

dx news

the magazine of the National Radio Club



VOLUME 43

2 FEBRUARY 1976

NUMBER 15

"I would like to thank the editors and publishers for their hard work. Thanks to the tips found in DX NEWS, I've recently added my 43rd State and am nearing 1000 logged." (Jim Wallace - OH)

ON THE INSIDE.....

- A Review of the Worcester Long-Distance Medium Wave Receiver -
- An Australian DX-pedition - Bob Padula (typed-Foxy) Jerry Starr
- Clipping Corner - Various Verie Signers - Ernie Cooper

NEW MEMBERS

- * Dr. Gerald Entine, 6 Silver Lake Ave., Newton, MA
- * Douglas R. Juen, 136 Roberts Dr., Apt. #1, No. Tonawanda, NY 14120 (re-joins)
- * Andrew Marinkovich, 2001 S. Alma, Apt. 2, San Pedro, CA 90731
- * Gregory Reams, RR5, Box 103, Melbourne, FL 32935

RENEWALS

G. Scrimgeour, E. Soule, K. Chatterton, J. Sloan, M. Riordan, R. Seaver, H. Woodworth.

FLASH TIPS & SUCHLIKE

1/25: WDXN-540 not hrd at HQ by RGS, only the Mex. 1/22: WBOO-740 was on for DX TEST per call from Starr in advance. Hrd by HWE, not by RjE. 1/26: WGOM-860 not tried at HQ. WRIB-1220 hrd by RjE, RGS, Foxy w/ march mx, code and voice IDs o/u WGAR. WQBX-710 hrd by RjE, RGS, but not Foxy. Vy weak u/ WOR's junk w/TT, IDs. Also another TT, maybe tape replay will yield an ID with filtration. CJRW-1240 not hrd by RjE, RGS, Foxy. WWNS tested 0300-0330, and another tester 0330-0400, ID'ed at end but no tape replay (RjE). WJJJ-1260 not hrd by RGS, Foxy. 1/19: WSUB-980 not on per Dailey. 2 members tentatively reported hearing it, so either they didn't or Frank's periodic checks missed them. WRBJ-1580 hrd by Schmidt, not by Dailey. KACO-1090 hrd by Hansch (TENTATIVE). Not by Dailey, Schmidt.

Rolland Lindblade notes that WWST- 960 tests frequently Friday AMs w/ classical mx. He's hrd them in the 0130 area. John Sommer reports that WTWN-1340 has a check w/ Cambridge on the 4th Sat AM at 0015. Late word from WFTN-1240 indicates that they will be on weekly until further notice from s/off to 0300. Calls (prepaid) are invited. See further info in CPC List.

FLASH..... Foxy phones in that CJRW-1240 WAS NOT ON 1/26. CE thot 'twas Mon. Nite, per Foxy's call to him. Did not go on then either. Will be re-sked shortly, so keep watching.....

NOTES &c FROM NJPC

Per NNRC's January bulletin via ERC comes word that WRTVH's founder and long-time publisher O. Lund Johansen died at age 83 last Fall. We seem to remember Perry Ferrell mentioning it to us, but we never made note of it.

Radio Nederland's "DX Juke Box" will have another of its series of technical courses starting TH 3/4. Each session will be repeated once so a new one will appear every other Thursday. Course has 12 lessons.

Requests for text materials should be addressed to Radio Nederland, "DX Juke Box" P.O. Box 222, Hilversum. Oh -- the topic is transistor circuitry, a follow-up to last year's receivers course.

C. P. C. TEST SCHEDULE

MONDAY	FEB. 02	- 0300-0330	* KSOA-1430 - Ava, MO	500	D	NRC
		- 0300-0330	* KPFA-1480 - Ironton, MO	5000	D	NRC
MONDAY	09	- 0100-0130	* WJIC-1510 - Salem, NJ	250	D	NNRC
		- 0115-0215	* KNUJ- 860 - New Ulm, MN	1000	D	NRC
		- 0200-0300	* WBRW-1170 - Somerville, NJ	500	D	NNRC
		- 0300-0330	* KPSO-1260 - Falfurrias, TX	500	D	NRC
		- 0300-0330	* WAYC-1600 - Bedford, PA	1000	D	NRC
		- 0300-0330	* KAOL-1430 - Carrollton, MO	500	D	NRC
MONDAY	16	- 0330-0400	* KKYN-1090 - Plainview, TX	1000	U	NRC
THURSDAY	19	- 0045-0200	* WKFD-1370 - Wickford, RI	500	D	NRC
SATURDAY	28	- 0000-0200	* WPEP-1570 - Taunton, MA	1000	D	NRC
MONDAY	MAR. 22	- 0100-0200	* KSEK-1340 - Pittsburg, KS	1k/250	U	NRC/IRCA
EVERY MM		- 0030-0230	* WFTN-1240 - Franklin, NH	1000	U	NRC
MONDAY	FEB. 16	- 0330-0400	* KWIP-1580 - Merced, CA	1000	D	NRC

DETAILS :

- KSOA - No program details. V/s R.L. Woods, CE; Box 386, 65608. Arr.: Skip Dabelstein.
- KPIA - No program details. V/s Walter Helwig, CE; Box 437, 63650. Arr.: Neil Zank.
- WJIC - Code IDs. Prepaid calls at (609) 935-1510. V/s Ben Ferguson, CE; Box 132, 08079. Arr.: Tom Sundstrom.
- KNUJ - Polka & local area mx. No TT or code. V/s J.W. Thomas or Gerald Walston, CE; 510 1/2 3rd North St., 56073. Arr.: Ron Musco.
- WBRW - IDs & TT. Reports to WBRW, CE; 08876. Arr.: J.W. Eckerd, Jr.
- KPSO - March mx, 1kHz TT, IDs, poss. code. Prepaid calls at (512) 325-2112. V/s Raymond Creely, Box 309, 78355. Arr.: Ernie Weslowski.
- WAYC - TT & IDs. V/s Jay B. Cessena, Box 236, 15522. Arr.: Dave Schmidt.
- KAOL - No program details. V/s Dan Davis, CE; Box 254, 64633. Arr.: Dabelstein.
- WFTN - Will be testing every MM until further notice. Format: 0030-0035: Talk on DX (reports etc.) 0035-end: cart w/IDs, phone nos., & code IDs. Calls welcomed at (603) 934-2500/934-5678/524-7273. May extend test until 0300 if phone response is good. V/s Chuck Morgan, Eng/Prod. Dir.; 401 Central St., 03235.

international dx digest

editor: Alan Merriman

P.O. Box 6

Fairfax, VA. 22030

Phone 703-354-2135 Before 2200 ELT *All Times Are GMT *Deadlines Are Friday*

Another slim column - what happened to the DX? Here is what we have

- 595 -DOMINICA This one has been noted in the local FF patois around 2300 or thereabouts, so is not 100% EE. (Schatz)
- 610 -TRINIDAD & TORAGO At times have noted this one s/on w/"Yellow Bird" at 0900 w/local WIOD nulled. **Congrats to Foxy.** (Schatz)
- 640 -CUBA CMQ Havana 1/15 0805 probably the one in SS barely audible and in KFI null. Heard w/male ancr. (Lobel)
- 670-680-HONDURAS Tegucigalpa and San Pedro Sula, but which is which?? Noted 1100 1/15, both equally strong and //. (Schatz)
- 720 -CUBA CMGN 1/19 1005 most likely SS in WGN null w/KDWN off this MM. Heard mention of Cuba. (Lobel)
- 730 -MEXICO XEX 1/19 0515 decided to send another report to this unverified pest when I noticed they seem to be verifying now. **Heard male/female ancrs talking** about Mexico City followed by organ mx and same ancrs followed w/full XEX ID at 0552 then varied mx styles in SS w/many IDs as La Ekees and Canal 730.(Lobel)
- 800 -MEXICO XEROK 1/19 0730 w/OC allowing good CKLG sig. No sign of PJB at this hour; however, PJB audible later. (Lobel)
- NETHERLANDS ANTILLES PJB Bonaire has been suffering frequent microsecond breaks in their carrier, noted nightly in mid-January. **Perhaps a loose cable?** (Schatz)
- *1/19 0847 in PP w/religious pgm and IDs in both PP and EE. (Lobel)
- 805 -UNID CA? W/distorted audio and typical CA fare. A **"Radio ..."** something, noted eves during mid-January. Picked up frequent "panameñas", but also Honduran provinces. S/off 0500 w/out anthem. (Schatz)
- 810 -COLOMBIA HJCY 1/19 0920 plus 0935 w/"Radio Phonetica de Bogota" ID also Radio Sutatenza ID and man constantly saying "Buenos Dias". **S9 sig almost constant** and nothing else on freq. This is the best I have ever heard this stn. Many chimes hrd. Not new; but never verified before so report out. (Lobel)
- UNID 1/19 0545-0610 w/my SM-1 directed E-W I heard Spanish-South American type mx fairly clear but the female ancrs voice was too weak to be understood.(Brown)
- 825 -COSTA RICA Titania is gone; not noted all month (to 1/17). **Assumed routed by Peninsula** which is all alone here now. (Schatz)
- 834 -BELIZE R. Belize in much clearer than usual 1/18 and 1/19. (Burke)
- 860 -MEXICO KEMO 1/19 0415 w/classical mx and male ancr in SS. **Depart from usual religious format.** Recheck 0745 and back to religious format w/religious mx sung in Country-Western-style. (Lobel)
- MEXICO XENL Monterrey, NL 1/21 1215-1245 in SS. **Fine level w/romantic vocals** and Radio XENL en Monterrey IDs plus a few spots. Very slight KONO QRM. A few Radio Recuerdo IDs also. (Zank)
- 940 -COLOMBIA HJGB R. Eco - alone 0613 1/19 while looking for WINE check. Many IDs and SS mx. (Burke)
- 1050 -MEXICO XEG 1/19 0800 w/ID "You are listening to XEG Monterrey, Mexico ... Post Office Box 28, Saint Louis 56, Missouri". **Evidently they have never heard of "Mr. Zip";** the PO hasn't used zone numbers since 1960. (Lobel)
- 1100 -COLOMBIA R. Reloj extensive ID 0645 mentioned R. Reloj 3 times. (Burke)
- 1160 -DOMINICAN REPUBLIC Radiolandia 1/18 0647-0710 was heard quite strong, but w/occasional fades. **2nd SS speaking stn in the background.** (Brown)
- 1176 -COSTA RICA Limon, R. Casino, TIQ is the one here now, mostly in EE. **TIBB-1175** has been off here since mid-December, per PFM's. Stand by for a lot of mis-IDs on this one! (Schatz)
- 1180 -CUBA Isla de Pinos, CMEM is the Reloj Nacional here, ex-1080 khz. Briefly on 1165 a while back too. (Schatz)
- 1224 -COSTA RICA San Jose, TIBB first noted back here 1/17 0343. **Apparently the new C.R. freq allocation scheme isn't receiving 100% co-operation.** (Schatz)
- 1409 -CUBA Florida, CMJI is now carrying C. Agramonte, // 910 and 860. (Schatz)
- 1505 -COLOMBIA Cartagena, r. Canoa IDed 12/23 2200 tnx to tip from Cesar Objio. Has YL and US-type "Background" mx, easily confusable w/Anguilla, so watch out.
- 1570 -EAST GERMANY (Tentative) Man talking in GG 1651 into semi-cl inter- // (Schatz) lude at 1658, pips at 1700, 4 or 5 short and 1 long and into what sounded like nx at 1700+. Equal to and u/CKLM to about 1710 and out. **Burg I hope.** (Morss)

1586 -WEST GERMANY WDR Langenberg. Was trying for the CPC test 1/19 or WRBJ on 1580 and picked this up. My Grundig Satellit is not as selective as a Hammarlund but Langenberg completely covered 1580 and 1590. Have a tape from 0615-0642 of a solid clear sig. Could have continued but tried for Munich on 1602. There was a het against 1600 but no audio. (Brown) * 1/16 0655-0745 GG talk by woman, time pips on the hour, possible nx by man to :15 followed by inst mx w/female ancr. Fair sig w/occasional deep fades to 0745 t/out. (Zank)

The reporters for this issue

- Kenneth BROWN - Salisbury, Maryland Grundig Sattelit
- Lynn BURKE - Newport News, Virginia DX-160, SM-2
- Albert LOBEL - El Cajon, California DX150A, Sanserino loop, IRCA loop, 15' longwire
- Stan MORSS - Somewhere in Massachusetts using some kind of equipment
- Ron SCHATZ - Miami, Florida R388/URR, LSCA-2
- Neil ZANK - Lincoln, Nebraska R388, HQ-160, longwire, SM-1

Thats it. See you in 7 when hopefully, support will be better

80 - 1/24/76

Cuba radio gives time each minute

By ~~Editor~~

Havana

For the past 28 years, Radio Reloj (Radio Clock) has been telling the time every minute round the clock, filling the place of a telephone time service and coming in handy to the many Cubans who own a transistor radio but no wristwatch.

During each minute, it broadcasts national and international news, with a metronome striking each second in the background.

And five seconds before every minute: "To be continued. National clock . . ." two bips, the minute, and more news.

When the end of the news item falls short of the 55-second segment, the speakers urge listeners to write and tell what they think about the station — or they quote propaganda slogans.

Every hour, before the news is given, this signal is broadcast: "This is Radio Reloj, broadcasting from Havana, Cuba, free territory in America."

The signal, used by all Cuban radio stations and both national television channels, was first broadcast in January, 1959, when Fidel Castro's guerrillas took over the Cuban capital.

The guerrillas' clandestine "Radio Rebelde" (Rebel Radio) used to report the advance of its troops toward Havana by describing every city captured from government troops as "free territory in Cuba."

When the late "comandantes," Ernesto "Che" Guevara and Camilo Cienfuegos, entered Havana, the slogan became "Cuba, first free territory in America."

The word "first" was later dropped — some say because of Mexican protests

View of El Estrecho
W. 3000
W. 3000
W. 3000

Another after those fringe AM frequencies

The frequencies just above and below the AM band have attracted some attention in recent months. First there was the FCC's proposal to use 530, 1606 and 1612 khz as Travelers Information Stations (BROADCASTING, Oct. 20, 1975), and now the commission has received a proposed rulemaking to use these frequencies for "community access noncommercial stations."

V. Tobi Kanter, a University of Denver mass communications graduate student, has requested that stations be licensed to community groups and that the programming be 90% locally produced. The stations would broadcast with 250 watts during the day and 100 watts at night. In addition there would be provisions made to allow local residents' access to the stations' facilities.

Broadcasting
1-19-76
vuz Rjt

CLIPPING CORNER

DOMESTIC X IGEST



editor.. Wes Boyd 05
860 W. Liberty
Girard, Ohio 44420
Boyd 216 545 4543
Starr 216 534 1394

BCB has been rotten of late, so I've been helping out a few buddies on projects. If any of you tried to reach me & I wasn't home...I was finishing an HO model train layout, and helping start another (and grabbing leftovers for my own thing). On top of that I loaned out my "low band" stick to get another buddy back on the novice bands, so anyone catching a very sloppy "fist" on 3718-3720- or 3744 (WNSUJS) give him a shout, or whatever!!

Now to the things at hand... It seems I'm not the only one that doesn't seem to be hearing anything new. Still no comments from anyone regarding the 1520 unid, & 1350 unid that RLK & I hear. RLK thinks the 1350 might be NM, but we both heard mention of 1,000 watts night, not 500 watts. Oh well! RLK also informs me that his tent, on KUMU 1500 a few weeks back is no longer tent. He sent a tape, & Roycroft sed the tape confirms it! So there is another Hawaii shot for those without KSTP problems.

Cary Levine sez the NYC pirate is now on 1625, ex: 1620 & 1618. That is a great help in here, was betting killed by "LORAN" stuff off the lake. Sez power is 100 watts, with studios & transmitter in 2 locations. Also tells of several Carrier-Current things on 590 run by "Univ. of NY", or "Columbia". they run 8AM to LOPM (6PM FRIDAYS) during school seasons.

Still no signs of local WGFT ETs yet, studios are to be "Penthouse---- Central Tower Building, Youngstown 44501".

900 AM 97.9 FM

KFNW RADIO

Mid-America's Inspirational Network
 Fargo, North Dakota 58101

900 KFNW ND see 1170 item below... (ES)

960 WELI CT seems, NSP... now ANing MMa too (ELK)

WFIR VA Sked: S/off 0030, sez s/on 0500 (BW)

1170 KFNW ND To move here Mon. 1/26, or Tues. 1/27..Temporary power of 488 watts till antenna is finished. Sked: 0700 to sunset (ELT), with some ET during the next few weeks. (ES)

TEST RESULTZ:

WFTN 1240 Hrd: (PrM) (DS)

WBOB 980 Tent. (Starr--Ross--) no: (HWB--PrM)

WTOB 1090 No: (PrM--HWB--Starr) KKYN 1090 no: (MjR)

KACO 1090 No: (Starr--PrM--Elk--) Tent: (Ross) Hrd: (RLK)

WDSL 1520 Hrd: (ELK--JAB) KJAS 1170 Hrd: (MjR)

KNIC 1550 Hrd: (ELK--JAB--HWB--Starr--MjR) No: (FS--PrM)

WBRJ 1580 Hrd: (HWB--Starr--RLK) (DS) ~~MMT~~ Hrd: (PrM) (LEB)

r c's

3rd. MM:: WRWH 1350 per list---(Starr) KXKE 1340 per list (RLK)

3rd. TUE: WPED 810 per list (Starr) WAHT 1510 per list (Starr) WFIG 1290 per list (Starr) WPEH 1420 w/ fiddle mx, per list (Starr)

NOT HRS:/ CHANGES::

2nd. MM:: UNID, RR mx, ending 0328 on 1550 Khz, anned. f/c--(JAB)

3rd. MM:: WORV 1580 listed 0200-0215, has always been 0300-0315 before(Starr)

WPJD 1550 not hrd. in almost a year now(Stafr)

3rd. TUE: WEAS 900 not hrd. in Jan..(HWB--Starr)

WABH 1150 0015-0030 in old list, not in newie, dropped?(Starr)

While were on f/c stuff, the following are listed & not hrd. in many many moons::

1st. MM KUPK 1050

1st. TUE WIOS 1480 & WEEO 1130

1st. FRI KTCS 1410 & KVOX 1280

2nd. THU WONS 1410

2nd. SAT KEDD 1550

4th, WED: WCFR 1480 & WGEA 1150

3rd. MM: WAAO 1530 & WPJD 1550

3rd. TUE WVOP 970, WLOV 1370 & KBRX 1350

3rd. FRI WLET 1420

3rd. SAT KAHL 1410

4th, TUE WHOL 1600 & WHMT 1190

I'm sure there are others we should watch for, but this might get some of you started. Give a listen, maybe they still exist!!! Sure can't hear them here anymore!--HWB

Now still more f/c stuff (in today's mail!!):: 2nd. MM: KFGO 790(John)
 3rd: SUN: KFLA 1400 TT 0100-0115, IDs @ 3 min. (MjR) KFBW 1230 w/ ID at end (MjR)
 3rd. MM: WOKZ 1570 IDs @ 3 min. --- KAJN 1560 IDs @ 2 min --- (MjR)(Mike sez this one might be monthly!) TENT: KOLS 1570 maybe, ended 0658 (MjR)
 WRWH 1350 ended 0005, TT, on just b-4 midnight even (DS) KXKO 1340 w/ TT & ID 0014 (DS)(Huh??---HWB) WBBQ 1340 w/ TT -- WDIC 1430 w/ TT--& KWKY 1150 w/ TT.. (all by DS) 3rd. FRI.: WESB 1490 w/ TT (DS)
 3rd. TUE: WPED 810 per list (LEB) WVNA 1590 w/ "Dixieland mx" (LEB)

NOT HEARD:
 3rd. MM: WLSC 1570.....

Finally::
 not sked: KHBM 1430 on 1/18 (3rd. SUN) 0657-0700-- (MjR)



sunset & evening
 1060 WGTR MA 1/16 In w/ steady sig. at 1545 in KYW null, RR, local ad(HjH)
 1090 WILD MA 1/16 Good 1556 w/ WBAL nullled, soul mx, slogan seemed "W I L D, the music mighty" (HjH)
 1530 WPWC VA 1/18 Relig. 1708-1714 then s/off w/ C&W SSB., ment. a "freq. of 250 watts"...in s/off...HAPPY BDCSTNG. CO., & Top Shot Country Sounds (DS) You sure hear some real winners --HWB
 WVFC PA 1/17 S/off 1715 w/ SSB noted while at Dave Fox's (DS)
 1580 WCRV NJ 1/17 Poor, w/ mx, then into s/off at 1700 (SW)

midnight to sunrise (LEB)
 590 WPLO GA 1/19 At 0112 w/ "night request line #", & Bridal Fair promo
 950 KIMN CO 1/17 U/ WWJ & unid ETer 0100-0200+ w/ RR mx (John)
 980 WRC DC 1/19 Atop mess 0255 w/ "all news", ID hrd. 0300 (SW)
 WONE OH 1/19 In well w/ C&W mx, ID 0320, mixing w/ WRC (SW) 1/19 Hrd. w/ C&W, Nx at 0230, "Gem City" ments. (RLK) 1/19 Fair, o/ WRC w/ C&W 0334-0349, Ment. contest w/ \$9.80 in jackpot--Now, thats a real low budget show! (PrM) Considering the way this was hrd. E & W, and the normal DA, might have been ET on day pattern---HWB

1220 CJOC AB 1/5 C&W o/ all 0407-0424, gave a distant "request line" as 327-2125 (JAB)
 1230 WNOR VA 1/19 Fair/goof o/ Ffer 0202-0247 w/ RR & DJ "Randy". Said it was her last night, asked for calls, etc.; (PrM)
 1240 WJTN NY 1/19 ET w/ TT 0026-0040+, ID 0030, female anncr., strong (DS) WBAX PA 1/18 Fair at 0122 w/ wx report, then into RR mx (SW)
 1260 KCMY OR 1/5 ET w/ mx 0500-0505 s/off, KYA off (JAB)
 1270 KGYU CA 1/12 Noted on ET w/ NIS NX; during sked WVOY DX (JAB)
 1320 WKPQ PA 1/19 W/ tele-talk pgm 0108, u/ KLWN OC, talked about the Super Bowl & such (RLK)

1330 WRIE PA 1/19 W/ MOR 0033-0045, o/ Youngstown's Bubblegum Machine (DS) Just wait till we get the 5Kw nites running...that'll fix you--HWB
 WARN FL 1/19 Noted 0012-0015 w/ local nx, then OSMONDS MX (LEB)
 1350 WSMB LA 1/12 Easy u/ KRLC w/ MOR mx & WSMB "Spotlight on Africa" 0343-0403 (JAB)
 WIOU IN 1/3 WSLR off again, this w/ RR, ID 0059, lost 0102, much CKLB & KRNT QRM (ELK)

1380 WAMS DE 1/19 This local on ET 0255-0310+, w/ RR mx (DS)
 1390 KENN NM 1/5 This was on till 0500 w/ RR & "Earthquake info" (JAB) Bet that "cracked" you up!--HWB
 1400 KRE CA 1/12 O/ all 0443-0458 w/ RR & Jazz, anncr. "JOAN" (JAB)
 WICK PA 1/17 Loud 0329 w/ ID & local spot in "nitecap show" (Starr)
 1410 KRML CA 1/14 ET 0230-0315 w/ TT & C&W mx, ID 0301. Tis a no-no, was before local midnight & he's a daytimer (JAB)

1440 WNBE FL 1/19 This one noted 0101 w/ NIS net, unn (LEB)
 WHHY AL 1/12 Fair, 0038, RR, several IDs, seemed alone on freq.(HjH)
 1450 WKXP NY 1/20 Surfaced 0110, local nx, ID as "KIP", wx, & gone (LEB)
 WIBM MI 1/3 Logged w/ RR mx 0153-0155, nx 0155-0157, on top (ELK)
 KPSI CA 1/9 W/ MUTUAL nx 0300, then into NITECAP 0305 (JAB)
 1490 WABJ MI 1/12 Beautiful sig. 0210, soon gone to WUSS. Local ADS, sx, & ID, faded before I could identify mx (HjH) Tis schmultz MOR--HWB
 WAJF AL 1/12 Often atop w/ mx & travelers advisory 0056-0102, s/off w/ SSB 0102-0103½, heavy QRM (ELK)
 WFAD VT 1/16 Noted ending of s/off 0011, w/ SSB. Was looking for WTVL f/c which netted only a unid TT ending 0029 (FS)

1530 KNIE WY 1/19 W/ UPI nx 0201, ends 0205, then s/off o/ instr. mx & to choral SSB (RLK)
 1540 KZRK AR 1/19 On PoP 0210-0505 s/off, much OC, some TT, a few promos, IDs ment. this was PoP (RLK)
 1550 WCTW IN 1/19 Loud on ET, got ID u/ WAAY 0430 (RLK) 1/19 Loud on ET--TT OC-MX 0350-0450+ (Starr)
 WNTN MA 1/20 ET-MX & conversation of the "try removing that capacitor" variety., anncr. talking to xmtr. o/ phone, ment. power output as 9900 watts.. noted 0110-0150+ (JS)
 1560 KKAAS SD 1/18 In weak, w/ C&W mx, got full ID 0130 (SW)
 1570 WQTW PA 1/20 Noted at 0600, good for a 300 wt. PSA (John)
 WOBL OH 1/20 Ments. "Tri-County", C&W mx 0610, as usual, no sign of local WIFF IN, wonder why?? (John) While on 1570 I'll ment. that my local-WTCL has been s/on 0602-0603 for unknown reasons!--HWB
 *1580 CBJ PQ 1/19 This was the Tter 0430+, went direct to 0500 s/on, which is an hour earlier than in log! (Starr)
 KLOU LA 1/17 Atop all, WCLS weak, in all AM, ad for "Mother Devine, Spiritual Seer & Advisor" --HEAVY (Starr)
 WANB PA 1/17 O/ KLOU 0120-0200 on ET--TT-OC-MX, good for my 8th annual try at a verie! (Starr)
 1590 WEEZ PA 1/19 Fair/Good w/ RR 0007-0038 w/ request line #, many PSAs, etc.--sounded low budget! (PrM) Maybe thats because they are!--HWB

REPORTERS:

JAB	Jeff Brasier	Northridge, CA	HQ129X
RLK	Bob Keeney	Lawrence, KS	HQ180 SM
DS	Dave Schmidt	New Castle, DE	HQ180 SM
ELK	Ed Krenjy	Middleburg Hts., Ohio	HQ180 loop
dm			
BW	Bruce Winkelman	Greensboro, NC	HQ180 loop
MjR	Mike Ramirez	San Antonio, TX	
LEB	Lynn Burke	Newport News, VA	
HjH	Harry Hayes	Gouldsboro, PA	Zenith T-0 SM
Starr	Jerry Starr	Hubbard, OH	HQ 180 loop
John	John Sommer	Ft. Wayne, IN	
PrM	Paul Mount	Teaneck, NJ	
	Sharon Waterman		
Ross	Ross Hansch	Madison, WI	Ameco R-5, or R1551
HWB	Ye honorable ED	Girard, OH	HA600 LW
ES	Ed Soule	Moorehead, M	HQ180 Loop HQ180 very poor loop

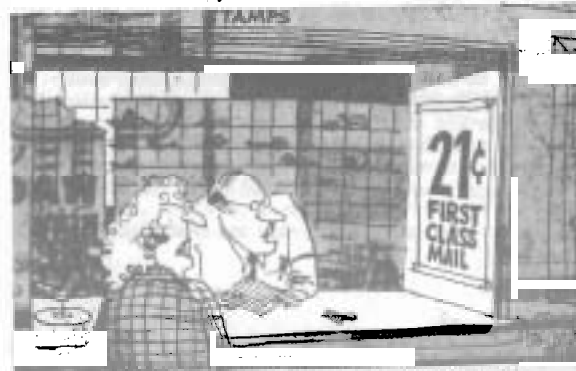
Later & gd DX,



ONCE-Q
 METRO BROADCASTING
 COMPANY, INC.
 P. O. BOX 101
 GUAYNABO, P.R. 00657

Handwritten notes:
 "I know you know why WBS sports 'oops' as 'opp'!"
 "HQ"

Stayskal at Large



"Oppps, my mistake... that's best month!"

WPPI Takes Air
 With 500 Watts
 In Georgia City

CARROLLTON, Ga.--WPPI, a 500-watt Top 40 station, has gone on the air here; the station's signal also serves the 6,000 students of West Georgia College as well as this town of 50,000 persons 50 miles west of Atlanta.

Lamar Canup is general manager. He did the night air shift at WPLO in Atlanta when it was a rock station and most recently was technical director at WSB-TV in Atlanta. Jack (Jack Anthony) Scroggs, a former air personality, is sales manager; he'd been general manager of WJGA in Jackson, Ga. Larry O'Neal is program director; he came from WMAZ in Macon, Ga. Steven Knight is afternoon drive personality; he's from WWCC in Bremen, Ga.

AN AUSTRALIAN DX-PEDITION

(This is an account of a DX-pedition conducted in September, 1975 by four members of the Australian Radio-DX Club. It was written by Bob Padula and is reprinted in DX News by permission. Retyping by Bob Foxworth)

It appears that we have now found a suitable location for serious MW work. Some weeks ago, we travelled around the Phillip Island - Wonthaggi area, southeast of Melbourne, and which resulted in a holiday house being discovered in what appeared to be an ideal DXing area. The first big test came a while back when the James brothers, Robert Hanner and Nick Langmaid rented the place for a weekend. The results appeared in recent ADXN's. On the weekend of 12-14 September we went down again, but this time with Robert Hanner being replaced by Bob Padula, due to Robert's involvement with University studies. The effort was dramatically successful, with even me (Bob Padula) finding a few new things to report, forcing me out of retirement, once again. The place is about 150 km southeast of Melbourne, at Inverloch, a small fishing town. We have established rapport with the proprietor and the house is generally available on demand at off-season periods. Based on the two trips to date, the location is just about ideal - man made noise is virtually absent ... power-line radiation is very low ... neighboring TV sets are few and far between ... and there are no fluorescent lights to trouble us. It is also handy to the shopping centre.

Four persons appears an optimum crew - more than that risks the success of any future venture, due to crowding and problems with catering. On this occasion, the Friday night opening session extended right through until about 5 AM. We then went to bed, rose at noon, had breakfast, then, lunch, tea, then had another DX session until about 9.30 PM Saturday evening. To bed for a nap, and up again at 11.30 PM and through until about 5.30 AM. Back to bed, and up at Sunday about noon!

The long DX sessions were virtually continuous, with two "positions" operating. By this, we mean that there were two manned receiving positions. We used Trio 9R59DS receivers with box loops. This involved two people - the third was the frequency measurement expert who would be asked to give spot checks on frequencies for either position, using the BC-221, and who was also a reference to uniD's. The fourth person was a general knock-about, preparing snacks, drinks and relieving either of the operatives when necessary.

Other gear on hand included the big Sony multi-band CRF-160, the Realistic DX-160 which we had along for a user assessment and two cassette recorders. We also had a long-wire antenna, about 45 metres long, and 6 metres high. Some of our results follow, and are somewhat revealing. The limiting factors were not noise (which was virtually non-existent), but our own willingness to sort out masses of signals.

As for reporting, each person was assigned (by mutual agreement) part of the overall reporting chores for writing to the various stations ... all logging notes and basic reports were prepared on the spot in triplicate, using carbon copies, and subsequently added to by "translation" of our tapes, which were made for most of the rarer stations. I was also assigned the task of compiling the huge summary.

We are proposing that future DX-peditions be made to Inverloch, possibly around November. This should give us a chance to really study the North-American reception pattern, which has in the past been fragmented and limited to a few superficial observations made when noise levels are sufficiently low. Efforts like these require a team approach, a willingness to share, a sense of dedication and purpose, and a mature and responsible attitude to the task at hand. All of these things were demonstrated, and of all the DX-peditions I have been involved with, this one will take a lot to better it.

-- Bob Padula, for the team (ARDXC)

Bob Padula, Nick Langmaid, Russell and Robert James, at Inverloch, Vic. (about 150 km SE of Melbourne, on the weekend of 13-15 Sept. 1975. Equipment: Two Trio 9R59DS, two box-loops, one BC-221 freq meter, two cassette T/R, one Sony CRF-160 and one Realistic DX-160, and one long-wire antenna. (Times GMT, Dates omitted-ed.)

- 155 Khabarovsk. 2nd pgm of Radio Moscow, RR talks 1440.
- 173 Yakutsk. Home Svce around 1450 with choral mx.
- 557 Quazvin, Iran. Farsi ammts; play 1835-1900, Farsi ID 1900 then local mx. Very strong signals on 9/13.
- 960 Fiji. Suva with Fijian hymns, ammts and well heard 1815.
- 570 N.Z. 2YA at fade-in around 0605 with play.
- 570 2BH. Reception noted ALL DAY on 9/12 including football preview 0125-0135 and an interesting reception from 500 miles. Not audible back in Melbourne at this time.
- 580 4QR with good signals during day, Net-1, ballads 0120-0130; 600 miles.
- 602 Reunion. St. Denis with FF talks 1625, under Sri Lanka 9/13.
- 603 Sri Lanka. Talks in national language (Sinhalese) 1600-1605, always strong.
- 611 Nairobi with talk in Swahili, good signals 1625-1628.
- 615 Radio Peking with talk in CC 1428-1430.
- 620 U.A.R. Cairo with discussions, in AA 1700-1705.
- 625 Pyongyang (Haeju listed). KK talks in Home Svce 1425-1430.
- 647 Radio Moscow, Far East site, Ovrs Svce with Korean talk 1145-1150.
- 650 Japan. FEN-Tokyo (Ed. note-This has always been Okinawa, no?) EE pops and male ancr // 6155 khz 1620-1625 9/13.
- 656 Tanzania. Dar-es-Salaam with Swahili ammts by a lady 1815-1820.
- 660 2YC Hrd as early as 0559, into EE News 0600 9/13, would not be heard this early in the day in Melbourne!
- 665 USSR. First pgm, IDs 1630, is in Western Siberia, x-ed St. Pierre 9/13.
- 665 Reunion. St. Pierre with FF talk 1625 // 602 9/13.
- 683 Mauritius. Forestside with pops 1550, FF ammts, excellent level 1600, sigs in early 9/12.
- 701 Oman. BBS Masirah Island, Arabic, very good level 1620.
- 710 Fiji. Suva in Hindustani Svce with Indian singing 1820-1825.
- 725 Pyongyang in HS with KK 1155. 9/13.
- 728 Uganda. EE news at 1818-1820 by man 9/12, also in Vernaculars (talks) 1740
- 737 Cairo with General pgm in AA 1645-1648, later QRM from Israel.
- 737 Jerusalem with EE talks about PLO 1810, ID in EE 1815, then into FF ID and FF news 9/12.
- 740 Japan. JORR with JJ talks by man and lady 1530-1535.
- 746 Nairobi. Song to the tune of "John Brown's Body" 1815, EE ammts, then into further mx 1816.
- 746 USSR. HS with RR talks 1635, listed Karaganda, Kazakhstan 9/13.
- 750 4QS with Net-1 pgm 0130-0140 with modern mx, interesting daytime signal.
- 755 Aden. Play in Arabic 1640-1645.
- 764 Sudan. Omdurman (presumed) with talk in Arabic 1805-1810.
- 770 India. AIR-Simla (listed). National talks 1620-1625.
- 773 Cairo. "Middle East Radio" with songs in Arabic at fade-in 1625.
- 774 Pyongyang (Hyesan listed). HS in KK, 1505-1510.
- 785 Pyongyang. Good level with HS in KK, talks around 1210.
- 792 Mombasa, Kenya with Swahili cmtry 1805.
- 800 2EA. ID in Turkish after light mx pgm 0730, as "you are tuned to Radio 2EA Sydney, and 3EA Melbourne broadcasting in the Turkish language" 9/13. Easily heard with 5RM null'd to inaudibility.
- 809 Abu Dhabi. Singing in AA 1820 with QRM from Skopje in background 9/12.
- 818 Cairo. AA svce, with national mx 1705-1710.
- 820 S. Korea. HLCN, Kwangju, well hrd with talk in KK 1440-1450.
- 830 Thailand. Bangkok. NBS, strong level with Thai discussion 1436-1438.
- 835 China. CC talks 1210-1215.
- 844 Tarawa. Ammts in Vernaculars around 0808-0810, and some island music.
- 845 Rome. Italian news items read by man and lady 1805-1815, then mx.

872 USSR (Presumed). What appeared to be a Radio Moscow Asian svce 1710-1715, was // 944 where also heard 9/12.

885 Saudi Arabia. Damman "Call to Prayer" in AA 1715-1720.

890 Malaysia. Kuala Lumpur Malaysian svce, songs and anmts 1435-1440.

890 Sri Lanka. In apparent Indian style language 1640-1645 9/13, result of a tip from Adrian Peterson.

890 S. Korea. HLKB, Pusan KK talks 1640.

890 Fiji. Lautoka with anmt in Hindi, 0810-0820 x-ed 5AN partly nulled.

944 USSR (Presumed). Apparent RM Svce in // 872 for Asia, 1710-1745 9/12.

944 Ethiopia. Harrar with HS in Amharic, talks and national mx, x-ed USSR QRM, 1745-1750 9/13. (Ed. note: x-ed apparently means "looped")

962 unID AA station, 1750-1755 with mx and talks, possibly Omdurman or Tunisia.

990 Singapore. Malaysian svce with talks noted in passing at good level 1524.

1005 Malaysia. Malacca, Malaysian svce with local songs and anmts 1502-1505.

1016 USSR. Asian Langs from Radio Moscow, probably Baku 1715-1725.

1038 Iraq. Babylon. New high powered xmtr (Ed. note: Reported 2000 kw), Arabic songs 1625-1630 at early fade-in 9/12. Interesting to note this freq. usage-the European-African freq. plan accomodates stations on 1034 and 1043 - seems like Iraq is making its own rules for a "split" operation!

1040 Hawaii. KHVH with EE news read by man 1500-1502 - one of two Hawaiians heard-the other was KPOI-1380.

1050 LYE Kaikohe. Pop mx pgm 0922.

1061 Turkey. Diyarbakir. Turkish talks, various styles of national mx 1710-1730.

1065 unID Thai station, talks 1410-1414, then children's choir 1415.

1070 Singapore. Chinese Svce, talks by man 1540-1550.

1070 LZB Auckland. Mx around 0800 with local pgm, looped 2RG. There was absolutely no sign of KNX at all on both nights; neither any other NA or Mexican. (!-ed)

1088 USSR. Krasnodar listed, mx around 1650, IDs for Pgm-2 1700.

1097 USSR. Taldy Kurgan listed, HS around 1420-1425.

1106 Cairo. FS in EE 1630-1945 good level both nights.

1124 Libya. el-Beida AA svce, talks around 1710 9/12, also 1640 9/13 AA talks.

1130 India. Calcutta, Indian vocals 1420, anmts in national lang. (Bengali? Hindi?)

1130 Japan. JOQR, Japanese talks 1450-1455.

1133 Kuwait. Well heard with Urdu in Overseas Svce 1630-1700.

1160 Malaysia. Malacca EE svce with cultural discussion 1540-1545.

1200 2ZW Wangamui. Early fade-in 0730 with ID for "2ZW", talk-back pgm.

1210 Japan. JOOR with talk 1600-1625, was over 4XO and 6KY.

1210 4XO Dunedin. Early fade-in with TC at 0737.

1214 Tirana. OvrS Svce 1720-1730 in Bulgarian with talks.

1220 LZE Kaikohe. Early fade-in 0740, with talks.

1220 Marshall Islands. WXLG hrd with popular songs 1810, island style mx 1829 with Hawaiian guitars, ID 1830 as "WXLG Radio Marshall Islands 6:30 AM" then, "National Headlines" and into more pop mx; had LZE nulled. (Individual comment from B.P.- this will count as Eastern Caroline Islands, a country already verified, unfortunately; WSZO Majuro) (Comment from NRC - This probably can be counted separately from both E.C.I. (Truk, Ponape etc) and W.C.I. -ed.)

1223 Vidin with mountain style European mx, anmts in Bulgarian 1730-1735.

1259 Rhodes. VoA relay s/on 1629 with Yankee Doodle, local ID in EE then into Turkish. One of the strongest Middle East stations audible, even though the power is relatively low, as compared with the latest 2000 kw monstrosities...

1290 3XA Christchurch. Country mx show at early fade-in 0740 with 2TM looped.

1331 Radio Seychelles. Brilliant signal from tune-in 1540 with "Seychelles Magazine" then an advt. for British Airways. Then, anmt, "...and that's all for this week. British Airways invites you to tune in again next Friday at 7.30 PM when they'll bring you another edition of Seychelles Magazine. Until then, your producer and presenter ... wishes you all a very good week and good night. They continued with tri-lingual pgm in EE/FF/Creole until 1600 featuring African style mx. This is our best catch of the DX-pedition 9/13.

1345 Kuwait. Early f/in around 1440 9/12, again, the 13th throughout the night.

1367 USSR. Radio Moscow Mongolian svce, 1420-1425.

1370 Singapore. CC svce, talks by man around 1540-1545.

1380 Hawaii. KPOI News roundup in EE 1505, weather 1509, jingle ID 1510. Announced a football game on KIVM and hotel adverts for a "midnight breakfast" and IDs as "This is KPOI" and "KPOI on 1380".

1385 Canton Island. WXLG. Light music at excellent level, EE anmts at 1436. This one was one of our "marker" stations for the two nights ... more of a nuisance than a DX catch.

1400 3ZM Christchurch. Pop mx pgm 0640 x-ed 2PK at early f/in.

1410 2YM New Plymouth. Under 2KO Newcastle NSW with national pgm 1015-1020.

1412 BBC Masirah Island EE with relay of World Svce to Asia 1705+ 9/13. (I take it they do operate on both 1410 and 1412, no? -ed.)

1457 USSR. Mayak pgm with IDs 1830 after mx pgm.

1466 Monte Carlo. Fade in with FF talks 1823.

1470 Fiji. Raki-Raki with Hindi svce around 0812 with 3MA looped, next night at 1808 with local mx.

1546 USSR. RM OS in unID European lang 1735-1740. (Wonder if this is the same one being hrd ECNA? -ed.)

1550 Philippines. DYLA Cebu back here now, from 1555, Tagalog talks 1450.

1554 France. Nice with pop songs, 1748-1900 both nights.

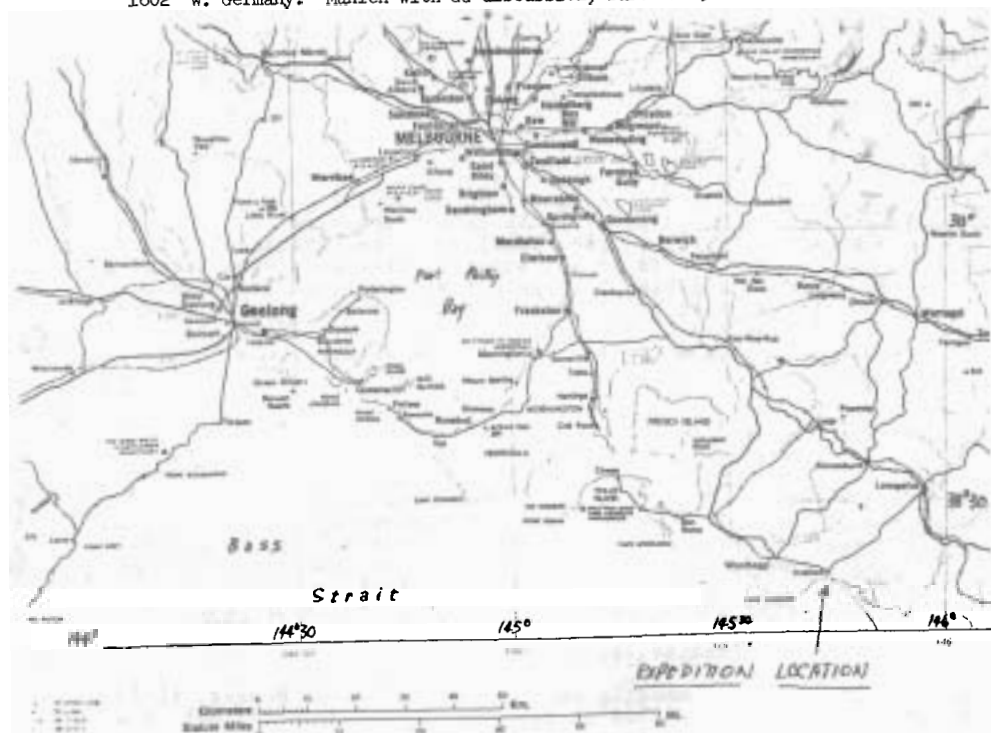
1562 Switzerland. GG discussion 1735, mx 1745, mx to 1750 in GG, getting with the N.Z. station on 1560 but separable on peaks. This one not often heard here!

1575 China. Chekiang province, regional pgm with CC drama 1440.

1575 United Arab Emirates. Sharjah. AA chants and anmts 1645-1655.

1586 W. Germany. Langenberg. GG talks around 1825-1830.

1602 W. Germany. Munich with GG discussion, same as 1586 and about equal level.



The Worcester Long Distance Medium Wave Receiver,
A Review by Jerry Starr, WHOT Radio

The new Worcester, a product of Joe Worcester of Frankfort, New York is the first state-of-the-art receiver in decades designed specifically for medium-wave DXing. This receiver, which was introduced in great technical detail in the 11/17/75 DX News, carries a price tag of \$800, and only six were produced, however, it is believed that more may be available in the future. This article is not intended to be a technical lab test since there is no reason to doubt that the specs in the 11/17 article are faulty. The purpose of this review is to provide a general "hands-on" evaluation of this receiver's value for day-to-day DXing purposes. The most asked questions are "Is it really that much better" and "Is it worth the price?" We will attempt to answer these. For the majority of DXers the specs on the printed page are not nearly so important as performance under actual DXing conditions. When it was necessary to make a performance comparison, the author's Hammarlund HQ180A receiver was used. Nearly all DXers are familiar with this receiver which is probably the most popular of the "high priced" units used for DXing today. This particular rx was modified with mechanical filters but this was bypassed for comparison purposes, rendering the 180 virtually stock. A switching arrangement was set up for instant back-and-forth audio switching between both units and a second pickup coil was wound on the author's unamplified altaz loop so both units could be compared simultaneously. The 180 was recently checked and aligned, the Worcester was about six days out-of-the-box.

The most obvious new feature of the Worcester, herein-after shortened to the WMWRX (Worcester Medium-Wave Receiver), is the digital frequency readout and it is really slick. The frequency is read in kilocycles up to four digits, when you're tuned to 1330 the readout displays "1330". The readout does not show tens or hundreds of cycles but this is judged unnecessary for nearly all DX purposes. The display is bright LED-red with 5/16th inch characters and is easily read at a distance in bright room lighting. One advantage is the ability to "pre-set" the rx to any specific frequency even before the station you seek is audible, just park there and wait for fade-in. No rx with rotating-disc or slide-rule dial can be set this accurately on the split frequencies. Whereas much consumer-oriented gear today has digital readout as a cosmetic selling feature, on the WMWRX it is a definite plus.

TUNING: There is no bandspread on the WMWRX, it is not needed. The vernier tuning provides more than adequate fine tuning. For example, on the 180, one complete turn of the tuner starting at 1100 takes you to 1190. On the WMWRX one turn from 1100 takes you to only 1140, effectively expanding the space between the frequencies for better tuning control. This also has a certain disadvantage which will be covered later. The WMWRX we used for this article tuned from 528 to 1626 khz. The tuning knob has a spinner attached for more rapid band scanning. One disconcerting thing at first is that this is the only rx I have ever tuned that increases frequency with counter-clockwise rotation. Getting used to turning "down" to tune "up" is very difficult, old habits being hard to break.

CONSTRUCTION: The workmanship seems to be good. Of course, it looks like it was hand made because it is. The chassis and cabinet seem to be substantial. The unit is somewhat larger than the impression one gets from the DX News photo, it is fully as deep as the 180 cabinet although about one-third the size across the control panel. The dial

markings and owner's name are silk screened rather than "engraved" as stated in the original article. The flat black and brushed aluminum are pleasing to the eye.

STABILITY: There is no problem here. We brought the WMWRX into the house from a cold car and turned it on, not touching the tuning. It happened to be tuned to 1254. After an hour of warm-up without any touching of the tuning, it still displayed 1254, rock-solid, a real advantage for DXers who have a set-up with a timer for recording while they sleep.

SELECTIVITY: Here, in actual practice, the specs are not quite as impressive as they are in black-and-white. Frequency-for-frequency the WMWRX has an audible selectivity no greater than the 180. This, however, is not bad since the 180 is well known for selectivity, but we were somehow expecting the specs, which are better on paper than the 180, to realise some audible difference. This is not the case. In actual comparison local station slop disappears about the same place on the dial on both units. With one exception, 881, we weren't able to copy any splits on the WMWRX that weren't just as audible on the 180. In our opinion this is not a fault, but not a plus.

IMAGE REJECTION: This seems to be excellent. We had occasion to fire up the WMWRX at the WHOT transmitter site which is surrounded with the towers in the DA system, an area of extreme RF levels. There were no birdies or hets and only one image with WHOT (1330) mixing with WFMJ on 1390. The rest of the frequencies were free of mixing products. Not many receivers can do this. A plus, especially for DXers in urban areas with many locals.

METERING: This is an area we felt uncomfortable about. The S-meter on the WMWRX seemed to have slower or more sluggish ballistics than the 180's meter, evidently there is more damping in the movement. When peaking the loop with a quick movement of the loop tuning, the indicated peak lags slightly behind the audible peak in the earphones. This takes some getting used to. With no signal at the antenna input, the WMWRX meter shows about one-fifth scale reading at a "1" and the strongest local signal produced only a "7", or about three-quarters deflection on the scale. On local signals, the difference between full on and full off RF control, the meter moves only about one-half inch. We feel there is room for improvement here.

HUMAN ENGINEERING: This is an area we feel is weak on the WMWRX. The antenna selector, which is a really handy item, is poorly marked in our opinion. While the terminals on the rear are marked A2, A1, I2 and I1, the corresponding selections on the front panel switch are marked A, B, C and D. We feel there would be much less confusion if the front switch was also marked A1, A2, I1 and I2 to match the rear inputs. The earphone jack is another problem. Although there are large unused areas on the front panel, this jack is sandwiched between the RF and audio gain controls, making it necessary to "reach around" the plug to operate the controls. The obvious solution of using a flat right-angle plug is not practical since there is no room, the front panel is too deeply recessed in the aluminum escutcheon that surrounds the cabinet and the rest of the area around the jack is surrounded by the knobs and meter face. A location near the power switch which is unused is a much less clumsy location for this jack. The tuning knob was unnerving at first, it feels loose and about to fall off. It turned out the knob is fastened to a very flexible, rubbery-feeling

of these can be engineered out or at least compromised. There still is no "perfect" medium-wave receiver but the WNRX is a good step in the right direction. Is it as good as they say? Yes. Is it that much better? Well, better than what? Better than the moderately-priced communications receivers? Yes. Better than the "top shelf" higher priced rigs? Not really in actual practice but easily equal. Is it worth the money? This is an individual subjective decision. If you already have a good working 180, SP600, R390, 145 or such, the investment is probably not justified. Remember, though, that the WNRX is all hand-built which naturally drives up the price. If it ever becomes available as a production item in the \$500-\$600 range, it would certainly be a worthwhile investment to the DXer upgrading his equipment.

In this review, the author has made no attempt to upgrade or downgrade this receiver. We have made every attempt to give an honest unbiased opinion and all comments or questions are invited. A big "thank you" goes to Bill Fleckenstein, manager of WHOT Radio for his loan of the WNRX for evaluation.

 Edward R. Coorah - The Cape Zip Ober - 5 Anthony St. - Provincetown, Mass. - 01967
 The Veria Fairy flitted through here this week and left off: v/q- WNRX-1100 (even on the w/q they call themselves "JAZZ") 1000-1070 (R. Santa Fe) also a v/q. a four-page v/1 (double-spaced, thank you!) from Gary Bagel, WNRX-1520 SX announcer & an NRCor - they're again All-6, with me. Veria total is now 3,965, and I have 185 from Florida, so Floridian Ron Schiller is now ahead of me by 31 I can't for the life of me see why you guys get turned on by pirate stations - a veria from one of them, in my opinion, is worth about as much as a pooney nuke: to a coin collector. Now, DX Down the week. Wed. 1/14. 12:48us to 1:01 s/off, SS. I'del a s/off as "TIG". But not enough - they want off w/a march, coulda been the Costa Rican MA. On 4028-1560 noted w/fr to 2:03 s/off. Then, a new one in MA-D-1500 89-rr, on a semi-AU morning. They were knocked out by the r/o-band rx of WNRX @ 2:15, which it-self disappeared around 2:20. Sat. 1/17. Nothing doing - I did note CFSD-1140 seemed to be missing, @ 2:54. Very noisy today, on a full moon. SK 1/18 - I had a little sore on 1175, still not sufficient. But on 1529, that must have been Vatican pushing through WQXY a bit, but not enough. That 1420 SS DX very seldom, the son-of-a-bunt Still nothing beyond "R. Clon". They also mention "Liberator" from time to time. How um 8KAM-1550 cond @ 3:03, & an old friend emerged on 1530 in KZHI, San Francisco, fine signal - must have been their day setup, w/40R, & ID @ 3:16 & 3:41. SK 1/19 - The IS of Vatican-1529 heard @ 1:45-1:50, then a man spoke and out they faded, drat. (an act of God!) 1502 was in, likely the pole, 1:42. An FCC carrying on on 1450 @ 1:46. Um 377H-1240 on another of its weekly 3:35 @ 2:05. This is WNRX, 12:10-1:10 or later - this was much later! No luck on WNRX-1580, nor either 1090 TST. Um WNRX heard @ 2:05 with an announcer soundin like a raving lunatic thanking everybody and screaming hysterically how wonderful everything is, after a live all-day-all-24 rock (concert) on Lake Jimpawasee. Somebody bettin 1220 on the high side, about 1221, but I couldn't pull audio. Um WQTC-1320 AHing w/fr. A Colombian in Bogota on 1460 weak around 3:35. 1/21 - A dumbluck catch - I just got to 740 in time to hear a man say "JESU, Dios Haten, Fla. testing!" Salora Buena Granada! 52K-610 way atop @ 2:30, maybe a power jump there. WNRX-920 not on today, but was 1/22, w/4epko. Who owns that OC on 900 which has been with us for YEARS? I heard "EF-1110 mentioning a report from Italy @ 1:15-2:10, maybe? Also, from Sweden in Finland. C U @ 7. WHERE ARE ALL OUR MESSAGES? WE WERE COULD SO HELL, TARD - 20MKI F-2488 000VY LET US DOWN. BUT SEND US A MESSAGE. IF YOU WANT TO CUT DOW ON YOUR POSTAGE, SEND IN 740 MESSAGES IN ONE ENVELOPE - ONE TO BE HELD OVER TO THE FOLLOWING WEEK. BUT WISE! -ERC

14 shaft. When making rapid band scans, there is considerable up-and-down movement of the shaft. One thinks this might be a loose item. As mentioned earlier, the great degree of vernier also be a disadvantage in cases when you want to keep frequencies at the same time. Any DXer who has dialed back-and-forth for extended periods looking for IDs on two ITers knows what we're talking about. On the 180 it takes about 7 seconds to spin from 540 to 1600 including the mid-band bandswitching. On the WNRX it takes over twice that long. While this is not a serious problem, we felt it worth mentioning. Scanning back-and-forth between two signals can get to be a chore. A double vernier would be a great advantage here.

SERVICING: This can also be a problem since no schematic or even block or block diagram come with the WNRX. Also, there is no alignment procedure given. The instructions which are shipped with the WNRX are very cursory. Granted, some purchasers may not be equipped with the expertise or equipment to repair or align this rx, some are or have access to a ham repair shop that could do the job. On this basis, a more complete instruction and schematic should be provided.

AUDIO: As you might expect with such a narrow bandwidth, the audio is a bit muddier but intelligibility is acceptable. We found that some out-board audio filtering made a great improvement, especially EQing off some bottom end. For a receiver in this price range, we would like to see some audio processing available, either some sort of simple "tone" control or switchable low frequency filtering. The audio is similar to the 180 in the 2 kHz position. On the subject of output on the rear panel is disconnected when earphones are plugged in. We can see the reason for cutting the speaker when the phones are inserted, but considering that nearly all DXers listen with earphones, not being able to listen with phones and tape record at the same time is a severe disadvantage. We assume this is simply an engineering oversight, easily cured on future models.

AVC: There is no way to turn off the AVC on the WNRX. The AVC action, in our opinion, is too heavy. With two signals of nearly equal strength beating against each other, there is noticeable "pumping" in the audio, making copy quite garbled. On the 180, the adjustable AVC settings can be used to increase copy greatly over the WNRX. Copy of a weak signal under the SAH of a stronger signal is such more difficult on the WNRX. We would suggest some sort of control on the AVC action, again something you would expect on a receiver in this price range. We never did get used to the AVC pumping on the WNRX.

SLOT FILTER: The WNRX has none. In his article, Joe feels there is no need for one on a very selective receiver but we would differ here, especially with the problem of TVI. There were several instances where a sweep harmonic birdie was so close to the primary frequency that there was no way to get rid of it on the WNRX. On the 180, the slot filter cleaned up the birdie and, although there was some audio degradation, at least it could be copied. There are many bets that fall within the 2kHz passband.

SUMMARY: Like any new product, there are some distinct problems. However, this is not to say that the Worcester is not a good receiver. On the other hand, it is one hell of a fine piece. Since there are actually prototypes, one must expect certain "growing pains" but most

editor: Ernest R. Cooper
5 Anthony St.
Provincetown, MA. 02657

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

STAN MORSS - Route 3 - Bradford, Massachusetts - 01830

1/7- WTTT-1430 fabulous @ s/off 4:40pm; never heard as well. WFOU, seldom heard peeking through 1570 QRM @ 4:58. Nice photo of the Good Doctor Brinkley in Broadcasting this week - also fighting Bob Shuler, & stories on KGEF & KFKB. Verie, WSCP, PP/c in five days after notanswering last year. I wished them luck on FM application - maybe that helped. 1/10- WRCN-1570 Riverhead, N.Y. topping WPEP w/no CKLM to 4:45pm. 1540 then had two - one with old-time pop favorites, & one w/c/w & race results - both s/off @ 5 & WRCP was only one IDed. WRGM ID after both went off. 1520 had a station with Lawrence Welk Show to 5:15, but fadeout at s/off. 1340 had rare CJLS like a bomb giving road conditions @ 5:23. 1/12- 990 had XET easy over all @ 1:06am. WFTF-1330 Ft. Pierce AN o/u a Colombian for a report to 2:25am. A weak TT @ 2:30 on 1550 & hum but I could not get anything else, & other two TESTs were covered by our friendly (?) Canadians CKKW & CJCB. WRKO-680 noted off @ 4, but all WAPA/CFTR. FM, Venezuelan over all on 1350, 5-6:15pm, but it faded out just at the wrong times. and no ID gotten on it. WNLK back in @ 6:15. Veries, WCCP & WANR. Pattern Book in & better than ever - a few call letter errors to correct but that's minor - as I suspected, CKDY-1420 doesn't exist - no about-ground signal as I've noted in several hundred tries.

GENE S. ALLEN - 134 Bret Harte Way - Vallejo, California - 94590

Latest veries in from WNRL-1380 for my second R.I. verie & KRKE-610. KRKE wa s heard 12.29 @ 5:06AM WHILE LOCAL KFRC was off. Other new loggings in addition to KRKE are XERSV-810 8:32am 12/21, CMAF-880 2:59am 12/22, WCCP-1560 3:54am 12/22, YVMP-880 5:55am 12/27, YVLD-850 4:43am 12/29 & XEZM-650 7:59am 12/30. I have written to Hammarlund to see what they have in RXes but probably too late if the info has been out since November. Congratulations to Jim Critchett & his new bride. CX very poor here this Winter due to only 3" of rain since 7/1 & lots of fog creating electrical leakage. Again I state, there is no such thing as a "Leaky Transformer" unless it leaks Pyranol!

DONALD K. KASKEY - 386 Geary Street - San Francisco, California - 94102

Time for a report. It seems I just sent one in but upon checking I find that my last one was somewhere around 1969 or 1970 - h' mm, how time flies! My location the last two years has been downtown S.F. & CX are most definitely terrible. I hope for improvement this Spring as I plan on finally tying the knot which will bring a move to the residential area near the ocean & away from downtown QRNs. Only DX of late last year was KFAR & KFQD in late October, & Peru-854 & Tarawa-844 in December. Few other unusual ones for me but the same thing everyone else is hearing out here. CX according to WCers really fell off after the late Oct. opening. TP's pretty weak this season. DX NEWS has maintained & improved its quality & content & my vote of thanks goes to all those responsible. S.F. is bidding for IRCA Convention so if successful we'll hope to see some of you joint members (?? -ERC) this Summer. I will be back in this column when I land somewhere signals can be heard. 73.

CARY LEVINE - 98-01 67th Avenue - Forest Hills, New York - 11374

Here's more on the Brooklyn pirate WCPR. They originally s/on 1615.9 three weeks ago. They have since moved up to 1625 to avoid WNRL. They're on about three hours from 11:30pm Fri. & Sat. nights. Furthest calls have come from Me & Ky. I received a v/q which I sent to HQ for printing in DX NEWS. Anyone interested in tapes of WCPR send me a cassette (no CrO2 please - messes up my tape recorder). It seems that CB radio people have two theme songs w/MGM's release of C.W. McCall's "Convoy" (#1 BB 1/10) (?? -ERC) & United Artists' Dave Dudley singing "Me & Old CB." How about a theme for AM ECB fans? Maybe IRCA should release John Denver's "Late Nite Radio" from "Windsong". If "Convoy" makes no sense to you send an SASE to WHN for a CB guide. This week all-NX WINS will probably announce its affiliation w/network or NX service. NIS on WNIS-FM has bombed in the ratings & there is the possibility WINS will pick up NIS & WNIS will change formats or be sold. ABC has been known to have been trying for a few months to sell some sort of feature service to WINS. 73.

MIKE LEVINTOW - 5509 Halpine Place - Rockville, Maryland - 20851

A summary of DX over the last few months: 9/20- WEDU-1260 8:08pm w/ NBC NX & IDs, w/local WDCG looped out, very rare here. 9/23- WDBL-1590 s/off on top of mess, 8pm. 10/21- WUSS-1490 finally heard @ 1:36am w/TC & ID, completing Atlantic City area graveyarders for me. 10/27- WCFV-1230 Overriding semi-local WITH w/local announcements, 8:15am. 10/30- A fantastic SSS evening. WJCM-910 w/local-like signal w/E. Tenn. area WX; never heard before. CKXX-920 good signal w/local NX, 6:15pm, w/ usual pests WMLN, WMLL, etc. absent. KPIK-1530 w/TC & ID @ 7:05pm, very early reception for them. Then came a big surprise w/KRGO-1550 s/off 7:45pm, completely dominant w/CBE looped out. The phases loop system was used to null CBE without nulling out KRGO at the same time. The system also was very effective in pulling in KBYE-890 on 11/7 @ their 6:30pm s/off. WLS HJCE were almost completely eliminated. With only one loop, nulling WLS produced HJCE, & vice versa, & no KBYE. 11/9- Very severe Aurora, but only new thing heard was WQPD-1430 dominant @ 8:15pm. I was hoping for some distant graveyarders but a check of the frequencies produced only semi-locals & weak SS on 1240 & 1400. 12/15- A super MM. CHQR-810 dominant on frequency w/local announcement & P.O. Box in Calgary, then ID, 3:40am. There was some other stuff on the 810 spot at the time - would KGO, KC'O, and/or the new Winnipeg station be on at the time? How about the new N.B. or Bahamas stations? I went back to 810 after 4am & found HJCY completely dominant after their s/on, so no further DX here. While looking for the KXRE-1000-TEST (which I think was in there, but very weak) I heard KOMO-1000 ET @ 3:30am. 73s.

DANIEL R. BARTEK Jr. - 4 Hanford Way - Fairport, New York - 14450

Hi from the #2 Rochester Dier. Well now that I have got two Musings in print with help from RJE (re-write) it is time for some serious DXing: Log 12/12- WSAJ, // -WAXC-1460 // -WBEF-950 // -HAM-1180 // -WROC-1280 locals! Like the man says, it's not that they're near or far, they still count for each 500 award certificate; nuff said! I also heard WNYR-680 c/w CJR-650 (?) 12/13- CKLM. 12/14- WLN-700 (?) // -KYW-1060 11-MLS-890. 12/15- CHML-900 // -WETE-620 // -WBEN-930. WFMJ-930 TT & ID @ 2:13-2:30am. Tentative ID as of 12/15 fair to poor quality; was good for about six records, & CFRB-1010. 12/20- WSB-750 //. (Daniel, // means parallel to another station - same program - ERC) Very late Season's Greetings to all the members of NRC & their families. I'm glad to see we have members overseas! I heard a saying a long time ago "Kiwies" (New Zealanders) are made of good stuffmate! I can say the same holds true for our club! I am glad also to see we have a couple of young ladies who are DXers! Too many times I've heard that hobbies that are normally male oriented are just for males. If there are men's garden clubs (and there are!) why not female DXers? I say welcome ladies! Remember guys, if you don't agree, and keep that station location; call sign, & time might be in HER Musing in the Club's magazine. Best wishes to all for a healthy, Safe and great CX in '76! 73s for now.

DANNY HURLEY - Route 1 - Box 209-AB - Jefferson, North Carolina - 28649

Since this is my first Musing, I'll try to tell you a little about myself. I am 16 and a Sophomore at Ashe Central High School. I started DXing in September of 875, using a Stewart-Warner RX that runs on a six volt car battery. I changed RXes about a month later, since keeping the battery charged kept me busy most of the time. If anyone knows where I could get a converter that runs 25 to 30 amps, tell me. In the meantime I've been using a Panasonic AM/FM cassette RX. So far I've got a hundred loggings out of it. I'm looking forward to the Convention in LOUISVILLE this year. I guess I had better go do a little more studying. See ya next time, 73 & plenty of DX to all in '76. (Welcome to the NRC, Danny, and please send your Musings to our Provincetown address at the head of this section - often! -ERC)

JOHN SOMMER - 1022 Catalina - Fort Wayne, Indiana - 46825

From a verie of "Cheer Radio" I deduce: 1) CHIR is CHYR-7, because CHYR & CHYR-7 are shown in equalent position, one with "7", one without. 2) CHYR-710 is D-3, cardioid, five-tower NW/SE. 3) CHYR-7-730 is 500w. CHYR & CHYR-7, Box 70, Leamington. WJAZ-960 Ga.'s address is Box 505, not 545, phone no. is now 43209181. WAGN-1340 Mich., KSID-1340 Neb. are measured on daytime. WGAU-1340, Ga. isn't measured at all: "We check the frequency of both stations (WGAU & WNGC-FM) with a counter. 1340k is too crowded and no one could give us a reading all the time." Now really, 1340 crowded! TWO WEEKS FROM THIS ISSUE IS ANOTHER SKIPPED-WEEK. PLEASE DO NOT SEND IN TWO MUSINGS TO APPEAR IN IT. NEXT DEADLINE IS THURSDAY, FEBRUARY 12th. IN PROVINCETOWN. -ERC

DR. TOM WILLIAMSON - 43 Forest Hill Drive - Guelph, Ontario

Greetings to all. I was shocked to see that it was May when I sent in my first Muse. Time flies quicker the older you are! Well, despite the Postal Strike here, it has been a good DX season so far, though CX are not so good at the moment I'm writing this (9/1). I have again been enjoying the CPC TESTS, hearing WSWG WZAG WNR1 (all verified); & WJIC, WVGH, KZYX, WTR, WAGL, WMMT & WWSN (no verie from any of these - has anyone had anything?) I think the postal strike may have cost me a veri or two since WCRM's card was returned to the station marked "service suspended" and they kindly mailed it aga in more than one might expect! Other veries received this season are: CJEQ WARB KQWB WBOB WNAK CMTN KATZ WHIO WMP1 WWSO CKCY (third try!) WSIG WPAL KPSA WJUM WBBQ WARR WPRW, all v/l, and KSO WKTQ KMA CKSO WELI WCBM WBAW WPCW WSAW WWSW CHYR, all v/q. I know that there is really no station that NEVER verifies (??) but I wonder what members think about listing difficult stations? In older days some magazines used to list "VERI-SEON" stations that were notorious for poor QSL returns or long delays. Also the Swedish DX clubs, at least on SW, list "black" stations that are of similar problem to the keen DXer. I think listing stations which fail to answer three or more good reports might be valuable, what say? I would nominate WKEA WA AY WBNX WTHE WBZY WLYP WILD WTIK WCLS WKST in this category. Only local news here is that super-pest CJOY now shuts off its carrier some IDs around 12:15-12:35 allowing a little DX to filter through. It used to be OC all the time, and still tests w/rr after 1:30 or thereabouts; otherwise AM-6. I've had some fantastic friendships in many countries just from DX reports I've written to stations and individuals. Out of space now, 73s to all. (Tom, NRC has always been 100% against black-listing stations per se - could get us into trouble! -ERC)

WAYNE HESINEN - 1028 Pike Drive - Colorado Springs, Colorado - 80904

A little DX now & then between working days & evenings. 1/10 goes down as the first TA day here. Only one, but I was surprised at that 'cause the small loop I'm using is not that great. WDR-1586 was heard in & out for over an hour with light MoR & female in GG. New loggings include KNBI-1530 on f/c 1:14-1:19 & on; KIMB-1260-TEST 2:30-2:45 & on, CFRN-1260 2:22-2:30am, KSNQ-1260 w/f/c 2:14-2:21am off, KBTA-1340 w/ET, ID, & gone @ 2:50am. Later that day WYR-1260 5:40-5:50pm looking for KSNQ. I've found it quite strange to be located near these mountains. Daytime DX (what little I've done) seems to come only from the plains. My biggest "problem" spot is 1500-1440 where KIIQ-1490 & KYSN-1460 spend all their time slopping all over the place. KYSN is definitely the worst. They take out 1470-1440 almost all the time. As soon as I get myself situated a new loop will get built. I still have my 6,000' of #20 insulated wire. All I need now is a place nearby to put it up & use it. DX on 1/10: KGKI-960 for a report 2:21-2:30am w/rr, CKBI-900 2-2:04 s/off, leaving CJVI & CHML to fight it out. First good RS of a graveyard station here was KAIT-1400 w/rr & CBS NX 2:56-3:04am & on. Veries in since last time, v/q: WFAA-570, KOAM-860, WNAJ-570. v/f- KIML-1270, KBUY-1540. v/l- KWNL-1330, WIZH-1410, KXRA-1490, KXLF-1370, KAYQ-1190. Now it's 1/13 - DX from 1/12- 1080 had continuous MoR orchestral mx, IDed as R. Musical, Cali, Colombia, in most of the A.M. They IDed @ 2:32am. I quick went to 1550 to catch KNIC-TEST heard for about 15 minutes but I noted somebody w/cl mx & someone else w/rr on the channel but no more IDs. KNIC heard s/off @ 3:15. In the interim I crossed 1170 to find KJAS, Jackson, Mo. ETing w/rr & lots of IDs 2:52 till after 3am. Other new veries are KIJP-930, KNBI-1530 & KIMB-1260. 73.

CLIFFORD BARNES - 4506 Maple - Bellaire, Texas - 77401

As this is my first Musing, I feel I should include a little biographical data. I am 20, a college student, & have been DXing on & off for several years, although I have been an NRC member for only less than a year. Now, here's what I've heard recently, in EST. MM 1/5- At about 2:45, HJJY-650, from Bogota weak but steady signal, man announcing as "Emisora Monserrate" between two or three records in a row, my first Colombian. Also on 1/5 around 11pm, XEN-690 in Mexico City w/frequent "R. Mundo, Setenta y Seis" IDs by man between records, signal good, much fading. This one puzzled me, as no "R. Mundo" listed in 1974 WRTM; consultation with 1975 issue clarified matter. On 1/6, around 7:50pm, I heard YSS-655 w/ID of "I-griega Ese Ese, R Nacional de El Salvador" by man after what sounded like NX by man and at one time, a woman announcer. I have probably heard this before, but this is first positive ID. The signal was fair & steady w/some QRM from WSM. Same night about 11, TGRF-670 from Guatemala w/EAQ, man IDing as "La Fabulosa" after a record, signal good, slight fade. 1/7- About 10pm, I heard S3B on 970 or 980. Since my radio has no BFO I will never know what he was talking about. All in all, a good DX week w/three new countries logged for a grand total of six. 73s to all. (Welcome, Clifford, & we hope you'll appear here often! -ERC)

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

Hello again. This is being typed before I go into seclusion to study for ~~midterms~~. I was hoping the WCFR story wouldn't appear in DX NEWS since some people like to track them down for the purpose of prosecution. Tracking it down alone might be fun though, but I can't drive in the City & the car radio doesn't go past 1600k, hi. I didn't think my Panasonic went past 535-1605 but I have heard WCFR at the top & also a beacon sending UUP, then eight seconds of TT, one of silence, then UUP again. 530's where it is, but where is it located? For that matter, does anyone have a list of all the beacons on this coast on LW & MW? I've talked to John Doe a couple of times, on & off the air. He wonders where us NRCers have come up with ideas like 100-250w, Greenwich Village, etc., since he doesn't remember saying anything about this. He also has expressed interest in getting a copy of DX NEWS or at least a photocopy of any content concerning the station. WCFR is heard nil to very well here w/an average of just readable. 354 is Zone 1 in N.Y.C., which means mid-to-South Manhattan. I don't know what happened re WFTN-TESTS - they told me one set of dates, told Wes another, & HQ didn't print anything recently. Veries in from WWSN WWSO (who sent two in three days, different v/s) WOKO, CJEK, WDAF on TV-4 paper in a radio envelope. The following have AT-40: WBSR, KBND, KWAL-FM, WDIF. Here's some info on CJEK from what they sent: Nine towers located ten miles S of London. Main lobe pushed NNW at London, minor SSE at St. Thomas, four side lobes, biggest, West. Looks like they're protecting WKNE, WNEF, WHGR, WHIO, WVOW, WFBG. I like the Mothball Musings; they'd look good in Larry Flegle's Old Time Radio Column in IRCA too. (Gee, thanks a lot -ERC) I slept through MM 1/12. 1/16- WHLI-1100 Hempstead ET/TT/OC 12:45-1, semi-local; unnn. WPEN good in WDDJ null - if only I try & can do it around 8, it'd make my week to hear Geoff Fox. 73.

EARL B. JOHNSON - Box 217 - Mangrove Bay P.O. - Somerset Island, Bermuda

Greetings from sunny Bermuda! As this is my first Muse since joining a couple of months ago I'll keep it short. I'm Canadian, single, 29, military, into serious ECB DX only a year ago so I'm still a tyro. Equipment is an SPR-4 with loop AL-4 & 150' randomwire. Atmospheric noise levels here limit DX to three-four months a year so this location is not so great. So far I've logged 32 states, seven provinces, 14 countries. Best domestic (U.S.A.) catch is WFTN-1240 Franklin, R.H. during TEST 12/8; most distant is semi-regular KFI-640 Los Angeles. Best LA is PJA-5 1435 Aruba heard 1/1; Venezuelans & Colombians are too numerous to mention. (IDXD's Alan Merriman wouldn't feel that way, Earl! -ERC) Only TA to date on ECB is MROCCO-818 w/AA wailing heard at local sunset 1/12; usually only a het. I'm also interested in LF; Allouis-165 and Monte Carlo-218 are often audible, and Doenbach-180 when strong enough to loop out WGU20. One less non-Muser now! Keep DX NEWS coming! (we surely will, Earl, & please keep those Musings coming! -ERC)

M O T H B A L L M E M O R I E S

CHAPTER XIV - NOVEMBER 1925 BROADCASTING STATION REGULATIONS - by STEVE BEZILLA

CLASS "A". Class A broadcasting station licenses will be issued to stations equipped to use power not exceeding 500w in the antenna. When more than one station in this class is licensed in the same city or locality, a division of time will be required if necessary. CLASS "B". The power supply must be dependable and non-fluctuating. The minimum required will be 500w in the antenna. The system must be so arranged as to cause the generated radio frequency current to vary accurately according to the sound impressed upon the microphone system. Sufficient tubes and other material must be readily available to insure continuity and reliability of the announced schedule of service. The antenna must be so constructed as to prevent swinging. The radio equipment in the studio must be limited to that essential for use in the room. The room shall be so arranged as to avoid sound reverberation and to exclude external and unnecessary noises. The programs must be carefully supervised and maintained to insure satisfactory service to the public. The use of mechanically operated musical instruments is prohibited.

Many of our boys don't know that all programs had to be live at this time. Some time later on they were allowed to use records.

(ERC from here on) In the time around 1930, the network stations would not permit recordings, but the small independent stations thrived on them. But, you may be sure that in those days no self-respecting radio station would permit telephone-like tone quality on any program, whether it be news or interviews - now, on some newscasts, it is almost impossible to understand the voice on the telephone or on the overseas SW pickup. Even though these were days before hi-fi and stereo, then, tone quality was the best they could deliver, nothing less, like now. NEXT WEEK: CHICAGO!

WAYNE MURPHY - 1411 Phyllis Avenue - LOUISVILLE, Kentucky - 40215

There's good news from the Bluegrass! My R-390, on the blink for nearly two months, is finally running again. As it was apparently the victim of a fairly common problem, I'll detail its symptoms and solutions for the benefit of any who may be afflicted with it in the future. The tube (actually a thermistor, though a layman like me couldn't tell the difference) RF-510, alternately known as 3TF7, has a tendency to blow rather easily, in which case there will be a total loss of RF gain (though a background NL will remain). The tube is extremely rare & the only place I know which handles them is the Amperite Co., 600 Palisades Avenue, Union City, N.J. 07087. The tube can also be replaced w/a 42-50 ohm, five-watt resistor stuck in pins 2 & 7, order 3TF7. Those who own R-390's would do well to keep this bit of info handy! I'd like to thank all those who helped in any way throughout my difficulties, without whom I'd be up the proverbial creek. A vicious windstorm whipped through the area 1/13, doing quite a bit of damage. Among its casualties was my LW, Ted Fleischaker's TV/FM "antenna farm", as well as the towers of semi-locals WSAC-1470 & WKCM-1140. WSAC was off for at least three days, & I'm not sure how long WKCM was off, as I didn't even bother to check. As for my LW, I don't even use it very much so it's no big loss. Also, the rope holding it up broke rather than the wire itself so the repair job will be minor. Not too much DX lately, though I keep logging stations they are mostly TESTS, f/c, & an occasional SSS catch, & the latter seem to be getting fewer & farther between. CX were Auroral around 1/10-12 & several new ones were logged then though I apparently missed the best of it. Totals have nudged up to 1,277/43/6, countries, 23. I hope to get somewhere between 1,300 & 1,400 by season's end, & 1,500 by 12/31.

JOHN R. SALLY - 29926 Truman Avenue - Wickliffe, Ohio - 44092

Hi all! I hope everyone's surviving the Winter WX OK. Of course, that doesn't apply to those of you reading this in Southern Florida, California, Hawaii, and other gifted lands, hi. I haven't gotten much DXing done lately basically because I've been doing a lot of bumming around. My situation here has changed as I have finally acquired a loop! Ex-NRC'er Dave Kable finally broke down & gave me his now that he isn't using it any more. Well, it was pretty old & decrepid, but thanks to some touching up done by Dave Grim from Akron, & a re-wiring job done by yours truly, it's a fairly respectable animal now. It seemed to have gotten better nulls on locals with the old wire, but has much better pull with the new wire. All HQ-180s - Step aside! The Realistic TRF & loop are here, hi. Really, if you think the TRF portable worked great on its own, you ought to see it w/a loop! **Fantastic! New to the little DX I've done:** 12/26- WAVE-970 nice @ 5:28pm w/MoR & ID o/WNSW. 12/29- Two TESTS were heard on this MM: WHEB-750 w/TT & ID fair to poor @ 2:13 - new w/stat! WBAW-740 good w/mention of wanting to hear from the WC (did they?) at about 3:31 (I say about, because my watch stopped, hi!) 1/3- WOTO-540 on ET fair s/off @ 2:30; WOOD-1300 w/ID & local NX good @ 7:28pm in WERE null. 1/4- WNER-1260 fair w/r at 12:18am in WLXY null - relog. 1/13- WTIG-990 poor /NX, WX & ID; & WISR-680 good w/ Butler spots in CFTR null @ 11:07am. Logging WTIG was made possible by the new loop. My QRM lately is around as of ten as not, so I've learned to tolerate it. Many thanks to Dave Schmidt for his letter answering my plea for help in combating the QRM. Hey Paul, congrats on logging WLXY! By the way, for Paul & everybody, I recently had my TRF in Toledo where it produced no spurs at Frank Merrill's place, whereas Frank's Panasonic portable did. That's all; 73s & incrediburgable DX to all.

BRENT TAYLOR - 61 Warren Avenue - Riverview, New Brunswick - E1B - 3R8

Hi all. I just joined the NRC about a week ago & this is my first Muse. I have been DXing now for about five years but really got into it about 4/75. I joined the NRC because of fierce, irreversible pressure from one Tom Fawcett (Lachane, Que.) who refused to let me rest in peace until I "got my carcass into the NRC." Now for an intro: I am 16 years old & attend Moncton High. My radio shack, as of now, consists of one, small MW RX, housed neatly in the dash of our 1975 Ford station wagon. My skyhook is a cowl mounted whip sitting vertically on the car. So far I have 243 stations logged & 70 varies. I have heard 11 countries: Canada, U.S., Cuba, Mexico, Bonaire, D.R., Colombia, Venezuela, Nicaragua, Morocco, & England. I'd give you some of my DX but I don't have any recent stuff (it gets kinda cold in the car in Winter; hi). WQBX, Va. wrote I was the farthest to ever send in a report so far! Oh well, I guess that I've taken up enough valuable space for now. Next Muse I will have some interesting stuff to report. So, till next time, good DX & Fardiliar-snort. 73s. (The same to you, Brent, & welcome to the NRC - we will look for those Musings, but please DOUBLE SPACE them, O.K.? -ERC)

BOB COLYARD - 126 Forest Drive - Lakewood, New Jersey - 08701

Hi everybody. CX have stayed about the same, neither bad nor fantastic. Plus my noise problem has been about the same, a pain. One of the noises occurs primarily around dinnertime, prime-time SSS. It seems like a faulty electric oven. If you like noise, this one is really ugly. Well, anyway, 1/12- XERM-1500 w/WTOP off @ 12:50am. W. Germany-1586 real good till about 2am. 1/13- WHGC-1608 10:15pm, finally heard this one. 1/13- Barbados-900 9-11pm soff w/CHML. 1/18- Nice-1554 2am, much QRN Andorra-818 2:15am. I've been trying for a good copy of this one for the past few days. I've been told by reliable sources that live closer to the shore that St. Pierre's carrier on 1375 can be detected around 3pm. Three years ago, when I was in the Army stationed on Kinawa, I logged an unID British-sounding station on 1410 that I practically forgot about until Pete Taylor's article reminded me of it. There weren't many stations over there. At the time I thought maybe it was an image. Oh well, 73s till next time.

RICHARD K. SHAFTAN - 60 Gramercy Park - New York, New York - 10010

Hi-ya kids, long time, no see! Not much DX of late. Only noticeable item of late is tentative WKJB s/on w/WOR off a while back. I am too lazy to check when or at what time but the s/on time was either 3% or 4:15. It was a Log change, so whichever of the times is in the Log, it should be changed to the other. I heard an SSB & SS but will be more careful in the future as to what I guess at. Other items are CFAC, thanks to Mount's tip (ain't that strange?) & CBU s/off o/u XETRA w/Cuba null'd, & yes, I heard an ID! I've been checking into WCFR. BC first called me on this, folo by Schmidt's call & Wayne Murphy. I was one of the LAST to hear it. Signal is surprisingly weak here (S-7 at peaks) & is fady, this indicating presence of sky wave & ground wave. Phone prefix of 354 would be in Times Square, alias, the Red Light District. (ALL of N.Y.C. is a Red Light District, hi -ERC) Foxy told me they are also using prefixes of 996 which is Coney Island area, & 333, in Manhattan, S of 59th Street. If power is 100w as is suspected, I would suspect they are using some sort of antenna w/good skip & fairly poor SW as the CB "TriK Stik" is supposed to. Foxy noted most of the calls come from Brooklyn & the announcer "John Doe" says he lives there, plus the postmark on the letter which also says Brooklyn. I think estimations of power are meaningless as the power is probably being fed into a rather inefficient antenna. Schmidt & Coleman seem to feel it's a conventional ham XR. More as it comes up. Oh year, I'm the one who's been discussing various "off-beat" issues for a half hour at a stretch. I think sked runs till 4am now. I think RES should mention his DX totals are combined NYC/Metro/Fla. My theory is, if no new stations to the log are added in the daytime, then the locations should be the same for counting purposes. I agree w/RJE now as far as movable DX goes though! With my method, a DXer still can be combined w/distance so that ERC, e.g., wouldn't be counting stuff "illegally" in my book. (Mine neither, hi -ERC) Since I haven't moved & have heard all my portable stuff from home, I guess the controversy is ended. No hard feelings, 'tween AM, RJE & me as far as comments in 11/3 DX NEWS as I realize they had good intentions. To those I owe letters, please hang on as not much time. Shaft Top 50 of '75 for SASE. 24-hour NSP phone, 212-OR7-0342, especially WCPR info. Mothball Memories are great & I hope to see more guest authors. 73s, etc.

MIKE RAMIREZ - 5218 Roundtable - San Antonio, Texas - 78218

Greetings. Mucho DX from the girl capital of the SW. Veries up to 125 w/new states verified: Conn. (WRC); Colo. (KLOV), Wyo. (KIML), N.C. (WDSL), W.Va. (WWVA). Other varies include: v/q- WSPD, KAAV, WEXY, KFBQ. v/c/- WWWE. v/q- WRVA (also a new state), w/complete station info, two CMs (day/ni-ht) & letter of explanation due to me because my verification was delayed for almost 1/2 year, 60¢ postage. v/f- WEAS, KBCQ (ex-KSWS) one of the first received when they sent them out back in August. Lengthy letter from CE's wife (Now now!). -ERC) KAMA (for r/o) KIML (for r/c in 17 days- they said they had a small staff & hard to answer every report promptly. WDSL-TEST also thanked me for my accuracy in my report, hi! v/l-KKIM, WKIO, w/CM & rate card, KZEE also, WTTI w/CM, station info for one of their pesky ETs, v/l-CM: KTER KALT KVSA WSLG KPRA. KACO w/CM & membership card, KGBC, KRBE w/CM & also said there were two DJ openings (guy thought he knew me), VLL w/CM, KNBO w/CM & pix of studios, KCLR w/three CMs, WTAW w/two & station info, also said they test every Friday or try to at midnight CST, maybe another shot @ a TEST? 32 out of 34 states verified. Texas: 49. DX: 11/27- RAYC w/r @ 2:17am. 11/29- KIAT 2:45-10am w/talk of Santa Claus. 12/1- KOLS s/off 6:15pm. 12/2- KLOV mixing w/KTER 6:23pm. KNCB 6:12 s/off 12/3. KAMO s/on @ 7:01 12/6. 12/9- WSWG 8am s/on. Then, off to KE-land for the day. Gotta go. GUN-7. 73, & 88 to the GX.

V E R I E S I G N E R S

A - R. Keeney
B - W. Heinen
C - R. Schiller
D - R. Musco

E - J. Sommer
F - S. Morss
G - Y. Mattsson

H - S. Strentzsch
I - P. Mount
J - D. Bartek
K - E. Cooper

FEDERAL COMMUNICATIONS COMMISSION
FIELD OPERATIONS BUREAU
January 21, 1976

ADDRESS REPLY TO:

230 S. Dearborn St., Rm. 3935
Chicago, Illinois 60604

550	W ApY R	W D L Lane Jr., PD	C	1320	W H I E	R E Gasdin, CE	H
570	W FqA A	K Summers, PD	B	1340	K P R K	J F Hinman, GM	E
	W NqA X	u/u, CE	B		K A T Y	J Garrett, CE	E
595	Cominica	G. Buckmire, ST	H		K W V R	D F Dick, GM	E
600	W F R M	K M Wood, PubRel	D		K B R S	P Moffitt, CE	E
	C F C T	W Payne, SM	G	1360	K SqC J	u/u, CE	B
	C FqQ C	A J Koenderink	G		W G E E	D Stewart, CE	I
620	W EqT E	D G Tonkin, CE	B	1370	K X L F	K Schott, PD	B
	W LhB Z	H Soule, CE	D	1380	B W D	J D Laird, TSu	B
650	K QqR L	A Roycroft, CE	C	1390	W H P B	K Allison, CE	H
670	W MqA Q	W E Newbrough, E	E		W A D A	K Vassey, CE	H
700	J B C	u/u, CE	A	1400	W L L H	D Hlinsky, ACE	I
720	W GqN	W R Crane, CE	J	1410	W ImZ M	R Record, GM	B
730	C H YfR 7	u/u	E		K C O L	W Huett, PD	G
	X EnX	Jorge Galina V., D, OpC			W IqN G	J Yancey, VPoE	E
750	W SqB	G Fischer, PD	G		C I G O	D Bedell, MxD	FK
810	H JfC Y	Sra. G Zambino, GG	I	1420	W B E C	D L Coleman, Jr., CE	D
850	K FcU O	J Lischer, CE	E	1430	K OqS I	R Doane, CE	D
860	K QqA M	J Patterson, CE	B	1460	W VFO X	S Sinuk, CE	G
890	W LqS	D A nell, CE	J		W PFR W	W K Harris, CE	D
910	W SqB A	J R Shadle, E	E		K M W X	(T C Bostic, P	O
920	D Z R P	Julie S Paderon, PR	G			(M Burill, CE	G
930	K I U P	R H Houston, CE	B			(M De Von, JM	G
950	K JfR	L Hurley, CE	G		K SqO	J Roskos, CE	H
960	W J A Z	Mr. Ducas, CE	E	1470	K S E M	H J Compton Jr., CE	D
	W H A K	H Klann, GM	E		W EmA G	T Teffetter, CE	D
1000	K X R B	L Anthony, PD	B	1480	W C I N	C J Dettmar, Cop	E
1070	W SpC P	J H Hann Jr.	F	1490	C J M C	(F Pelletier, PD	G
	W FqL I	K Poteet, E	E			(R Rathe, A	G
	C BqA	R Beaulies	E		K X R A	J A Radermacher, CE	B
	HnJ CqG	u/u	K		W Tpr L	R Janotti, MxEd	C
1030	C HqU M	G Jones, E	E	1500	W KqE R	D Lawshe, CE	D
	W A U G	S Daitch, E	E	1510	W L A C	E Lawson, CE	G
1080	K A N C	B Parker, PD	G	1520	W A N R	G Siegel, A (NRC)	K
1100	Z DqK	u/u	A		W qE XmY	J Vogel, CE	K
	W WqW E	J Schraetle, EM	K		K O M A	E Kaye, PD	G
1110	C H Q T	F Makepeace, CE	G		K Y X I	J Liniger, PD	G
1130	W NqE W	P Champion, CE	E	1530	W R B X	G Gravitt, PD	F
	K LqE I	A Roycroft, CE	C		W Tph O	C R Sanders, VP	C
1150	W J B O	E Oliver, CE	H		K N B I	D Tucker, M	B
1180	HfI BnE	"C. por A.", S	C		K N B O	J Cameron, CE	H
	W HqA M	A Davis, CE	J	1540	K BfU Y	u/u	B
1190	K A Y Q	B Weiss, TD	B		W T K M	R Feutz, CE	E
	C F S L	J T Laing, GM	G	1550	C BqE	M Piche,	E
1220	CqK ChW	R Oke, CE	DG		W KpY E	M Sandage, CE	D
1240	C J R W	F MacFarlane, CE	D	1560	W CpC P	R E Liverance, CE	K
1250	WxM TmR	A W Parman	I	1570	W M L O	E W Horne, Cop	D
1260	KfI MmB	Joan Wood, M	B	1580	K PqM C	G E Patterson, CE	A
	W IqX Y	S Kelly, PD	DI		W S B P	R Fleetwood, P, GM	C
1270	K I M L	J R Nulle, AE	B		W SpK T	H J Morgan, O	D
1280	W W T C	M McKenzie, CE	B		W E Y Y	H O'Neal, TD	F
1290	K W N S	R Lee, CE	G		H J Q Z	Antonietta Fuscaldo	O
	K GmV O	L B Peterson, GM	G		K LqO U	D Chimend, CE	H
	C HFR M	R Bergeron, GM	F		K W E Y	V E Rush III, CE	H
1300	K BmR L	W Berg, CE	A				
1330	W F I N	E C Smith, CE	D				
	W FpT P	William u/u, CE	C				
	W LpA I	J E Hawley, CE	C				
	K W W L	E M Tink, VPoE	B				
	W FcB C	u/u	I				

Mr. Wayne Murphy
1411 Phyllis Avenue
Louisville, Kentucky 40215

Dear Mr. Murphy:

Your kind invitation of January 16 to speak at your annual Convention banquet is appreciated but the invitation must be declined. The pressing demands of high priority work on the limited staff of this office prevent the assignment of a speaker to a function of this type. We have from time to time met individually with members of the National Radio Club and are aware of the interest in reception of distant broadcast stations. Perhaps at some other time we can join you at one of your meetings or Conventions.

Very truly yours,

E. J. Galins
E. J. Galins
Engineer in Charge

This is all the v/s we have as of 1/19/76. Please send in your late ones, but weed out those which have appeared here recently. Use our abbreviations, and please double space, and list frequency. Thank you! -ERC