL Portland WINTER HAWKS on 1290 KVIX-OR, ex-KMJK...Corrections: U. of Tennessee is on 1590/99.3 WUSJ-TN in Johnson City, ex-WJSO, and U. of Wyoming uses 1240 KFBC-WY in Cheyenne.

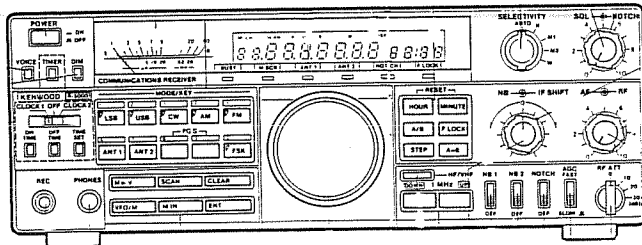
PLAYERS OF THE WEEK: John Clemmer, IL; Bill Hardy and Niel Wolfish in NRC; Jack Wiers, KHON-TV, Variety.

That's all this week, typed on 9 Feb. 1987. Play Ball! See you in DXM.

The R-5000 is essentially the receiver portion of the popular TS-440 transceiver, which is a somewhat improved version of the TS-430 transceiver. Since I once owned a 430 and always thought it had an excellent receiver section, there was little doubt in my mind that the R-5000 would also be an excellent receiver. Now that I've played with one for a few weeks, I'd have to agree with myself!

This test report is based on several weeks of actual use, in a variety of DX situations and conditions. I also use an ICOM R-71 and a Sony ICF-2010, so there are frequent comparisons made with these models. You can't judge a receiver entirely on its test bench results, as one can get carried away about potential shortcomings that rarely, if ever show up in real life listening situations. Still it is very handy to have some yardsticks by which we can compare the various technical standards met by various sets. I don't possess all the fancy test gear needed for true lab quality measurements, but at least I can make a few valid comparisons of some of the more important RF characteristics.

Unfortunately, Kenwood has chosen to include few technical details, no schematic or even a block diagram, in the manual that comes with the set, so it's difficult to make comments on some of the design aspects. I know it is only a dual conversion design compared to the triple conversion system used in the TS-440. IF frequencies are 50.1125 mhz and 8.83 mhz with all selectivity filters at the 2nd IF. That's not to say it's inferior to the 440, the extra conversions are usually just for convenience in implementing features like IF shift/PBT, notch etc. The ICOM R71 is quadruple conversion! Also with fewer conversions, you have less local oscillator signals to worry about, with the resultant less chance of mixing products showing up in the receivers' output.

FRONT PANEL

Basic coverage is from 100 khz to 30 mhz, with the low end actually usable to near 30 khz. Sensitivity does drop off under 100 khz but WWVB on 60 khz is easily heard here, along with the various RTTY signals that abound in this range. The typical KENWOOD blue gas discharge display indicates frequency to the nearest 10 hz, which is one more digit than is found on most equipment. The display also indicates VFO usage, memory channel number and one (or none) of the two 24 hour clocks, all at the same time. This may sound like a lot of information on one small display, but the time and channel numbers use half height digits so there isn't much chance of confusing them with the actual frequency. The display is easily read in nearly all ambient light conditions, other than direct sunlight. For direct viewing in sunlight, a liquid crystal display, such as is found in the Sony ICF 2010 or the Yaesu FRG-8800, is the only way to go!

The R-5000 offers several different tuning methods. You have the choice of using the tuning knob, which offers a variety of steps and tuning rates, depending on which mode has been selected. The minimum step is 10 Hz and no RIT function is provided. The VFO knob lacks any sort of a finger indentation, convenient for quickly spinning across the bands. The rates are summarized in this table, from the operator's manual. The tuning speeds and steps are acceptable but I didn't find them to be as well chosen as they are on the ICOM R71. For SSB, 10kHz per revolution is rather fast for fine tuning (the R71 is 2 kHz/rev) and 50 kHz is rather slow if you want to get across the bands in a hurry (the R71 is 200 kHz/rev in its higher speed position).

UP / DOWN pushbuttons are convenient to quickly change the MHz settings in 1 MHz increments. The R-5000 also has keypad entry, however using it is a bit of a chore rather than a convenience, especially when one is used to the uncomplicated system used in the SONY ICF-2010, or to a slightly lesser degree, the ICOM R-71. As I'm right handed, I find the location of the keypad in center left front panel to be less than optimum, lefties may like it better! The keys are arranged in a non-standard 2 x 5 arrangement, and to make it worse, the numbers are a poorly contrasting black on grey. Reading them from a distance is most difficult! To enter frequencies under 10 mhz, you must first key <ENTER> then the leading zero(s) (2 if under 1 mhz, 3 under 100 khz) then the actual digits. Trailing zeroes need not be entered, pressing <ENTER> again will fill them in automatically. If you choose to enter all of them (down to the 10 Hz digit) then the frequency will be "entered" upon keying in the last zero. The whole procedure involves more key punching than is needed or desired, especially since the ICF 2010 requires no leading zeros at all, and only one press of the ENTER key (they call it EXECUTE). Since I personally tend to use the keypad a lot, I find the system on R-5000 to be a major annoyance. Perhaps I'll get used to it, or become left handed, or both but I'll never like it!

The R-5000 has 100 memories that also store mode and antenna information. The 100 channels can be scrolled with the <M-IN> function, the contents of the memories are displayed but the radio remains on its original frequency for the purpose of finding a suitable unused position with which to store the current frequency. Pressing <M IN> a second time will store it, pressing <CLEAR> will get you back out without changing anything. This system works well and I find it very convenient. In the memory channel mode, all memories can be scanned manually with the tuning knob or the UP/DOWN keys by using the <VFO/M> function or you key in the channel number from the keypad. All memories are fixed (you can't even change mode or antenna selection!) and to tune up or down from the channel you must transfer the memory contents into the VFO (either A or B, whichever was last selected) by using the <M - V> function. The system used in the R71 is more versatile since all memories are completely tuneable.

A variety of scanning modes are also available. MEMORY scan will stop on a channel only if a signal is present (level determined by squelch control setting) in the AM or FM modes. Apparently there is a way that you can change from a 5 second time operated pause to a carrier operated scan. The manual hints at it but gives no details, other than to consult your KENWOOD dealer! However in any of the SSB modes, the scanning will pause for 5 seconds regardless of whether a signal is present or not! This is handy enough for

Frequency Step

Mode STEP key	AM		USB/LSB/ CW/FSK		FM	
	OFF	ON	OFF	ON	OFF	ON
Frequency step	1kHz	100Hz	10Hz	100Hz	5kHz	2.5kHz
One revolu- tion of TUNING knob	20kHz	50kHz	10kHz	50kHz	100kHz	50kHz

When a 10 Hz or 100 Hz frequency step is selected rapid tuning is possible by rotating the TUNING knob quickly.

When the TUNING knob is rotated at about 3 revolutions a second a geometric increase in the tuning step occurs, that corresponds to the speed of dial rotation.

most situations but I'd still prefer to be able to select whether it should stop or not. Perhaps there is a switch that isn't mentioned in the manual. Temporarily unwanted channels can be locked out of the scan range (use the <CLEAR> function while in the memory mode). The 100 channels are divided into 10 groups of 10, and you can also choose to scan any or all of these groups.

PROGRAM Scan will scan from channel 8 to 9 in the current channel group you have selected. This means you can have up to 10 ranges programmed using channels 18-19, 28-29 etc. This may sound rather complex but in practice it works well. Scan speed can be changed by the <STEP> function.

As I hinted at earlier, the R-5000 has two clocks, either one of which can be displayed continuously, even if the radio is turned off. Sorry, seconds are not displayed. A single timer function is connected to CLOCK 1 and NO/NC relay contacts are provided on the rear panel. Clock and timer are set using the conventional HOUR/MINUTE pushbuttons, an outdated and inconvenient system when compared to the SONY ICF 2010, which uses the tuning knob to set time, both forwards and backwards. How many times have you gone past one digit, and mentally cursed having to go around all the way again! Well, be prepared to do it again on the R-5000. The Sony has more flexibility here as well, in that you can set four "events" which allow you to set both the time and frequency (memory channel).

All memory and clock functions are backed up by a rechargeable NiCad battery. If AC power is removed, the battery will enable the memory contents to be retained for 10 days. The battery takes 6 hours to fully recharge, and is done so automatically when the set is plugged into AC power. Unlike the ICOM R-71, the operating system is not lost if the back up battery fails. My only hesitation is the use of NiCad cells, as they are pretty fussy in their old age. I wouldn't be surprised if the non-rechargeable lithium cell in the ICOM R-71 outlasts the NiCad system! However, it's still easier to replace any battery than have to send your radio (or the RAM board) back for re-programming.

Dual noise blanker circuits are provided, along with a level control. NB1 is intended for short duration pulse noise, such as automobile ignition noise, while NB2 is for the "woodpecker". Both can be used simultaneously. In only a few comparisons with the R71, which has two blankers (you can only use one at a time), I found the R71 had a very slight edge when used on the woodpecker. Both seemed approximately equal on other types of noises. As with the R71, setting the blanker level too low on the R-5000 can cause large amounts of distortion. Two AGC time constants are provided, SLOW is far too slow and FAST is acceptable but on the fast side. The speeds provided in the ICOM R-71 are just about right, plus you can turn the AGC off and regulate the gain manually with the RF Gain control. The R-5000 has an RF gain but no AGC off position. The S meter in the R-5000 reacts to modulation peaks, making it very hard to take valid S meter comparisons when the meter is bouncing all over the place. In addition the meter is dimly lit and much harder to read than the much larger and well lit meter on the R-71. The top end of the scale is rather crowded, even though S meter calibration is pretty good. The 0/10/20/30 db attenuator checked out to be very accurate.

The notch filter is an audio type only, but the few times I needed to use it, it worked well. In theory, an IF notch (as found on the R-71) is preferred but in many cases the end result is the same. The IF shift circuitry functions only in the SSB modes, not in AM or FM. It worked well the few times I tried it, and interfering SSB signals could usually be put "over the edge" to a point where they were no longer a nuisance. The IF shift system used in the R71 works in AM, by both shifting and narrowing the pass band, a distinct advantage over the R-5000. For the serious DXer, the lack of IF shift in AM shouldn't be that much of a limitation, since one can go into the SSB mode where the IF shift functions. Incidentally, the USB/LSB switching method used in the R-5000 requires NO RETUNING, a large advantage over the system used in the R-71. For me, that feature alone almost makes up for the not so easy to use key pad!

Two antennas can be selected and assigned to a frequency stored in the memory, from the front panel. Real panel antenna connections include a conventional SO-239 coax input for <ANT 1> and wire terminals for <ANT 2> where you can choose between 50 or 500 ohm input. I don't think too much of the cheap wire connectors - heck, they aren't even spring loaded!

The R-5000 will accept a variety of AC voltages - 120, 220 or 240 volts. These are selected by rotating a selector switch on the rear panel. 12 volt DC operation is possible with the DCK-2 option. Current draw is about 1.4 amps, just slightly more than the R-71.

Options include a integral VHF converter (\$289) that covers 108-174 mhz, an IF-232C interface (\$99) for computer control using a standard RS-232C input, an IC-10 Interface kit designed to mount internally and provide level translation for the IF-232C option, and a VS-1 voice synthesizer unit for \$75. All filters are \$115 each. Other than some of the filters, I haven't tested any other of the options. One should note that for the price of the VHF converter, one could purchase a separate scanner that would have wider coverage and not interfere with anything. Agreeably, the R-5000 converter offers SSB reception on 2 meters, primarily of interest to hams who use SSB for long haul terrestrial contacts as well as working the various amateur satellites.

PERFORMANCE RESULTS

The first thing one notices about the R-5000 is that the darn thing beeps at you when you press many of the buttons. It even announces the first letter of the mode you've just selected - in CW, of all things! Thanks but no thanks. I don't appreciate having the thing beep back all the time. Hopefully there is a switch somewhere to turn that function off or at least reduce the volume.

Test and actual listening comparisons between the R-5000 and the ICOM R-71 showed that both have excellent RF characteristics, and there is little audible difference. On SW frequencies, my version of the MDS test (using the ear to detect the minimum signal input (AM 30% mod) that I could still detect a 400 to 1000 hz modulation change) showed it could detect signals around the .06 uv level, very comparable to the R71. On MW, the usual 20 db attenuator is hard wired into the input so sensitivity is less than optimum for the serious MWDXer with a quiet location. Not having a schematic, I haven't found the way to bypass it yet! It shouldn't be too hard to defeat when I actually get my hands on a schematic. Again, actual tests showed the R-5000 was a good MW receiver but couldn't quite keep up to my ICOM R-71 (modified for better MW sensitivity by removing the built-in attenuator and allowing the preamp to function) on the really weak signals. However, when the R-5000 is modified it should have a slight edge in sensitivity. Sensitivity on longwave is reduced by only 10db, giving very good results on some of the European longwave signals that sometimes can be heard here. A separate 500 khz low pass filter is provided for LW, thus reducing potentially overloading MW signals before they reach the mixer. The longwave band was generally free from MW overload: only one strong combination of locals produced a quite strong signal on 190 khz, on the R-71 the same product is hardly detectable, thanks to its slightly better dynamic range.

Dynamic range or lack thereof, can make sensitivity work against you. Using rough measurements, the R-5000 was measured to have about a 99 db dynamic range (50 khz spacing, at center of MW band). In the same test the ICOM R-71 showed 104 db, and the SONY ICF 2010 was 86 db. The bigger the number, the better. These numbers are not "absolutes" and are not intended to be quoted as such, or compared to what the manufacturers or other reviewers state. However, they do show that the R71 has a slight edge in this very important category. It was interesting to note that the ICF 2010 showed very respectable figures in this test, better than some of the better receivers just a few years ago!

Selectivity on the R-5000 is provided by crystal filters at the 8.83 mhz second IF. The shape factor of the stock 6 khz AM filter is rather dismal, being 6 khz wide at -6db, but 24 khz at -60 db! Needless to say, the optional YK-88A-1 filter is highly recommended. It has the same width at -6 db but the -60 db skirts are improved to a measured 10.2 khz. The supplied SSB filter is much better, giving values of 2.5 khz and 4.9 khz at -6/-60 db. These figures are good but less than measured in ICOM R-71, which uses cascaded filters at 9mhz and 455 khz, as standard. The comparable bandwidth in the R-71 measured 2.4 khz at -6 but only 3.1 khz at -60 db. The optional 1.8 SSB filter wasn't available for testing. I did install the 270hz CW filter, which seemed to be a good performer, but I could still detect a significant amount of signal leakage around it. Aftermarket filters are available from firms such as International Radio, although not tested personally, they should offer better shape factors than the factory filters. The selectivity switching is well designed, allowing any filter in any mode to be selected manually, or in <AUTO> the best filter for that mode will be engaged. Selectivity options are detailed in the accompanying table, again from the R-5000 manual.

OPTIONAL FILTER COMBINATION	SELECTIVITY SWITCH POSITION	MODE KEY					
		USB	LSB	CW	FSK	AM	FM
N: None M1: None	AUTO			2.4 kHz		6 kHz*	12 kHz
	N						
	M1			2.4 kHz			
	M2						
	W			6 kHz*			
N: None M1: YK-BBSN	AUTO	2.4 kHz		1.8 kHz		6 kHz*	12 kHz
	N			1.8 kHz			
	M1			2.4 kHz			
	M2						
	W			6 kHz*			
N: YK-BBC M1: None	AUTO	2.4 kHz		500 Hz		6 kHz*	12 kHz
	N			500 Hz			
	M1			2.4 kHz			
	M2						
	W			6 kHz*			
N: YK-BBCN M1: None	AUTO	2.4 kHz		270 Hz		6 kHz*	12 kHz
	N			270 Hz			
	M1			2.4 kHz			
	M2						
	W			6 kHz*			
N: YK-BBC and M1: YK-BBSN	AUTO	2.4 kHz		500 Hz		6 kHz*	12 kHz
	N			500 Hz			
	M1			1.8 kHz			
	M2			2.4 kHz			
	W			6 kHz*			
N: YK-BBCN and M1: YK-BBSN	AUTO	2.4 kHz		270 Hz		6 kHz*	12 kHz
	N			270 Hz			
	M1			1.8 kHz			
	M2			2.4 kHz			
	W			6 kHz*			
N: YK-BBCN and M1: YK-BBC	AUTO	2.4 kHz		270 Hz		6 kHz*	12 kHz
	N			270 Hz			
	M1			500 Hz			
	M2			2.4 kHz			
	W			6 kHz*			

*: When the YK-88A-1 Crystal Filter is installed in the filter for W position, selectivity will not be changed, but the shape factor will be improved.

With the antenna disconnected, very few spurious signals could be noted. Weak harmonics could be heard every 500 khz, from 9 mhz up to about 15 mhz, except for the multiples of 9 mhz at 18 and 27 mhz. Other than a weak signal at the 8830 khz IF, which didn't move the S meter, the R-5000 has a very clean and birdie free tuning range. This especially important in LW and MW, where the presence of a weak "het" can mean some foreign broadcaster's signal is starting to fade in. In comparison, on lower frequencies, the R-71 has some weak interference birdies from the display.

The R-5000 has the usual built in, top facing speaker which provides quite decent sound. As to be expected, an external speaker would improve things. The front panel tape output is a standard high level signal, designed to work into the "line" or "aux" input on a tape recorder or stereo amplifier. If your cassette only has a "MIC" level input, you'll need to purchase or build an attenuating patch cord. The high level output is somewhat stronger than the R71 provides, which was on the weak side for some systems.

Overall, the R-5000 is a high quality receiver that offers a good combination of features and performance at a competitive price. In Canada, the list price is in the \$1200 range. While slightly inferior to the ICOM R-71 in some areas, in actual listening there isn't much difference. To choose between the two, you have to decide which features are most important to you. Some of these features are implemented very well, others could be done better. Now, where's that switch to turn off that blasted beeper?

Don Norman

AMERICAN FORCES NETWORK (AFN) EUROPE

Compiled by Bill Harms 19 January 1987

AFN Berlin		AFN Nürnberg	
Berlin	1107	Nürnberg	1107
		Ansbach	1485
AFN Bremerhaven		Bamberg	1143
Bremerhaven	1143	Crailsheim	1485
		Grafenwöhr	1107
AFN Frankfurt		Hof	1143
Frankfurt	873	Hohenfels	1485
Bad Hersfeld	1143	Regensberg	1485
Fulda	1143		
* Giessen	1143	AFN Stuttgart	
* Mönchengladbach	1143	Stuttgart	1143
Wildflecken	1143	Göppingen	1143
		Heidelberg	1143
AFN Kaiserslautern		Karlsruhe	1143
Kaiserslautern	1143		
Bitburg	1143	AFN Würzburg	
		Würzburg	1143
AFM Munich		Bad Kissingen	1143
Munich	1107	Schweinfurt	1143
Augsburg	1485	Wertheim	1143
Berchtesgaden	1485		
Garmisch-P.	1485		

* -The key station for this transmitter is not known and is assumed to AFN Frankfurt.

AFN Berlin broadcasts a separate program that is played on the AFN FM network.

This list was compiled from information obtained directly from AFN Frankfurt and from the AFN TV-Guide.

AFN Radio Programs

AM MONDAY THROUGH FRIDAY

0005 Rick Dees	1205 Gene Price (Country)
0105 Joe Reilling	1305 AFN Middy
0130 Jazz Beat	1405 AFN Middy
0205 Louis Foster	1505 Local Afternoon Show
0305 Radio Theater	1605 Local Afternoon Show
0405 Chris Lane	1705 Local Afternoon Show
0505 Local Morning Show	1800 AFN Newsworld
0600 News/Sports	Commentary
0615 Local Morning Show	1905 Harry Newman (Country)
0700 AFN Newsworld	2005 Radio Theater
0731 Local Morning Show	2030 Jazz Beat
0805 Local Morning Show	2105 Don Tracy (Soul)
0905 Charlie Tuna	2200 News/Sports/Harvey
1005 AFN Today	2230 Jim Pewter (Oldies)
1105 AFN Today	2305 Mary Turner (Rock)
1155 AFN Sports	

AM SATURDAY

0005 Country Countdown I	1205 Sports
0105 Country Countdown II	1220 This Is Europe (Travel)
0205 Country Countdown III	1305 Country Countdown I
0305 Country Countdown IV	1405 Country Countdown II
0405 Viva (Latin)	1505 Country Countdown III
0505 Dick Clark's Rock, Roll & Remember I	1605 Country Countdown IV
0605 Dick Clark's Rock, Roll & Remember II	1705 The Countdown I
0705 Dick Clark's Rock, Roll & Remember III	1805 The Countdown II
0805 Local Morning Show	1905 Dick Clark's Rock, Roll & Remember I
0905 Sports	2005 Dick Clark's Rock, Roll & Remember II
0910 Local Morning Show	2105 Dick Clark's Rock, Roll & Remember III
1005 Local Morning Show	2205 Golden Days of Radio
1105 Local Morning Show	2305 Off the Record

AM SUNDAY

0005 King Biscuit Flower Hour	1105 Swinging Years
0105 Live from Gilley's	1205 Sports
0205 American Top 40 I	1230 Jam Session (Jazz)
0305 American Top 40 II	1305 The Comedy Show
0405 American Top 40 III	1405 American Top 40 I
0505 American Top 40 IV	1505 American Top 40 II
0605 Country Crossroads	1605 American Top 40 III
0630 Banners of Faith	1705 American Top 40 IV
0705 Salt Lake Choir	1805 Commentary
0730 East of Eden	1905 Golden Days of Radio
0805 Sounds of Sunday	2005 Live from Gilley's
0855 Sports	2105 Viva (Latin)
0905 Amen Corner	2205 Doug Ordunio
1005 Open Door	2305 Musical
1030 Live from the Rock	

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Now in its 2nd edition, this 120-page book answers questions on how receivers work, how to make them work better, what audio filters and loop antennas will do for you, how to build a beverage and phasing unit, and much more. Only \$5.50 for members, \$6.50 for nonmembers (\$2.00 extra for overseas airmail). Write IRCA, P.O. Box 21074, Seattle, WA 98111.

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President: Bruce Portzer, 6546 19th Ave. N.E., Seattle, WA 98115 (206) 522-2521.
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