



DX NEWS

*the magazine of the
National Radio Club*

— SINCE 1933 —

Volume 45, Number 4 Monday, Nov. 7, 1977.

STATIC FROM HQ

The air's been full of static this week, which is a nice way to say we've had a lot of mail here at headquarters. First off, Norm Maguire and Bill Hardy both tell us the big Honolulu connection has come off and KHVH has moved to 990 and KPOI has journeyed down to 1040, so you can start looking for both in their new "homes". From the San Diego area comes word from Randy Seaver that the San Diego DXers will hold their annual November get together Sunday, Nov. 20 starting at 1 p.m. at the Seaver residence at 1154 Via Trieste in Chula Vista, Calif. The phone is (714) 422-3397. Randy tells us the agenda includes talking, bragging, munching, guzzling and even some listening. A barbecue dinner will be served at 5 p.m. and beer, soft drinks and munchies will be provided for the modest fee of \$2 per adult. All DXers are invited, but please let Randy know you're coming! To get there, take Interstate 805 South in San Diego to Chula Vista (8 miles south). Take the "L Street" exit west and turn left at the first light. Go ½ mile on this street (Nacion Avenue) to E. Naples, make a right and the left on the first street, which is Via Trieste. 1154 is at the end of the block.

CPC Test Schedules:

- Nov. 14 WCAZ-990 Carthage, Ill. 0115-0130 with 1000w. w/TT and voice IDs. Modification of regular frequency check. Verie requests to Station Manager, WCAZ, 84 S. Madison St., Carthage, Ill. 62321. Arr: John Kromka.
- Nov. 14 KVVU-610 Logan, Utah 0300-0400 with 5000w nondirectional. Taped test is prerecorded and includes code IDs and tones. Voice IDs and music also will be played. V/S Bill Traue, Director of Engineering, KVVU Radio, P.O. Box 267, Logan, Utah 84321. Prepaid calls to: (801) 752-5141 or 753-1977 are welcome. Bill Traue is an NRC member so thanks Bill for the test and thanks Ron Musco for arranging it.
- Nov. 20 CJGX-940 Yorkton, Sask., Canada. Time, details still TBA. Test is by station--info received from Kelly Andrews.
- Nov. 28 KLUC-1140 Las Vegas 0300-0900 Will use 10,000w. nondirectional. and V/S Dave Anthony, PD, KLUC, Box 14805, Las Vegas, Nev. 89114.
- Dec. 5 Test Arr: Ron Musco.
- Dec. 5 WMTR-1250 Morristown, N.J. 0000-0300. Will possibly also run later. or Use 5000w. Details TBA. Arr: David Williams.
- Dec. 12
- Dec. 19 KVVU-610 Logan, Utah. Test will run twice--see Nov. 14 for details.

Every 2nd Saturday of month until further notice...KGRN-1410 Grinnell, Iowa will test 0630-0700 w/tones, IDs and poss. mentions of GWDXA. Power is 500 watts, nondirectional. Calls to: (515) 236-6106. Arr: Elliot B. Pollock.

THE WORLD'S OLDEST AND LARGEST ALL MEDIUM-WAVE DX CLUB

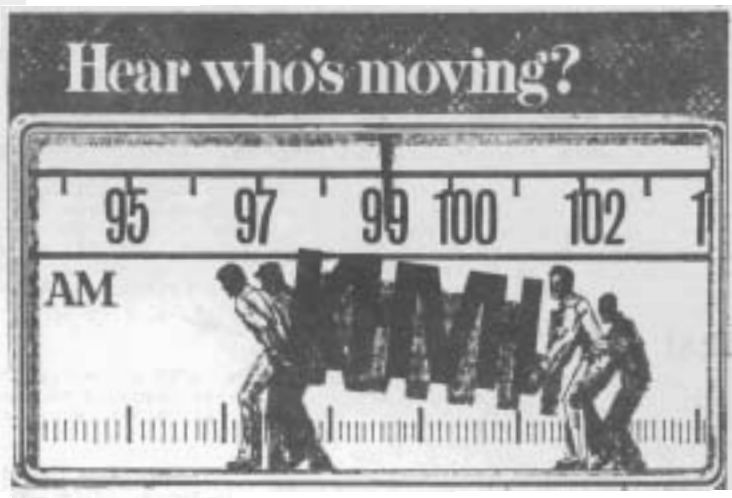
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THEY JOINED

Ronald L. Fraser, 801 City View Drive, Minnetonka, Minn. 55343.
 Michael Plummer, 1402 Alpha Drive, Warsaw, Ind. 46580.
 Jerry M. Pine, 11645 Montana Avenue, Apt. 202, Los Angeles, Calif. 90049.
 James T. Bryan, 764 Palm Circle, Tracy, Calif. 95376.
 Thomas J. Pruden, 104B Antionette Court, Charlottesville, Va. 22903.
 Mark Strickert, 5715 North Kenmore, Apt. 302, Chicago, Ill. 60660.
 John W. Smith, C/O RADIOMAN, 2711 Highway 62, Jeffersonville, Ind. 47130.

FROM NORM MAGUIRE.....

Friday, October 14, 1977 Honolulu Star-Bulletin A-9



WEEP engineer comes 'through'

By ANNE ARDEN
 Staff Writer

Until last Wednesday, George Zuk didn't know much more about microphones than how to turn them on.

Then a fire in the Fulton Building in Pittsburgh shut off WEEP's broadcast transmission. And Zuk, a radio engineer at the WEEP AM transmitter in the Wildwood section of Hampton, showed he could come through.

Zuk, of Pittsburgh, said:

"I stuck a mike into the system and started running the standby tapes. I can't even remember what I ran except for a couple of Mac-Davis things.

Anyway, what scared me was all that dead air while I was changing the tapes. I started saying anything I could think of Anything.

"I talked about the weather. I gave the call letters of the station

I told them who the Pirates were playing that night.

Later in the day, Zuk was rescued by a visitor who played his records over the air.

Zuk and Mike Metrovich, also of Pittsburgh, form the entire radio engineering crew at the 50,000-watt transmitter on West Bardonnor Road. Their job, sunrise to sundown, is maintenance and operations.

All the broadcasts usually originate from the Fulton Building. Metrovich, who was checking the levels at the FM WEEP transmitter on Troy Hill, didn't even know about the fire when he called the studio to report trouble. He said:

"I got no answer. No answer at a radio studio! I couldn't believe it! I figured, this is just like in the movies. They must've dropped a bomb on Pittsburgh!"

WEEP, a station that features country western music (1080 AM; 108 FM), sends signals to its Troy Hill transmitter by telephone cable. They are relayed to the Hampton site by microwave.

Four antennae are at the site. George and Mike turn on the power at sunrise, then take care of the technical details of transmission during the day.

George never figured he'd get closer to broadcasting than just that. Then came the fire and his stint as disc jockey for a day.

"Not too bad," he said.

"Except for all that dead air."

Mozlack in the North Hills News Record,

DOMESTIC DX DIGEST

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

Hi All,

This column comes to you from beneath a pile of tips the likes of which have never been known in this world, hi. Seriously, I want to extend my great thanks to all who contributed to the contest. It's support like I've had in the past week which tells me that DXing will survive for a long time to come as a hobby. There is, of course, a bit of a problem. The 1,500+ tips which I received would require a week to type and would fill two editions of DXN. Thus, some (a lot, hi) of editing had to be done. What appears here is the "greatest hits" of the contest, plus regular tips. All contest entries will be forwarded to Bob for point calculation. Anyway, on wid it...

SUNSET to MIDNIGHT

800 CJAD PQ MONTREAL, 9/28 atop CKLW for a change 2205. (HJH-PA)
 1260 CIHI NB FREDRICKTON, 10/11 incredible sig o/WDC w/T-40, "Tongue Tripper" contest 2019+ (HJH-PA)
 1270 WMFM NC SMITHFIELD, 10/13 exc w/C&W 1840, s/off no:SSB 1844. (HJH)
 1290 WVOH WV LOGAN, 10/18 vy gd o/WNEF w/inst mx 1841. (HJH-PA)
 WQIN PA LYKINS, 9/30 vy wk u/WFBG/WNEF w/s/off, jx 1915. (HJH)
 1330 WEAW IL EVANSTON, 10/18 1901 w/ID "WEAW Evanston, a service to metro Chicago" w/v/gd sig, then out. (HJH-PA)
 1360 WGFA IL WATSEKA, 10/13 hrd u/nulled WDRG w/s/off 1915, ments 1kw directional. (HJH-PA)
 1380 WWKY KY WINCHESTER, 10/15 tent; part IDs hrd on 1900 s/off. (HJH)
 1390 WKIC KY HAZARD, 10/13 s/off fr after good night theme 1900. (HJH)
 1410 WHLN KY HARLAN, 10/18 s/off 1858 weak u/WPOP. (HJH-PA) (HJH-PA)
 1420 WCED PA DU BOIS, 10/15 vy strong w/sports 1850+. Forgot to swirch?
 1470 WWHY WV HUNTINGTON, 10/11 w/lcl spots, IDs 1856. (HJH-PA)
 1590 WGOE VA RICHMOND, 10/15 s/off vy wk u/mess 1829. (HJH)
 WJSO TN JONESBORO, s/off 1900 10/12. (FAW-PA)-
 WIXX WI NEW RICHMOND, 10/17 s/off 1930. (FAW-PA)

MIDNIGHT to SUNRISE

550 UNID ?? 9/4 TLK w/guest gd w/WKRC nulled. KSD?? 0418. (JGF-MI)
 KFYR ND BISMARCK, 9/4 T-40 pgm w/WKRC/Unid nulled 0435--ad for McCarney Ford 0431-0440. (JGF-MI)
 650 KORL HI HONOLULU, 10/10 0445 w/T-40, single. (WH-CO)
 660 KPAR AK FAIRBANKS, 10/9 0957 shocker, avg sig w/really hashed up audio, strong enough to hear "KPAR" twice and "Fairbanks" once plus TC. MoR. (BH-WA) ** 10/9 0957 "KPAR in Fairbanks" after MoR, good, then faded. (NH-WA) ** 10/7 found very nice carrier which quickly overrode the slop from that &&& unpleasant 680 local of ours w/light rr, sparse IDs. In at various checks up to 0450 when I passed out from the noise. (ECR-CA) Wrong Bill; even the weighty 680 can't stop me, hi...ECR
 750 KFQD AK ANCHORAGE, 10/3 0228 fr to gd w/pops, "KFQD" jx. No WSB, weak Unid rumble; maybe YNX or JJ. (BH-WA) ** 10/3 0228 jx ID into pop mx, 0230½ annor gave call, into more mx. (NH-WA) --
 790 KFGO ND FARGO, 10/16 exc w/C&W, nx 0328-0335. (JR-IL)
 CHIC CN BRANTFORD, 10/10 fr-exc 0224-0246 w/ROL (Rock Oldies?? ECR) more IDs, lcl ads, jx ID 0230 seemed to ment a 2nd city. (PRM)
 810 WJH OH CLEVELAND, 10/10 0504 w/CBS nx. (NH-CO)
 860 KOAM KS PITTSBURG, 8/26 C&W frmt, gave away a "Rabbit" album and a "Six Pack" of 45s to the furthest caller away, could have won if I would have called in, hi. 0618-0636. (JGF) Would you want to win a contest like that?? Hi--ECR
 920 CKCY ON SAULT STE MARIE, 10/10 gd 0152-0209 w/rr, non-stop mx, JRM de 32L or JAZ stn. (PRM-NY)
 960 WFIR VA ROANOKE, 10/17 atop w/rr 0322. (JR-IL)
 980 CKRM SK REGINA, 10/17 u/RC w/C&W 0225, other times. (JR-IL)

INTERNATIONAL DX DIGEST

CHUCK HUTTON
1035 LATHAM ROAD
DECATUR, GA. 30033
404-633-1198
(BEFORE 2300 ELT)

Times are GMT. For ELT subtract 4 hours. Deadlines are usually Monday.

- 1050 WASH DC WASHINGTON, 10/17 bombing in w/nxradio 0135+. (JR-IL)
TORONTO, 10/3 vy gd fadey w/rr, CHUM car sing contest
promo (Car sing contest?? A singing Pontiac; what? I've
heard everything, hi--ECR) 0234-0237 w/JHN off. (PRM)
1070 WFLI TN LOOKOUT MOUNTAIN, 10/3 gd on 2T/mx 0238-0300 t/out.
IDs said 50kw daytime power. (PRM-NY)
1230 WNCN VA NORFOLK, 10/3 fr w/rr 0129-0132, "it's 1:31 at NOR" ID
by YL, FFC QRM, hrd once before. (PRM-NY)
1300 KVOP CO COLORADO SPRINGS, 10/17 almost alone, strong w/soft MoR
to 0200 s/off. (JR-IL)
1320 KELO SD SIOUX FALLS, 10/16 exc w/T-40 0406. (JR-IL)
1340 WMID NJ ATLANTIC CITY, 10/1 fr w/QRM, IDs as "The Lucky 13" (Sick-
ECR). T-40, 0203-0208. (PRM-NY)
1350 WHNE VA PORTSMOUTH, 10/1 fr-v/gd w/almost non-stop C&J, promos
for "Honey Radio bumper sticker contest" (This is not
better, hi--ECR) 0121-0200, into ABC/E nx. IDs as Honey
Radio except on hr. WHNH QRM, WINS spur. (PRM-NY)
WJWH NJ PRINCETON, 10/1 u/WHNE 0143 w/lcl spot. (PRM-NY)
1380 WPHM MI PORT HURON, 10/3 0457--inst SSB, 0458 s/on anct, 0459
"Christopher's thought for the day", then fades. Atop
but poor; KRKO off MMs now. (BH-A) Drool--ECR
WMEE IN FORT WAYNE, 10/3 0328 ending nx, sports, wx "at A-M-E-E"
into Elvis oldie. (BH-A) Grrrr--ECR
KPOI HI HONOLULU, 10/3 0500 "K-P-O-I" thru WJWH/PHH/KGMS 5 sec.
past hour, but faded immediately. Resurfaced 0511 saying
"K-poi". (BH-A) Kill! Kill! (ECR)
KQDA SD RAPID CITY, 10/3 0658 inst SSB, s/on, wx, into CBS nx 0700.
loud atop mess, KGMS nulled. KRKO off. (BH-A) How mundane,
hi, ECR...
1400 WWIN MD BALTIMORE, 10/1 loud w/Raid spot (Nice to know when they're
coming--ECR (Hi)), WWIN jx into mx 0218-0222 t/out. (PRM)
1410 KWOY WY SHERIDAN, 10/9 0106 vy wk ID in apparent s/off after
"Portals of Prayer". Had U of NY vs UT college fbl from
t/in 10/8 2130 to 10/9 0104, so game must have delayed
s/off a few minutes. Ided again 10/10 2205 after part of
AI nx, again 10/11 2311. Strong CFUN only slightly
nullable; KMYC also in 10/10, 11. (BH-A)
1450 WENZ VA HIGHLAND SPRINGS, 10/1 gd ID 0300 w/promo "24 hrs a day,
the leader in mx and nx", into nx, AOL QRM. (PRM-NJ)
1490 CJPR AB BLAIRMORE, 10/7 0257 relaying CJOC, atop w/C&J, "C-Jock
nx" 0300-0302, never said CJPR. (BH, NH-A) (PRM-NY)
1560 WCNW OH FAIRFIELD, 10/17 ET/C&J, IDs, asking for phone reports.
1590 WAEN PA HONESTALE, 10/10 fr on TEST w/rr, IDs 0010-0025, some
WQW QRM/WRL slop. (PRM-NY)

That's probably not it, but I'm tired, hi... Once again, I want to thank everyone for the great support....

Those who helped:

JGF	JACK FAULKNER	Rockford, MI	Channel Master
BH	BILL HARDY	Aberdeen, WA	HE-30, SM-1
NH	NANCY HARDY	Aberdeen, WA	HE-30, SM-1
HJH	HARRY HAYES	Gouldsboro, PA	T-0, SM-2
WH	WAYNE HEINEN	Colorado Springs, CO	Rx
MH	MIKE HEPPE	Houston, MS	Tx
JK	JOHN KPOMKA	Montville, NJ	DX-160, L1
ASL	ALBERT LOBEL	San Diego, CA	Rx
PRM	PAUL MOUNT	New York, NY	TRF, SM-1
JR	JEFF ROBERTS	Carbondale, IL	DX-150, SM-2
JFB	JACK STAFF	Stratford, CT	S-108, SM-2, L1
MT	MIKE EUGGLE	Bel Air, MD	Crystal Set, L1
JJM	JAMES WALLACE	Whitehall, OH	Rx
Marki	BOB BESOLOSKI	Milwaukee, WI	Pabet, Philco

Adieu.....

WRIT Cancels All-News Style

WRIT, which has lost more than \$500,000 in two years of all-news operation, is dropping the format today. For now, the AM station

plans to simultaneously broadcast country music from its FM sister, WBCS, which has been making a small profit.

The station has a new president and general manager, Terrell L. Metheny Jr., known as Mitch Michaels when he was a rock 'n' roll

disc jockey at WOKY in the 1960s. He succeeds Bernie Strachota, who ended 19 years with WRIT Sept. 12. Most of WRIT's news staff reportedly is being dismissed.

Milwaukee Journal
10-6-77

Robert J. Woodruff

Not a whole lot quantity-wise this time, but being dedicated NRC'ers we made up for it with loggings of astounding quality, hi. 10/19 amazed me as an excellent LA night, but was then paled by 10/26. A mere 94 LA splits were audible or detectable that night

More Caribbean news from Dick Clark: HIAB R. Isabel de Torres now 840, ex 870. HICK 940, ex 930; HIJC on 1560, ex 1550. New is an AFRTS outlet on Turks and Caicos, freq 1460, and a power of 250 watts. WPFC 1570 in Penueelas, Puerto Rico is no longer a CP; they are on the air.

Via Arctic Radio Club: a report of HCJC3 R. Centinela on 1505, word that a new Nigerian began tests on 773 from Bendel state (no further details), and in the EBU monthly report for September 1, 595 Morocco noted here, 1402 Tripoli here w/European and Foreign Service, power 20 kw, R. Mi Amigo measured on 1411.7, the wandering Bamako, Mali station is now on 1430, Rabat Morocco noted on 1456, and an unid Moroccan noted on 1637 // 209. (One begins to wonder whether any station in Morocco is on its assigned frequency-CH)

From New Zealand DX Radio Association: Saipan FEBC 940 with 10 kw expects to be on the air by the end of September. Papua New Guinea Port Moresby is reported to be back on 1250. Argentina LU14 780 has raised power to 25 kw.

- 575 USSR Khabarovsk heard on 10/10, 11, and 16 between 0930 and 1320. Best on 10/16. Beautiful chimes ID at 1000 unlike the RR's on 584 and 1376. (Wilkinson)
- 584 USSR Svobodnyy heard as early as 0928 on 10/10. Also good from 1151-1154 on 10/11. A set of six chimes ID at 0930 10/10. (Wilk)
- 605 ECUADOR R. Huancavilca audible on peaks 10/26 from about 0100 on but still no taped ID for the file. But for WPLO 590 at 126 dB he wouldn't be so elusive. (Hutton)
- 625 COSTA RICA/UNID a 100-200 hz het nightly on R. Cucu, but audio not good enough for ID. (Hutton)
- 640 CHINA location unknown, must have been the source of CC singing heard u/KFI 1410 10/7. Fair signal. (Tomer)
- 648 GAMBIA Bathhurst 10/20 at 2310, good w/rhythmic mx, 32 dB/noise. (Bailey)
- 650 ALASKA ?? Anchorage KYAK probably the one w/c&w mx 0648 10/3 thru partially nulled KORL. Looped towards Alaska, not Nashville; WSM supposedly off at the hour and KFQD 750 was booming in at the same time. Unfortunately this stn played two straight c&w songs w/no ancts and faded u/KORL before any ID. But at least I know it's possible here now. (Hardy)
- 660 ALASKA Fairbanks KFAR 10/9 at 1357 w/average sig but really hashed up audio. Strong enough to hear "KFAR" twice, "Fairbanks" once, and an Alaskan TC. Note they are now AN at least on SM's-had dropped the AN in 1974. (Hardy)
- 702 MOROCCO 10/20 at 2250; another Moroccan moved up 1 khz. 40 dB/noise. (Bailey)
- 710 SOUTH KOREA HLKA Seoul off assigned freq of 710. Really booming in 1301-1305 on 10/16. (Wilkinson)
- 718 PORTUGAL Norte obliterating 720 w/mx 2246 10/14. 782 (Portugal) and 683 (Spain) also in well at this time. (Eckman)
- 730 TRINIDAD Port-of-Spain strong w/local nx, weather 0002 10/1. Dominant on channel w/no probs from other LA's. (Eckman)
- 740 SOCIETY ISLANDS Papeete, R. Tahiti heard w/FF talk at 0710 tune-in, then jazz until 0730 s/off. Generally very poor but readable during peaks and // to 11825 and 6135 SW. (Tomer)
- 748 UPPER VOLTA Ougadougou 10/20 at 2340; native chanting 40 dB/noise. 5 hz SAH. (Bailey)
- 780 JAPAN JOXR/JOXK both loggable on 10/17 from 0943 to 1019. Was amazed at the volume of these 5 kw stns. (Wilkinson)
- 782 USSR Spassk-Dalnny logged 1055-1202 on 1017. Entire pgm in RR.

(782, continued) Have mailed report directly to the station; no more R. Moscow for me. (Wilkinson)

827 LIBYA (tentative) usual mess of carriers here w/AA chanting dominant 2244 10/14 over SAH's. Still have never gotten a positive Libyan ID here. (Eckman) Last year they were signing off at 0100 and that would be a good time to try-CH

835 CHINA Nanchang pounding in on 10/11 from 1137 to 1141. Equal to volume of CC on 1040. (Wilkinson)

840 CHINA/SOUTH KOREA CC speaker here and HLKY battling each other on 10/11 from 1141-1145. (Wilkinson)

844 GILBERT ISLANDS VSZ1 Tarawa was best ever on 10/17 from 0933-0942 with good Polynesian mx. (Wilkinson)

854 PERU OAX4 Lima must be AN. Heard 0928-0933 on 10/17 at S7-S8 level. (Wilkinson)

890 SOUTH KOREA/JAPAN/3rd ASIAN HLKB, JOHK, and CC speaker all taking turns 1253-1256 and later on 10/16. Unable to separate any of these on the loop. (Wilkinson)

900 BARBADOS CBC excellent w/local sports 0000 10/1 on a very auroral evening. (Eckman)

945 ECUADOR R. Ifesa almost equal to HRYW 944 10-26 at various checks. ASIAN UNID oriental here 1208 to 1216 on 10/16. M&F speaking alternately in what sounded like CC. Perhaps a new Indonesian here? Would like some help on this one. (Wilkinson)

1035 MOROCCO 10/18 at 2300, FF male annr w/eight minutes of nx. Rabat mentioned twice. Rock mx format, no IS, and no anthem at 0100 s/off. They just pull the switch. GPN direction finding helpful. 68 dB o/noise, not // the 3 Moroccan nets. (Bailey) This one drove me crazy. There are very, very few anncts between records, nothing at s/off, etc. Features hard core rock mx a la Joplin. Unbelievably strong most night-close to if not the best TA here. Matters further complicated by it not being // to anything else, so tnx for the ID-CH P.S. Between reports in IDX and European bulletins, 593, 611, 701, 773 (supposedly on now), 935, and 1043 have all jumped freq. Have had a weak carrier on 864 so maybe 863 is also on the new plan-CH

1088 ENGLAND Crowborough strong w/OM in EE 0316 10/9. Very good 0520 w/GG pgm. (Eckman)

1091 COLOMBIA La Voz de Monteria noted recently on the newest of its many freqs, quite strong. (Hutton)

1115 ITALY (tentative) believed to be the one w/TT 0434-0438 10/9 w/ surprisingly strong sig. App. s/on at 0500 as I noted YL in what seemed to be II at 0505. No positive ID though. (Eckman)

1146 HAITI (assumed) first noticed weakly at 0212 10/26 but not enuf for any sort of ID. (Hutton)

1214 ALBANIA Tirana good on peaks 0245 10/15 w/AA speech. (Coughlin)

1224 UNIDS one on 1224, the other on 1224.4. Per the Europeans (who somehow here splits better than we do) these are R. Nueva Victoria in CR and R. El Mundo in Ecuador. (Hutton)

1255 UNID and interesting. Very weak w/occasional audio assorted nights this season. Arctic Radio Club lists Os. Carchenses in Ecuador here. (Hutton)

1345.4 HONDURAS caught 2 "R. Constelacion" ID's 10/19 eve, forgot the time. Schatz says this is HCRG, 10 kw in Tegucigalpa and nominally 1340.; however WRTH has listed a 1 kw in Tegucigalpa on 1350 for years. (Hutton)

1376 USSR Vladivostok in on rare occasion at 0936-0942 on 10/10. Good music and male vocalist w/male annr in RR. Not as strong as 584 and 665. (Wilkinson)

1380 HAWAII Honolulu was still on 1380 10/3 at 0900, when I heard em for the first time ever. KRKO off, KGMS nulled, QRM from WPHM and WMEE. Poor. (Hardy)

1394 ALBANIA Tirana noted fading in at 2205 10/15 w/EE pgm. SS pgm at 2300 vy strong on 10/15. (Eckman)

1412 UNID carrier noted at 0434 10/9. Several possibilities per WRTH. (Eckman) R. Mi Amigo most likely-CH

1443.3 ECUADOR (tentative) stumbled into a poor to fair signal 10/26 at 0245. Produced audio except when it faded way down. Unable to catch an ID; the Europeans are reporting HCBX1 R. Cultura de la Casa Ecuatoriana here. (Hutton)

1457 ALBANIA Durres assumed w/strong carrier; weak audio w/YL 0405 10/8. Noted again 0355 10/9 very strong. (Eckman)

1466 MONACO Monte Carlo TWR fading in around 2206 10/14 w/r1g pgm. Potent 0425 10/8 w/OC-TT. (Eckman)

1475 UNIDS three distinct carriers here 10/26 eve-1474.9, 1475, and 1475.5. Low and high both produced audio with 1474.9 definitely in SS. (Hutton)

1475 UNID possibly two stns noted here on several eves at around 0400 and also at SS occasionally. Have yet to ID Vienna here so far this season so one of them could be it. Spain and perhaps Benin could also be possibilities. Best on 10/8, 10/9, and 10/15. (Eckman) Should have been more specific above, the stns I "heard" were LA's-CH

1484 UNID stn here w/TT off-on 0425 10/8. Surprisingly strong 0517 10/9 w/TT. Anyone else hear this one? (Eckman) Sorry, no help.

1493 UNID stn w/OC quite weak 0426 10/8. No chance of an ID at this time. (Eckman)

1502 POLAND Warsaw excellent w/piano IS 0500 10/9 well atop the channel, SAH's presumably from the Spaniards. (Eckman)

1529 VATICAN Vatican City xlnr w/familiar IS being repeated 0058 10/8. No problems from WCKY. (Eckman)

1554 FRANCE? good at 0250 with light mx and anncts in FF, caught just the end of a march 0330, 0330-0400 several annrcs in what could have been a FF dialect, singing, and accordians. 0410 AA mx and annct. (Coughlin) France not sked then, but you've got decent evidence to the contrary. Certain of the lang?-CH

1586 WEST GERMANY Langenberg good 0230 10/15. Light mx with anncts in GG. (Coughlin)

1602 WEST GERMANY Munchen strong w/typical pgm 0320 10/9. WDR considerably weaker at the time. (Eckman)

Traumatizing my metacarpals and sternocleidomastoid were . . .

Bill Bailey-Holden, Mass. 2 R390A's and 2 // 1200' phased Beverages
 Mike Coughlin-Boston, Mass. Navy RBM4 and unamplified 7 1/2" ferrite loop
 Richard Eckman-Philly, Pa. HQ180A w/2 mechanical filters, Sanserino loop
 Bill Hardy-Aberdeen, Wa. Lafayette HE30, SM1
 Chuck Hutton-Decatur, Ga. R390A, HQ129X, 2 1500' Beverages
 Randy Tomer-McKinleyville, Ca. HQ180A, Sanserino loop
 Hank Wilkinson-Santa Rosa, Ca. SP600, HQ180, Sanserino loop

SPECIAL METHODS THAT CAN INCREASE POSSIBILITY OF
 LONG DISTANCE DX TEST RECEPTION
 Frank Dailey

- IF MUSIC IS PLAYED:
 Use distinctive music - marches & polkas stand out. Few stations play them and there is usually high modulation in them. Over the years DXers have been accustomed to use of them as DX test material.
- TEST TONES:
 Use stepped tones as opposed to sweep tones. Try to stay within a limit of 500 Hz to 3 kHz in audio frequency as many communications receivers are designed to clip the highs and lows. An excellent example could be:
 15 seconds.....800 cycle tone
 15 seconds.....1500 cycle tone
 15 seconds.....3000 cycle tone
 15 seconds.....full station identification
 1 minute
- USE OF PHONETICS:
 Many calls sound similar especially when the signal is weak or there is another more powerful station on the frequency. "B" "C" "D" "G" and "T" can easily be mistaken, but Bravo/Charlie/Delta/Golf/Tango won't be. Several phonetic ID's can help. "This is KGBT - King, Golf, Bravo, Tango conducting a test."
- MORSE CODE ID'S:
 While use of pure CW, A-1, Morse code by actually keying the transmitter is not permitted on standard broadcast stations, it is possible to record several Morse Code ID's on a "cart" or cassette and play that over the air. Several stations do just that for their regular frequency checks with monitoring companies. This "Morse Code" enables DXers to drastically reduce receiver bandwidth, cut interference, and possibly hear the DX station in "Code" when voice can't make it.

THE BEST METHOD OF INSURING THAT A DX TEST WILL BE HEARD IS TO CONDUCT IT AT A TIME WHEN THE FREQUENCY WILL BE AS CLEAR (OR FREE OF INTERFERENCE) AS IS POSSIBLE.

OFTEN THIS MEANS CONDUCTING A TEST LATE SUNDAY NIGHT/EARLY MONDAY MORNING WHEN MANY HIGH POWERED CLEAR CHANNEL CLASS I AND CLASS II STATIONS SIGN OFF.

GILFER ASSOCIATES, INC

P.O. Box 239 52 Park Avenue Park Ridge, NJ 07656 USA 201-391-7887

25 October 1977

Editor
DX NEWS
National Radio Club
P.O. Box 32125
Louisville, KY 40233

Dear DM:

I seem to be coming along with "second-thoughts"--here's a few that I recently conveyed to Glenn Hauser re his FRG-7 review in your 24th October issue and over Radio Nederland.

There are basically 3 somewhat different versions of the YAESU FRG-7 receiver. Starting last week we were shipping the third version, what we called MkIII. This version is easily recognized by the "UL Listed" decal on the rear panel and the white plastic protective cover over the DC input socket.

The manufacturer has made circuit improvements (mostly) as time has gone by since we brought in the first receiver in July 1976. These improvements have been mostly to eliminate a few of the most obvious birdies over 22 MHz. Although the overall sensitivity in the mediumwave range of most of the MkII versions was a little off, the MkIII receivers are coming through like peas in a pod with remarkably uniform sensitivity from 2 through 29 MHz. We currently measure the "A" band (mediumwave) sensitivity at 1500 kHz to be 2 microvolts for 10 dB S+N. At 750 kHz it's much worse and is being measured at an average of 18 microvolts.

It's possible to make the selectivity of the FRG-7 3 kHz wide at -6 dB and 9 kHz at -60 dB without too much trouble. Several receivers like this have been shipped to NRC members. The sort of selectivity provides the best possible separation without a severe deterioration of audio. However, our usual 4 kHz at -6 dB is best for shortwave listening where the majority of broadcasters are 5 kHz apart.

The FRG-7 is VERY antenna "sensitive" on Band "A" (the mediumwave range). While the receiver input is a nominal 50 ohms above 1.6 MHz, the impedance in Band "A" ranges from 150 to 600 ohms and is best served through an end-fed long wire of about 70-80 feet in length. Users should reserve the coax input for use with a loop and couple the long wire (or flattop section "L") to terminal post SW2 in most situations. Any loss of signal when using the coax input terminal can be compensated for by increasing the value of C4 (doubling it handy). Shorter antenna should go directly to the "BC" input for optimum DX'ing on the mediumwaves.



ps: The MkIII version has the standard 1/4" phone jack in place of the miniature jack on the front panel.

Communications Equipment



John A. Callarman
1122 Maple
Mt. Vernon IL 62864

VOL. 6, No. 5

540 CBFF-PQ 550 +CHNO-ON 560 WGAN-ME	LOC: Chibougama U4 10000/10000 Box 1731 POPp(TLK21-23Su) 60(13-10d)30d(5)	570 KGR-TNM WLE-NC CJEM-NB CBNK-NF CBML-PQ	LOC: Revoked 174 Church St. LOC: Cartwright, Lab., NF LOC: Val-d'Or	580 KCSJ-CO KTBC-TX CJCV-WB CKRS-PQ	CP + is on U4 C:0700-0306(0258Sa,Su) Box 5-590 LOC: Jonquière	590 KXSO-CA WSNY-FL KROD-TX CJOR-BC CFCT-NWT	ex-KVCV ex-WMBR POP MOR p 60(6)30(2) NET:C TLK/MOR LOC: Tuktoyaktuk rCHAK-860 x1100-1500M-F & 2100-0200M-F EE & 10% Inuktitut LOC: Montréal	600 WDAF-MO KVNU-UT CBQA-NF CKML-PQ 620 WVNJ-NJ WRJZ-TN 630 KITB-LA	C&W M:24h SP:M0200-0730 LOC: Churchill Falls, Lab., NF LOC: Mont-Laurier E:24h SP:M0215-0500 NET:APR LOC: Thibougeux	640 KFI-CA CBQN 650 WSM-TN 680 WRKO-MA 690 WVTS KHEY-TX CBWB-MB CBOI-ON CBF-PQ 710 KFIA-CA WQBX-VA CBMF-PQ CBFQ-PQ CIPC-PQ 720 KDW-NV 730 KDAZ-NM CKAC-PQ 740 CBKN-BC CBDZ-NF CBNB-NF	750 *CBGY-NF 790 CFNW-NF 800 KQCV-OK KBUH-UT CJAD-PQ CHRC-PQ 810 WJQJ-WI CJVA-NB 820 WAIT-IL 840 WXEW-PR 860 KOAM-KS CBXJ 880 WRFD-OH 900 CBUO-BC CJEN-PQ CKVD-PQ 910 WLAS-NC 920 +KKLS-SD KITN-WA CBWF-BC CJCJ-NB CBQE-NWT	LOC: Smiths Falls POP/TLK23-8 is Coppermine NWT ZIP:37202 E:24h SP:M0200- T40p (TLK21-02Su) 52(6) Phoenixville PA19460 D3 500/ 400 Main St. REL/TLK CWM 60(5) Add: Box 152 rCBW-990 x1835-1855M-F & 1010-1100Su PC:P0V1T0 ADD: Box 383 rCBO- 800 & CBW-990 x0745-0800, 0845- 0903, 0945-1000, 1800-1830TuWTh & 0100-0300Sa LOC: Montréal Call for Carmichael LOC: Blacksburg-Christianburg LOC: Chibougama LOC: Lac-Edouard LOC: Port-Cartier NET:APR C&W/S:MEIX LOC: Montréal LOC: Jaffray LOC: Churchill Falls, Lab. NF LOC: St. Fintan's	750 *CBGY-NF 790 CFNW-NF 800 KQCV-OK KBUH-UT CJAD-PQ CHRC-PQ 810 WJQJ-WI CJVA-NB 820 WAIT-IL 840 WXEW-PR 860 KOAM-KS CBXJ 880 WRFD-OH 900 CBUO-BC CJEN-PQ CKVD-PQ 910 WLAS-NC 920 +KKLS-SD KITN-WA CBWF-BC CJCJ-NB CBQE-NWT	LOC: Bonavista Bay LOC: Port au Choix REL LIC + (DI 500/) LOC: Montréal LOC: Québec ex WYYS 93 St. Pierre Blvd. E. TLK Yabuca MOR/REL Jasper AB UI 40/40 Ce M:0730(0800Sa,Su)-0303 rCBX-740 NET:C LOC: Proctor LOC: St-Jérôme LOC: Val-d'Or CP + is on (U2 5000/5000) E:24h CP D3 5000/ CP + is on (U2 1000/500) LOC: Mackenzie A:24h NSP Add: Ft. Good Hope Community Bc Assn. rCHAK-860 x1440-1500 & 1900-1930M-F EE & Hareskin 21
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NRC LOG UPDATER

930
KSEI-ID M:24h SP:Tu0210-0755
WVNH-NH T40c
CJCJ-NB Erroneously shown here in past
updater
CJON-NF STD/MORp(TLK9-10½M-F)
60(5)30(2)

940
KMGX-AZ ex KHOS
WEEO-VA CP is on
CBM-PQ LOC: Montréal
960
WPRT-KY LOC: Prestonsburg
CFTJ-ON CP # is on POP Schedule?
970
KNEA-AR Correct State
WCSH-ME NET:M/N Box 97, Scarborough
ME04074
ex KVEG
KNUU-NV ex KVEG
KIXL-TX GOS

980
CKGM-PQ LOC:Montréal
CBV-PQ Québec
990
WZZD-PA T40 E:24h NSP
CBUS-BC LOC: 100 Mile House
CHPI-NWT E:1900-2300M-F; 1800-1900Sa;
1300-1500 & 2100-2300 Su
Inuktitut ADD: c/o Pond Inlet Set-
tlement Council

CBFB-PQ LOC: Lac-Mégantic
CBMB-PQ LOC: Port-Cartier
1000
KMLO-CA FOP(SS/PLK)
WOOP-KY Call For Danville; ZIP:40422
-----NWT Arctic Bay ADD: Arctic Bay Set-
tlement Council E:1100-1230, 1530-
1630 irreg. nights Inuktitut

1010
KCMP-CO CP is on
WXYQ-WI ex WSPT

1050
KBUF-KS ex-KUPK
WSEN-NY correct state
WJXY-SC ex-WJAL; cp is on
CFYN-ON ex CJIC PC:P6A 5N5
ADD: Box 1050 MOR

1060
WKNG-GA CP is on
KRSP-UT LOC: Salt Lake City UT84107
CJRP-PQ LOC: Québec
1070
WSRG-KY CP is on
KERR-MT ADD: Box 1233, Bismarck,
ND58501 NET: Ae C&W
ex-WHPE

WGOS-NC
1080
KWJJ-OR CP + is on U4
1090
WBAF-GA CP + is on (DI 1000/)
CBOF-5-ON ex CBOE

1110
*KGF L Clinton AR7201 DI 250/
WSLV-TN LOC:Ardmore TN-AL
1130
CBGR-PQ LOC: Port-Menier
1140
KCTE-MO LOC: South West City Box 258
C&W 00(5)30(1)
CP + to North Las Vegas
NV89030 U2 10000/2500

*KLUC-NV ex KLPR T40
KATT-OK CP + is on (DI 5000/ CH:2500)
WIXC-TN E:24h SP:Su
WRVA-VA LOC: Trois-Rivieres
CJTR-PQ
1150
*KGM C-CO CP: U2 5000/1000
WRUN-NY Schedule change; extended Hours *
WHAT HOURS? ? ?
WIMA-OH ZIP:45802 667 W. Market St.
WABH-VA CP + is on; now Churchville
CHSJ-NB Box 2000 E2L 3T4

1160
CBQR-NWT PC:X0C 0G0 ADD: Rankin Inlet
Community Radio Society
rCFFB-1210 x:1330-1400, 1830-
1900M-F; 1900-2100Sa; 1500-1630Su
Inuktitut 80%, EE 20%

1170
WJMQ-MA Call for Norfolk
WWLE-NY LOC: Cornwall-on-the-Hudson
1190
CJMR-ON LOC: Mississauga
CBMC-PQ LOC: Sept-Îles

1220
KBNO-CO ex KFSC
WCMQ-FL CP + is on (DI 1000/)
WSME-ME MORa(TLK9-10½M-F; OLDaSa/Su
(F/CAN 9-12Su) 50(5) Delete APR
Box 1459

1230
KAAA-AZ 2534 Margaret Av.
M:0700(0800)-0200(0100) +1
KINO-AZ MOR(Hopi)
KSTC-CO ex KGEK
WINF-CT NET:M
KYVA-NM T40p (Navajo/SS)
KPRQ-UT ex KMOR
"QIQITARJUA NAALAUTAA" Broughton
Island, NWT U1 50/50 E:1100-1300
1800-2300 M-Sa Inuktitut & EE
ADD: Broughton Island Settlement
Council

CBQO Fort Franklin NWT X0E 0G0
U1 40/40 Ce Ft. Franklin Radio
Society M: -0110 rCHAK-860
xl440-1500 & 1905-1920 Hareskin
50%; EE 50%
LOC:Disraëli
CKGW-PQ Delete; moved to FM
CKLD-PQ Delete; moved to 1330
CBMK-PQ LOC: Lebel-sur-Quévillon
CJSA-PQ LOC: Ste-Agathe-des-Monts

1240
WULA-AL LOC: Eufaula
WBCF-AL ex WOWL
KBWA-AZ ZIP:86046 CP is on
WDUN-GA Correct state in last updater
WCOU-ME CWMP(F:CAN 9-14Su)
WOCB-MA NET:N
WSNJ-NJ LOC: Bridgeton
WVOS-NY E:0615(0800)-0005
WATN-NY Box 12
CKMK-BC LOC: Mackenzie
CBDP-NF LOC: Labrador City, Lab., NF
CJNH-ON PC: K0L LC0 Box 730 rCJBQ-800
x0900-1000,1310-1500, 1800-1900
M-F; 0900-1030 & 1230-1400 Sa;
1100-1200 & 1320-1500 Su.
Ex CBEK
CBOF-2-ON PC: P0V 2T0 Box 1210 rCBQ-
800 & CBW-990 x 0845-0900, 1404-
1430, & 1800-1900M-F; 0100-0300
Sa.

* -PQ LOC: Lac-Etchemin
CJMD-PQ LOC: Chibougamau
CBMO-PQ LOC: Lac-Mégantic
CKBS-PQ LOC: St-Hyacinthe
1250
WZZI-TN CP is on ZIP:37354
KNEU-UT ZIP: 84066
1260
WNRK-DE NET: Mac
WEZE-MA POPc 30(5)
KGBX-MO NET: C
WLKK-PA ex WWYN
WJJJ-VA LOC: Christiansburg
CIHI Fredericton NB E3B 1T9 U?
10000/10000 CP is on here, moved
from 1400 A:24h 364 Argyle St.

1270
KTLG-ID ex KTFI
WVOY-MI CP + is on(U2 5000/5000)
WDLA-NY CP + is on (DI 5000/)
WBNV-VA CP dismissed -- delete

CBOF-1-PQ ex CBFLE:0600-0110 winter
0500-0204 summer rCBOF-
1250

1280
WSFD-DE GOS
WFYC-MI Alma-St. Louis MI48801
WGLR-WI CP is on
* High River AB U4 10000/10000
CJJD-ON PC:L8P 1A1 2 King St. W.
CJMS-PQ LOC: Montréal
CKCV-PQ LOC: Québec

1300
WFRX-IL Correct State
WFBR-MD E:24h SP:Su0200-0500
WGRC-NY ex-WKQW
KXXO-OK T40/AOR
KVET-TX 13()x
"Radio J. A. L." Auclair. Lejeune PQ
U1 50/50 E:1100-1245 M-F
F:

1310
KQXE-AZ APR T40 50(6)
WKXX-FL DeLand is LOC
WXLL-GA ADD:1655 Tully Circle,
Atlanta GA30329
WDOC-KY LOC: Prestonsburg
WLOB-ME ET: C E:24h SP:M0000-0600
MORp(TLK18-19½Su-F)

1320
KWOE-OK T40/C&W
CHQM-BC EZL/JAZ
CFJT-ON Delete; on 960 now

1330
* Milton FL32570 DI 5000/
+WEBO-NY CP: DI 5000/
WENA-PR ZIP:00724
CKLD-PQ CP # is on

1340
KBRS-AR POP
WNHC-CT T40a
WKCB-KY CP # is on ex 1540
KSET-TX MORa60(5)30(2)

CBKN-BC LOC:Shalalth-Seton
CJNC Norway House MB U1 50/50
P.O.Box 5, Thompson MB R8N 1M9
CKMA-PQ LOC: Mont-Apica
CFOM-PQ LOC: Québec
CBGN-PQ LOC: Ste-Anne-des-Monts
1350
KCHK-MN ex-KTMF
KCHR-MO NET:M VAR 60(5)30(5)
WHNE-VA ex WKLX 1350, not 1360
CHAL-PQ LOC: St-Pamphile

1360
KRUX-AZ T40
KGB-CA NET:APR
WYER-IL ex WVMC
KKBJ-MN ZIP:56601
CJVL-PQ E:24h LOC:Ste-Marie-de-Beauce
1370
KWRM-CA ex-KREL
+WKMC-PA CP: D3 5000/
KOKE-TX CWM 10()40()
CBAU-NS LOC: Larrys River

1380
+WVSA-AL CP + DI 5000/
WAMS-DE Delete Ac E:24h NSP
KUVR-NE LOC: Holdrege
+WTVR-VA CP + U4 5000/5000
KRKO-WA P:24h SP:M0300-0800
CBGJ-PQ LOC: Rivière-St-Jean

1390
WTNL-GA Box 500
KBLW-UT CP + is on (U2 5000/500
1400
KAAP-CA T40
WIEL-KY Elizabethtown is LOC
WIDE-ME ROLp(TLK18½-19M-F;Gk9-10Sa;
F:CAN10-11;GOS20-23Su)
60(5-10d)45d(5)
Box 500
KNOR-OK PC:R0B 0L0 Box 696 rCBW-990
x0825-0840, 1845-1900Tu-F; 0100-
0400 & 1030-1100Sa & 0103-0700Su
23

RECEIVER COMPARISONS: WHAT DO THEY MEAN?

Certain problems come about when comparing product summaries, actual user reviews and comparisons, and other information on receivers found in DX News. An article on this subject by Russ Edmunds appeared in DX News on March 14, 1977. A condensation of it follows.

Any information we can provide a prospective receiver purchaser, presuming it is neither grossly inaccurate or misleading, we feel, is to his advantage.

A product summary must depend upon readily available information such as advertising material, technical reviews, and, very frequently, specifications provided by the manufacturer. Such specifications, however, may not prove entirely accurate outside of the test environment. For our purposes, what counts is how the receiver performs for broadcast band DXing. For these purposes, it may seem that any veteran CEB DXer, who has experienced a number of receivers, is reasonably competent to evaluate its performance in non-technical terms.

For an accurate, scientific comparison of receivers, some will insist that only receivers of a particular type or subtype should be evaluated together. In our case, whether the receiver be portable, a communications receiver, AM-FM, CEB only, etc., we are interested in how the receiver compares to some generally-known and generally-accepted criterion. Portables are generally compared to the Realistic TRF, which is the most popular and very close to the best of that genre. Communications receivers are compared to the "state of the art", the Hammarlund HQ-180. Sometimes other standards are used. Similarly, multiband portables may be compared to the Grundig line, although this line is less widely known.

If a multiband communications receiver is compared to an HQ-180, it is not because it will fall short, but rather because most DXers know something of an HQ-180, even if all they know is that a large number of DXers use them, and hear good DX on them. It is a standard, and thus, comparisons can be made which are meaningful to the DXer. Such a comparison by a veteran CEB DXer, will be worth more by far to the potential buyer than a product summary, a specification sheet, or an advertisement. Why? Because it suits his anticipated application.

Along the same lines, there are other sorts of standards relating to what a rig is designed to do. Some are designed to cover many bands adequately. Others are designed for one band or band group only. Still others are for listening, not for DXing. While it is useful for us to know what the receiver is designed to do and not do, the value of a comparison to a known standard is not diminished by this, because what the receiver does do is more important than what it is designed to do. Many DXers hear about a rig, and start wondering about it. Hearing what is or is not designed to do is useful, but not as much so as knowing what it will do.

A receiver which is designed to compromise disparate considerations, such as high-fidelity and DX; or large band coverage, portability and DX, must of necessity, be just that - a compromise. The nature of such a compromise is to detract from each in order to serve the other. Generally, although not necessarily always, the result is a sacrifice of each of proportions that neither is served more than adequately. The compromise fulfills a purpose, but that purpose is not necessarily that of a good CEB DX receiver.

In the optimum, we should know what a receiver is designed to do, and what it actually does. Either one is informative and helpful and both would be best. As publishers, we strive to publish the most information in this area which we can. We are however, limited by what is submitted to us. We have asked for information on rigs, but often have had to rely on cursory comments. Inasmuch as these have intrinsic value to the DXer, we run them. That's why if a receiver is known as not a particularly good CEB DX rig, we say so, even if we must rely on comparing it to something "out of class".

We suggest that those of you interested in purchasing rigs consult the NRC Receiver Manual for comparisons/reviews and reprints for same. Another source of information on many older rigs, including tube numbers, coverages, conversions, year of manufacture, etc., is the Ham Trader Equipment Buyers Guide, available from A.L. Brand, P.O. Box 311, Sycamore, Ill. 60178. (Sample copies of the Ham Trader "Yellow Sheets" contain a description of the guide).

The Beverage Antenna Handbook - a book review by Bob Foreworth

THE BEVERAGE ANTENNA HANDBOOK. - Construct and operate your own Beverage antenna. Has plans for three band Beverage: 1.8 thru 7.3 MHz, with swivelable null and direction switching. Contains theory for single wire Beverage; two wire Beverage; null steering; direction switching; antenna patterns; effects of height, wave velocity, distributed losses; and terminations; ground system; construction diagrams, circuit diagrams; impedances; short Beverage. An inexpensive way to beat the broadcast stations on 40 meters. \$5.00 postpaid. Published by W1WCR, W1WCR, Wason Road, Hudson, NH 03051.

When I saw the ad for this book, I immediately had to find out more. I rushed off my order and in a few days the book arrived in the return mail. I haven't had a chance to try out any of the ideas in practice, unfortunately, but there seems to be a lot to keep the experimenter busy, providing there is adequate land available. This of course is the problem with any antenna experimentation. So book can get you access to a 10-hectare field! (I threw that in for you Metric buffs). Nonetheless, assuming you are interested enough in reading further, we'll describe what is in the book and hope some NRC'ers will be able to profit from it and develop some useful results for publication in DX News.

The book is offset printed on 8 1/2 x 11 inch paper and is cloth bound. It contains 39 pages (each sheet is printed on one side) and the author is Victor Misch, F.E., W1WCR who lives in New Hampshire. The practical aim of the book is for development of a Beverage antenna system that can be used on the 1.8, 3.5 and 7 MHz Amateur bands and heavy emphasis is given to the concept of "null steering" which allows the null in the pickup pattern to be electronically shifted in terms of bearing, allowing the rejection of, for example, a broadcast signal from Europe on the 75 or 40 meter band allowing reception of Amateurs on the same frequency from the E or W directions. Those of you who have read accounts of two-wire Beverage antennas used in New England by some DXers who called it "YOKUWA" (which stands for, I believe, "traveling wave electronically steerable phased array") and who operate it on the Medium Frequency BC band will immediately see the similarity in concept. The MF band DXer might use such a system to null, say a Portuguese and hear a weaker Scandinavian co-channel. While the book does not itself deal directly with ECU reception, nevertheless it should be possible to adapt the theory to a larger, lower-frequency system and achieve the desired results. Author Misch does make a reference to a couple of situations involving rejecting interference from his local stations, saying that a harmonic of a local station on 900, appearing at 1800, can be reduced from s-9 into the noise level, and that "a local AM station on 1590 (.42 wav operation) at 4 miles distant can be attenuated at night such that co-channel skywave stations can be easily copied. This is made possible by the unchanging arrival angle from the (local)." The author mentions nulls of 30 to 40 dB steerable over a +/- 45° angle as being obtainable in practice.

The mathematical descriptions of the operation of the antennas become fairly involved and a good knowledge of trig functions is essential to do much with these sections. The contents are as follows: Chapter 1-Introduction. Chapter 2- The Aperiodic Wire Antenna. Chapter 3A- Mathematics for Aperiodic Wire Antennas. Chapter 3B- Steerable Wave Antenna Theory. Chapter 3C- Steerable Wave Antenna Calculations. Chapter 4A- Steerable Wave Antenna Construction and Practice (subheadings are: Impedances, End Terminations, Receiving Termination, a practical null steering control, the W1WCR SWA, construction considerations, SWA operation, the short SWA.) Chapter 4B- SWA Impedance Calculations. We might note, the SWA used by W1WCR is less than 250 feet long, and has 2 parallel conductors 10 feet high and a concurrently running ground wire, two twinlead feedlines, and a termination box with several toroidal transformers on a dual coax output to a control box. The book is well illustrated with quite a few line drawings, tables, graphs and a substantial quantity of math. We should mention that the book is copyright by the author.

We will hope that someday the author might be able to issue an expanded version of the book dealing with use and applications on the BC band. In the meantime, this primary source provides information that has not been readily available to DX hobbyists before today. The cost of the book is \$5 from the author, or order item "W1WCR" from the Ham Radio Bookstore, Greenville, N.H. 03040. -30-

It is almost ten years since the Irish Government first tried to put a "private" radio station called Radio Dublin off the air. In intervening years the government has been playing cat and mouse with the operators of the station - without ever catching up with them. Radio and TV stations are controlled by the government in Ireland - there are no legally operating private stations - and Radio Dublin, which broadcasts pop music and political commentary on Friday and Sunday nights, has been a thorn in the side of the authorities since it first went on the air. The owner of Radio Dublin, who calls himself Doctor Don, says he would like to have legal status and has applied for a license on a number of occasions, but his application has always been turned down. "I am going to operate whether or not they give me a license, and I have more patience at this game than they have," he says. The government had specially equipped trucks out at various times in attempts to pinpoint the location of Radio Dublin, but Doctor Don and his colleagues have managed to evade the authorities. The government has now taken to jamming the frequencies used by Radio Dublin, but the station has simply increased its power to 1,000 watts and the jamming has been ineffective. The private station has an estimated 50,000 devoted listeners in Ireland.

MUSINGS

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

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

MARK CONNELLY - 52 Amsden Street - Arlington, MA - 02174
ERC: 1043 heard in FF at local SSS is definitely Morocco. It came through w/a booming signal, clear mentions of "Republique Democratique du Maroc" (Morocco) 7:02pm 10/14, rr sometimes played. Recent DX: 10/10- Portugal-1034 good w/13Z nulls, 6:23pm. Portugal-1061 fair, 6:28. France-1205 fair 6:32. Albania-1394 fair in FF, 6:35pm. Guinea-1403 fair 6:36. Monaco-1466 like a local w/EE religion @ 6:37. Algeria-529 & 548 w/same AA mx, 6:40pm. Morocco-612 fair 6:42. Spain-638 fair 6:44. Portugal-719 loud 6:46. Portugal-755 good 6:51. Senegal-764 loud 6:52. Spain o/u unID (maybe the new Moroccan?) on 773 @ 6:55pm. Portugal-782 fair 6:57. Spain-809 o/SAH 6:58. Morocco atop growl on 818 @ 6:59pm. On 10/11: Portugal-719 good 6:25pm. Portugal-755 excellent 6:27. Algeria good, alone, w/modern jazz on 890 @ 6:27. Spain o/low growl on 872 @ 6:36pm. Morocco-818 loud 6:43. 827 definitely the Moroccan dominant here //818, 7:03pm, potent signal. On 10/14- Monaco-1466 good 6:54pm. Algeria-548 superloud w/AA NX, @ 7:05. Gambia-648 noted weakly @ 7:08pm - Tunisia mixing w/Portugal-719, rough SAH resulting @ 7:09pm. Upper Volta-746 o/1.8 Hz SAH during above-average CX to Africa, 7:10pm. Senegal-764 like a local, in AA, @ 7:13. Carrier noted on 936 w/nothing on 935, possible frequency change for Agadir, Morocco. CX to N Europe have not kept pace with the openings to N Africa & the Iberian Peninsula; furthermore, DX on the high end of the band has been spotty compared to that on the low end. DX summarised above was from Arlington using the R-390A & SM-2. Loose ends: CIHI-1260 from N.B. has become quite the pest lately in the W Yarmouth, MA area; WEZE used to dominate the channel, now CIHI bings in with hardly a trace of WEZE during the nighttime hours. I suspect some nights JRM to WEZE must be very evident in Boston's outlying suburbs, much as CJRS to WMEX-1510 provides similar reception miseries. WEZE already had as much as it could handle with Paradise on 1265. Opinion time: Western U.S. clear frequencies, which in the E are generally dominated by LA's, should be opened to E U.S. stations. For example: 640, 820, 1160, & 1200. All clears should be opened to daytimers outside the main channel occupant's groundwave reach (say 400 miles land or 1,000 miles seawater).

MICHAEL COUGHLIN - 17 Bellis Circle - Cambridge, MA - 02140
The short article reprinted in the Oct. 10 DX NEWS "Broadcasting not Restricted to 5kHz" deserves to be much longer. My old Blaupunkt Bremen automobile radio has good audio response, and it is a treat to hear how much good audio is broadcast in AM. I called the CE of the highest fidelity AM station in my area, WCAS-740, & he told me the limit on the highest frequency they broadcast was set by the telephone line between studio and XR, which was supposed to be 15k or so. Most AM stations routinely broadcast mx to at least 7k. However, there is a reason why AM receivers have such poor audio response - the 10k whistle from the station on the next channel. During the day my Blaupunkt sounds wonderful, but around one hour before SSS I start to hear this shrill whistle, even on strong local stations. There is a tone switch to eliminate it, but I have a loudspeaker with a tweeter cone, so I can still hear that annoying whistle. Easiest way for a radio designer to eliminate this problem is to design low fidelity detectors and amplifiers in his AM radios. The right way is to include a 10k notch filter in the circuit, as McKay/Dymek does. On an SW broadcast RX we would want to have a 5k filter, while standard & LF broadcast RXes for use in Europe would need a 9k filter. As DXers we have to be aware that high audio frequencies are being broadcast and no amount of filtering will remove this sideband splash when we are trying to hear split channels, or DX right next to local stations. Only careful use of the null of your loop antenna will help. We can be grateful when stations are broadcasting tele-talk shows, since they take up much less space on the dial & let DX stations get through on adjacent channels. (Please double-space, Michael?? -ERC)

MICKY THEROUX - 41 Mill Street - West Warwick, RI - 02893
There has been a lot happening here since the last time. I found KFI on 10/17 @ 6:31am announcing "64 KFI, a little after 3:30 in Western America." CMQ in Havana was nulled out quite easily and caused no interference. The only problem was with WPRO-630 splashing w/its loud rr. It looks like I am going to have to set another goal for myself this season after nabbing [redacted] right at the start. It'll probably be VOA-1178 (for now, anyway, hi). (Rotaa ruckl -ERC) - haven't gotten a verie in weeks, so I guess I'll just mention my new stations. On 10/6 WCNL-1010 was giving WINS fits @ 5:35pm w/WX & SX. At 6:15 I caught WNTY-990 w/s/off, no SSB. On 10/10 WAEW-1590 was an easy catch w/a CPC TEST (thanks, Harry Hayes!) At 1:32, WSRF-1580 w/TT, then ID. With WQNG-550 off on a rare SP CFNB was easy @ 2:29 w/JX. WAPI-1070 o/WTEC w/TT & ID @ 3; Alabama was a needed state making this the best catch of this MM. Later on the same day WKXA-900 & WEDU-850 were heard @ 5:40 & 6:07pm respectively. On 10/16 (with a friend listening in the same room w/a TRF) we both caught WJIP-1310 @ 6pm w/ID & NX. Now my total is 417 w/116 veries. 73s.

YES, FOLKS - HERE WE ARE, KNEE-DEEP IN OUR RUN OF WEEKLY DX NEWSes. LET US HAVE OURSELVES A GIANTIC MUSINGS SECTION EVERY TIME! THAT IS STRICTLY UP TO YOU, GANG! WE THANK ALL WHO HAVE RESPONDED TO OUR PLEA FOR MORE MUSINGS, AND WE CONTINUE TO EXHIBIT OTHERS OF YOU TO JOIN THE HAPPY MUSERS WHOSE EXPERIENCES YOU ARE READING IN THIS ISSUE. PLEASE DOUBLE SPACE! -ERC

SECFREY L. PARLISH - 6211 Malloch Drive - Memphis, TN - 38138

The new season is upon us, and from first indications, it's gonna be a good one! My first DX at the dials! 10/10, brought state #49 in the form of KQRL-650, weak but audible T-40 and a crystal-clear "Honolulu" ID - 4:57am. 5:03, WSM came on w/ID & OC, and guess who faded back in w/US's OC! Yep, ORL again. I got programming for report until 5:40 when I finally tucked out and to bed, but they were still coming in audibly! At a distance of 200 miles from Nashville, I think this must be some kind of a record. Also heard, WYZE-1480-TEST, tentative only because no positive IDs were heard, but a strong TT from the ESE & Korse IDs must have been there. No luck on WAEW-1590-TEST, however. In other DX-ness, several recent veries here prodded totals over the 600 mark, lucky 600 was a good one, too, KFVB-CA, heard here on ET in June, w/1 on nice stationery. I spent most of Summer daily at the dials in the AM, SRS & some SSS DX pushed heard totals way up, though unfortunately I didn't get many reports from them, and even fewer went out due to time limitations. I did break 100 heard in one state, though, Texas, and grand total heard is now over 1,400. I've got even more of a time crunch now that school has started, especially as I'm tackling 21 credits this semester. Between that, other activities, and newly editing the "verifications" column for the GWDXA "Bulletin", I'm afraid I won't have much time for anything outside MM DX this season. But I WILL be up then! One final note before I exceed my linage: Anyone interested in trading bumper stickers, window stickers, mx surveys, or various and sundry other promo items, please get in touch. I have a fairly extensive collection, especially a number of WC stations people might be interested in. Sorry I couldn't make it to LINCOLN, money problems and work sked prohibited it. Oh well, maybe next year. That's all for now, I type too much, hi. On to Alaska!

SKIP DABELSTEIN - 8209 West 78th Street - Overland Park, KS - 66204

Now that the Convention is past history I can settle down to what hopefully will be a good DX season. It was nice to see once again all those fellow NRers, particularly Carl Mann who got me started in this hobby back in 1959. I believe it will be interesting to see how the General Membership voting procedure for selecting Convention sites will work out. Personally, I liked the old format, and it seemed to work OK for at least 20 years or more. The IRCA has had a general membership vote on Convention sites and usually a substantially larger group votes than attends. Some consideration should be given to those who regularly attend. A little DX has come this way since LINCOLN. On 9/23 WBOB-920 Bogalusa, LA was running f/c-DT @ 1:45-1:55. Per CE, this is a r/c. (IRCA said 2:45-2:55 for this r/c, Skip - is this ELT? -[redacted]) On 10/10 I got the TEST from WAEW-1590 fairly well. 10/12 brought the s/on from WTGA-1590 Thomaston, GA @ 6. Latest veries have come from WCAW-680, WEDX-920, & Cayman-1555 (all w/1's) w/a v/c from WJDD-1330. Total veries now are at 1,924. I had the chance to spend some time visiting my folks in Florida during the first week in October. I had a chance to listen to the ECB around Ft. Meyers and Miami and sure don't envy DXers in the Sunshine State unless they enjoy all the Cubans. I did get to visit a few stations, WMYR-1410, WCAI-1350 & WINK-1240 in Ft. Meyers and WGBS-710 in Miami. Well, that's it till next time.

FOREST E. OSBORN - 202 North Jackson - Hooker, OK - 73945

Now that Summer activities are over and DX has picked up a little, I might as well add my 2¢ worth. Summer saw a few more semi-locals added to the log with only WUNI-1410 on SSS, 7/19 @ 9:53pm ELT worth mentioning. On 10/7 @ 3:53am, KQXE-1310 from Mesa, AZ with their new call & MoR. On 10/8 @ 3:30am, local KLFB-1470 was testing w/a very high TT for about ten minutes & VID's. On MM 10/10, I added three needed 50kw stations to the log. At 3:22am, WPTR-1540 w/T-40, Yankees BB score & ID so clear I don't know why it wasn't added long ago. Then at 3:42, WNEW-1130 slipped in for a good ID and station address w/WCAR/CKWX. Still on 10/10 @ 3:52, WAVA-1170 w/c/w, ad for Kendall Oil, and ID @ 4am. On Oct. 11 @ 4am, WDEE-1500 on top of frequency as KSTP was evidently off the air on this Tuesday morning. On Oct. 12 @ 5pm, KSGI-900 with their new call & pop mx. 10/14 @ 3:08am, WMEB-1380 w/ad for rock concert & a local speed shop after KTSM s/off (that's LEGAL there?? -ERC)(hi). At 3:18 am, KMPC-710 with an ad for Frederick's of Hollywood sexy sleeping attire, L.A. temperature of 63° through usual dominants KERE, .HB, & WOR. So much for DX. I'm trying to find some of the following receivers: Hallcrafters S-27, SX-42, or SX-62 or any old military gear such as the Navy model RCK or similar rigs. Any information by letter, Musing, etc. will be greatly appreciated. 73 & back to the old HQ-150.

RON B. SCHILLER - 7657 La Bolsa Drive - Dallas, TX - 75248

Six new veries in this week: letters from KENA-1450, KMAC-630, KERV-1230 (Texas #145), & XEL-1420 (Mexican #20) and PP/c's from long-wanted WVOZ-1400 (P.R. #31, from Florida reception, second GY PR) and WSEB-1340 on Fourth try for Fla. #194. Totals now 2521/2146. XEF letter in EE after three SS reports, hi! Lone DX session 10/3 netted Cayman-1205 //1-1555 almost equal strength 8:34-8:52. Unn WTJS-1390 s/on that AM @ 6:59 midst WTKK/KNCK et al. The 1978 New Zealand frequency allocation sets me a-droolin' for better antennae, etc. I'm especially looking forward to hearing those 4, 5, 6, etc. kHz splits! To Kon Rychalsky, Texas is one of the (few) boom construction areas; in fact, biggest local builder, Fox & Jacobs, is "kon-stantly" advertising for help. I'm off to semi-annual NC furniture market next week, hopefully I will see Winky Windelman, et al. (Ron's "tabling" DX for a week! -ERC)

THESE ARE SOME FINE EFFORTS ON THE SPECIAL TEST LIST ALREADY. PLEASE BEAR IN MIND THESE SPECIAL [redacted] CAUSE THE STATION PERSONNEL A GOOD AMOUNT OF TIME AND LOST SLEEP. LET US, EACH AND EVERY ONE, RESOLVE TO BE SURE TO THANK THE STATION BY AT LEAST SENDING A CARD OF THANKS, EVEN IF WE DON'T HEAR THE PROGRAM. LET THEM KNOW YOU APPRECIATED THEIR KINDNESS!

BOB FORMER - 270 Box 2111 - New York, NY - 10001 (mailed 10/17, rec'd 10/19)
DX has gotten off to a weak start this season. So far I have not had the good European openings lasting several days at a time that we noted in the last two seasons. Balancing this has been increased emphasis on Tropical and SW DX. When I heard that the Realistic Long Range AM portable (popularly called the TRF) might become discontinued, I went down and picked one up. The NYC store I got mine at had two more in stock, and said they did move well, so better move if you are thinking of getting one. My first night home with it, I was frankly astounded at how well it separated adjacent channels, and the clarity of audio on the GY channels, and regional frequencies. I have had clear signals from Titania-825 and Conakry-1403 as well as a few other odd stations, with the set just sitting on the kitchen table with no outside antenna or assistance whatever. It is really a bargain at about \$30. Radio Shack is heavily promoting a set that looks identical but has combined AM & FM bands - this is not the same circuit. The TRF stock number is 12-655. I'm glad the Convention was a success. I would have liked to make it, but could not. I did get to a get-together the end of August in Columbus, Ohio for the only DX meeting this year aside from the GTG the end of July that I had. It was good fun, but less of a turnout than last year. I should mention to anyone getting reprint R-25 that the complete article has not appeared yet in DX NEWS. The circuitry will be drawn up and sent in soon, I hope, when I get the time and inclination to do it. Shame on me, hi. No one seemed to express much interest in it here in NRC so I haven't pursued it that diligently. In contrast I did a one-page blurb on the readout in NASWA's FRED-DX last January and got 18 queries. So I'll just make a schematic and add the board layouts, I guess, when I do finish. In the meantime, a review of the new Beverage Antenna Handbook should appear here soon. In closing I do have one new logging, one of the Soviet stations heard on 173k LW for the first reception ever here on that difficult frequency, with TV bugz there, and TTY on 174 only off weekends. It was just before 0400 Greenwich, now lessee what is that in real time, hi? Midnight? The French on 164 and German on 180 continue to be heard even under poor CX, but it takes an exceptional night to bring in such as Donebach-151, Poland-227, etc. 73.

ERIC FADER - 23-35 Bell Boulevard - Bayside, NY - 11360
Hi group. The first DX session of the season here was Wed. 10/5 to get me familiar with the band again. KKAA-1560 w/s/off, unkn, return @ 5am - this, 2am. Only Cuban left on frequency after. 2:02, 1150, I heard an ID like WAGW or WEGW, whoozis? CJTR-1140 pounding in like a local @ 2:04. Just WAKR on 1590, & KSTP-1500 in well. UnID on 1340, likely unkn WIRY-NY, w/local spots & local NX 2:34, mentions of Keyes Corner & Peru (Peru NY is station) Is CKLD-1330 on the air? I thought I heard some FF w/FBC's femme DJ @ 2:45. WIBC-1070 dominant, o/someone w/CW. TT on 960, lk, 3:06. WFL-370, rare w/superlocal CBS on, sneaking through 3:09. Who has the Larry Black Show (used to be the Scott Ross program) on 600, 3:15? Who has SOLA on 1340 3:25-3:40, unkn ZEM? 10/9- CJLM or other FFC on 1350, @ 6:42pm. WOTT-1410, rare despite apparent pattern, w/WPOP @ 6:45. Must be CKLD-1330 again w/local WPOP, 6:50. CKSM-1220 local-like w/EE rr, 7:05. MM 10/10- WQQW-1590 obligingly off @ 12:06, is this a log change? WAEN-1590 heard on TEST w/announcement repeated, & mx, 12:13-12:16. Local WVOX-1460 w/lw TT 12:26. High TT-1450 12:27-28, 12:31-36. Then piercing high TT there 12:39-40. UnID-1410 w/ femme DJ, rr, 12:42. If the thing on 1330 is CKLD, it's a pest already. Whatever it is, it's being relayed on 1230 & 1340, as heard 1:06-1:15, as well as 1330, all //. There's supposed to be a CKLD relay on 1230 in Disraeli Pk, but what about 1340? Another unID TT, this time 1330, 1:04. CKOY-1310 on top, seemed CW, 1:18. T-40 on 1070, is this WIBC or an ET? Seemed to have dead air between cuts, 2:18am. FF-1220, w/EE rr, 2:20. CKSM asked change? Unkn WWHO-1320 on top w/ET, 2:36. 1290 was the scene of a CJBK/WFBG/WTOC (newie) mess, 3:02-3:28. Also WWHO there w/CBS NX @ 3 along with WTOC. I would've counted WTOC as a tentative based on combination of sked-format-NX net, direction of reception anyway, but AM-FM ID breaking through @ 3:28 clinched it for the log. CKCB-1400, another newie, easily on top w/rr 3:20-3:27, w/"CKCB - CKBB" ID's! They surprised me with strength of signal, also that they were on at all. Change log. WENR-1260-NY IDs as Beacon-Newburgh. Sat. 10/15- CFOR-1570 o/u CKLM, 24-hour promo, w/"Battle of the Hits", rr programming, this 2:18am. That does it for this edition. 73s.

ALLEN W. LUCKEY - 26 Gene Avenue - New Castle, DE - 19720
This is my first Muse so an intro is in order. I'm 31 years old, married, w/one child (two if you count the Seagle). I'm employed as an electronics technician for a small retail chain of auto stereo & hi-fi equipment. I've been DXing off & on (mostly off) since around '62. My logbook has been my main goal (the fattening thereof), having not solicited veries except in rare instances. DXing from this location since 1/77 I've logged approximately 400 stations from 36 states. The equipment is a pre-1950 Philco console radio utilizing built-in loop. I also use a TRF on occasion. I've added a tape recorder to the shack this year in hope of deciphering some of those GYs by repetitive listening. I'll also tape some of my more uncommon DX catches. The latest additions to my log include: 8/29- WOV 1:40am first time heard in years. 10/4- WPRO 6:20pm. 10/3- WROE 12:10am w/good signal after early KTW s/off. 10/9- WFID 6:20pm s/off. 10/10- WWDW 2:10 w/SX & ad for pizza shop. WPDQ 1:34, WNEF 7pm good w/lost & found & NBC NX; CFJR 1:45am, WTTI 12:55am w/ET. WAEN-TEST heard u/WQIQ 10/17- WPEC 2am "14 FEG", WOL 12:10am w/talk program. No sign of WXAP TEST from here. I hope to be a regular contributor to this column if my spare time allows. I'm enrolled in an AAS program in Electronic Engineering at local commercial college. I need six courses to graduate but scheduling of needed courses has been rather sparse the last (con'd)

(Luckey, con'd) few months, thus, more time to DX. My thanks to Dave Schmidt for his welcome and assistance in interpreting the D. NEWSes until receipt of New Member booklet. 73s and good DXing to all. (welcome to the NRC & Musings, Allen! Any friend of Dave's is a friend of ours! -LC)

NONSTANTINE RYCHALSKY - 22 Carroll Court - Bridgeport, CT - 06607
XVII. Latest DX activities were attempting a large total for the contest. Although my total wasn't the greatest, the main reason why I participated was to reacquaint myself with what needs to be verified. In the process, I logged 13 new stations. They are as follows: 10/4- WAEZ-790 PA @ 1:50am in for ID & songs by Alice Cooper & Beatles, then fade; WNR-1600 MA in strong for first time @ 2am playing soul mx. I first thought it was WURL. On 10/5: First timer WMT-620 VT @ 12:45am with bumper sticker contest, VT needed for me; CKGB-580 Ont. @ 1:20am w/rr; CJCH-920 N.S. @ 1:50am w/SX; CKCH-970 Que. @ 2:11am w/FF & EE MoR, announcer in FR. On 10/6 an unID on 1080 @ 12:59am in FF - possible CKSA, however no report sent for this one. 10/7 WKPQ-1320 PA @ 4am w/T-40 mx & "13-Q" card contest; WSLR-1350 OH was snagged 4:15am w/c/w. On the final day 10/10 I hit the most with six new calls: WHDG-990 FL ETing @ 1:18am till 1:25 & in like a local, repeated one song w/announcement; WNOE -1060 LA @ 1:45am, ID as "10-6, N-O-E", KTW off; WDDC-1260 DC fainted in @ 2:12am folo by CIHI -1260 N.B. 2:15. Last for the Sunday morning sitting was CJBK-1290 Ont. @ 2:58am w/rr. That same day during break at work, WNEF-1290 NY came in @ 7:58pm clear & ringing a bell. Although I had to get back to work, I threw in a tape in the receiver (in dash) and recorded what I couldn't stay to listen to. The Sanyo cassette recorder comes in quite handy on the road. Unfortunately, no NRC TESTs have been heard yet, not even WAEN-1590 which I've been told was quite good. Reports sent out to: WURR, WMT, CKGB, CJCH, CKCH, WKPQ, WSLR, WHDG, WNOE, WDDC, CIHI, CJBK, WNEF. Because of WMT my want list is now down to seven. Well, that's it for now. Since I've joined the NRC I have yet to meet a member; therefore I remain the "UnID DX-er."

PETE CLARIUS - 1583 Castleton Avenue - Staten Island, NY - 10302
I sent in a money order for \$16 for a year's dues in the NRC on 9/23. I looked up on the map & I cannot see where the new Norfolk, Mass. station can operate without giving trouble to WLC which incidentally we were listening to just outside of Boston, and according to broadcasting, a new station has been applied for on 1170k at some place called Vernon, Conn. so it will be a mess up there like I have here with WERV in Somerville and WMLW in Lakewood, N.J., both on 1170 and at times, WILE in Cornwall, NY breaks through too. Alice & I just came back yesterday from a few days down through West Virginia, Virginia and Kentucky. We saw WVKY in Louisa, KY which is located in a trailer along one of the highways. Then we went through Pikeville & stayed one night in Ashland. We passed WSWA, WCHA, WCBG & the last night we stayed in Redding, PA and passed WRAW. Right now at 8pm I am listening to my c/w on WJJD who s/off @ 8pm in October. We heard on the radio that WOAY-A⁺-FM-TV were all destroyed by a bad fire at Oak Hill, WV. WJJD just had a request from Connecticut, so they really get out. (Welcome back to NRC & Musings, Pete! Pete brought all of Bernie Duffy's veries here to ERC in Provincetown for safekeeping, where they now repose -ERC)

RANDY TOMER - Box 2674 - McKinleyville, CA - 95521
Howdy! I haven't mused in a while, but if anyone's interested, I'm a former brain surgeon who became a truck driver and moved to a small community in remote McCall to escape the rat race, hi. For domestic DX I use a newfangled FRG-7 w/an SM-2 antenna; the FRG has a 4 kHz filter added and also a three-digit electronic display giving readout to lk. The FRG's good audio helps catch those weak IDs. The display was purchased from Radio West and is highly recommended by this DXer. (3417 Purer Road - Escondido, CA 92025; \$135). It is superior to the Mattis unit because it's isolated from the oscillator by a buffer amp; no dial de-calibration! For foreign DX I use the ol' reliable HQ-180 & Sanserino loop. This RX has easily separated foreign stations only 1k from strong domestics (not locals), a feat that never ceases to blow my mind! I also use a wedge loop; it's a good unit but currently is about 500 miles from here. I also have several other RXes that I use for listening; the latest is an old Heathkit EC-1A I picked up for only \$12. Hooked up to my 2' spiral loop it really pulls 'em in but with its wide bandpass its super hi-fi; don't let the FM freaks fool you; AM can really sound great and the old Heath proves it! Jim Critchett, the DX you report in Musings is a big help over here! We were racing for stations logged, but I think he's about 300 ahead of me by now. CX seem awfully good now, so everybody DX! 73s. (And MUSE! -ERC)

CHARLES GEORGE - 6407 Howard - Dallas, TX - 75227
My latest veries left in my mail are KTRH & KCLW. I have just sent in my renewal check to the membership center. I hope to have a good year DXing this year now that I have some knowledge of what to expect from the MW. I have also sent a check to the publication center. Gene Rust & Ron Schaller both tell me how good they think the HQ-180s are; however, I have heard from others that sets with tubes tend to be noisy and hard to get fixed. I would like to find out more about the HQ-145s, 160s, & 180s, from other DXers. 73s.

R. MICHAEL TUGGLE - 909 Moores Mill Road - Bel Air, MD - 21014
Another verie arrived today, WFLI-1070. Still nothing from CIHI. I followed them up with another report of my 10/10 reception. WWHO is still holding out - I suspect they don't verify. But the verie I really hope comes through is CJCH-920. I'm drooling over that one! Contest went pretty well (for a crystal set, anyway). 101 stations, most clear, but including KOA-850. I hope you all did fine. Best wishes.

PLEASE REMEMBER TO USE A.M. & P.M., E.L.T. IN YOUR MUSINGS, WHICH PLEASE DOUBLE SPACE! -ERC

JIM CRICCHETT - 1635 Walbridge Street - Red Bluff, CA - 96380

The fact that Winter is approaching is evidenced by the appearance of more MST & CST stations on the dial in the presunrise hours. But first in order of IDing. KRDU-1130 signs on @ 7:30, heard Wed. 9/28's announcement @ 11:58pm s/off. Before that, CKCK-620 Regina, IDed @ 8:37 EDT Tues. 9/27. KJR-950 had Ac NX @ 2:25 Fri. 9/20. I IDed the Mexican on 1340 as XEAA @ 3:40am same morning (X-E-Double-A). KSWH-730, Ogden IDed @ 3:23 Sat. 10/1. KWJJ-1080 signed off @ 3:49 AM 10/2. I decided to try for the few f/c's audible here. 10/3 from 3 to 3:15 on 1230 there was no KQIK, and no TT on 1240 for KIDL from 3:15. WAC-1490 had TT, heard from 3:17 to 3:30. I forgot KATX-950 @ 3:30. WGS-1380 had UPI NX @ 4; not off at 4 & 5, SPU. On 1390, KCBC IDed @ 4:27 same AM. Then farther @ 5, CKKI-900 IDed @ 8:21 w/CJVI. I tried a GY SM 10/9 @ KBZY-1490 IDed @ 3:59. IM 10/10 @ 4:03 KRRX-1500 IDed, & @ 4:07, KSTP-1500 IDed. Neither off at times shown in Callarman's Log; both SPU. I finally found an ID by KCJJ-1560 @ 4:32, MM 10/10; had AI NX @ 4, 10/5. ID #520 was KWRC-940 @ 10:13 Mon. 10/10. #521 was KPAM-1410 (Kay-Pam), Portland, @ 10:55 Tues. 10/11. KNYC had Mutual NX @ 11-11:05 same AM. Fri. 10/14 I was surprised by KARY-1310, Prosser, WA ID @ 10:52. #523 was KTOB-1490 @ 4am Sun. 10/16; not off @ 3; SPU, apparently AN now. Another Wash., KHT-1320 @ 10 SM 10/16. I tried for WNBC-660, but had ID from XERFM @ 3:17, SS talk, but EE lyrics in records. A surprise & my first North Dakota station as KKXL-1440 ID @ 4:34; faded, & folo by "Ah EE", XEAL, then foreign language, maybe JOWF. Nothing new since then. The Oct.-Nov. "Modern Maturity" magazine for us older folks has an interesting article by Mike Dorner Jr. "Tonight, Let's Visit Denver", about DXing and listing names and addresses of NRC, IRCA, NRC & WDXA. It also lists most of the Clear Channel 50,000-watters; how many can you hear? All but 13, here, are covered by nearer AN stations. I'll keep trying. Thanks for working so hard for us, Ernie; keep well. (That's what keeps me going, Jim! -ERC)

BILL HARDY - 2301 Pacific Avenue - Aberdeen, WA - 98520

Nancy & I both kept DXing heavily till the NRC Contest ended @ midnight 10/10. I made her mad because SHE got an UNID tuned in on 1410 after KPAM s/off 10/8 @ 9:30pm w/U. of Wyoming vs. Utah college FB. With no Utah stations on 1410 & only one Wyoming, we figure out it must be KWYO. Later we hear spots for some Wyoming firm. But heavy QRM from 50kw CFUN, Vancouver, BC, rr mx interferes with all IDs. Finally, @ 1:34am 10/9 the game ends, I hear "Portals of Prayer" theme, theme again 1:06; then, "KWYO, Sheridan" pokes through loud enough for ME to hear, but Nancy doesn't hear it. Evidently their 1 a.m. s/off was held up by the late-running ballgame. To make Nancy madder, on 10/10 I hear them AGAIN w/CFUN/KNYC as they cut out of AI "World Wrap-Up" @ 10:05pm and do "KWYO" MX, then on 10/11 11:11pm after a record through CFUN/KNYC I hear --at KWYO." All three times she's right there in the room, & I hear the call letters and she doesn't. FINALLY she heard "KWYO" 10/15 13:10pm w/CFUN. Now maybe she'll believe me, hi. Not too bad for 500w at that distance w/50kw rr QRM nearby. What else have we heard? 10/9- 8:49am KBBX-1600 Centerville, UT now has this call, gospel mx, spot giving KBBX address in Salt Lake City. At this hour they were atop KASH. 9:57am Alaskan #4, KFAR-660, was in w/average signal, but really hashed-up audio, but quite IDable, MoR. 10am, one of my most wanted stations, KCLX-1450, poked through the mess w/legal ID, evidently starting a s/on. Then a rural-type announcer went into NX. KCLX was still there @ 10:26am playing c/w, just before my local put their OC on. Eleven more stations & I'll finish Washington State. 10/10, 4:13am, I heard a station w/c/w say "Iowa City" on 1560, poorly through QRM put out by the filaments of KGHO's XR a half mile away, then @ 4:16 promo for "high school football----on KCJJ," so this new station is now on the air. KAAA evidently has an SP at that hour, but was in later on. 4:20, CKTA-1570 in good QRM null'd, relaying "10-90-check" & DJ mentioned "Lethbridge Center." 5:02-5:08am, CFR-1290 in fair w/KCUB null'd, T-40, says "13-CFRM" so now here from 1470. These new loggings bring me up to 674 heard, about 85 ahead of Nancy. I have an unfair advantage in that I had a 13-year head start (23 years, really) on DXing at this location, & I have some 40 stations now extinct because of call & frequency changes and the like that she'll never hear unless they go back to the old calls or frequencies! 73.

DAVE BENNETT - 3145 176 Street - Surrey, B.C. - V3S 4N8 (VE7AZG)

Salutations. It was a great pleasure to meet ERC and all the others at LIN-COIN. I hope I can do it again soon. The Convention got me all fired up & I actually have been doing a little listening since I got back; having two MIs in a row when I didn't have to be up @ 6am. LT has helped, too. 10/2 @ 2:45 I came across a real mystery - station IDing as WKMH, very strong. WKMH is an FMer in Dearborn, MI. It turned out to be CKK playing a "Cruisin'" album featuring airchecks from WKMH- very confusing! 4:00, CHQR-810 w/KCO. 4:10, CFJC-910 advertising station stickers. 4:33, XGAR-1560 w/c/w mx. 5:01, KGPL-1330, Portland, OR w/AP NX. On 1190, an Oriental language station (J?) in strong @ 5:15 but it faded under an UNID rocker. Any ideas? 5:44, KRL-650 with ad for International Market Place. On 10/10- At 5:37 I noted KQR-770 IDing as Bob Radio. 4:00-4:20 w/c/w mx. 4:10 into CBS NX, w/stronger station playing classical guitar @ 2 no ID on the hear - KQRL-750 CBS NX, over a woman announcer 4:02. At 4:08, KITA-920 EZL @ ID @ 4:13, very strong. CJIB-940 @ 4:17 Boston Pizza ad, very strong over a station running dialogue, who's latter? KYTE-970 @ 4:20, ex-KOIN, pronouncing call as "kite" & playing rr. 4:53, KBDP-1280 w/rr. My prize catch of season so far at 4:55, CFRM Winnipeg new on 1290, from 1470. Pretty sure it was they anyway, definitely a Winnipeg station, but static made call copy difficult. At 5:25 I noted strong OC on 650 w/KRL, later turned out to be KXY, heard on TRF as I was turning in to bed. All above logged on nex R399A, as I finally sold the 12-183D after many years of faithful, enjoyable service. 73 for now - I hope there ill be more in the future.

MIKE NEPPE - Box 7 - Houston, TX - 76351

Admiral Cooper, say I come aboard! I finally got my tower in, but no base plate. They had to order of all things, a base plate. I guess I could have put the tower directly into concrete, but I thought why waste a 10' section. I am going up 50' & maybe put a three- and three-eighth bear of w/yo's a 20 meter tri-tenna made by Dentron. If anyone knows about the Dentron antenna, please write. On the subject of antennas, I have up about 900' of my Beverage. It is due S away from WPC. I am not even going to hook it up until I get my goal up. You ought to see me putting it up. I go through poison ivy, climbing trees with poison ivy and top that off with mosquito that absolutely will tear your arm off. Everywhere in the woods, they don't for some reason bother us in the yard. I wasn't out here in two or three minutes and covered in mosquito bumps. I hooked my 900' up to the SF-500-JX. I know I said I wasn't going to, but the curious me couldn't wait. Usually WPC (daytime) kills 30K on either side but I picked up & listened to WSLI-930 all day. How's that for knocking out a 50kw station? I don't mean 30 minutes, I mean all day. Charles Lipser, on your antenna that you put a 390SL resistor on the end of, what is a 390SL resistor? What station is it that broadcasts on 1135 in SS? I found it on a contest run. I didn't know to list it or not. The station stayed in there until sloopover took the ever-faithful hand and crushed it out. Also what station is it that grows with 1140? Somewhere around 1139 on the R-3-2. It nulls on the TRF in the SE/NW area. I talked to Burt Vogel of KRKS-990 Denver. I picked them up 10/2. We talked about five minutes about what they were doing, then we talked about promotional items. He said he would send some, if he can. Burt was very friendly and seems to me he will send something at least. Where is KCJJ-1560? They play rock. Another contest run & here I am w/a 1973 log. Russ, on your Edmundson station material, there is a station on Rittenhouse Square in Philadelphia - look at WIP-610. Many thanks to John Clewer with the old issue of DX NEWS. I literally read that cook cover-to-cover with a bountiful thirst for knowledge and my thirst was undoubtedly quenched with gusto. I was reading the Feb. 7 issue of DX NEWS and found the review of an audio filter. Chuck, would you please if possible send me (or the HQ to print) a copy of the schematic & parts list for the filter using Radio Shack parts? If there are any "CB" QSL swappers out there, I have about 200, each different, to swap right now.

LOUIS BREHLER - 26a Marie Drive - St. Charles, MO - 63301 314-724-7359

Well, here it is time again for another double-spaced missive to the masses from Big Lou. Not too much is happening around here lately DX-wise since last Muse; I have been concentrating on reports. I did finally manage to get WRRR-1330 on tape. 10/10 I caught the WYZE-1480-TEST w/TTs & VIDs, very weak signal. The WAEN TEST also, very weak w/ lots of interference. I have gotten back a couple of veries, KWJK-950 Forrest City AR v/r, CAZ-990 Carthage, IL personal v/l, KTSB-500 sent a v/c, KIL-1020 my report form, and KXIS-1050 Sedalia, MO also used my report form but call letters were KCBW so I guess they have changed calls. I will find out what goes on and report next time. This brings my totals to 57 stations verified and I still have 18 reports out as of 10/13. Some of us here in the St. Louis area are planning to get together at Walt Breville's new country estate, hi, over the Veterans' Day weekend to try out the beverage antenna he is putting up. Watching all the nuts taking pictures at the Convention and the slides of station towers, etc. has inspired me to get involved in photography myself. I am in the process of trying to decide which camera to buy. I like the Canon TX 35mm SLR but have not yet committed myself. Naturally my dear wife thinks I am nuts to get involved in another hobby, what with radio, stamps, & antiques. I am wanting to send some reports to Canadian stations but return postage & a problem, would anyone in Canada be interested in swapping Canadian for US stamps? Well, I guess that will have to do for now so till next time, 73.

CONRAD R. DUROCHER - 437 Essex Street - Saugus, MA - 01906

Happy new DX Season, everyone! Faced with a heavy traveling schedule with our band, I thought sure I'd have to give up AM DXing for the coming season. All this changed when, after reading all the good reports, I parted with \$30 for the Realistic TRF portable. Well, I find it better than the reports. In fact, so much better that I dumped the MC-109. The first two loggings to prove this were KRMG-CX and KFI-CA in the same listening period w/built-in antenna. Which brings up this point - I found no signal improvement when connecting the LW so I'm led to believe that the miniature external antenna jack should be replaced with something more beefy. One nice feature about the built-in antenna is the ability to loop unwanted stations on the same channel. One can scan the dial with the TRF in one position, turn it perpendicular, and, except for strong locals, get a whole new set of loggings. Deep nulls were noted with the RX tilted at a 45° angle. Also note that the signal does not drop when switched from AC to DC. The dial is off by 50khz so I just keep track of indicator stations - WXY, WBC, WBB, etc. Selectivity? It's probably not great but it pulled out Surinam-725 w/full audio & little het. In the travels, I'll be putting it through the paces so I hope to do a full review on its performance in these pages soon. I hope to be at Ernie's in November! (I hope so, Conrad - that's Sat. -ov. 26, everybody, noon-6pm!)

WARREN E. GREINBERG - 145 Cottage Road - West Roxbury, MA - 02132

Recent veries here are WMT (finally), WFLI (heard in Atlantic City in August), & KAAY (heard in St. Pete Beach, FL last December). I had no luck with the TEST this morning (WSFD). I could have used this station because I need the state of Delaware to increase my state totals. I might be going N next weekend to the Niagara Falls & Toronto areas so if we do I will be getting some DXing done. I'm going to try to get to ERC's GTG if I find a way down because my car has just about had it & I don't trust it on a trip to the Cape and back. That's all that's new here - I might as well go to the dial & see what I can get.

-ERC

DAVE SCHMIDT - 47 Chelwynne Road - Castle Hills - New Castle, DE - 19720
 There is another report for the Muse Master to Muster, ERC! A little DX has been done, with the following heard & reported: 10/6- WRRF-1490 12:06-12:10am s/off following NEC NX & "Day by Day with Jesus", word for word copy on the s/off announcement sent in. 10/10 - WAEN-1590-TEST 12:12-12:32am w/uptempo MOR & long IDs between selections, rough w/WAIA just about at the same direction. WGS-710 1:45-1:54am w/an eatin' up MOR ET, so finally taken for a report. 10/13- WZZD-990, ex-WJBG, 12:56-1:11pm w/r. I first noticed them on the new calls 10/10, they were still giving the legal ID for WJBG up till 10/5, being buried between two commercials at the top of the hour. They're going by the slogan "Wizard 100". 10/17- WAVZ-1300 ET w/r 1:46-2:02am, WFER was off this MK. For those who heard the WFD-1280-TEST, 'twas I who did the IDs for them, the tone & IDs were on a continuous running cart. All the FM jock did was sign on the AM & punch up the cart. For those interested, I have added another station which I am doing the engineering work for, WCHE-1520. I will also be running the f/c for the station, which is done on the last Tuesday of the month starting at 12:30am local time. It will be done with tone & reports will be most deeply appreciated. WCHE is only a few blocks from the West Chester State College station, WOU-640, so it's pretty handy. My only verie back is a short letter & CM from WRRF-1490 for PA verie #132, and #906 overall. Pennsylvania is still running a nice 98.5, with WAEN & WZZD being the only two out. Keep up this good work, Louisville! DX NEWS arrives right on sked on Monday. Far better mail service from that area than NJ. More as the DX hits the wire. 73s.

BEN DANGERFIELD - 202 Governor's Drive - Wallingford, PA - 19086
 ERC's mystery on 1043 (?) could be the new St. Pierre station testing. I read in IDXD several months ago that they were going to higher power and possibly a lower frequency. The FF songs and announcements are similar to 1375 kc/s., so was the 9:30 s/off time. Programming is definitely not Berber; if you want to hear any of that, listen to 1196 kc/s. The other possibility is that Morocco-701 and 1043 have switched, with the FF & SS now on 1043, because on 701 a few nights ago I did hear what sounded like Berber music. And now, back to my Orient trip of last summer, picking up at Singapore, our stop after Bangkok. There are five locals here, in a variety of languages, the EE station on 630 kc/s. What a thrill to hear the announcer say, "This is Radio Singapore!" Also considered local (or near) are three stations in Johore Baru, Malaysia, on 570, 940, & 1220. We took an afternoon trip to Johore Baru, the first time I have ever been in a country where Ramadan was in the process of being celebrated. Also heard at Singapore are a number of Indonesians, which I could not identify, others from Malaysia, including Kuching, Sarawak, and a few from the Philippines. The final country of our trip was the Philippines; first to Manila, then to the southern islands of Cebu, Negros, and Mindanao. Metro Manila is loaded with stations, as are all the islands, so there is not much to be heard from outside the country. However, most Philippine stations seem to s/off around 11pm, or at least by midnight. These signoffs are really something to hear. You get the call letters, frequency, studio and transmitter location, network, names of the entire staff and owners, and sometimes the license number. And the National anthem. Of course, calls are used very frequently, so no problem to identify. In Manila and Cebu, many of the stations use English, although some alternate between Tagalog, Visayan, and English. In Mindanao, the local languages are usually used. I drove by a studio and tower with sign reading "DXOC-1490 - Ozamiz City". How would that suit you for a DX catch? That was on Mindanao. Actually that station uses 1510. The programming throughout the islands is American style with emphasis on disco type music and a salsa beat. They also love Elvis. Girl singers predominate. In tuning the dials, many hets are encountered, as a number of the smaller Philippine stations use split frequencies. I will be glad to answer any questions about reception anywhere in the Orient where I visited. It was sure exotic! 73s. (Thank you for sharing all this with the NRC Musers, Ben! -RC)

HARRY J. HAYES - Star Route - Box 226c - Gouldsboro, PA - 18424
 Domestic DXing at sunset has been great for me in October. The West really seems to be opening up for me well. The WAEN TEST came on the air at 12:13am, eight minutes behind sked, and consisted of five taped IDs in succession following each rr tune. It was in well here, I hope it made it into other areas. Now for DX. 10/3- CJCB-1270 N.S. in @ 4:20 am w/c/w. 4:40, WNEH-1340 MA w/sports report. 4:59, WKWK-1400 WV, in weak. 10/10- 1:45am, WJBE-1060 LA filling the channel in KYN's absence. Long may KYN's silent period wavel: 2:52, WJON-1390 Chicago in unusually strong. 10/11- 6:56pm, WWHY-1470 WV w/IDs. 8:19, CIHI-1260 N.S. heard for first time on a tip from Mike Tuggle. CIHI was really blasting in here all evening. I wonder what WJBE thinks of this? 10/13- 6:29pm, WHLD-1270 NY s/off. 6:30, WQBC-1270 MD in after WHLD s/off. 6:44, WJPM-1270 NC strong signal, all alone on channel, w/s/off. 7pm, WKIC-1390 KY fair w/s/off. 7:15, WQFA-1330 IL s/off weakly w/nullled WDR. This is the best sunset catch this season. 10/15- WQEE-1590 VA s/off weak. 6:29. 6:50pm, WQED-1420 PA heard here w/monstrous signal past hours for day patterns. 7pm, WJNY-1380 KY tentative w/s/off. 10/18- 6:41pm, WJON-1290 Logan WV strong w/instrumental mx, no sign of usual WFBG. 6:58, WHLN-1410 KY ID heard eakly through WPOP, not enough info to count. 7:01, WEAW-1330 IL nice strong ID at this time, then gone. "A Service to Metropolitan Chicago." I am partial to DXing regional channels at SSS. I think they have much potential. Winter WX has dumped as much as 15" of snow in surrounding areas here on 10/17 (we lucked out & got only 4 or 5") which weighted down our "Flaming Foliage" trees & as a result made a mess of the electric wires. This resulted in a power failure here of 18 1/2 hours beating last year's record of no power for 18 hours. I suspect we will have many more of these things until May at least. I hope everyone is having a good season. 73.

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

CHAPTER III - CARY SIMPSON CONCLUDES HIS NOSTALGIC LOOK AT SYNCHRONIZED STATIONS.
 When two Class IV stations were authorized to Washington, D.C. in the early 40's, the FCC authorized them to install synchronous boosters to help cover the District of Columbia better. WINX, the station on 1340 kc/s. (now WFAN, formerly WOCK) was located at 8th and I Streets, N.W., and they operated a booster on the campus of American University some distance out into the Northwest section of the District. That booster was simply an RF amplifier, receiving the main station on a sensitive loop antenna in the "cone of silence" of the retransmitting set-up and being amplified and rebroadcast by a vertical longwire, on a smokestack. WDCD first began operations on the Class IV channel that is now 1450 kc/s. In the late 40's WDCD and WOL exchanged frequencies. The original WDCD tower (Now WOL's) is on a rooftop a few blocks N of the Capitol Building downtown. They operated two boosters, one in NW Washington, and the other in nearby Virginia. They were fed in an unusual way. The station leased wires from Western Union, several of them in a group, and actually "forced" the 1450 kc/s. RF signal through them to the other end, several miles away, where it was reprocessed and amplified by the booster transmitter at each location. In the late 40's, the FCC canceled these authorizations, to WINX & WDCD.

For years, Westinghouse operated WEZ in Boston and WEZA in Springfield, synchronized with each other. WEZ had 50,000 watts and WEZA was 1,000 watts. WEZ had originally begun operations in Springfield, Mass. in 1921 and it had been moved to Boston shortly thereafter and WEZA was put on in Springfield, synchronized with WEZ. Westinghouse began expanding their broadcast holdings in the 50's, and WEZA became a bar to acquiring a seventh AM station, since the FCC limits a single licensee to seven AM stations, so in the early 60's, WEZA was taken off the air.

At one time, WSAI, Cincinnati, operated a booster in the downtown area because their main transmitter didn't adequately cover that area. We don't know whether it is still in operation, but doubt it. In these days when boosters and satellite stations, as well as translators are common on TV & FM bands, it is interesting to note that the AM band used to have their share, too.

WE'RE GETTING MIGHTY LOW ON MOTHBALL MEMORIES HERE AGAIN, YE FAITHFUL! WON'T SOME MORE OF YOU WHO HAVE SOMETHING TO REMEMBER AND SOMETHING TO RECALL FOR US PLEASE DOUBLE-SPACE US SOME CONTRIBUTIONS FOR THIS COLUMN? WHAT GOOD IS A MEMORY IF IT CAN'T BE SHARED WITH SOMEONE?

NEXT WEEK: WILFRED RITAYIK RECALLS THE STORY OF THE AUSTRALIAN CRICKET MATCH HEARD IN NEW YORK CITY ON 910 kc/s. in 1934, AND ALSO SOME OTHER DX OF THE 30'S!

STAN MORSS - Route 3 - Bradford, MA - 01830
 Bad news - if WGR's engineering has been OKed, the other will be a minor problem and will have 50kw. AM-7 on 1060 wheel. No sign of WQFD - a possible weak tone was heard at about 3:15 but too much FF & SS.

ERNIE COOPER - The Cape Tip DXer - 5 Anthony Street - Provincetown, MA - 02657/617-487-9337
 Incidentally, my sleeping time is generally 9pm to 1am, then 3-8am, so please don't call during those hours. This week I acknowledge a fine phone call from Ed Kowalski of Philadelphia. Ever wonder who has the cl mx on 860 after 1am? 'Tis XEUN, the University of Mexico station, IDed here 10/18 @ 2:45am. 10/20- Unn WYSE-1560, Inverness, FL testing w/TT & OC, w/ID coming @ 1:31. TTers also doing their thingle on 1010 & 1430. 10/22- Strong TTer holding down 1450 today @ 12:47:1:02+, and an hour later, one noted doing the same on 1220, very low, I doubt 'twas WRIB 'cuz Craig Healy, their CE & an NRC member, always IDs a-plenty. It had to be either WDCQ or WEME, methinks. SM 10/23- I noted an SS really pushing semi WTIC-1080 around a lot, so I held on, thinking it was one of the Venezuelans, only to find, to my surprise and delight, 'twas WVRD in Port-au-Prince, with an AN program they called "Musica de la Republica Dominicana" which shares an island with Haiti, and a report off to them. This is a hard country to verify other than 4V2C-4VEF. WPTR-1540 did NOT go off @ 2 today, and were still booming and splattering away @ 2:34. WNEH-1350 seemed off today; only WWHW and a weakie there. I just can't seem to hold R. MIL-1180, Santo Domingo, long enough for a report, same was true again today - one more Sunday to try before the end of EDT which gives them 55 minutes clear of WHAM who s/off @ 1:05 ELT. Semi WNTN-1550 testing again this day, finishing it @ 2:38. MM 10/24- TTer noted on 1490 @ 1:06, on top. The TA's on the low end were in good, like for example, Spain-584 in spite of local WBEI-590, who is no longer bothered by that Cuban. UNID C&W station was heard behind WBEI, is this WPLO? And UNID rocker w/WRKO-680, thought to be unu CFTer. I got more "dope" on YNAV-850 who had a most unusual s/off @ 1:49 - No announcement of any kind - about three selections, then the anthem and gone! Unn CKCY-920 was solid & strong @ 2:03am. On 790 today, 'twas a fight between two weak signals, WFUN & CHIC, neither needed. Unn WNAV-1430 noted ETing @ 2:51 o/u CKFH, UNID TTer on 1190 o/u CHMN @ 2:39, UNID SS w/WNRW at that time. On 1270, it was CJCB w/C&W, WNTW w/C&W, the latter a tough nut to crack for a verie; needed here, but not enough this time. At 3:51, there was a loud TTer bothering WTIC-1080; this was probably WEAJ who usually tears up Hartford, but no IDs heard. Goodbye Daylight Time, we'll see you next Spring! N C U N 7.

WE CERTAINLY WANT TO THANK THOSE OF YOU WHO MUSE REGULARLY FOR KEEPING THIS SECTION UP TO SNUFF, BUT IT COULD BE WAY ABOVE "SNUFF" IF SOME MORE OF YOU WOULD JOIN IN. WE ESPECIALLY INVITE THE NEW MEMBERS TO SE'D IN THEIR DX DOINGS, AND REMIND ALL TO DOUBLE SPACE, TO USE LT, AM & PM, AND STICK TO DX SUBJECTS. YOUR DX DAY BY DAY IS INTERESTING IN EVERY WAY TO OTHER N.R.C. MEMBERS - DON'T KEEP IT A SECRET WHAT YOU'RE HEARING! LET US ALL KNOW WHAT LIVES AT YOUR SHACK. THIS HOBBY IS INFINITELY MORE FUN WHEN SHARED WITH OTHERS! -ERC
 REMEMBER THE PLANNED GTG AT 5 ANTHONY ST., PROVINCETOWN, on SAT. NOV. 26, NOCN TO 6PM.