



DX NEWS

*the magazine of the
National Radio Club*

— SINCE 1933 —

Volume 85, Number 13 Monday, Jan. 15, 1978

CPC TESTS

- Mon., Jan. 23 KVRA-1570 Vermillion, S.D. 0200-0230 w/500w. Rock music with test IDs, simulcast of KVRF-FM. Reports: Doyle Ritter, Manager, KRVA, Rt. 3, Box 79, zip 57069. Arranged: Neil Zank.
- Mon., Jan. 23 KAHL-1420 North Platte, Nebr. 0230-0300, 1000w ND. Tones, IDs at 5 min. intervals. Prepaid calls to: (308) 532-1120. Reports to Nelson Dahl, GM, Box 248, zip 69101. Arranged: R. Lindblade.
- Mon., Jan. 23 WJAR-920 Providence, R.I. 0400-0430 w/5000w ND. Tones, odd mx, many code IDs. Reports: Craig Healy, Radio Engineer, WJAR, 176 Weybosset St., zip 02903. Arranged: Craig Healy (NRC/IRCA)
- Thur. Jan. 26 WLBZ-620 Bangor, Maine. 0010-0040 AND 0530-0600. Rescheduled from Dec. 22. Loud music (marches, etc), station info. Power 5000w, directional mostly north. Reports to: Howie Soule (K1CZ), CE, 861 Broadway, zip 04401. Arranged: Steve Francis.
- Mon., Jan. 30 KXXR-1440 Spokane, Wash. 0400-0500, 5000w ND. Tones, code and voice IDs, sound effects, music. No calls accepted since test is pre-recorded. Reports to: Edward F. Kelley, KXXR, 933 West 3rd Ave., Spokane, Wash. 92204. Arranged: M. Bolland (GWDXA).
- Mon., Jan. 30 WKEM-1490 Immokalee, Fla. 0430-0500 w/1000w. Tones, voice-code and singing IDs, band music. Number for prepaid calls to appear next issue. Reports to: WKEM, Box 520, zip 33934. Arranged by Steve Kennedy who will also announce for the test.
- Mon., Feb. 6 WVOT-1420 Wilson, N.C. 0200-0230, will use either 1000w non-directional or 500w directional pattern. There is a possibility that both patterns/powers could be used. Test will include top 40 music, plenty of IDs and possible code IDs as well. Veries to: Gary Liebisch, WVOT Radio, Box 170, Wilson, N.C. 27893. Please include return postage! Arr: Chris Lucas.
- Mon., Feb. 14 KAST-1370 Astoria, Ore. 0315-0430, 1000w ND. Tones, IDs, and mentions of GWDXA. Prepaid calls to: (503) 325-2911. Reports to Robert Chopping, GM, KAST, Box 445, zip 97103. Arranged: Pete Nolan, GWDXA (also member NRC, IRCA)
- Mon., Feb. 20 KOMW-680 Omak, Wash. 0300-0400, 5000w ND. Tones, code and voice IDs. Prepaid calls: (509) 826-0100. Reports to: Jerry Robinson, CE, KOMW, Box 151, zip 98841. Arranged: P.R. Estremera, GWDXA. NOTE: Mr. Robinson is very interested in tapes and overseas reports.
- Mon., Mar. 20 KIRO-710 Seattle, Wash. 0330-0730 approx. Proof of performance, tones, IDs. 50Kw ND; 10Kw on auxiliary transmitter from 0700. Reports: David Hubert, CE, KIRO, 3rd & Broad Streets, zip 98121. Arranged: Eddie Ryan (GWDXA)

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We Get Letters

Pat Hartlage

DAN MYERS, our Flash Alert Service person, tells us 27 members are participating in the service. Please note his phone number has been added to the page of addresses. It's (419) 693-5859 and his address is 4148 Royer Drive, Northwood, Ohio 43619. **Dan urges members to call him rather than mailing late breaking test information.** Doing so will insure the FAS participants will get the information in time.

DX NEWS SCHEDULE To give sufficient advance warning to editors, etc. here goes:

Issue #14...Jan. 23	#20...Mar. 6	#26...May 15
#15...Jan. 30	#21...Mar. 13	#27...Jun. 12
#16...Feb. 6	#22...Mar. 20	#28...Jul. 17
#17...Feb. 13	#23...Apr. 3	#29...Aug. 14
#18...Feb. 20	#24...Apr. 17	#30...Sep. 4
#19...Feb. 27	#25...May 1	#31...Sep. 18

Editors and contributors, please have your copy in Louisville 10 days prior to the issue date. All the above are Mondays. Schedule subject to change.

NNRC'S BCB section is now being edited by Matthew Zahner, 7224 Gough St., Baltimore, MD 21224, replacing long-time editor Thomas R. Sundstrom.

WRTVH, according to info received thru IRCA, is available thru Gilfer Assoc., P.O. Box 239, Park Ridge, NJ 07656 at a pre-publication price of \$9.95 until January 30, 1978. Full price will be \$11.95, I believe. Delivery of the new handbook may be later than last year.

JONES LOG, the "North American Radio-TV Station Guide" is available, according to Bob Walker. The 1978 edition is \$5.95 (\$6.95 outside the U.S.) and can be ordered from Vane A. Jones Co., 6710 Hampton Dr. East, Indianapolis, IN 46226. No credit or COD.

BEACONS are of interest to Don Davis, 107 Oakdale Drive, Warner Robbins, GA 31093. Don is preparing an article for DXN concerning aeronautical beacons (510-1630 khz), their purpose, locations, etc. He needs information on those in the Soviet Union and Peoples Republic of China which would help verify the station, such as addresses, etc. Another article is being prepared which will include a listing of all stations which have verified within the last year, and he needs info on which aero-beacons you've QSLed. Don wants to finish the articles by mid-February so please send your info to him soon.

GOING BACK to a former practice, we are glad to list recent membership renewals: Robert Walker, Gerald Koske, D. Todd Hyder, Mats Andersson, Artie Bigley, George McKay, Jr., Harold Neimanis, John Hathaway, Rolland Lindblade, Robert Lazar, Park Barton, Richard H. Cooper, Edward Kocsan, Joe Worcester, Kermit Geary, P.E. Crocker, Dick Truax, Eugene S. Allen, Garry L. Houdek, Martin Wright, Steve Bezilla, Steve Kennedy, Willard King, Bill Whitacre, Richard Segalas, Bill Karsch, E.B. Johnson, Carl Mann, Alan Imprescia, Rick Newman, Harry Helms, Sheldon Rubin, Jeff Roberts, W.E. Gittings, P.C. Bergen, Fred Norquist, David Legler, Fr. John Pejza, Hilding Gustafson, John J. Hupke, Jr., Frank Wheeler, Paul K. Hart, Miles Bredvold, Richard Eddie, Guy Kudlemeyer, Dave Fischer, Mike Knitter, Clarence Freeman, Gene Nix, Curt Engberg, Frank Merrill, John Tweedie, Steve Bohac, Peter Oprisko and Craig Healy. Thanks for your support.

CONGRATULATIONS to Joe Worcester, who was granted a United States Patent for a high selectivity long-distance radio receiver he designed.

BOOKS, many of which date back to the 1920s, on radio and electronics are available from A.D. Santomasso Books, P.O. Box 907, Jensen Beach, FL 33457. This is a by mail only service. To get the most recent listing of books and magazines on telecommunications, send a self-addressed stamped envelope. Russ Edmunds recently forwarded list #59 to us here.

AWARD CERTIFICATES will be reprinted as part of a reactivation of the NRC Awards Program by Norm Maguire. However, we're having difficulty finding suitable blank forms to be printed. Anyone having a reasonably priced source for these please drop me a letter with a sample. Sizes previously used were 8½ x 11 and 8 x 5.

MISSING PAGES and missing bulletins? We'll gladly furnish these so long as there are extra copies available. Act promptly though, as there are few extra copies printed.

DOMESTIC DX DIGEST

ERIC RITTENHOUSE
2545 HILLEGASS ST., #7
BERKELEY, CALIF. 94704

Hi All,

Seems Santa came for the three column 12/30 issue, hi. with no news received from the LADs as to the holiday schedule change, I went ahead and typed two columns. The third was a holdover from the previous week when the Christmas mail rush caused my column to take a week to cross the country. Guess I should have mailed early, like they always say... On the less bureaucratic side, DX, at least at the domestic level, has been excellent the last two weeks (which it would have to be for ECR A) To DX, and B) To actually hear something, hi... This MM (1/2/78) I had Eastern stations bombing in better than I can remember in years! For example, while sitting in a Local Jack-in-the-Box parking lot on a midnight scarf-out, one of my companions tuned the car radio into a station blasting in just above local 50Kwz KGO-810. Baffled for a minute, we kept listing, only to hear the WHAS IDs come crashing in w/local strength! Quite amazing, really. We went on to log 24 states in the Jack parking lot, WBZ being the best catch. There must be something about the New Year's weekend--in each of the last five years, I have heard exceptionally good stuff on or about January 1... You see? If this jaded Editor can get excited about DX, everyone out there in DXNland can. How about some reports of that excitement? On with it!!

Sunset to Midnight
Western Zone

540 ---- CA - ESCONDIDO, 12/18 1330-1448, low-power pirate, rlgls. b'casts Sundays from church, hrd well in SD area. (ASL-CA) Out of a church? Guess if the FCC won't have you, you go to a higher authority, hi--ECR

Central Zone

590 WJMS MI IRONWOOD, 11/24 0829, "WJMS now presents community events"
680 WCAW WV CHARLESTON, 11/26 1709 L&C, aren't the 250w this time? (W'ski)
790 CKSO ON SUBBUFY, 11/26 2016 w/"CKSO Saturday Night", oldies, (ki) ments Christmas Telethon 1977. How do you tele-thon on radio? (W'ski-WI) Same way you tell a thon anywhere else; just ask to see its right forearm... ECR

860 KNUJ MN NEW ULM, 11/26 1740 wx/s/off data v/wk o/KOAM. (W'ski-WI)
1050 WDX IL DEACTUR, 11/26 1748 How's this for an s/off? The time has run out on this old rocker---WDX jx ID, then "BYE". (W'ski) I don't know whether to throw up or call Jethro Tull. **RE**

1300 WMAK TN NASHVILLE, 11/26 1748 v/gd ID during nx. (W'ski-WI) **RE**
1310 WDXI TN JACKSON, 11/26 1725 wk ID in garble after PSA. (W'ski) I used to have a garble, but I traded it in on a Camaro. ECR.

1500 KDFN MO DONIPHAN, 11/25 s/off 1757 ment "o/o by Dr. J.G. Hunt", plug for KOEA FM 97.7. (W'ski-WI)
1540 WSMO MS GREENWOOD, 11/24 1758 s/off data after nx. (W'ski-WI)
1580 WCCF IL URBANA, 11/25 1748 "WCCR in Urbana now lvs the air". (W'ski)

Eastern Zone

590 WWSB PA UNION OWN, 12/20 lcl ads 1700 pulled thru WARM, wk. (JK-NJ)
800 CJAD PQ MONTREAL, 12/11 1715-1723 snuck in w/CKIA/PJB w/WoB, ad.
910 WLAS NC JACKSONVILLE, 12/11 1647 atop o/nullled WSEA w/C&W. (DS/DS-DS) ** 12/13 atop w/s/off 1715. (JK-NJ)

980 WELM NC WILMINGTON, 12/16 s/off 1715 w/WBET/CKOM/WILK fair. (JK-NJ)
1110 CHD NS ST JOHN, 12/11 w/CKJD, no sign of WBZ w/coastal wx 1658. (JK)
1310 WBYN NC CHALOTTE, 12/9 s/off 1715 w/33B strong. (JK-NJ)
WBBO GA WAYNESBORO, 12/14 fr w/bad fades 1730, au cx. (JK-NJ)

WDKD SC KINGFREE, 12/19 o/slop w/C&W, lcl wx, ads, s/off 1730. (JK)
1320 WOIR SC COLUMBIA, 12/22 gd w/sol o/pests 1721. (JK-NJ)

1440 WOHN VA HEFNON, 11/27 1650 atop w/wx/rr, app still 500w NL. (DS)
 1540 AKIE VA FICHMOND, 12/21 hrd w/call chg strong s/off 1700. (JK-NJ)
 1550 WXVA WV CHARLESTOWN, 11/27 1654-1701 loud rr, ments w/FM 98.3,
 s/off w/shortie version of SSB. (DS-DE) *sung by a dawrf?*
 1580 WAMY MS AMORY, 12/11 s/off 1745 u/WEEY w/SSB. (JK-NJ)
 1590 WLFA GA LAFAYETTE, 12/17 hrd again au cx alone 1720. (JK-NJ)
 WTVB MI COLDWATER, 12/23 gd, faded in o/qQ 1590 w/promo, jx. (JK-NJ)
 1620 WDBX NY NYC, 12/4 mx, invites calls to tall how they're coming in.
 S/off 0200, conducting ET 0230 good. (JK-NJ)

Midnight to Sunrise
 Western Zone

780 KNOM AK NOME, 1/2, not this PEST again, hi. First noted 0450 w/YL
 vocals thru WBBM talk, again 0610 w/hymn. (ECR-CA)
 750 KFQD AK ANCHORAGE, 1/2 0501 w/Alaska nx, landmark signal. (ECF-CA)
 860 WDMG GA DOUGLAS, 1/2 0511 believed the one u/KONO w/ID w/"w"
 call. First time in years. (ECR-CA)
 890 APTS AK ADAK ISLAND, 1/2 0521 strong w/inst mx o/WLS talk. Weaker
 0528 w/C&w o/WLS. (ECR-CA)
 1180 WHAM NY ROCHESTER, 12/19 0505 w/nx/wx/mx. (ASL-CA)

Central Zone

1250 WTMA SC CHARLESTON, 12/12 0239 "on air for testing purposes". (w'sk)
 WDAE FL TAMPA, 12/12 0391 ID at start of nx. (w'ski-wI)
 WTAE PA PITTSBURGH, 12/12 0226-0241 testing also. (w'ski-wI)
 1510 KMSD SD MILBANK, 12/16 0210-0215 gd w/WLAC, ments on for test, into
 "Joy to the World". (CG-TX)
 640 KFI CA LOST ANGLES, 12/14 chg from 640 to 641 0600 during nx,
 641 produced beautiful 1khz het, but once I returned to 641 and
 nulled the Cuban, sig was much clearer. (w'ski-wI)
 790 UNID ?? Earl eves u/KULF w/T-40. (CG-TX)
 (Great job of keeping the freqs in order, hi) ECK

Eastern Zone

530a UNID ?? 12/26 MM 0247, NB stn in clear w/code. Very tightly
 formatted. I know T-40 stns ID incessantly during ratings,
 but this is neither T-40, nor is it ratings. Also, what is
 it. (WHA-NY) Beats the --- out of me, hi, ECF. (WHA)
 560 UNID ?? 12/19 MM, ET w/1khz FT 0424-0433 loops Sw of NYC w/WFIL.
 590 CKEY ON TORONTO, 12/19 w/BFM 0045-0100 ID w/WEEI. (WHA-NY) (DS-DE)
 641 KFI CA LOSENGE ALAS, 12/13 0306 frsq shift rough w/CMQ/wSM splash,
 650 WSM TN NASHVILLE, 12/12 AN MM w/C&w, good night Hawaii. (DS-DE)
 680 CPTF ON TORONTO, 12/19 w/rr 1253. (WHA-NY)
 850 WJW OH CLEVELAND, 11/21 0115-0210+, non-stop oldies w/ID on hr,
 app new format. (DS-DE)
 930 WFMD MD FREDERICK, 12/19 MM, call and some rap w/lcl NSP wPA1
 nulled 0134, called stn, jock sez AN-7. (WHA-NY)
 950 WPEN PA PHILADELPHIA, 11/21, noted off this AM. (DS-DE)
 990 WHOO FL ORLANDO, 12/12 0246-0300+ ET/C&w, lcl-like sig. (DS-DE)
 1060 WNOE LA NEW ORLEANS, 12/12 atop KYw 0052, rr, femme DJ. (DS-DE)
 1080 WCVG FL CORAL GABLES, 12/12 0200-0209 u/o WTIC/WEEP w/schmaltz,
 ID, gone into wind. Evidently on E1. (DS-DE)
 WEEP PA PITTSBURGH, 0218-0228 reb'casting C&w from FM, many "Radio
 108"ments, ID for FM and AM EP, then off, loud. (DS-DE)
 WTIC CT HARTFORD, 12/19 0105 s/off w/weirdo "...operating w/a pwr
 of 50,000 watts in all directions... (pause) ... except at
 night..." (DS-DE) Beams it all into a well in Keene, New
 Hampshire after 6PM, I suppose. ECF.
 1100 WGPA PA BETHLEHEM, 12/26 s/on after rapid SSB 0713. (WHA-NY)
 1210 WADE NC WADESBORO, 12/19 0048-0100 ET w/Xmas mx o/u WCAU. IDed on
 hr and off. WCAU went off at 0200 this AM, also. (LS-DE)

1240 RHUM PA READING, 12/26 s/on in AGFB null after SSB 0457-0459. (WHA)
 1260 WFOK FL MIAMI, 12/19 MM 0101 w/ID after E1. (WHA-NY)
 WCEJ NC EDENSON, 12/19 gd, ID 0630, DJ gave only 1Cs, other rap
 between songs. (WHA-NY)
 1270 WOFX IN MADISON, 12/26 PEST later than skea 0230 s/off, ID 0231.
 1410 CIGO NS PORT HAWKESBURY, 12/26, C&w, call 0442 o/w.POP. (WHA-NY)
 1420 WVOT NC WILSON, 12/21 0138-0150 s./P/ID 0141, ann'd as f/c. (Ds)
 1430 WVAM PA ALTOONA, 12/13 0140 rr, mx radio bits, used to s/off 0100;
 AN again? (DS-DE)
 1450 WILM DE WILMINGTON, 12/19 a// nx, ID 0614 after interminable
 wx (Don't laugh, it's been raining here for a month, hi,
 ECF). On other freqs it'd be OK, but on a GY, it was like
 a forecast for every region on earth. (WHA-NY)
 1470 WMMW CT WATERBURY, 12/19 s/on 0600, no SSB. (WHA-NY)
 1490 WPKY KY FRANKFORT, 12/12 0006=0008 w/wnd of nx/wx, s/off, SSB, to
 return 0530. (DS-DE)
 WSIB SC BEAUFORT, 12/12 0056-0113+, atop most of AM w/rr, many
 ments of WSIB. (DS-DE)
 1560 KCJJ IA IOA CITY, 11/28 0118 w/Weather Check, KCJJ nx promo, rr,
 then on pops WCNW w/C&w mx E1, all u/WKRC OC. (DS-DE)
 WSRF FL FOOT LAUDERDALE, 12/26, segued dozens of PSAs between
 0445-0450, ID, more PSAs. Send in your announcements. (WHA)

That's it. Nice section this week folks; keep up the good work.

Reporters

WHA	BILL ANDRES	Copiague, NY	HA600, 1953 Zenith
CG	CHARLES GEORGE	Dallas, TX	SSR-1, SM-2
JK	JOHN KROMKA	Montville, NJ	DX-160, LW
ASL	ALBERT LOBEL	San Diego, CA	RX
DS	DAVE SCHMIDT	New Castle, DE	Unrealistic FRT
W'ski	BOB WESSOLOWSKI	Milwaukee, WI	Short Range, Chicken
ECF	Me	Menlo Park, CA	Wire

John Kromka: I can't find the info on KLAQ, but I'm almost certain that
 it was reported by a WGer.

Until next time, 73:

*****ECR***** *Em*

STATIC FROM HQ

Appropriate enough for winter, just a little static this time around...
 Our poor secretary is busy looking for a new battery for his calculator
 because he's counting the votes for the NRC convention site. If you
 voted, thanks for doing so and if you didn't, we're sorry but it's too late
 now. We will count any vote that was postmarked by Jan. 15 and we will
 announce which city (Atlanta or San Francisco) will host the club over
 Labor Day weekend in the Jan. 30th issue of DX News...please stand by!!!!

The only other thing we have this time...Dan Myers has come out of the
 place he was hidden and his new phone number and correct address are on the
 back page of this issue. Dan asks that anyone with a late test please call
 it in to him rather than mailing it so he'll get it on time.

We now return to our regularly scheduled program...see you next week!

THEY JOINED

Welcome aboard and please Muse soon to introduce yourself.

Roger A. Morby, Ushers Road, Ballston Lake, New York 12019
 George W. Jensen, 4604 Anntana Avenue, Baltimore, Maryland 21206
 Robert A. Riley, 5026 Smoketalk Lane, Westerville, Ohio 43081
 Bob Coomler, 2430 Bonmark Drive, Ojai, California 93023
 Wendell Stagner, 8635 Highwood, San Diego, California 92119
 Larry Glass, Hidden Valley Ranch, P. O. Box 62, Mad River, Calif. 95552

INTERNATIONAL DX DIGEST

CHUCK HUTTON
P.O. BOX 2087
DECATUR, GA. 30030
404-633-1198
(BEPOND 2300 ELI)

Times are GMT. For ELT subtract 5 hours. Deadlines are usually Monday.

Please pardon the typewriter for this issue at least. Kellogg's is now providing the monthly house payment money (ex Bio-Lab) so no more nice IBM electric with automatic error correcter. Look for a 100% increase in typos, hi.

Wonder of wonders, a TA column this year. I was beginning to believe it wasn't going to happen this season.

A word about the LW loggings. There appears to still be some anti-LW sentiment in NEC so I want to say that in my opinion there is an awful lot of similarity between LW and MW TA DX'ing, much more than between MW and even 100 meter SW DX. And because of that and the fact that they never take up much room anyhow I will gladly run these.

- 151 WEST GERMANY DLF Donebach 12/23 at 2315 GO female announcer, faded out in a few minutes. (Jones)
- 155 ROMANIA Eliasov 12/23 2320-2330 w/weak sig, Romanian and classical mx. (Jones)
- 164 FRANCE Alois v good w/light vocals at 0515 12/23 and also 12/26 at 2250 w/Elton John and other r/r but weaker sig. (Hayes) 12/22 0030-0100, 12/23 at 2250, and 12/24 at 2235 w/FF and Xmas mx. 12/25 2215-2300 loud sig w/FF and holiday mx. (Jones)
- 180 WEST GERMANY Saarbrücken Europa One 12/23 2245-2330 FF/pop mx, 12/24 2240-2310 FF/Xmas mx, 12/25 2225-2300 FF pop and rock mx. (Jones)
- 200 GREAT BRITAIN Draitwich 12/23 EE BBC mx, female announcer; 12/25 2215-2300 EE/pop mx w/female announcer, fair sig. (Jones)
- 209 MOROCCO Asilal 12/22 0130 AA mx w/female announcer, 12/23 2300-0130 and 12/24 2240-2300. Sig peaked to ST, good. (Jones)
- 218 NAMACO Monte Carlo 12/23 2305-2330 FF/holiday mx and rock mx. 12/24 2240-2350 fadeout, 12/25 2210-2300 FF/holiday mx. (Jones)
UNID here w/mx w/beacon 0515 12/23, too much noise to describe what kind of mx. (Hayes) Monaco the only choice-CH
- 527 COSTA RICA TICAL R. Hambro, Cartago 12/23 0740-0800. Good copy with local Latin mx pgs. (Jones)
- 539 HUNGARY no positive ID but almost certain. 12/26 2250-2339 weak at first, up to ST 2300, classical mx to 2300, then female-male commentary and at 2300 into light classical orchestra mx featuring cornets. A few bars of trumpet-cornet served as an IS at 2333-more like the Foreign Service IS, not the Kossuth IS at all. Female talked until 2339, no MA, no w/off, just cut out. (Hoffman)
Their new segway tx is on, sounds like you had them all right. How about sending me a copy of the IS and I'll have one of our European friends take a listen-CH
- 548 ALGERIA Oran noted w/male AA scanning 2321 12/23. (Connelly)
- 552 COSTA RICA San Jose TIRBJ positive ID as R. Libertad 0230 12/20. (Hoffman)
- 611 MOROCCO Sebba-Aioum (ex 612) m w/men in AA, fair audio on potent carrier 2319 12/23. To fair peaks w/chanting 0626 12/24. (Connelly)
- 638 SPAIN La Coruna fair to good w/men in SS 0524 12/24. (Connelly)
- 640 CUBA Habana CMQ all over WR10 1643 12/21. (Hoffman)
- 647 ENGLAND BBC Duxbury strong w/CM 0420 12/26. Also noted 2203 12/23 w/nx. (Hoffman)
To fair peaks w/operatic male vocal-possibly r/lgs Xmas mx-2317 12/23. EE discussion then British Isles w/ 0656 12/26, good. (Connelly)
- 665 PORTUGAL Lisboa in w/big carrier, shallow modulation on mx 0622 12/24. (Connelly)
USIN (tentative) 12/26 0255 short fade-in w/male-female commentary. Two sigs there 0305. No ID. looped Lithuania and what else could it be-language not pinned down definitely but European. Other carrier a mystery. (Hoffman)
Portugal is AN and surely you heard them- the oth r stn could be Kaunas or the German with the edge to the latter-CH
- 683 SPAIN Sevilla strong w/mx 0026 12/26. Alone on the channel at the time. The Yugoslav has rarely shown up here this season. (Eckman)
- 701 MOROCCO Sebba-Aioum good w/AA chanting w/ man 2314 12/23. (Connelly)
- 719 PORTUGAL Norte good w/men in PP, o/WGN slop 0616 12/24. (Connelly)
- 720 CUBA CMGN Colon 88 w/WGN looped 12/21 1700-just like the 60's when Cuba and Haiti were all day visitors. (Hoffman)
- 737 SPAIN Barcelona strong w/mx definitely //683 0029 12/26. Alone on channel. The Israeli (or anyone else for that matter) has not shown up here yet this season. (Eckman)

- 737 SPAIN Barcelona fair to good w/men in SS, CSL milled 2319 12/23. (Connelly)
- 746 UPPER VOLTA Ouagadougou fair w/AA talk thru WABC slop 2307 12/23. Very good w/auspella AA male waiting 0615 12/24. (Connelly)
- 764 SENEGAL Dakar fair w/AA talk thru WABC slop 2307 12/23. (Cops, the TA6 log above is for 746, sorry-CH. The real TA6 details are: poor to fair w/men in PP w/heavy SAH 2331 12/23) (Connelly) presumed the one w/strong sig 0606 12/26 w/men in unid lang. (Eckman)
- 773 SPAIN Cáceres/San Sebastian slnt w/men in SS 2306 12/23. Loud w/SG talk 0657 12/26. (Connelly)
- 782 PORTUGAL Miramar poor w/mx in slop 0015 12/24. (Connelly) seemingly signing on 0559 12/26 w/OC, time pipe, and IS that they play on the hour. Strong sig. (Eckman)
- 810 BAHAMAS ENB Freeport in w/good sig w/WGY off 12/12 at 0609. B. Bahamas ID then "Outstanding Woman of the Year" contest. A mild low het. (Hayes) Nice-
- 818 MOROCCO Rabat fair to good w/men in AA then fragments of cl mx followed by more AA talk, //827 0019 12/24. Good w/female AA chanting and flutes 0723 12/24. (Connelly)
- ANDORRA semi-local sig and alone 2057 12/26. (Hoffman)
- 827 MOROCCO Oujda blasting in w/interspersed AA talk and cl mx //818 0020 12/24. (Connelly)
- 836 FRANCE Nancy good w/FR Culture pgs //863, 1554 0515 12/26. Easily separable from Belize. (Eckman)
UNID Spain or Canary Islands; SS talk dominant o/a pile of others 0724 12/24. (Connelly)
- 845 ITALY Rome local like sig w/YL w/FF mx 0031 12/26. GC mx w/YL 0033, usually given by OM. (Eckman)
- 850 COLOMBIA HREC Bogota 12/26 1056 w/bary Caracol ID's and mention of Bogota. Xmas mx, KDA off. (Lobel)
- 863 FRANCE Paris w/local like sig w/France Culture pgs 0515 12/26. Still in at 0740 in FF. (Eckman) fair w/FF talk 0708 12/26. (Connelly)
- 872 SPAIN/UNID Zaragoza assumed w/instrumental mx 0034 12/26. Fast SAH present, AMN Germany?? (Eckman) Zaragoza likely w/pop mx w/SAH (APF?) 0040 12/24. (Cops)
- 881 GREAT BRITAIN Washford BBC loud w/OC and short pip every thirty seconds prior to normal programming, SAH under (probably the German) 0712-0714 12/26. BBC was really jamming WGBS at the time. (Connelly) Now if WGBS wasn't MSP they wouldn't have this problem-CH
- 890 COLOMBIA Bogota HJCE ID as "La Voz de Bogota" at 0627 12/12 then into mx. Mx was light vocals. Excellent sig w/WLB apparently off. (Hayes)
- 899 ITALY Milano surprisingly strong w/YL in FF w/nx //845 at 0031 12/26. No problem from the 900 domestics. Haven't noticed this one too often this season. (Eckman)
- 900 COLOMBIA Cali, La Voz de Cali 12/26 at 1000, talk w/frequent mentions of Cali, typical Colombian mx. Just barely audible. (George)
- 908 BARBADOS R. Barbados w/soul mx 1015, hard to hear w/noise & fading. (George)
- 936 GREAT BRITAIN BBC in w/OC at good strength, weak audible het present on the low side 0025 12/24. (Connelly)
- MOROCCO Agadir still on 936 despite the return of the 611 and 1043 stns which had jumped up one kHz. Agadir was weak in the slop w/talk by woman, feeble 936 het occasionally present, 0729 12/24. (Connelly)
- 962 UNID carrier/bits of mx in slop 0030 12/24. (Connelly)
- 989 SPAIN/UNID possible SS male vocal atop second stn (RIANT) yielding .7 Hz SAH; same CH 990 WJM 0037 12/24. (Connelly)
- 995 ECUADOR HEWE R. Buceco, Guayaquil 12/13 0250-0300. Definite ID then typical mx. Fair sig. (Jones)
- 1000 COLOMBIA Cartagena EJAQ vy strong sig 0705 12/12. WJFL off. (Hayes)
- 1016 WEST GERMANY/TURKEY fighting it out in dead heat 2204 12/26. GG won by 2215 and then hit 99. (Hoffman)
- 1020 UNID 12/26 Latin American stn here. ETWQ and KRCQ off, but lots of GEN making nothing but hash out of the LA. Bearing 127 degrees. (Lobel)
VENEZUELA YRS La Asuncion ending long drawn out vocal at 0715 12/12 and R. Margarita ID, very strong. (Hayes)
- 10 SPAIN San Sebastian good w/men in SS w/SAH 0658 12/24. (Connelly)
- 10 MEXICO EXRN Mexico City vy good here at 0720 12/12 w/L. Centre ID's and characteristic musical flourishes. (Hayes)
- 1034 PORTUGAL Porto Alto poor w/vocal mx in WBS slop 0012 12/24. Bouncy w/tempo Muzak, then man in FF. Good w/WLB milled 0657 12/24. (Connelly) slnt w/nx in FF, IS noted at 0603 12/26. Fast SAH noted (Maybe Italy). Still slnt and alone on channel 0750. (Eckman)
- 1043 MOROCCO Sebba-Aioum definitely back on 1043; SS soul song then mx in FF to good peaks 0659-0703 12/24. (Connelly) presumed the one here w/r/r mx, announcer in FF 2227 12/23. (Eckman)
- 1061 PORTUGAL Norte noted w/woman singing Christmas hymn 0009 12/24. (Connelly)
- 1070 VENEZUELA Maracaibo TVNA down w/destination w/2 R. Zulia ID's after each uptempo tune at 0225 12/12. Fair sig w/deep fade. (Hayes)
- 1085 UNID LA 0250 12/24, routine LA mx but no ID's at all. B6 or so but caught nothing to pin it down. Looped CA. (Hoffman) Tia R. Aeropuerto, Honduras-CH

1088 GREAT BRITAIN Crowborough BBC strong all evening 12/26 w/EE pgn. Often a problem separating it from WBAL 1090 but usually audible. (Eckman) Good w/EE folk rock, then man and woman in EE 0652 12/26. (Connelly)
1097 UNID talk by woman surfacing briefly thru slop 0706 12/24. (Connelly)
1124 UNID loud tone tester 0007 12/24. (Connelly)
1196 WEST GERMANY/UNID Munich VOA assumed the one here w/xlnt sig 0616-0700 12/26. Definitely in EE when talk heard. Slow SAH on channel throughout. Somewhat outdated EBU info (1975) indicated Morocco unlikely as the second station. After 0700 second station was alone w/talk sounding like PF, so probably the PF listed here. (Eckman) Careful, the Berbere net has a SS pgn and weak SS and PP are hard to tell apart-CH.
MOROCCO Agadir likely as the FF talk then FF vocal loud 0710 12/24. VOA not sked to be on past 0700 per WRTH. Agadir assumed with SS influenced female vocal (looping east) o/u apparent VOA OC (looping NE), fast SAH resulting 0649 12/26. (Connelly)
1205 FRANCE Bordeaux fair w/FF talk 0713 12/24. Good w/man in FF 0646 12/26. (Connelly) finally heard w/FF mx 0614 12/26. Truly xlnt sig for the next 2 1/2 hours; as strong as 1214. Still there (just barely) as late as 0902. Fast SAH noted on sig around 0630, perhaps Sierra Leone. (Eckman)
1210 UNID SS w/WCAU off. ID as "R. Colombia" at 0750.12/12. HJJP? (Hayes) See last week's IDXD, sure sounds like La Voz Amiga-CH
1214 GREAT BRITAIN synchronised BBC outlets fair w/nx in EE then BBC ID, some WCAU splash 0004 12/24. Loud w/US c&w song, then EE talk followed by disco mx 0739-0741 12/26. Still good w/EE talk 0824 12/26. (Connelly) Finally noted without the benefit of local WCAU (which was off) 0614 12/26. EE rr mx, British accented amnr w/Radio Two SID's. Still xlnt at 0800 w/TC, pips, nx. Still audible at 0902 and probably later had I stayed up. (Eck)
ALBANIA/UNID 12/25 0315-0340 unid here w/female amnr and typical USSR format 0315-0322, looped 30 degrees or so, but had only 3-4 minutes good as open carrier came on at 0319-possibly Tartu? Albania s/on 0330 and right into AA. (Hoffman)
1268 EAST GERMANY DLF Neumunster vy good w/talk 0025 12/26. Traces noted 0858 even as R. Paradise was signing on. (Eckman)
1313 NORWAY Stavanger loud w/cl mx atop apparent PP speaker 0641 12/26. Talk in a Germanic lang fair 0658-0702 12/26. (Connelly)
UNID usual local pest WCAM 1310 off around 0800 12/26 making this freq DX-able. Noted good carrier here 0810 but no audio. Checked back around 0840 and had a conversation in progress between man and woman in a lang that definitely was not SS/FF/II/EE or similar. Thus Spaniard listed here was probably not the source. Quite good 0843 w/woman speaking (have on tape) in a sing-song type lang. Definitely makes me think of Stavanger but the very late time and less than optimal cx seem to preclude it. Germans on 1268 and 1586 were still in at 0850 so would assume that Stavanger not impossible at this late time. Is anyone able to calculate time of effective ionospheric dawn for the Phila-Stavanger path this date? (Eckman) Send me a copy of the tape and I'll have Yngve Mattson in Tansjarv, Sweden listen to it. As for cx, that night was not exceptional enough by any means to make me think this was Stavanger.
1349 MAURITANIA Nouakchott fair w/female AA chant, alone w/loop peaked due east; mixed w/SAH from France and heavier domestic slop w/loop peaked NE/SW, at 0613 12/24. (Connelly)
1376 FRANCE Lille good o/1380 slop, Animals record played 0640 12/24. Xlnt w/man in FF 0736 12/26. (Connelly)
1394 ALBANIA Lushnje superloud w/military style mx, then carrier dropped off, 2326-2327 12/23. (Connelly) Strong 2115 12/23 in FF-cheap thrill-thought I had Togo. (Hoffman)
UNID strong audio here of a man and woman talking. Lang unk, 12/26 at 2215. (Hayes) No doubt Albania-CH
ALBANIA (belongs above-CH) faded in at 2041 12/23. Xlnt at 2058 w/trumpet IS. In EE 2200-2230. (Eckman)
1403 GUINEA Conakry strong 0401 12/25, usually the best time for this stn for some reason. Much stronger than in the evening, which is the best time for Benin et al. (Hoffman) Good w/talk by man in native vernaculars 0638 12/24. (Connelly)
1421 WEST GERMANY Saarbrucken poor w/GG talk and organ 0636 12/26. (Connelly, last two) assumed the source of fair carrier 0056 12/26. No audio noted. (Eckman)
1439 LUXEMBOURG Marnach potent w/rr mx, American sounding DJ 0039 12/26. Better than average signal this evening compared with its performance so far this season. (Eckman) To good peaks w/Simon and Garfunkel 0634 12/26. (Connelly)
1465 ECUADOR HCDY4 R. Iris, Esmeraldas weak but frequent mentions of Esmeraldas 2405-2420(0005-0020?-CH) 12/19 after Monaco's s/off. S5-6 tops w/frequent and long fades. Pretty good for 3 kw. (Hoffman) Note correct freq Bob-CH
1466 MONACO Monte Carlo assumed w/man talking in what sounded like AA 2215 12/26. Numerous hets between 1205 and 1502, rest of the band seemed dead. (Hayes)

1466 MONACO Monte Carlo S9+30 12/26, has had exceptional sig lately, cuts off 2400 sharp. But for that, signal at such an early time is really like the 60's. (Hoffman) Good w/AA sounding talk 2324 12/23. Bouncy pop mx then man in FF 0625 12/26. (Connelly) fading in at 2036 12/23. Good in GG at 2114. (Eckman) 2305-2330 in and out, usually weak w/50% readability on peaks. EE religious pgn, caught the phrases "Trans World Radio" and Monte Carlo at 2328 ID. (Breville) Welcome to IDXD, Walt.
1475 AUSTRIA Wien poor w/cl mx 2323 12/23. Austria clear and alone w/loop set for NE pickup, SAH mess present w/loop set for east pickup. (Connelly)
1502 POLAND (tentative) assumed w/TL in Slavik type lang 0501 12/26. Caught what seemed to be the last few seconds of their piano IS at 0500 but not positive. (Eckman)
1534 FRANCE Nice strong w/YL in FF 0626 12/26. Still in at 0748 but considerably weaker. (Eckman)
1562 INTERNATIONAL WATERS (tentative) rock mx poor to fair 0621 12/26. (Connelly)
1578 UNID'S Portugal/Italy suspected: pop mx then talk by woman o/second stn, both fair 0619 12/26. (Connelly)
1586 WEST GERMANY Langenberg in w/blockbuster local like sig, loud German "oompah" band mx 0618 12/26. Vy loud w/GG operetta w/male and female vocalists 0733 12/26. (Connelly) xlnt w/rr mx 0022 12/26. At local level 0555 w/OM speaking. Traces still audible as late as 0846. (Eckman) 12/3 0540-0600, fair sig w/GG light mx and female singer. (Jones)
1594 UNID Portugal or British locals possible: female vocal in and out of noise and adjacent channel splatter 0732 12/26. (Connelly)
1602 UNID a sig noted here w/talk, so much weaker than 1586 that I have to suspect that Munich was off and weaker 1602 stns were being heard. Reception at 0730 12/26, WUNR off. (Connelly)
WEST GERMANY BR Munchen strong w/mx 0023 12/26. Audible past 0807 on this date. (Eckman)

FRANCE MATERIAL

Via Dan Bartek (heard over HCJB's DX pgn) Bonaire 800 is rumored to possibly be shutting down in the near future.

News from Arctic Radio Club . . . Attention Cooper, Merriman et al, YVRS R. Margarita now verifies with a card. V/s E. Bellorin, Gerente. Paraguay sked for R. Presidente Stroessner on 885 is 1000-0500. ZP35 La Voz de Misiones, San Juan Bautista de las Misiones is a new stn on 1427, nominal 1430. West Germany 1268 is beamed north all the time. 1538 is screened towards Vatican and England at night. As of October 3, Bremen moved to 935 from 936. AFN is to move to 1106 in Nov. (I assume this is next November-CH) Libya Tripoli has settled on 1402, having drifted around recently in the area. Chile CAB2 820 R. Regional ex Nacional. CBB4 R. Diego Portales now 1 kw ex 10 kw. CB121 R. Univ. Tecnica del Estado now 10 kw ex 25 kw. Ecuador 915 HCR03 Ondas Orenses ex HCRU3. HCA05 R. America ex HCAU5, on 985. HCEP5 ex HCEP5 on 1045.

Juergen Trochimczyk sent along this list of CA changes observed from travelling . . . Costa Rica TILX 725 now 25 kw. El Salvador YSTA 990 s/off 0500. Guatemala TGKL 910 ID's as "KLI". Colombia 1200 HJ1J R. Colibri sked 1100-0600. 1320 HJMS R. Regia now a Todelar stn. Ecuador HCMJ1 615 Em. Gran Colombia now 50 kw. Mexico XBOC 560 is missing in the WRTH 77. XERPO 710 uses R. Variedades, and XERA 760 in San Cristobal las Casas is on the air. Nicaragua stn noted on 640a in Managua, so the stn listed in IDXD a few issues ago is definitely on. A stn on 1340a w/ID Radiodifusora Ondas Sonora noted in Managua. Panama 1100 R. Mil, Panama noted.

Reporters-

Walt Breville	St. Louis, Mo.	HQ180A, SM2
Mark Connelly	Arlington, Mass.	R390A, TRF, SM2
Richard Eckman	Philadelphia, Pa.	HQ180A modified, Sanserino loop
Charles George	Dallas, Texas	SSR1, SM2
Bob Hoffman	Ocean City, New Jersey	HQ180A, SM2, Sanserino loop
Harry Hayes	Gouldsboro, Pa.	Zenith T0, SM1
Harry Jones	Vienna, Va.	SPR4, Palomar LF converter, DA3, SW4A
Albert Lobel	San Diego, Ca.	DX160A, Sanserino loop

Out of space. Your name could be gracing print-report to IDXD !

MORE.....NOSTALGIA

Thanks for the favorable comments received after the "Nostalgia" issue. Another 3-page section follows and we have still more pictures "on hold".

Pat Hartlage



The National Radio Club Convention in 1937 was held on June 20, at York, Pennsylvania. The picture above was taken by Warren Routzahn.

Front row (left to right): Luther Grim, Bob Weaver, the club President, John Cooper.

Center row: Harold Criswell, Richard H. Cooper, Jack Horner.

Top row: Arthur Schlobohm, George Brode, Kermit Geary.

At side: Art Brackbill

CFAC	690	Calgary, Alta.	500w	CJOG	1120	Lethbridge, Alta	100w
CFBO	890	St. John, N. B.	500w	CJOR	1210	Vancouver, B. C.	500w
CFCA	1120	Toronto, Ont.	500w	CJRM	665	Moose Jaw, Sask.	500w
CFCF	1030	Montreal, Que.	500w	CJRW	685	Winnipeg, Man.	500w
CFCH	930	North Bay, Ont.	100w	CKAC	730	Montreal, Que.	5000w
CFCN	985	Calgary, Alta.	10kw	CKCD	730	Vancouver, B. C.	100w
CFCO	1210	Chatham, Ont.	250w	CKCI	645	Quebec, Que.	100w
CFCT	630	Victoria, B. C.	50w	CKCK	980	Regina, Sask.	500w
CFCY	580	Charlottetown, PEI.	500w	CKCL	580	Toronto, Ont.	500w
CFJC	1120	Kamloops, B. C.	100w	CKCO	890	OTTAWA, Ont.	100w
CFLC	915	Prescott, Ont.	100w	CKCR	645	Waterloo, Ont.	100w
CFNB	1210	Fredericton, N. B.	50w	CKCV	880	Quebec, Que.	50w
CFQC	910	Saskatoon, Sask.	500w	CKFC	730	Vancouver, B. C.	50w
CFRB	690	Toronto, Ont.	10kw	CKGW	840	Toronto, Ont.	5000w
CFRC	930	Kingston, Ont.	50w	CKIC	1010	Wolfville, N. S.	50w
CHCH	1200	Montreal, Que.	100w	CKLC	840	Calgary, Alta.	1000w
CHCK	960	Charlottetown, PEI.	100w	CKMC	1210	Cobalt, Ont.	50w
CHCS	630	HAMILTON, Ont.	500w	CKMO	730	Vancouver, B. C.	100w
CHGS	1120	Summerside, PEI.	100w	CKNC	960	Toronto, Ont.	500w
CHLP	1200	Montreal, Que.	100w	CKOC	630	Hamilton, Ont.	500w
CHLS	730	Vancouver, B. C.	100w	CKOK	540	Windsor, Ont.	1000w
CHMA	580	Edmonton, Alta.	250w	CKOV	1200	Kelowna, B. C.	50w
CHML	880	Mount Hamilton, Ont.	50w	CKPC	880	Preston, Ont.	100w
CHNC	840	Toronto, Ont.	5000w	CKPR	890	Port Arthur, Ont.	100w
CHNS	815	Halifax, N. S.	500w	CKTB	630	St. Catherines, ONT	500w
CHRC	645	Quebec, Que.	100w	CKUA	580	Edmonton, Alta.	500w
CHWC	960	Regina, Sask.	500w	CKWX	730	Vancouver, B. C.	100w
CHWK	665	Chiliwack, B. C.	100w	CKX	930	Brandon, Man.	500w
CHYC	730	Montreal, Que.	5000w	CKY	780	Winnipeg, Man.	5000w
CJBC	840	Toronto, Ont.	5000w	CNRA	630	Moncton, N. B.	500w
CJCA	745	Edmonton, Alta.	500w	CNRH	815	Halifax, N. S.	500w
CJCB	880	Sydney, N. S.	50w	CNRO	600	Ottawa, Ont.	500w
CJCJ	690	Calgary, Alta.	500w	CNRV	1030	Vancouver, B. C.	500w
CJGC	910	London, Ont.	5000w	CPRY	840	Toronto, ONT.	5000w
CJGX	630	Winnipeg, Man.	500w	VAS	685	Glance Bay, N. S.	2000w

Submitted by Jerry Starr
Typed by Yves Morissette

425 metres, 280w watts.

THE ONLY FRENCH AND ENGLISH STATION IN THE WORLD.

	4 p.m.	Weather and Stock Market Reports. News
	7:30 p.m.	Musical teas.
Tuesday	7 p.m.	Kiddies stories in French & English.
Thursday	9:15 p.m.	Special concerts by especially chosen artists.
Saturday	10:30 to 11:30 p.m.	Dance Orchestra. News.
SUNDAY	4:30 p.m.	Sacred concert.

LA PRESSE is the National French Canadian Newspaper and the largest circulated daily newspaper published in Canada.

Eric Cruser's Feb. 1924 CKAC verification (the reverse is shown). The frequency of 425 meters was equivalent to 705 khz. Heard at Lakehurst, New Jersey

Broadcasting began in Canada with experimental XWA Montreal (now CFCF-600), licensed in September 1919 by the Marine and Fisheries Department. XWA broadcast a musical program to the Royal Society of Canada in Ottawa which was heard clearly. The second commercial station was CKAC-730, Montreal, the first French-language outlet. Even the Canadian National Railway, in its parlor cars, had in-train broadcasts. By 1929 over 75 stations were in business. The government started collecting \$1 yearly license fees, raising \$300,000 in tax revenue. The first network was started by CN from Ottawa, Moncton, and Vancouver, and a dozen private stations leased by them. It began in time for the 50th Dominion Day celebration on July 1, 1927. There were a number of problems in establishing a native radio service though; stations were located only in the cities, leaving sparsely-populated areas unserved; "frequency-hopping" left only six channels exclusively Canadian; there was severe interference from Mexican and American powerhouses, and it was easier to use "cheap" American shows and music. So, on Dec. 6, 1925, a Royal Commission looked thoroughly into the situation, and decided that Canada's people wanted a native broadcasting service. After arguments, recommendations, and proposals aplenty, a three-man commission was formed to regulate program and technical aspects, obtaining funds from license fees and limited advertising. This was finalized into the Canadian Radio Broadcasting Commission on May 26, 1932.

Although organized in 1932, CRBC started getting itself established in 1933 when it acquired CNR-operated stations. Network programming totalled 18 hours nationally, and 30 hours regionally. An early program was for novelty entertainment. It included a... "novelty mandolin orchestra under the direction of a 15-year-old-boy. (It) was composed of five children from one family. They... produced a type of music that could scarcely be duplicated anywhere on this continent." Exchanges of programs were made with the BBC and American networks. The first program banned, said chairman Hector Charlesworth, "was that of a quack who presented a short program of hymns with a short discourse to the effect that Our Lord demanded people to use his Indian herb remedies." The CRBC-owned network totalled 88 stations, with 57 fully or partially affiliated. However, the commission was hampered by a lack of money and independence, and overworking of the three-member commission. The license fee was hiked to \$2, but that didn't help. By 1936, the network still reached less than half of Canada's population. The line charges for programs ate up 1/4 of the CRBC's budget. French and English listeners had to share the service. Programming was still sub-standard. Employees were civil servants, so the network was understaffed. So, a public, nine-member corporation was formed, somewhat like the BBC, which would better serve Canadians' needs. On Nov. 2, 1936, a new broadcasting act was passed by Parliament, forming the CBC.

Immediate improvements began with the take-over by the CBC. Production was decentralized into five zones, as compared to seven today. These were B.C., the Prairies, Quebec, Ontario, and the Maritimes. (Alberta and Newfoundland were later added). By late 1937, CBL-Toronto and CBF-Montreal were opened, alone increasing national coverage 50%. In early 1938, CBR (now CBU-690) Vancouver opened, followed in 1939 by CBA-Moncton and CBK-Regina. Programs included dance music "distinctively styled by the Dominion's leading experts of syncopation," the "Northern Messenger" programs, variety shows like the "Happy Gang" and NHL hockey (in that day, the broadcasts didn't come on until one hour after the opening face-off). By 1940, 90% of Canada got CBC programming. The CBC News Service, responsible for all newscasts, started on Jan. 1, 1941. Then, during the war (WWII), serials, home courses and drama were basic fare. In 1944, CBY-Toronto (later CJBC-860) formed the Dominion net, a lighter service, while the original net was named the Trans-Canada. These nets consolidated in 1962, making CJBC a full French outlet and CBL the English flagship. The first Low Power Relay Transmitters (LPRT) were built, and new "main" stations began in Halifax and Edmonton. They also bought CKY-Winnipeg, and it became CBW-990. (Since then, CKY was later started as a separate station). In 1971, a proposal was rejected which would have made a "Radio 1" (AM) and "Radio 2" (FM) service the radio net, the AM chain providing light entertainment, and FM more into serious music and the arts. Today, the CBC serves 99.1% of Canadians, on a budget of over \$350 million, and with a staff of nearly 9,000. (Article adapted by Gordon from the 1972 booklet, "CBC: A Brief History and Background.")

Gerry Thomas (IRCA) and Charlie Barfield (NRC, IRCA)

The Realistic TRF, as all TRF fans know, is an incredibly fine portable receiver for DX'ing the MW band, especially when one considers its low price. The chief shortcoming of this radio is its poor frequency readout, a situation that is incongruous with its comparatively good selectivity. The dial face markings are woefully inadequate and the dial pointer is laughably wide, but, on the other hand, how much more would the TRF cost if each unit were precision calibrated before leaving the factory?

While it is a simple matter to stick a strip of tape to the dial face and custom calibrate an individual receiver, this alternative often gives the TRF an unmistakably home-made appearance and unless the dial pointer is also modified, frequency readout can be less than optimal. Because we wanted the TRF to resolve frequencies to at least 10 kHz and at the same time have a fairly professional appearance, we decided to sacrifice a TRF in an attempt to improve it. As it turned out it wasn't necessary to perform major surgery on the receiver. In fact, the procedure is relatively simple, but can be somewhat tedious.

Our main objectives were to replace the present dial markings with ones that allowed at least a 10 kHz readout, substitute a much thinner dial pointer for the stock wide one, and end up with a physically attractive TRF. The first problem encountered involved how to get at the dial face and pointer since they appeared to be inaccessible from all angles. Solvents applied to the outside edges of the plastic dial failed to loosen it, but it was discovered that, after removing the back of the receiver, a firm nudge from the rear to the corner of the dial face with the eraser end of a pencil (through the hole behind the "Long Range TRF Circuit" dial face marking) was sufficient to break the gummy (rubber cement) glue holding the face plate. Needless to say, this was much simpler than we had originally anticipated. Next, the dial markings (including the logging scale) had to go. Nail polish remover and Q-tips readily removed these. Use sparingly and be careful not to get any solvent on the painted black border or the "AM" and "kHz" markings.

At this point we replaced the dial pointer, but as it turns out, this may not be the best time to make this change. We initially snipped off the metal stock pointer and replaced it with a thin (30 gauge) wire painted a bright orange. Having done this, the recalibration procedure involved first marking off frequencies on a strip of paper slipped under the dial pointer with a very sharp pencil and then remarked with ink. This calibration procedure required extreme precision (we used a magnifying glass and a bottle of Visine) and many attempts over a total of about 10 hours to obtain a satisfactory new frequency scale. This two step, pencil then ink, process lends itself very readily to error since you must first line up the pencil with the dial pointer (much harder than it sounds) and then the ink pen with the pencil marks. There is absolutely no room for error in either of these steps because a mis-alignment of a tenth of a millimeter can become a noticeable 2-3 kHz error on the frequency scale. With the benefit of hindsight it would appear that a much more accurate and far simpler procedure would be to use a stock dial pointer (its edge) as the straight edge and ink directly on the strip of underlying paper. We haven't tried this (we're out of unmodified TRF's) but can foresee no reason why this wouldn't work. With this refined procedure in mind it's now time to recalibrate the receiver.

To avoid frequency guesstimates, the best time to calibrate is when stations are audible on all frequencies, i.e. night. Using a strip of fairly stiff paper that is free of blemishes, visible fibers, etc., we cut out a strip about 6-5/8" long by about 11/16" wide so that it fit snugly in the bottom and side borders of the face and flush against the flat black back wall. It's possible to slide this strip under the pointer if the pointer is pegged at the high or low end of the scale. We initially used a medium weight, white stock poster board but later changed to a light bluish-grey color when it was discovered that the white stock tended to cause eye fatigue rather quickly. In addition the new color looks great in the TRF's grey and black cabinet. Now a decision had to be made regarding how precise a frequency readout was wanted. While it was possible (with the proper equipment) to mark

every 10 kHz up to 1600, this became difficult to read above 1000 kHz due to the crowding of the lines. The preferred alternative was to mark every 10 kHz up to 700 and then start marking every 20 kHz. With this scheme readability was improved, eye strain reduced, and the 10 kHz resolution was still retained (through interpolation).

A major problem which we encountered involved finding a pen which drew an ultra fine, jet black line. It was estimated that in order to adequately resolve 10 kHz at the high end of the frequency scale a line no wider than .5 mm. was required. In practise, this proved to be too wide and we ultimately used a .1 mm. line. Fine tip flairs, extra fine tip accountant's pens, super sharp pencils, dry transfer lines, etc. all proved to be unsatisfactory because their lines, in addition to being too wide or faint, also sometimes produced excessively feathered lines, created blobs, smeared easily, etc. Although another alternative may exist, in our opinion the pen to use for professional results is an India Ink technical drafting/lettering pen. These are sold under the names Rapidograph, Faber-Castell, etc. and can be purchased at drafting or office supply stores. A drawback of this pen is the price...\$8-\$10 with one point. Another drawback is that the point that came with the pen was too broad (.5 mm.) for our purposes and had to be replaced with a narrower point (another \$4-\$6). Some stores/brands allow the purchase of a pen with your choice of point so check around. Be sure to practise with the pen before attempting to calibrate the dial and don't exert pressure on the point... the ink flows on. Again, while other less expensive alternatives (unknown to us) may exist, we found results with this type of pen to be very good.

The refined calibration procedure follows. Using the stock dial pointer as a straight edge, carefully mark every 10 kHz up to 700 kHz and every 20 kHz above, making certain that the station representing each frequency is zeroed in. Beware of "broad" stations like locals which tend to alter the apparent kHz position of adjacent frequency stations. Except for the very low end of the scale, frequency markings within each 100 kHz range should be approximately equal. Chances are good that it will take more than one attempt to produce a professional looking precose scale.

After marking the frequencies and critically rechecking them we numbered the scale using a dry transfer lettering set. Some Radio Shack's carry these decal sets designed especially for radio (Markit Jr. Dri-Transfer Lettering, \$.99/set). Suitable (1/8" high) dry transfer numbers are also available from hobby and office supply stores but can cost \$2-\$4 per set.

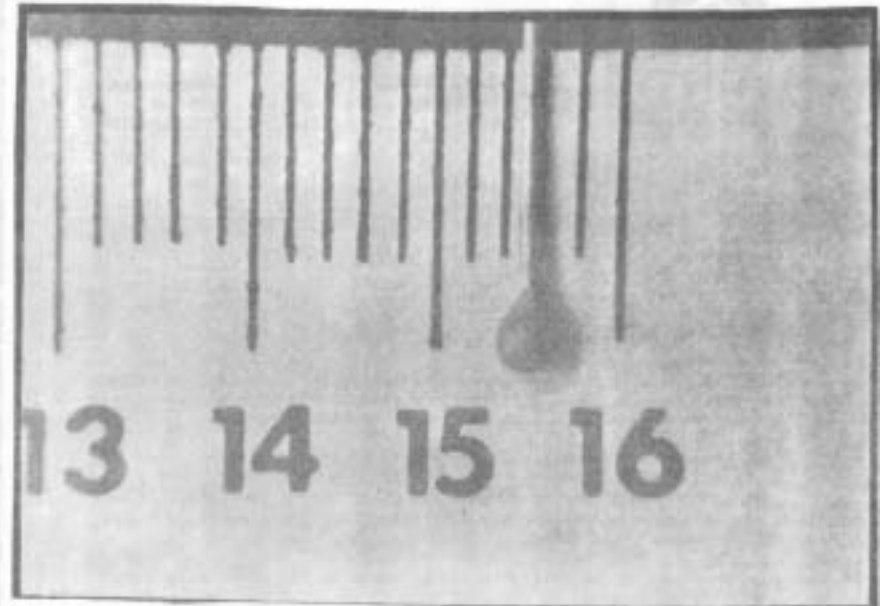
Replacing the dial pointer was a simple matter. Wire cutters were used to snip off the dial pointer, leaving about a 1/8" overhang, and a narrower pointer was glued to the underside of the stub. We initially used a straight, 30 gauge, 1/2" wire painted orange as the new pointer but found this to be somewhat difficult to locate on the scale. We discovered that a map pin or tacking pin (a straight pin with a very small colored ball on the end) mounted with the small ball down and painted orange was very easy to locate and kind of good looking too.

Now remove and cut off about 1/8" from one end of the new dial scale and lightly coat the underside with a fairly slow setting glue-Elmer's will do fine. With the radio tuned to a known station and frequency, slip the scale under the pointer and position the scale to that frequency. This is to correct for the fact that the edge of the stock pointer was used for calibration.

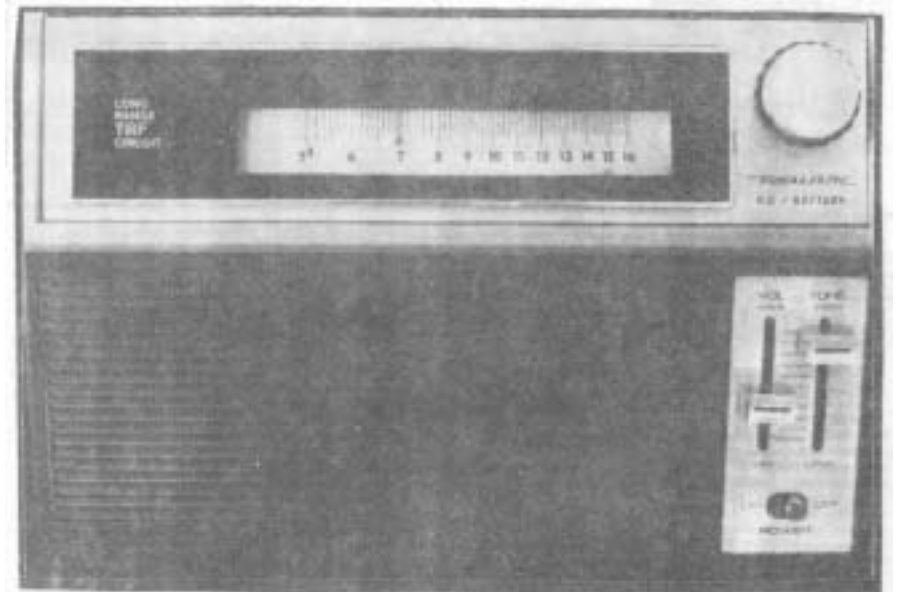
As a final touch, to cover the old/new pointer connection and frame the new dial scale, we masked off (3/4" masking tape is about right) that area of the dial faceplate that corresponds to the dial scale and painted (3-5 light coats) with flat black spray. The face plate was then fastened in place with rubber cement to allow future removal.

We now have what we consider to be a fairly attractive looking TRF with 10 kHz readout (5 kHz below 700 kHz) and one that is much more enjoyable and convenient to use. To give you an idea of what the finished product looks like, we've included some photos of the prototype. If these pictures aren't published copies can be had for a SASE.

Since we are now equipped and practised in making the preceding modifications we'd be willing to answer any related questions. We'd also be interested in knowing the results of your TRF modifications or any shortcuts you might discover. IRCAN's write Gerry Thomas, 2355 W. Michigan Ave., Apt. 460, Pensacola, Fla. 32506. NRC'ers write Charlie Barfield, 917 Fremont, Pensacola, Fla. 32505.



Modified Realistic TRF. Gerry Thomas and Charlie Barfield's patience and persistence paid off in a fine looking, more convenient to use receiver.





CKNX RADIO
DIAL 920

Wingham Ont.
NOG 2W0
(519) 357-1310

December 12, 1977.

Mr. Mike Tuggle,
909 Moores Mill Rd.,
BEL AIR, Md. 21014
U.S.A.

Dear Mr. Tuggle:

Enclosed you will find our official verification form for your recent reception report, but I felt that, in view of its unusual nature, I would like to write a personal letter of thanks to you.

It's almost unbelievable that our signal would be receivable on a crystal set in Maryland. I especially appreciate this, as I used to try for DX with a crystal set when I was a boy (and that's a goodly number of years ago!) long before the radio spectrum became the mish-mash it is today.

I am enclosing a few little tokens of interest for your collection. CKNX also operates an FM station, CKNX-FM on 101.7 MHz, and a TV station, CKNX-TV on Channel 8.

Our production department and management group were very amazed at your report, which contained very accurate details and also pass on their appreciation. We would be very interested in hearing from you again, should you ever be fortunate enough to pick up our signal again, crystal set or otherwise.

Yours sincerely,

CKNX BROADCASTING LIMITED

Scott C. Held
Scott C. Held,
Director of Engineering.

member BUREAU BROADCAST MEASUREMENT

SHERMAN DEMOCRAT, SHERMAN, TEXAS

From Jerry Morris

Lake Lavon Radio Station

By BOBBY J. CAMP

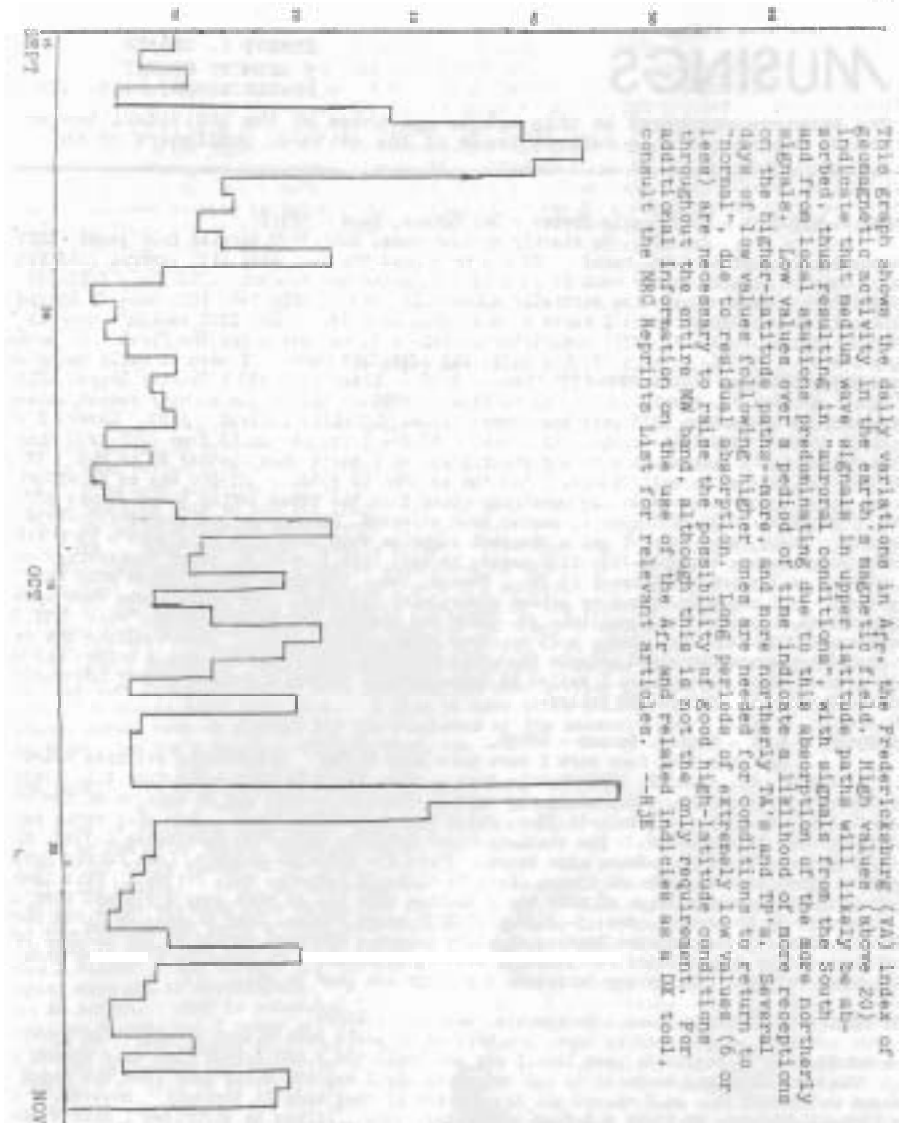
Reservoir Ranger
Lake Lavon Project
WYLIE, Collin County — The Federal Communications Commission has approved the license for a 10-watt AM radio transmitter to be located at the Lavon Project Office near the west end of the Lavon dam. Pertinent lake information will be broadcast on 1610 on the AM dial.

Information that will be broadcast on a continuing basis will include availability of fee parks, marina information, beach area information, camp site availability, fishing reports, fire and safety hazard warnings, coverage of special events, hunting information, emergency telephone numbers, information on the handicap parks, schedules of ranger interpretative programs in the parks, nature trail and motorcycle trail information and other information that might be helpful to visitors of Lake Lavon.

The 10 watts of power will provide a broadcast radius of approximately 15 miles from the transmitter. Signs will be placed along major roads leading to Lake Lavon advising you to turn to 1610 and learn what is happening at the lake. This transmitter is just another way the Corps of Engineers is trying to help you have a safe and enjoyable visit to Lake Lavon.

Visitor Center Opening

The visitor center located at the Lavon project office will be officially opened to the public Tuesday. This center shows many aspects of the past and present Lake Lavon and surrounding communities. It also has outstanding archaeological and natural history displays. The main attraction is an automatic slide program that tells the history, purpose, and recreational facilities that are available at Lake Lavon. It is a most interesting program that should be seen by all visitors to the area to better acquaint them with what Lake Lavon has to offer.



WIMB CLUB	5600 Watts, D.A. Day	No. 395
	560 Watts, D.A. Night	Michigan City, Ind., Dec. 12 1977
Pay to the Order of <u>Juergen Trochimczyk</u>		
***** <u>CKX</u> ***** Verification of Reception		
For Your Report Dated <u>November 18, 1977</u>		
From <u>4:25pm C.S.T.</u> to <u>4:45pm C.S.T.</u>		
RADIO STATION WIMS Michigan City, - Indiana		
<u>T. Charles Smith</u> T. Charles Smith, AGE		

MUSINGS

ERNEST R. COOPER
5 ANTHONY STREET
PROVINCETOWN, MASS. 02657

The opinions expressed in this column are those of the individual members, and do not necessarily reflect those of the editors, publishers or NRC.

STEPHEN J. McINTIRE - 2225 Searle Street - Des Moines, Iowa - 50317

Hi all. To clarify my last Muse, WKY-1150 carries Iowa games, KRNT-1350 carries Iowa State (WHD, both). DX has been good the past week with several good catches made. ZIZ-555 barely made it in w/ID 7:30pm for new country w/MSD-550 & KAT-560 null'd (which unfortunately also partially null'd ZIZ, hi). WRBA-1440 Ill. ex-WAKC logged battling it out w/WGEM @ 10:00; I heard them as WIOK in 1970. WFT-TEST couldn't make it past KEM that AM. 12/21- KATZ' competition, WESL-1490, was noted for the first time dominating @ 1:45am. 12/22- No sign of WLBZ TEST; all WTMJ/WFT here. I woke up early today and logged WJVA-1580 s/on 8:01 & KSM-1530 Minn. @ 8:38. Later on @ SSS I finally logged KTX-1580 Ariz. s/off 7:15, previously logged as KXND in 1966. 12/23- One of many recent attempts to log WTOP on SSS before KSTP gets too strong netted WGEN-Ill. instead @ 5:20. Later, I was surprised to find CFM-1310 topping all @ 9pm. 12/24- I caught an ID from WMO-1230 Minn. @ 3:03am but couldn't connect it with any programming so I don't know whether RS or not. 12/25- KYNN-1490 Neb. logged on call change; I had 'em as KRON in 1966. MT-600 was on AN w/Christmas mx, so my weekly attempt to log something other than the Cuban during their 3 hrs scratched. MM 12/26- WJOB-TEST came in poorer than expected, but enough was logged 1:35-1:50 for a report. During that time, I got a pleasant surprise when CFPA came in on WJOB w ID @ 1:43. Another surprise was the WORX-1270-TEST coming in very well 2:04-2:31, often dominating; amazing if they really are directional NE SW. Thanks, Ted. Tuning to 670, I noted only WFEZ slop there, so I probably missed my golden opportunity for KEOI. Oh well, maybe next week. High latitude CX seemed very good this AM. WKEW was booming in, as was usually weak WEG and rarely heard WDDR-1260 was noted @ 4:25 w/a very strong CFM looped. Unfortunately the regular periodic buzzsaw QRN which attacks the whole band but especially the top & bottom was back after a three month absence, so I called it quits without making a serious effort for much-wanted CBT-540. 73 from QRM Valley.

GARY HOUDEK - R.R. - Munden, Kansas - 66959

Now with less farm work I have more time to DX. Interesting stations heard Oct. 31, 2:26am, TT, then ID, KAAV, Little Rock. Nov. 20- KOTA-1380 Rapid City S.D. 1:45am. with church cancellations. The announcer said he would be on the air AN because of the snow storm. Nov. 24- WNEC good 11:20-11:30am, first time heard this year. One nice verie card back, KVNU-TEST heard u/WDAF. New stations heard Oct. 31, WQPI-1070 Birmingham 2:38am, mx & ID very good signal, then nothing else heard. Nov. 23- CRDM-730 Dauphin, Pa. fairly good signal at times from 11:35 to 12:05am. Dec. 3- KDSX-950 Denison, Tex. 7:13pm. This same evening on 830 there was no sign of WCCO but a station with the #2 rock sig @ 9:20pm, then local NX 9:30-9:35, no ID heard. Dec. 5- KLCU-1140-TEST heard 3:40am, fair signal, my first Nevada station, state #33. I enjoyed looking at ERC's Kansas & Nebraska veries at the LINCOLN Convention. So far I have heard 264 stations with 13 verified. My radio is a Western Aut multi-band. Times, EST - Merry Christmas & a Happy New Year to all. 73.

DICK TRUAX - 3003 Gleason Lane - Louisville, Kentucky - 40299

Well, a new year is here, & a belated Season's Best Wishes to all. DX continues at a trickle and it begins to seem like I may not break the 1,000 logged mark this season either. The best DX MM had to be 12/19 but unfortunately I was 420 miles away from the snack that weekend in Western Pa., so I missed all the goodies if they made it through! However, I did log KEDY-670 Idaho on MM 12/12 @ 2:10am u/WMAQ talk show. I was so surprised I didn't have tape running, no other IDs noted till 2:30 tuneout. That makes 46 states logged. I still need Alaska, Vt., Me., & Mont. Going back to 11/21, WGRS-1570 Ga. on test @ 2:30am w/piano mx & ID. 11/26- KSDH-1050 Ark. s/off @ 6:08pm. 11/27- WKED-1130 Ky. first noted on, evidently on since about 11/23, should make logging the state capital a bit easier for some of you if that's your bag. 12/10- WTKN-1390 Mass. s/off @ 5:45pm. Thanks to Gary Atkins, I am now the owner of a second HQ-180 & the HQ-160 is for sale - if anyone is interested, please drop me a card as I'm not sure when the next DX-change will be running. Also David Peters has a nice HQ-180 available locally, see membership list if interested. By the time this sees print the ~~waiting~~ deadline will be near - be sure to cast your vote for the 1978 Convention site and then - plan to attend! More in 21.

DAN SHERRY - Box 31 - Encinitas, California - 92024

WB6FJD

Your 1050 EE w/XERF-like ads is good (?) old XEG - XED is too high class to resort to that jive, hi! From another non-DKING NRCer - sorry! (Thanks, Dan! -ERC)

HILL HARANG - 811 Nevada Avenue - San Jose, California - 95125

New station KKAP-1540 comes in here fair during the day, but faces severe QRM near SRS & SSS from KPOL. KKAP is using the Drake-Chenault automated MoR package. The music is good, but the station is deficient-sounding in some ways. KKAP seems very weak E of its XR for some reason. KSFQ-560 has applied for 5kw U-2; the night pattern would use a second tower constructed E of the current one, w/lkw ERP NE & SE, slightly over 1kw ERP E, & more signal N, S, & W. It'll probably be some time before it's granted if the FCC OKs it.

JOHN FELTMAN - 4324 Valley Drive - Allentown, Pennsylvania - 18104

Since my last Muse, TAs have begun coming in with greater frequency: 11/27- Sevilla-683 w/soft piano mx & pips @ 8m. 12/2- Conakry-1403 @ 10:34pm w/African vocals and drums. At this point I "retired" the DK-160 since my R-390A/URR arrived. Then CX really opened up on 12/12 with 14 TAs noted between 11pm & 2am 12/13, including Munich-1602 & Switzerland-1562 good after WXR s/off. Langenberg-1586 was quite strong w/road report that mentioned Munich-Stuttgart Autobahn. Ironically, although I was in Germany last July, I didn't take time to DX - the bug hadn't bitten me again yet. There was a magnificent Grundig table RX where we were staying in Bavaria with various European MW outlets marked right on the dial, but I only tried one brief session and that was in mid-afternoon. I was more interested in German beer than German radio, hi! 12/16- Algeria-529 w/plaintive whining @ 10:15pm. 12/23- Another good opening, with Rome-845, BEC-647, Lille-1376, Bordeaux-1805, Paris-863, Andorra-818 Nice-1594 & several others all noted between 10pm & 2a, 12/24. Christmas mx w/femme SS announcer on 1025 from 1:20-2am looped TA, but seemed too strong for just 10kw. Does anyone know if San Sebastian is directional toward U.S.? This definitely didn't sound like an LA - the format was too subdued. 12/26- I caught two from Portugal for country #42, Lisbon-655 & Porto-1034 after 1am. Also BEC-1214 w/pop mx @ 2:10 & WORX-1270-TEST @ 2:07. That's it. 73.

ELLIOT R. STRAUS - 72 Sweet Briar Drive #4 - Clark, New Jersey - 07066 201-574-1199

Great news. My shack got two Christmas presents from me. An altaz loop built to perfection by STEVE BOHAC, and an H2-180 all to go along with the R-390A. The Alt Loop is much better than the SM-2, producing sharper and much deeper nulls, especially on locals. I've been experimenting lately with an idea I got from Ed Shaw while I was in NASNA. I ran the 390 & 180 both to the Alt loop, then ran both RXes to different sides of a set of headphones, by using different settings on the two RXes of the antenna trim, bandwidth, RF & AF gains, etc. Some interesting results occur. I've been able to create an intelligible signal on a frequency where nothing could be understood on either set alone. Has anyone else tried this system? On comparing the H2-180 & R-390A I honestly have yet to find a significant difference in the two sets with the obvious exception of the direct frequency readout on the 390 but using them both it doesn't matter that the 180 doesn't have it because I know exactly where I am on the 390. I'm growing quite fond of the 180. As for recent DX: The only newie since last Muse was KLOU-1580 3am, reported, and verified. Veries in: CJOY-1460, CHIK-1540. I must say that Canadians verify more promptly and with greater overall return rate than domestics, I've always found this true. I seem to have hit a lull in my DXing, but the above additions should keep me psyched for the remainder of the season. Now I need to get out of this apartment, and buy a house. With further, ado --.

PAUL MOUNT - 471 Emerson Avenue - Teaneck, New Jersey - 07666

After I send this 12/14, I'll try to go into seclusion to study for finals. After this Muse is published, use N.Y.C. address (planning ahead here). Now, to tell of what turned out to be one of my better weeks of DXing from Teaneck. MM 11/21, with TRF, SM, turntable, tape: 1400: Movie themes 12:52-12:57, WCKX, Scranton. Man spoke on behalf of WCKX for 12:57 s/off, log change. 1:00, an inconclusive "You're listening to the best station". Between 1 & 1:05, three stations were noted, two rr, one AI NX. WLLH, Lowell/Lawrence was first to ID @ 1:07, then Debbie Boone's voice trackable in hash to a 1:11 "More mx from FM-99" jx. I didn't know if these was WSS: (WLLH's Fr) on 99.5 or what. WOND, Pleasantville, N.J. IDed @ 1:13 atop a minute. The tip-off for the other was a PSA which I taped, copied almost word for word saying Main St. in Northampton. A call to 413-584-4275 confirmed WHEP @ FM (99.3) simulcast. See AM Switch. WHEP is automated T-40 (Drake) mx. I hung around past 2am while the two Mass stations fought, but I never got WHEP's legal ID or tape file. 2:10, WNN ET/TT; CHUM loud otherwise. WOR testing 2:12 - did they notify ERC? (No, that CE's gone from the scene now - ERC) While looking for WGRS-1570 Ga. test (thanks to Frank Dailey for call & tips) I heard WTR4 560 N.C. loud 9m ET ID, 2:39. WGRS not heard, nor KT40-1030 thanks to local WVDJ appearing there. 2:57 NX on 550 was pest "GR-5," Buffalo, but also there was CPNB N.B., not heard quite as often. At 3 they had "Atlantic Jamboree" c/w show, QRM from WGR I another CHM station. On 620, WHEM, TT, & NX noted @ 3:04. Tape playback of 3:05 revealed end of WBC NX, & WTMJ jx. I listened till 3:09, format seemed POL, w/femme DJ, "All Night Train", not heard in 3 1/2 years. Now to 1230, mention of Manchester 3:22 w FFC QRM. Various mx noted through 2:30, one had "Gary Arnell Show" mentioned twice. WKED tentative ID @ 3:35. 4, "WINE State & Local NX". Then right after that NEC station, W--- radio news time, I'm Don ---. Tape playback sounds like WYSS/WYEB/WYSD/WYDZ/WYDE/WYSP/WYSU, a little different each time! Well! This MM took a lot of space itself, so the Thanksgiving weekend & contest DX next time plural. "E to the 4.29046."

ERIC FADER - 23-35 Bell Boulevard - Bayside, New York - 11360

SM 12/18- CHLD-1330 & their 1340 // both heard @ 1:05am. WBRF-950 good signal o/WPEN, no sign of most-wanted WLOF, Fla. CX are still awfully spurry. Tues. 12/20- WJMA-1250 S.C. in well, rare, 7:08pm, but the extreme AU CX soon faded. WWD-1240 w/"3-W-D" u/WGB3's Islanders Hockey. Fri. 12/23- CEV-990 w/Christmas program, on-the-hour (9pm), IDs only as "CBC Radio" and "CBC Newfoundland", into NX, ERC; is it my imagination or does the Canadian pronunciation of Newfoundland accent the "found" syllable? (I don't recall, Eric; I'll check it out -ERV) Believe it or not, this station was a newie because a WABC spur covers 990 in my bedroom. I had to go into another room to hear it. More later. 73s.

THE HOLY DAYS, THE HOLIDAYS, AND THE HOLLY DAYS ARE OVER AND NOW 'TIS BACK TO NORMAL WITH PROVINCETOWN MUSINGS DEADLINE EVERY MONDAY. PLEASE DOUBLE SPACE - AND - PLEASE MUSE! SEND IN ALSO YOUR LATEST VERIE SIGNERS, ALSO DOUBLE-SPACED, PLEASE, WEDDING OUT ANY REPEATS.

STEPHEN H. PONDER - Box 22635 - Fort Worth, Texas - 76122

Hello again, this time from the marshlands of Louisiana. I hope all of you had a joyous Christmas holiday time - mine was both joyful and well-enjoyed; I'm looking forward to New Year's Day. Being home for the holidays certainly is therapeutic - I left school sick, got home, and all pain and misery eased away! I think it was just a misplaced case of home-sickness. Since I've been home, I've received several verifications - they are: KLVI-560, WNAZ-570, CEL-740, KXKX-950, & KYLR-1150. All but CEL were letters, CEL's being a card & a brochure. I was glad to get KLVI's letter - I had tried them at least four times before I lost contact, hi. I think the main reason I like to do my DX'ing in Bossier City, La. is that the Shreveport-Bossier City area is relatively an RF-clean metropolitan area. There are only three AMers, KZL-710, KWKH-1130, & KZKA-1550. Twilight DX'ing is fantastic here, as is sunrise DX'ing. Lots of good, strong signals at night are commonplace here, plus, the Mexicans are the pests here that they are in Fort Worth. They can be heard, but they're not up & down the band every channel like they are in Texas. My latest hears since I've been home are: TICAL-525; YNY-620; WSHO-800; KCEA-830; KGO-850; KRIO-910; KADC-940; KMP-960; KCAB-980; KVP-1050; WOOV-1170; KBCL-1220; KACL-1270; KFLO-1300; KFMD-1340; KSCJ-1360; KDXE-1380; KQDN-1390; KIFS-1400; WUNL-1410; KXON-1420; KJOB-1480; KBEA-1480; KRKV-1540; WDXR-1560; & WNA-1590. All these stations in only seven days of scattered DX'ing. My next Muse will continue where I left off here with my results from DX'ing the NW corner of Louisiana and the area called the "Ark-La-Tex" with the TRF. Good DX & Happy New Year, or to be perfectly Louisiana, "Bonne DX et Bonne Annee Nouvelle."

DAVE BENNETT - 1104 - 4960 Sanders Street - Burnaby, British Columbia - V5H 1S9 VE7AZG
or - 3145 176th Street - Surrey, British Columbia - V3S 4N8

Hello! This must be some sort of a record - two Musings in one season from me is almost unheard of, hi. Anyway, I have moved my week-day residence in to Burnaby, which cuts up to 45 minutes off my travel time to work & many of my extracurricular activities. It also makes it tougher to DX and Ham, but I guess you can't have everything. I tried to work the NRC net on 3850 on Dec. 18, and Ross did hear me, & I could almost hear him, but no-one else, so I'll try again - this was from the Surrey location with the kilowatt rig. To DX, I listened for KE0I-670's TEST, Dec. 19, but nothing obvious - what may have been an ID occurred at 2:15, but nothing else, & WMAQ audio in good. I'm sure I could have heard it as KE0I was dominant earlier in the evening. I didn't try for CKSW - KVI keeps 570 all to itself here without a loop. KVMU was looked for, but KONA was keeping other signals out - this one is worth trying again though. I looked in on 1590 and got an ID from KTL at 4:28am, so I stayed with them through the QRM & took a log for report. That's another first in a long while - I can't remember the last time I sent out a report, hi. This was from Burnaby on the TRF, incidentally. Note to Andy Rugg: Your C3D NX outlet there has a relative here in the Vancouver market - would you believe C3D-FM? It seems kind of odd that the reciprocal call would be 2,000 miles away, to me anyway. Has anybody used one of the new Japanese Victor Corporation NRD-505 receivers yet? It is an all solid state synthesized tuning receiver covering 500kc - 30 mc. I have played with one briefly, and it is very selective on SW, but I didn't get a chance to use it on MW. I can say that it appears to be better than the FRG-7 - and for the price it should be - \$2,000+, OUCH! All for now - all the best to all the best DXers for Christmas 1977 (belatedly) and 1978.

HARRY W. JONES - 9612 Atwood Road - Vienna, Virginia - 22180

K4FIC

This season on MW has been a disappointment so far, with regard to reception of TAs & North Africans here. As always, there is a technical explanation which is related to the emergence of the new sunspot cycle 21. The appearance of new spots is often accompanied by solar eruptions and resulting geomagnetic disturbances, the effects of which may last several days after the storm's occurrence. This is believed due to the phenomenon of residual cyclotron resonance between radiation belt electrons and naturally occurring ELF noise generated within the magnetosphere by the original disturbance. Hence, by the time this adverse condition finally clears, another storm may occur which prolongs the absorption & consequent degradation of high latitude TA signals on the ECB. The only MW TA logged here to date was WDR-1586 Langenberg - 12:40am w/GR light mx with female singer. Signals were only fair and faded out by 1am, their local sunrise. Another interesting observation is that LW signals (150-400kHz) appear to be less susceptible to adverse propagation CX than MW (500-1600kHz). In fact, the signals on the European LF ECB seem to be enhanced, just prior to a major geomagnetic disturbance. The following LF broadcast stations were logged this month: R. Alouis, France-164, 12/22 through 12/27 appearing nightly around 5:15pm. Europe-I, R. SaarLouis Felsburg, Germany-180 12/23-12/27 5:30-7pm. This is a commercial station, programs in FF, featuring pop & rr mx. Brasov, Romania-155 12/23 6:20-7:20pm, semi-cl mx. (This is a new country). DLF, Donebach, W. Germany-150 12/23 6:15-6:30pm GG female singer. Droitwich, "R. 2" England-200 12/23 (5:45-6pm) pop mx & female w/3BC NX. Azilal, Morocco-207 12/22-12/27 AM/Mid-East mx & chanting, strong signals. R. Monte Carlo, Monaco-218 12/23 6-6:30pm, FF holiday mx. R. Luxembourg-236 12/26 5:30-5:40pm FF pop mx, QRM from Grand Isle, La. airport tower usually makes copy difficult. You will note these were heard just after SSS, here in Va. The signals peak around this time & reception is generally better than early AM. I have also listened regularly around this time for TAs on MW & Dakar-764 but no luck. My receiving combination for LW is a Palomar Engineer's VLF converter, Ameco pre-amp (3.5-4MHz) ahead of modified SPR-4 RX & Autek filter. I use two LW antennas 35' high, one N/S & the other NE/SW which can also be tied together using tuned matching network. I designed a two-section matching circuit, using J.W. Miller LF coils, which in addition to providing signal transfer, rejects all ECB & SW feed-through interference, which can be a serious problem with untuned circuits. Anyone who may be interested in details please drop me a line. 73

EILL ANDRES - 101-25 115th Street - Richmond Hill, New York - 11419

Despite only MX monitoring, it's been a pretty productive DX season here. Call changes, new stations, etc. go unnoticed often, as I seldom proof-read DX NEWS except in winter, so a lot of questions are asked, many to a wincing reaction by some, I'm sure. For instance: What is "NB" on 530a kHz? Stuff like that. DX of MY 12/19 - Two newies, the first of which is WFD-930 Md., in WPAT's null w/a call @ 1:34. UNID language on 914 or 915 from 4:53-4:58, taped. Second newie was R. Lighthouse-1165, Antigua, WEE & religion from 5:35 to 5:45. A try for WNRK-1260 (because WILI-1450 was booming in for a while) was aborted by KCDJ N.C. on top & clear from 6:10-6:30am. The try for KEOI netted nothing except WMAQ talk, Cuba having audio problems, & a swatch of UNID mx way under. KEOI wasn't asked to have mx, so I dunno who. MM of 12/26: Second try for KEOI, this time with WNBC on; like the first shot, no go again. They're supposed to give two IDs, so I guess I'll have to watch DXDD for the ID times. I kind of like that "TFM" stipulation in their TEST sked. I heard "NB" down past 540k @ 2:47 w/code ID. Whatever it is, I'm counting it. On 555 was unnn ZIZ with great signal @ 2:49 and reggae. Unnn WOSH ANING, I caught call @ 4, mixed with some others. Newie from 1410, GE30's c/w, u/WOP @ 4:34. I wasted some time on 1580 listening to someone seg PSAs for several minutes. It turned out to be WSRF. We used to joke about a station out here on Long Island that ran PSAs back-to-back like that, "The PSA Show", hi. "You're listening to the PSA Show. What a nice day outside. Here's another one". A try for either WGRG or WZAY on 1110 netted only WBT, WVAR, & someone calling itself "Whoopie Radio" @ 7:30. It sounds suspiciously like a call change. (Yep - WUPT, from WGRG -ERC) I am trying to get former NRCers Vinny Cavaseno and John Javetski back into the lobe of things, and may succeed, with plans to construct a beverage. That should bring out the hunter in these two. Cavaseno claims that his NYC location provides him with so many images that, at any given time, he can hear any NYC station on any channel. The only thing wrong is that he hears the desired station mixing with every other station in New York. Javetski's location is similar, and he claims to have to null out WNEJ's image in order to hear WNEW. This is pretty discouraging. I kind of miss comparing DX vigils with these bums, playing back tapes the next day, and often winding up with duplicate and triplicate of the most unlikely loggings. I have a question regarding taped IDs. What constitutes a bona-fide taped ID by NRC standards:

RAY ARRUDA - 47 Burt Street - Acushnet, Massachusetts - 02743

Not very much to report this time. DX MM 12/26: KEOI-670 TEST was not tried, & WMAQ was off, too. I forgot to try because I became so engrossed in going after the two TESTS from Indiana. From 1:25 to 2, WJOB-1230-TEST might have been heard in bits and pieces, but I just could not gather enough verifiable details for a report, so only a thank-you card was sent instead of a report. QRM on 1230 was mainly an FFC in Canada playing Christmas carols. WORY 1270-TEST was heard well right after WXYZ s/off from 2:03 to 2:18 with marches, TT, VIDs. Also another try at WQIQ-1590 with a report from 2:19 to 2:35. Someone ETing on 750 with OC/TT from 3:0r to 3:35 but no ID. WSB seemed off - was it they testing? Few reports out and no veries in as of late. That's all for now. 73.

9337
ERNIE COOPER - "The Cape Tip Dyer" - 5 Anthony Street - Provincetown, Massachusetts 617-487-

We had a call this week from co-host of last year's great LINCOLN Convention, Rolland Lindblade. Please, no calls between 9pm & 1am - that's sleepy-time, pal! We have now 4,078 veries, with arrivals from R. Suceso-995, Guayaquil, Ecuador for 8/21 reception; WGT-1500, & WGRJ-1530 on a f/up from a year-ago ET. The latter two sent Cfs with their v/l. DX this week: 12/27- ZIZ-555 was on late again this morning; still going at 2:02. UNID tele-talk show on 960 with phone number 244-9311, area code not given. WJXR & WTAI-1560, both IDed on ET back-to-back 2:40 & 2:42, unnn. It seemed here that KY-1060 was about 1 kc low this morning as I could separate them from CJRP, who seemed to be right on 1060. 12/30- Unnn, but long time unnn WKP-1450 noted ETing w/TT OC, w/ID - 1:02am, over all. There was a weak rocker on 1560 @ 1:10, and an SS under the 1450 pack noted @ 1:15, but just too many on top of him on a non-AU morning to attempt an ID. Their announcing is "con mucho gusto", hi. OCs were observed on 605, 705, & 710 around 1:30. 1:31-2:03 @ on, TT on/off on 1480. At 2:13, WDR-710 was fortune telling by telephone - I thought this was a violation of the law! That 740 SS Amer today seemed to be using a different slogan, "R. Cristale". (Three syllables, 2:15-2:34. 12/31- UNID 940 Tter today, 2:18 @ on, and another one on 1420 2:35 @ upward. MM 1/2- Snow a-falling gently, CX only fair. Old "enemy" R. Margarita-1020 was off this morning, & in his (her?) place was an RCN Colombian believed to be HJFQ, La Voz de Pereira, but only the network ID was carried, 1:59-2:18am, bothered by much hetrodyne, Paraguay! Ondas del Caribe ruled 1150 AM. Unnn WADO-1280 NYC, was Tting most of the morning o/u CUMS. R. Coro-1210 was o/u WCAU @ 2:41, unnn. Question for Western Canadian members: Is there a Canadian FF-speaker out your way on 1470 who s/off around 3:05 w/Oh Canada. I've heard an FFC s/off at that time now for two straight weeks, but the s/off time wouldn't seem to fit a Quebec station. They were breaking through WSAN & one other AM, & WLA's OC. UNIDing Tter heading precariously to 1550 with brutal WPT-1540 trying to push him further up the dial with his wicked splatter, 3:45-4:10 @ on, seemed to be best of here. WNN-1050 was off, & three SSES noted there between 4:10 & 4:35 - XEG was using SS & giving this time San Antonio phone numbers; there was what seemed to be a Colombian on there too, and 4:25, the Dominican Republic NA was heard, solo by "Buenas Dias" and then he faded under and gone; no report possible. CHUM was also there w/rr. CUN7 EVERYONE'S MUSINGS ARE WELCOME EVERY ISSUE - THE SPECIAL FEATURED STATE IDEA WILL NOT EXCLUDE MEMBERS LIVING ELSEWHERE BY ANY MEANS! WE WANT TO DRAW OUT THOSE HIDING IN (1) MICHIGAN, DEADLINE 1/16; TEXAS, DEADLINE 1/23; MASSACHUSETTS, DEADLINE 1/30; and CALIFORNIA, DEADLINE 2/6. WE'LL ANNOUNCE THE NEXT REGION IN OUR NEXT ISSUE. DEADLINES ARE EVERY MONDAY - WEN

MOTHBALL MEMORIES

CHAPTER LIII - MARK CONNELLY COMPLETES HIS MEMORIES OF THE EARLY 60's.

Does anyone remember the "WFO" of 4/25/66? Radio stations were flooded with calls. I saw the object at local sunset and then put the receiver on. The object turned out to be a meteorite. Of course, memories of the '60's also include those of radio personalities, like Murray the K on WINS, who became known as "The Fifth Beatle" after he introduced the Beatles to U.S. audiences in November, 1963. Jefferson Kaye on J.B.Z. had the Sunday evening "Hootenanny" folk music show; WBZ's Dick Sumner dished out offbeat humor on his "Nightlight" program. Mad Daddy on WINS seemingly talked from a crypt; bubbling vats and chained monsters were heard in the background. WKYC-1100, Cleveland, ran British Top-Ten countdowns. Phone-in polls pitting the Beatles against the Dave Clark Five proliferated. WMEX's Arnie Gainsburg often read letters from U.S. servicemen in Germany; WMEX was a "regular" there. WABC bragged about letters from Japan. WBZ claimed regular listeners in England. WINS frequently mentioned daytime listeners in Bermuda. Remember the old BBS tests when a station would drop its carrier? These tests occasionally allowed a rare ID to slip through. That's about it for now; I'd like to hear others' accounts of early '60's DX, perhaps touching upon some of the subjects covered in this report.

THIS CORNER SALUTES THE LADS FOR A ROUSING ISSUE OF DECEMBER 30 WHICH BROUGHT BACK MANY A WONDERFUL MEMORY TO A GOOD BUNCH OF US! WELL DONE, LOUISVILLE!

NEXT WEEK, WE CRUISE BACK TO 1922, WITH ERIC CRUSER AS OUR SKIPPER.

CRAIG HEALY - Box 182 - Cumberland, Rhode Island - 02864

Hello all. Contrary to popular belief, I haven't been kidnapped and/or locked in the refrigerator all these months; just dormant. I did enjoy a nice trip to Florida over Thanksgiving. That, incidentally, is why I missed the GIG at ERC's. Some interesting reception has been noted, though. On the beach at St. Augustine at noon, WSM, WNBC, WHAS, WBZ & WCBS were heard (WBZ faintly) with rock-steady signals and no evidence of fading. I did NOT hear WSB, WABC or any other distant clears, so I suspect this was all groundwave. The RX was the usual TRF. Anybody else have similar experiences? Several months ago I requested information on the RBB line of receivers. Several people responded and I promptly lost the letters. My belated thanks to them for the offers. I still have the RBB and my National NC-400. I am considering selling both and getting an R-390A. I did some experimenting with a loop and an outside 20' vertical coupled together. It nulls very well. I measured a 65 db null using a Potomac FIM-41 as an indicator. I can clearly hear co-channel stations through some of my local pests. Speaking of which, I now work only for WJAR-920 - no more WGNG, WNRJ, or WRIB. And yes, a TEST is coming up, possibly on January 23 from 4:00 to 4:30. Details in CPC column when I forward them. Not much time has been spent at the dials. I did catch a WPRO-990 s/off. I also noted WWVA on as of 5 a.m. on Christmas AM. I thought they went off? I must have misunderstood, or sumptin. (They used to, Craig, until Christmas-'76 but now they're silent New Year's morn -ERC) Oh well. As they say in McComb, Miss., "WHYNY" 'ishin' Happy New Year. Bet that's been used before! (You win your bet, Craig, hi -ERC)

ERIC FADER - 23-35 Bell Boulevard - Bayside, New York - 11360

12/24- 1410 had KQV/CIGQ/WING/WPOP/UnID (WIZH, Wis.?) @ 1am. Old friend ticker CWJG-1270 on top, 1:19. WOAI-1200, KSL-1160 both very strong @ 1:23. Superst WRUN-1150 on (log change) - 1:25. 1070: An LA w/a distorted signal, SS mx, 1:35. Strange noises between songs, TC's after each song too. They were gone by 1:40, u/WIBC & merciless WNN c/w splatter. CBW-990 blasting in - 2am. UnID-810 w/low TT, 2:13. KPRG-740 loud 2:17. I think my 540 unID w/"Cadena Musical" is probably HCF A-2, unnn. There were mentions of "Colona" and "natural", alternating M & F announcers, & "Musica Tropical", 2:22am. SSS 12/24- CJVA-810, newie, o/u WGY null 4:52pm w/FF talk. Unn WBTX-1470 w/s/off @ 5, no WHY or WTEZ there, natch. WSRF-1580 loud 5:23. 12/25 AM: Most regionals were covered by Canadians ANing, to wit: CHIN-1190 very loud, WOWO weak or absent, 1:48. CKOC-1150, as usual, the dominant station there - their pattern must be out of whack. Ditto CKXY-590 and ever-pesty CFTX-680. Other Aners: CBJ-1580, CBEF-540, CBF-690 & CJBC-860. Seemed like all CBC's were on extended siked if not AN: I'm not familiar with Christmas AM DX since I'm usually in some warmer place this week, hi. CKLD-1330 all alone, CHAD-1250 obliterating all QRM, and WFAS w/Y. ANing on 1230 w/Christmas mx o/FPCs, all noted after 2. Someone running old comedy routines @ 2:22, still going at 3:06 re-check. And if I hear one more station playing the Chipmunks I will become violently ill. LOOK HERE! Someone help me with this! Someone on 610 was ANing w/FF talk o/u WIP/WIOD, 2:45. Which FFC was this, KML (more likely) or CHIC? Two or three FFCs AN on 1340. MM 12/26- WWRJ-1600 s/off - 1am, this may be a log change. Newie WJTIQ-1590 w/"16-QIQ" IDs w/tele-talk, 1:23. Piercingly-high TT-1450, came on 1:49 o/u WNSC. CJVL-1360 o/u WDRG 1:58. CKLD-1330 // -1340 unID w/accordion mx, 2am. UnID-850 w/s/off-SSB @ 2:15. CKCH-970 killing the channel 2:40. CHNS-960 on top - 3. CFLS-P.Q. probably the one w/FF on 920 - they had a CP to move there from 1240, and the format (EE rr) fits. They were o/CKCY briefly at 3:31 with lotsa talk but no IDs. Unn CKCM-620 was o/u WHEN w/MoR, 3:45, & CKXY-590 was on top again. (Since there were so few Musings for this issue, we used this second one from Eric rather than hold it over till the next issue -ERC)

CALLING ALL TEXANS! REMEMBER THE SPECIAL TEXAS ISSUE OF MUSINGS IS COMING UP, DEADLINE FOR WHICH WILL BE MONDAY, JANUARY 23rd. THEN, WE'RE GOING TO CALL UPON THE MASSACHUSETTS HINNIONS TO LOAD MUSINGS WITH DX DOINGS FROM THE BAY STATE. AFTER THE COMMONWEALTH OF MASSACHUSETTS, WE'LL CAST OUR EYES WESTWARD TO THE GREAT STATE OF CALIFORNIA TO BE FEATURED IN THE FOLLOWING DX NEWS, DEADLINE FOR WHICH WILL BE MONDAY, FEBRUARY 6. YOU'LL SEE THE RESULTS OF THESE SPECIAL CALLS TO SPECIAL AREAS IN THE DX NEWS DATED TWO WEEKS AFTER THESE DEADLINE DATES. SO, DEADLINES AGAIN: TEXAS - 1/23. MASSACHUSETTS - 1/30. CALIFORNIA - 2/6. PLEASE?

		V E R I E		I T O U S E S		
A	- Elliot Straus	G	- Ray Arruda	1230	WYNY f	Steven Boyer, CE
B	- Kon Rychalsky	H	- Mike Tuggle	1240	WLYD 1x	James Neil, CE
C	- Mel Bernstein	I	- Steve Fonder	1210	WILY qu	Jeff Leidel, PD
D	- Rick Carr	J	- Juergen Trochimczyk	1250	WREN fu	Lee Zagell, CE
E	- Wayne Heinen	K	- Ernie Cooper	1260	KFGQ f	Rev. Robert Woolsey, CE
		F	- Charles George	1270	WJBF	James Booth, CE
				1290	KTRN r	u/u, PD
540	CBK (lm	Stan Ewert, Maint Sup	F	KRGV	lm	Thomas Perryman, CE
	(q	J. Wilton	F	CJNE	lm	David M. Senft, DoE
560	CFOS q	J. Hutchings, CE	H	KVET 1		C. A. Cremer, TSu
	KLVI ul	Steve Sandlin, CE	I	WERE	pu	u/u
	WGAI lm	u/u, CE	J	WFHR	q	James Purdee (?), CE
570	WNAX lm	L. Edwards, GM	I	WKAP	q	George T. Islieb, CE
580	WELQ q	C. J. Eldridge, ACO	I	WTRX 1		Donald McComb, CE
630	WXEX 1	William Garwood, CE	I	WPH	qu	L. W. Campbell, CE
680	KOMW	Jerry Robinson	E	WLDY	rm	Bruce Anderson
	WMPS 1	Meriam Woods, S	I	KZND	lm	Edward D. Powers, E
730	CHXR7 f	u/u	H	WQVI r		u/u
	WPAL r	u/u	J	WXYD 1		R. F. Benkelman, P
740	Antilles 1	Kristian Knaack, GM	D	KXKK		William J. Lutzmoor, VP, GM
	WBAM qm	T. B. Jones	D	WFRD 1m		James R. Curtis
	KBOE lm	Gary Wilson, CE	D	WDDA 1m		Neil Collier, E
	CEL q	L. Caplan	J	WLOJ	qu	---- Cooper, CE
790	KJRB q	Alan S. Cook, ACE	J	KSMJ	qu	Lane Bowen, GM
810	WJQJ 1	Mike Tracy, NxA, SxA	D	WSEL q		u/u, CE
850	WEAT ql	Denton Kimble, CE	AB	WJII 1m		Russell E. Ellinger, CE
	WEUC c	Robert Schlathman, CE	C	KSAO r		u/u
	WYDE fm	James Gray, CE	C	1390 KCLN	lum	Ken Kroemer
860	WDNG uq	u/u	I	1400 KELD	1	Troy Edkins, CE
	KNUJ qu	Gerald Walston, CE	J	KMHL lu		Jeffrey P. Creamer, CE
880	WCBS q	C. Dobson	C	KAYS lu		K. A. Eshler, E
900	WJWL ql	Stephen G. Wallace, E	C	KAYO lu		Douglas Ryan, E
Barbados lu	Victor Fernandes, D		D	1420 KTOE	lum	Lois Zaniel
910	WSBA q	Ray L. Ensminger, CE	C	WIMS f		T. Charles Smith, ACE
	WLAS 1h	Sheldon Daitch, TD	D	KAER lu		Greg De Hoogh, E
	WDFD f	G. C. Wolpert, CE	D	WHK pum		J.G. Rosenwall, GM
920	CKNX 1fm	Scott C. Reid, DoE	H	1440 KEWI		Wayne A. Nelson, CE
	WJAR q	Wyatt E. McDaniel, CE	C	WHIS q		u/u
	WGST q	Milton C. Thurlan, CE	D	WPRS rm		A. Ferguson, CE, GM
	WMOK lm	Virgil E. Smith, GM	D	KKXL lu		Mike Bartholome, E
930	CKNS lum	John R. Baird, GM	C	1450 WFTX	lm	Peter P. Barber, SM
940	WFNC	Paul Gold, PD	C	KATE lu		Robert W. Daly, CE
	WINE f	Patrick Carlone, CE	C	WIZS 1		u/u
	WYLD 1	S. Anderson, CE	D	WFBS r		u/u
950	WLSQ 1	Wayne Long, VfoE	D	WXIV r		Diek Gleason, P, GM
	KFSA fm	J. W. Tucker, CE	D	WFOG m		Greg Gabriele, CE
	KMTX 1	Ronald D. Almer, CE	D	1460 WAXC	1	R. Bruce Peters, CE
	KXJK 1	William Fogg, M	I	CJOY		L. D. Smith, Eng Mgr
	WLIT 1	Ray Reich, GM	J	WACO f		Jack Vinson, CE
960	WHAR 1	Harvey Klann, GM	J	WOCH 1		James D. Oens, CE
	WELI q	Robert Antonio, CE	J	1470 WELO	rm	William Moody
	WHIL ql	John T. Keimig, CE	J	1490 WSB1	1	Kenneth J. Burch, GM
980	WTKY f	James Albro, CE	C	WHOC 1		William H. Cole, O, M
	WZLJ f	H. Sell, VP, GM	I	KCUZ 1		Frank C. Hancock, CE
	WRC q	u/u	C	1500 WEFN	lmh	A. C. Elliot Jr.
990	KWAM lm	William Travis, CE	D	WPMB r		Thomas Wright
	WNYY ql	Russ W. Mundschenk, CE	C	WGFT 1m		John T. Calanses, VP, GM
	KTKT q	u/u, CE	E	1520 WEHE	1	Dave Schmidt, NRC, CE
995	Suceso 1m	Eduardo Carrión Puertas, D K	C	WHIC lu		Jo Ann K. Bruington
1000	KTOX 1	O. L. Smith	D	1530 WCRJ	lmu	Tim Coleman, CE
1005	TIAC qun	Oscar Lobo O., S	D	1540 CHIN	r	R. Terris, E
1010	KTBO q	Steve Broomell, CE	K	WSNG 1h		Keith Worrell Jr., CE
1050	WJXY 1m	David Joyner, PD	K	1570 WCLE	qm	u/u, CE
	CHM q	A. Jones, E	C	WKYR	1	Ray Mullinix, M
1070	WFLI ql	Joseph Poteet, CE	C	1580 WBBB	1m	Russell Knopler, A
	KENR 1	u/u, Stu E	J	WDQN	1m	Gary R. Showalter
	TIFC qln	Juan Jacinto Ochoa F. Adm D	C	KLTR 1m		James Dixon, CE
1075	WHLI q	Richard G. Silvera, CE	C	KZIA 1m		John Deme (?)
1100	WSFW 1	Chris Onan, CE	C	1590 WSNV	1m	Robert J. Sodden, P, GM
1110	WNAR q	Alex King	C	WVBS q		u/u
	CKJD 1m	Ronald J. Sibbitt, NRC, CE K	C	1600 KLAN 1m		Lyn Anderson, CE
1130	KXKH q	Frank Page, PD	E	WKRF 1m		LeRoy Garrett, P
	WCOM pu	Paul E. Zurcher, PD	D	KNBS 1m		Gayland R. Darnell, NxD
1140	WRVA q	u/u, GM	C	WTRV 1m		Jon London, PD
1150	KXLR ul	Ray Loewy, E	I			
1210	WQNY f	Eugene Bardo, CE	J			
	TGMX 1m	Luis Rafael Paz, ACM	D			

We have more on hand, but not enough for a full page. May we have your recent verie signers?