



"Although I remain inactive on the BCB, I still retain my interest in the greatest radio club of them all!"
(R. Russell, MA)

ON THE INSIDE.....

- Foreign DX Achievements - Norm Maguire
- NRC Domestic Log Update (Vol. 5, #18) - Ron Musco
- 1976 NRC Convention Info - The LADS
- Traveller's Information Service: A New Medium in Medium Wave Broadcasting - Mike Hardester
- NRC Postal Survey - HQ

NEW MEMBERS

- * Kevin Schiedermaier, 426 W. Belmont Ave., Apt. 806, Chicago, IL 60657
- * Gary Shakeridge, 135 Mitchell Ave., Long Beach, N.Y. 11561
- * Calvin T. Augustine, 3422 Brookside, Rapid City, SD 57701
- * Jim Lovell, 8021 Kensington Blvd., Apt. 15, Davison, MI 48423

RENEWALS

D. Bartek, R. Russell, L. Addison, F. Bujak, W. Medeley, D. Burns (VA), R. Foxworth, H. Kissack, N. Dickerson, W. Blazek, M. Roslowski, M. Connelly, E. Shank, J. Allison, D. Birch, W. Hall, E. McIntosh.

FLASH TIPS & SUCHLIKE

This time, we have no info at all on results of Domestic CPC tests. The sked TESTS from R. Millon-625 for 3/27-8-9 did not appear, per RFS, due to modulator problems. The information gained by the initial Test was sufficient to warrant no additional testing on 625, and so the station is being returned for its new, and still secret frequency. It should be on before you receive your next bulletin.

R. G. Dunlop (formerly of R. Anguilla) writes in a letter to Rob Keeney that R. Cayman will be operating on medium wave from Grand Cayman Island in the Carribean on 1555 (10 kw) and 1205 (1kw), broadcasting about 90 hours a week with a s/off of approximately 2230 EST. Target date is uncertain due to waiting for arrival of transmitter parts. He gives hope for a DX TEST next Fall. Rob will be pursuing the matter.

Bengt Ericson writes that a new superpower operation has just started on 728 kHz. in the Arab Gulf country of Abu Dhabi. Power is 750 kw. according to initial sources. It is listed in WRTH-76. Has been hrd in Vaxjo, Sweden at LSS w/ much European QRM.

KAVA-1450, Burney CA, which suffered a fire last month (see clip last issue) is expected back on the air around May 1..... (Per another clip from Jim Critchett)

NOTES &c FROM NJPC

And, speaking of Flash Tips, Dan Myers (dAN MYERS ?) informs us that he has procured the FAS data from former Flash Co-Ordinator Carl Junker, and that he is ready to go. Briefly, FAS (Flash Alert Service) allows members who send dAN self-addressed, stamped postcards to find out about late DX TESTS. CPCers receiving notice of TESTS too late for inclusion in DXN should call the info to dAN at (419)-726-4348 and he will fill in the data on the cards and rush them out to all participating members. Participants are advised to number their cards consecutively, so that they will know when their supply is dwindling. (cont'd page 2.....)

C. P. C. TEST SCHEDULE

TIMES LISTED ARE **MT**

MONDAY	APR.	12	-	0600-0630	*	KCVR-1570	-	Lodi, CA	5000	D	IRCA
TUESDAY		13	-	0015-0030	*	WCJW-1140	-	Warsaw, NY	1000	D	NRC
			-	0100-0200	*	WLVL-1340	-	Lockport, NY	1k/250	U	NRC
			-	0200-0400	*	WEAQ-790	-	Eau Claire, WI	5000	U	NRC
MONDAY		19	-	0200-0230	*	WCPK-1600	-	Chesapeake, VA	1000	D	NRC
			-	0300-0330	*	KSLM-1390	-	Salem, OR	5000	U	IRCA
WEDNESDAY		28	-	0001-0015	*	WBZA-1410	-	Glens Falls, NY	1000	D	NRC
EVERY 3rd FRIDAY			-	0000-0015	*	WRDI-1580	-	Hammonton, NJ	1000	D	NRC

DETAILS:

- KCVR - TT, mx, IDs. V/s Ed Gehres, CE; Box 600, 95240. Arr.: Mike Sanburn.
- WCJW - TT & IDs. Use prepared cards. V/s Chief Engineer, RD #2 Merchants Rd., 14569. Arr.: Mike O'Shea.
- WLVL - TT, voice & code IDs. Prepared cards only. V/s Leon Urban, CE; 320 Michigan St., 14094. Arr.: O'Shea.
- WEAQ - Will be EBS test for state using new EBS tones of 853 & 960 Hz. From 0200-0300 will be ND - from 0300-0400 will use DA. No V/s given. Address: Box 1, 54701. Arr.: Ron Musco.
- WCPK - Big Band mx, IDs. Prepaid calls at (804) 543-3535. V/s F. Paine, Pres.; 500 E. Liberty St., 23324. Arr.: O'Shea.
- KSLM - EL mx, TT & code IDs. Will use ND antenna. Prepaid calls at (503) 364-8433. V/s Tom Wirth, CE; Box 631, 97308. Arr.: Jeff Brasier.
- WBZA - TT & IDs. Tests every 4th Wed. V/s Carlton R. Reis, CE; Box 928, 12801. Arr.: Ernie Cooper.
- WRDI - Is r/c w/TT & frequent IDs. V/s James N. Rodio, Mgr.; 182 N. White Horse Pike, 08037. Arr.: Jim Hopkins.

dAN's address is 2650 104th St., Toledo, OH 43611, for those who want to **send** some cards.

Interested in knowing what's going to happen (or rather what the experts THINK is going to happen) during the transition into the next sunspot cycle? If so, we refer you to an article entitled "Solar Activity Update: The Transition Years" by Dr. Theodore J. Cohen (W4UMF) and George Jacobs (W3ASK) in the January 1976 issue of **Q**. It's very interesting, although the current spate of high geomagnetic activity seems unaccounted-for, hi. (The Apr reached 90 on 26 March). If you can't get a back issue or a microfilm of the article, we have it here and might be able to sneak the article in with some reprints for xeroxing, hi.

Another interesting article appeared in NASWA-FRENDX for February in the SW Center, **send** concerns itself with line filtering. Both items sent to HQ by Bob Foxworth.

international dx digest

editor: Alan Merriman
P.O. Box 8
Fairfax, VA. 22030

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

One feature item of interest

UNITED ARAB EMIRATES New station on 728 khz (presumably the 750 kw Abu-Dhabi stn mentioned in WRTH, ED) noted in Sweden in AA at 1800. (Ericson)

Now, whats been heard. As has happened a couple of times before this is mainly the Mark Connelly Report - so if you see any items with no credits they are from Mark..

- 529 -ALGERIA Ain Beida good w/female ancr in AA, then fast AA mx w/a long inst lead-in, then female vocal, 0103, 3/25. **Oran-548 present also at comparable strength**, but audio difficult to extract due to CFNB. (Connelly)
- 584 -SPAIN RNE Madrid at good strength, some WEEI slop; man in SS was followed by slow operatic male SS vocal, 0424, 3/25. (Connelly)
- 638 -SPAIN La Coruna/Almeria fair w/soft mx, some WPRO buckshot, 0520, 3/25. (Con)
- 647 -ENGLAND Daventry extremely potent, usually dominant o/WSM in 8 khz bandwidth, on 3/25. Time pips like CHU-7335 at 0232, woman in Slavic language at 0250, peaking up to S9 plus 40 (15 db o/WSM) w/Morse Code "V" IS (...-) at 0336, still loud w/BBC nx and commentary in EE at 0418. (Connelly)
- 650 -UNID N-S null. Poor audio w/much rock mx. WSM off. 0830-0900 on 3/22. Possible KORL? (Reams)
- 755 -UNID Rumania possible, or Portugal if they are still on. **Man was heard speaking in a Romance language, 0401, 3/25.** There have been no recent reports of Portugal-755 in IDXD or DXWW and I have noted nothing here at local sunset when 665/719/782 are bombing in. (Connelly) This still listed in WRTH as carrying the 2nd Program from 0700-2200. **This one formerly carried the FS Voice of the West program after 2200 - this pgm no longer listed in WRTH. (ED)**
- 764 -SENEGAL Dakar at ripping level, killing usually weaker WABC on car radio from Sudbury to Belmont, Mass., 2230-2300, 3/25. WABC also badly junked by Spain-773 het. **Dakar had a man in AA (preacher?) who would say a sentence which was then repeated by a group of people.** Chanting was sometimes interspersed. The sig was really outrageous, like a local, and w/a good loop should have been hrd in metro-NYC. High band cx good at the same time, 1394 and 1466 particularly loud. (Connelly)
- 782 -PORTUGAL Maramar CSB9 at fair level w/soft female vocal, 0540, 3/19. (Con)
- 810 -PUERTO RICO WKVM s/on at 0750 w/SSB. Good sig 3/22. (Reams)
- 818 -ANDORRA/MOROCCO Andorra vy strong o/Morocco w/Dixieland jazz, then FF talk by man, 0428, 3/23. **Low growl from Morocco; Morocco rose atop w/chanting at 0432.** Andorra generally more dominant. (Connelly)
- MOROCCO Rabat fair/good w/male AA chanting, periodic bursts of applause, 0140, 3/25. (Connelly)
- 825 -PANAMA Macaracas R. Peninsula atop Titania w/SS talk mentioning Peninsula, followed by carnival type mx, 0439, 3/23. (Connelly)
- 834 -BELIZE R. Belize strong in EE w/rock mx 0430 3/26. Putting strong het on 830-840. (Reams)
- 845 -ITALY Rome fair in WHDH splash w/jazz, 0358, 3/25. (Connelly)
- 881 -WALES (Tentative) Het, fragments of talk (sounded like EE) poor/fair w/WCBS nulled, 0435, 3/23. (Connelly)
- 870 -PUERTO RICO WHOA EE rock, EE male ancr. YL SIDs EE nx on hour. AST TCs. Low (100-200 Hz) het disappeared abruptly at 0234. Noted 0150-0245. (Healy)
- 960 -VENEZUELA La Voz de San Sebastian, San Cristobal noted running AN on 4/2, 0700-0730. Typical LA mx. (Cooper)
- 1007 -HOLLAND Lopik I fair, topping WINS slop w/potent carrier, weak audio (woman in DD or GG), 0447, 3/25. (Connelly)
- 1016 -WEST GERMANY Mainz fair w/GG talk then Muzak, Istanbul present only as SAH, 0413, 3/23. Clearly dominant w/woman in GG, 0200, 3/25. Good, alone on channel w/soft jazz, slight LA het on low side, 0443, 3/25. (Connelly)
- 1050 -MEXICO KEG loud w/preaching 0513 ID w/adr as Box 28, St. Louis 66, Mo. (Reams)
- 1080 -VENEZUELA Maracay YVNR o/u WTIC w/R. Universidad ID by man in SS, then SS mx, 0417, 3/23. 2nd LA also present. (Connelly)
- 1090 -MEXICO XEPRS in clear 0800 on 3/22 w/EE and SS IDs. Mention of Los Angeles in EE ID. Pgm all EE w/rock mx. (Reams)

04

- 1124 -BULGARIA (DX News #20, 3/15) Your unid on 1124 khz at 0328 is almost certainly Stara Zagora in Bulgaria having a new strong tx on this freq. **Pattern is E-W.** The Yugoslav is only 20 kw. (Ericson) Very possible but - the Yugoslav has definitely been IDed here by several in the past at 0330 s/on, //1133. Is it possible that one of the high powered Yugoslavian stns operated on this freq for a while, but has now moved back to 1133? (ED)
- 1165 -ANTIGUA Caribbean Radio Lighthouse w/EE religious pgms. **Good sig s/off at 2202 3/19.** Mention of 10 kw. Is this a new freq? (Reams) No, they have always been here. (ED)
- 1169 -UNID TA Strong het on WWVA/Colombia; no audio extractable, 0407, 3/23. (Con)
- 1175 -COSTA RICA TIQ Puerto Limon in accented EE, MoR uptempo mx, s/off 0601 w/march presumed to be NA. Strong as WWVA/WHAM on 4/2. (Cooper)
- 1180 -BRAZIL Rio de Janeiro, R. Globo fair to good during auroral cx. **Globo SID,** musical ad, man in PP, then PP male vocal w/rhumba-type beat, 0647, 3/28. (Con)
- 1190 -UNID XE Tuned across 1190 at 0545 3/24 to hear "La Hora Nacional" mentioned then about a minute's worth of talk and apparently off; maybe just buried by CHTN. (Hutton) XEWK likely. (ED)
- 1196 -WEST GERMANY Munich VOA fair to good w/man and woman in a Slavic sounding language, 0405, 3/23. **Hetted by unid on 1196.6. (Connelly)**
- 1214 -ALBANIA Durres well o/BBC w/trumpet IS, 0458, 3/23. (Connelly)
- 1280 -HAITI R. Metropole, Port-au-Prince in SS on 3/29, 0750-0810. All anmts and mx in SS, ID as "Radio Metropole". GJMS off, QRM de CXCW/WGSL. (Cooper)
- 1331 -UNID Possibility of Italy on a few minutes earlier than listed 0500. Opera hrd at good RF level, but audio weak, 0455, 3/23. (Connelly)
- 1358 -EAST GERMANY Berlin at strapping level w/electronic mx having both cl and jazz influences, then woman in GG, 0448, 3/23. (Connelly)
- 1425 -GREENLAND AFRTS Thule obviously the stn occasionally breaking thru here w/country mx at 0459-0558 3/11. **There did not appear to be any ads-just a short EE anmt between records.** "Grand Old Opry" has previously been hrd here from this stn, but I couldn't hear enough this time to confirm if this was it again. No ID hrd this time but previously IDed in 73 and 74. **W/CFFB-1210 and CFXK-1340 both peaking at 20/59 and most usual midwest clears vy weak or absent this would appear to be an auroral "doughnut hole" reception.** (Sorensen)
- 1440 -UNID Hrd on 3/22 at 0550 w/some kind of LA mx and an ID of R. Aquil; by their jingle alone (man, w/echoes crying out "Aaaaah keees"; sounded as if he was falling down a well) I would guess that this is a Mexican. **Also referred to "El Canal Tropical".** (Barnes)
- 1457 -ALBANIA Durres noted on car radio at Sudbury River/Route 27 w/a talk pgm badly jamming CERE/WOKO, 0430, 3/19. **Had extremely strong OC here w/2nd stn u/w/talk possibly England, 0445, 3/23. (Connelly)**
- 1466 -MONACO Monte Carlo strong w/apparent ET; musical-box IS repeated for a long period and the carrier kept dropping out as if an overload relay or breaker was acting up, 0442, 3/23. **Potent w/GG rel pgm (hymns, GG talk), 20/59, 0459, 3/25.** W/unusually good early evening sig, pushing aside the domestics on car radio at Belmont Hill, 2300, 3/25. (Connelly)
- 1475 -AUSTRIA Wein best TA on the band 3/25 at 0438 except for 1586. 3 note chime repeated twice, then YL. **Mx much like 1586-lots of bouncy accordian songs, etc.** Vy clear after being weak the rest of the season. (Hutton) W/man in GG, strong carrier, weak audio, 0440, 3/23. (Connelly)
- 1554 -FRANCE Nice fair w/man in FF, 0532, 3/19. **Strong w/female vocal, show-tune/ light opera style, FF teletalk followed, 0435, 3/23. (Connelly)**
- 1562 -SWITZERLAND Sarnen fair w/man in GG, 0531, 3/19. (Connelly)
- 1586 -WEST GERMANY Langenberg excellent, local-like pocket transistor set receivable sig; had GG rock, then KennyBall/Village Stompers type pop jazz, then woman in GG, 0526-0530, 3/19. Loud again w/rock, GG talk, then big-band jazz, 0435 on 3/23. (Connelly) * What a beverage can do-WDR 60 db and perfectly clear w/no filter on a mediocre TA night 3/22 about 0500. (Hutton)
- 1590 XEVOZ Mexico, DF, R. Voz on AN on top and clear 4/1 0715-0745. Lots of echo on anmts, ~~un~~ sell ancr, EZ listening LA mx. (Cooper)
- 1594 -UNID OC w/fast SAH here during good high-band TA opening, 0500, 3/23. (Con)
- 1602 -WEST GERMANY Munich, Bayerischer Rundfunk equalling awesome sig of 1586 w/organ mx, man in GG mentioning Bayerischer Rundfunk, then uptempo mx, more talk, then guitar mx, 0430, 3/23. **Pgm was not // 1586. This was unquestionably the best reception of this one for the 1975-76 winter DX season - how long can the good cx hold out? (Connelly)**

One verie

1376 -FRANCE Lille sent v/q for reception of 3/7/75. Took just under one year. Address R. France International, Department Coordination et Controle Technique Reseaux, B.P. 9516, Paris. (Sorensen)

The reporters for the past two issues

- Clifford BARNES - Bellaire, Texas **Eversonic ES-9500, 65' longwire w/tuner**
- Bruce BOOMER - Nutter Fort, West Virginia **HQ-200, 300' longwire**
- Mark CONNELLY - West Yarmouth, Massachusetts **R390A/URR, 2 phased 150' longwires**
- Ernie COOPER - Provincetown, Massachusetts **HQ-180, SM-2, longwire**
- Bengt ERICSON - Vaxjo, Sweden
- Martin FOLTZ - Lansing, Michigan
- Bob FOXWORTH - Long Island, New York **HQ-150 w/SB620, GPR90, 2 longwires, SM-2A**
- Craig HEALEY - Cumberland, Rhode Island **NC400, loop**
- Michael HOGAN - East Chicago, Indiana **Realistic TRF**
- Chuck HUTTON - Decatur, Georgia **R388/URR, loop, longwires, 1000' beverage**
- Joel LESSING - Oak Park, Illinois
- Albert LOBEL - El Cajon, California **DX150A, Sanserino loop, longwire**
- Cesar OBJIO - Santo Domingo, Dominican Republic **HE-30, 4' loop, 60' longwire**
- Greg REAMS - Melbourne, Florida **SP600, DA-5**
- Andy RUGG - Vacation in Barbados
- Morris SORENSSEN - Leaf Rapids, Manitoba **HQ-150, longwire, loop**

This and that

DOMESTIC SPURIOUS RADIATIONS: Carriers a few hundred hertz off of 1130 and 1170 khz, originating at WCOP, Lexington, Mass. Noted over a wide area, even on Cape Cod at night when CHSJ is dominating 1150! The carriers produce hets which vary slightly with modulation. (Connelly)

CONDITIONS REPORT: Something drastic must have occurred in the ionosphere between the night of 25-26 March and 26-27 March. **TA cx fantastic to early morning hours of 3/26,** then the following evening, band cx had greatly deteriorated, only the big stns (764, 818, 1466, 1554, 1586) had any signal at all. (Connelly)

Thats it. 73 - DX - See you in 14

Verie from No.Hollywood, Ca.

Sear via Wilkinson,

we received your report on the reception our station of March 3-rd 1958 and of October 20, 1958. It was the radio station in Yoshino-Sakhalinsk indeed. The station operating on 973 kilocycles - it is correct too. We confirm your report.

Sincerely yours,

*S.W. Romanoff
station manager*



H.W. BOYD

September 3-6, Holiday Inn Southeast, Interstate 264 at US Hwy 31E

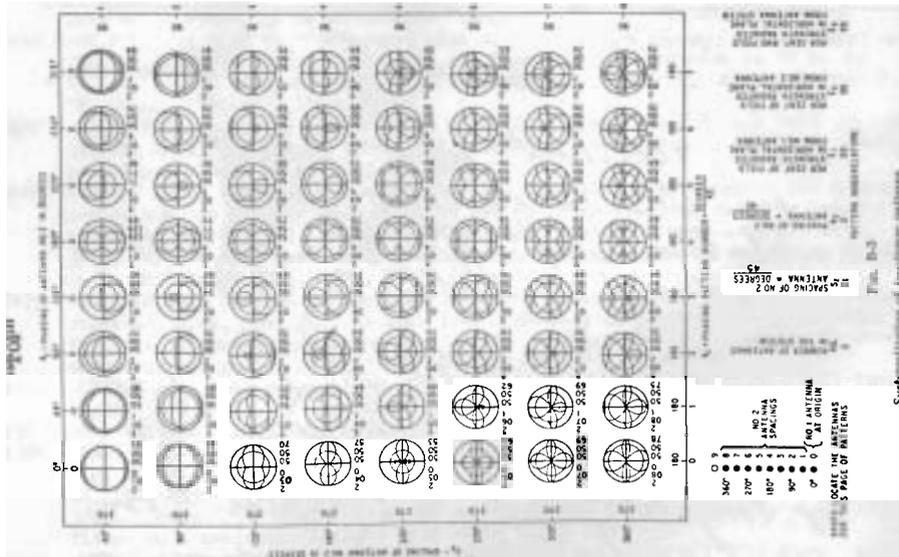
Since the first NRC NIGHT PATTERN BOOK was printed there have been many questions as to just how these patterns are produced. Shortly after the first book came out, I did an article explaining the basics of how such patterns are formed. At the time, that article seemed to answer most questions about such patterns.

The NRC NIGHT PATTERN BOOK is now in it's second printing, and my article on directional basics is a part of that book. But there has been more interest in how these patterns are formed than I expected. In the original article I didn't go much beyond the most basic of basics, mostly in the fear that it might go "over the head" of many members. Mail of late indicates quite an interest in these patterns, so this time we'll go just a bit deeper!

Below is a chart copied from the NAB Engineering Handbook (one of 4 or 5 actually) on such patterns. This chart shows how different patterns can be formed with different antenna spacing and phasing. Going down the left hand side of the chart we can see the different spacings, and across the top are different phasings.

Our earlier example stated: "moving tower #2 to a location 180 degrees north of tower #1, we develop a figure eight pattern, if both towers have equal power and magnitude." Looking down the left hand portion of the chart we find 180°, and since the first column is 0° phasing (equal power and magnitude), there is our pattern.

Earlier examples also stated: "an additional phase shift of 90° on tower #2 will create a basic cardioid pattern." Again we look down the left hand portion of the chart to find 180°, then across the top to find 90°. The pattern shown where these lines cross is the basic cardioid pattern.



Remember that the pattern developed is a result of both the phasing, and the spacing. The left hand side of the graph indicates tower spacing only, while the top portion is for phasing only.

Almost all questions on how such patterns are formed can be answered by use of the graph, and a little common sense. Should you require more detailed information, I'd suggest the NAB Engineering Handbook, or any number of books on the subject. Most should be available at your local library.

COST Registration is \$15. Covers cost of meeting rooms, hospitality room, beer, soft drinks and banquet.

Rooms are \$15 single, \$20.50 twin or double and \$22.50 triple (plus tax). Room assignments will be made by the Convention Committee unless you make arrangements with us in advance. Prices subject to change.

WHEN TO REGISTER The sooner the better, but not later than August 8, 1976. Send completed registration form to the address listed.

HOW TO GET HERE Louisville is centrally located, so getting to the city is easy. If you plan to use public transportation, reserve your seats early, since many people travel over the Labor Day weekend.

By Car From the East or Northeast, take I-64 or I-71 to I-264 West (Watterson Expressway), then to Bardstown Road South (US 31E), one block to the Inn on left. From the North or South on I-65, take I-264 East to Bardstown Road South. From the West on I-64, follow I-264 East to Bardstown Road South.

By Air Convention HQ is just 3½ miles from the airport. List your arrival time and flight number on the registration form so we can have transportation waiting on arrival, or you can use the courtesy phone for airport limo courtesy of the Inn.

By Bus/Train Write "arrive by bus," etc., on your registration form and we'll supply information.

PROGRAM There will be something happening almost all the time, from DX sessions with the beverage, to speakers, station tours, the auction, DX quizzes and general social sessions to compare reception, receivers and stations. We'll have an interesting speaker for the Saturday night buffet-banquet. Louisville is rolling out the red carpet for the NRC, with lots of beer, soft drinks and a place to gather until the wee hours.

AUCTION ITEMS Bring your auction items with you, send them with someone else or mail them to the convention address.

SHARE A RIDE Why drive alone to Louisville when you can share the trip and driving costs with other DXers? We'll be glad to match up those wishing to carpool. Just send us your name, address, when and where you plan to come from, and if driving, how many you can take. Let us know early. As added incentive, the largest carpool will receive a case of Louisville's finest--Falls City Brew!

QUESTIONS If you still have questions about the Convention, send them to the LADS at the address listed. We'll get one of our highly-trained, expert individuals to take off his headphones long enough to answer you.

(Convention Advance Registration Form on Page 34 - HQ)

DOMESTIC

X

DIGEST



editor.. Wes Boyd
2699 W. Liberty St Ext
Girard, Ohio 44420

Boyd--216 545 4543
Starr--216 534 1394
Silly--216 534 3711

Ar i Littek (box 771) Pt. Elgin, ON (NOH-2LO) wants to know if there are any DXers in the states that wanta swap stamps with him.

Starr sez the 710 Riverside, CA station (KQKI) in DDXD a few weeks back should be WQKI 710 St. Mathews, SC (I type 'em as I get 'em---HWB)!!! And he sez SS's unid 1200 station of late might be the AFCN 50wt in PR. Not hrd. here in recent years, but used to sneak in every so often....

My wife wants me to thank Yngve Mattsson (Overkalix, Sweden) for the postcard.. Quite pretty & she digs on that kinda stuff. She sez the next time you guys see fancy postcards, & have extra money, send them... (I'd like to also thank you for the DX tip on the back... HWB) *opp's, My mistake! 522*
LATE CHANGES - HWB
changes

560 CFOS ON seeks move to 1490 & 2500wt nite w/ satellite in Pt. Elgin (AL)
850 WRAP VA noted ANing w/ top-40/soul, log sez off 0100 (KA)
1350 WSLR OH noted off 3/27 about 0000-0210 (noted on portable rx while at work..)(PODA)

1490 CHYM ON seeks move down to 570 (see 560 item above..)(AL)
1530 KNIE WY per verie, goes all NX 3/15/76 (per DJ John Ayers) & will get a call change. (Yngve Mattsson) Don't confuse this w/ KFBK 1530 CA who is All-NX here now!--HWB

1190 **** MS Pearl.. seeks 1,000 watt daytime
1330 **** WA Pt. Orchard.. seeks 1,000 wt days
1400 **** MT Whitefish .. seeks 1,000 days, 250 nites
1560 **** NC Dobson.. seeks 2,500 watt daytime

950 *CP* MT Helena GRANTED 5Kw fulltime here (suspect DA-N)

610 KUAM ?? Agana, Guam seeks move to 630 w/ 50Kw fulltime..

680 WRNG GA seeks to add 10Kw nite, directional

710 WDSM WI seeks increase nite power to 10Kw

790 WETB TN seeks 5Kw daytime

910 KBGN ID seeks move to 1060 w/ 10Kw

950 WXLW IN seeks to add nite w/ 5Kw (go DA-2)

970 WIIN GA seeks 5Kw non-DA days

1060 KHYM TX seeks 10Kw daytime

1080 WKGX NC seeks 5Kw power

1090 WILD MA seeks 5Kw days, 1Kw CH..

1140 KLUC NV seeks nite operation w/ 2500 watts..

1250 WARE MA seeks 5Kw day.. 2500 watt nite.. DA-2

1280 KCOB IA seeks 5,000 watt DA-Days

1310 WSLW VA seeks to move XMTR/ANT. site.

1370 KDTM IA seeks 5,000 watts nite

WKMC PA seeks 5,000 watt DA-days

1390 WRSC PA seeks 2500 watt days

1440 WBLA NC seeks 5,000 watts days

KUHL CA seeks 5Kw daytime

WWCC NC seeks 2500 watt days

*1410 KHYO WY seeks 5000 watt daytime

1480 KWIZ CA seeks 5Kw nite power

1520 WTLN FL seeks 10,000 watts days

1550 WRHC FL seeks 250 watt nite

1570 WOBL OH seeks 1320 w/ 500 days & 1,000 wt. nites

1590 WTNS IN seeks 500 watts DA-nite

570 WVMI MS granted operation unlimited hours, nite pwr/ant unknown!

970 WWIT NC granted 5,000 watt daytime

1230 WMLR TN granted move here w/ 1,000 days & 250 nites

1270 KFJZ TX granted move of ant/xmtr. site...

1330 WFTO MS granted 2,500 watts daytime
1350 WDCF FL granted 500 watts DA-nite

And still in hearings..

1040 KHVH HI seeks move to 1010 w/ 10,000 watts

1380 KPOI HI seeks 990Khz. w/ 10,000 watts

FINES:::\$\$\$\$\$....

1240 KXOX TX Fined \$500 for excessive power..

WCOU ME Fined \$250 " " "

1270 WORL FL Fined \$2000 for operating past licensed s/off time

1510 WVAP SC Fined \$500 for excessive power

Finally..

1460 WCIS MS seeks call WKKY 1580 KYDE AR ex: KPBA

TEST RESULTS:::

WAFI 1560 not hrd..(by everyone)

WHUM 1240 Hrd: (Starr)

KSEK 1340 Hrd: (Starr)

WKEX 1430 Hrd: (HJH--HWB)

r c's

3rd. WED: WKFD RI per list..(CH) opps--1370

3rd. TUE: WAHT 1510..not hrd..(JWB)

3rd. FRI: WJLJ 1060 not hrd..(JWB)

4th. MM: KAMA 1060 not hrd..(JWB--HWB)

KLEO 1480 per list (Starr)

NEWIES:::

840 WVPO PA 4th. WED 0000-0015 per call (AK)

1240 WSFC KY per CE is 2nd. SAT-- 0400-0415 (Starr)

1330 WRAA VA hrd. 2 months in a row--2nd. TUE: 0000-0015 (MPO)

1340 KSEK KS per call, is 3rd. MM 0100-0115 (AK)

1450 WFIX AL 3rd. WED w/ dt 0304-0315 (NZ)

KRBN MT 2nd. THU w/ TT 0231-0235 (NZ)

WADD 1560 NY had a f/c 3rd. TUE or WED 0030-0045 per call (AK) (I listed this as "HAD" as Clay Adamson in LeRoy, NY called to tell me the place closed operation on 3/26.. reasons for going silent are unknown--HWB)

UNID 1340 ?? in sked WHAT r/c 3/22.. hrd. ending of ID, but no call/city.. letter to WHAT sez no f/c by them anymore.. a newie w/ 1K TT, but just who izzit?? (Starrski)

Now (as if this wasn't enuff so far), more changes from John Oldfield....

These are all proposed Canadian changes.....

550 CHNO ON seeks 570Khz

CKPG BC now NSP..// CKMK 1240

560 CFOS ON seeks a twin in Pt. Elgin on 1490, & 2500 nites on 560..

CP NF St. Anthony.. twin // CJCN 680

570 CKWL BC is here, ex: 920Khz

CKSW SK soon moves here, ex: 1400

CHNO ON seeks 10Kw fulltime here..PO: 550

CHYM ON seeks move here 5K day/10K nite, PO: 1490

620 CFCL ON denied move to 850Khz...

**** ON Sudbury..denied, was pending CFCL grant

690 CFRG SK (ex: 710 day/ 1230 nite) ETing here, will // CFNS 860(po 1170)

740 CB?? NF Nain, Labrador.. 40wt LPRT // CFBG 1340

790 CFCW AB now is NSP..

850 CFVR BC seeks 10Kw here..po 1240

860 CFNS SK is ETing here..po 1170 (see 690 item above)..

880 CBDH SK 40 watt LPRT// CBT 540

920 CKCQ BC is here, ex: 570 (see 570 CKWL above)

930 C??? ON EEer 10Kw day/nite granted in Espanola (near Sudbury)

960 CFTJ ON seeks 1Kw day/nite here.. po: 1320

+920 C??? PQ Lac Etchemin w/ 1Kw.. // CKRB 1460

1010 CBLH ON Hornypain is here, ex 1090 & // CBQ 800

1060 C??? ON Hawkesbury CP moved to 1110Khz w/ 1Kw day...// CFML 1170

1110 CBSL PQ Rimouski.. was to go RS 3/15/76

1240 CKMK BC Mackenzie is // CKPG 550 & NSP

1260 CFRN AB is now NSP..

1310 CHGB PQ gets 10,000 nites here
 CIOK AB St. Paul is not // CFOK 1370 yet, but will // AN show soon!
 CFGOM ON seeks 50Kw day/nite on 1320 pending CFTJ move to 960Khz..
 1340 CIVH BC is NSP..// CJCI 620 net.. "Trans-Interior-Radio"..
 1370 CJWV SK Saskatoon is ON.. 10Kw & protects CFOK..
 CHPQ BC is NOT // CHUB 1570..
 1450 CBG NF get 1,000 days, & 500 nites
 CKSP BC (and other twins on 1240-1340) use separate timed IDs along w/
 the CKOK IDs..
 1480 C??? BC LPRT on CJCI net.. 50watt NSP, hrd. west at 300 miles & at 500
 miles (in Edmonton)..
 1490 C??? BC LPRT on CJCI net..as above, but a bit harder to hear..
 CHPG BC is on, // CBU 690
 and one US station..

1430 KLO UT Sked is Mon-Fri 0700-0300 (Assume they s/off weekends--HWB)

...I really don't understand this, 2 1/2 pages of changes, f/c stuff & of test results!! Oh, to the few of you still waiting on KLUC 1140 veries for the 12/15/75 DX test--mine showed up 4/2/76! That makes 4 veries from them now, & 3 were for the old f/c that died in '72 If his application for 2.5 Kw nites is granted it might help those needing NEVADA!!
 sunset & evening

560 WHND MI 3/14 Noted s/off 1845 in local CFOS null (AL)
 580 CKAP ON 3/14 After WILL s/off, 1855-1920 w/ nx-wx-sx & many IDs(MH)
 660 KSKY TX 3/11 S/off 1930 after relig. pgms., much WNBC QRM (KA)
 690 WAPE FL 3/18 RR mx, contest promo, fair 1810-1830 pattern switch!(CH)
 730 WPIT PA 3/21 Finally! after WOHs s/off, 1829+ s/off & FM 101.5 plug(BW)
 740 WNOP KY 3/24 Good sigs 1830-1835 w/ nx (MH)
 750 WPDV WV 3/24 In very well, 1829 s/off (MH)
 790 WSGW MI 3/26 In 1759 w/ ID, into CBS nx 1800 (MH)
 800 WHOS AL 3/11 Local ads 1857-1900, political ads, s/off w/ lotsa info,
 then song "May the Good Lord Bless & Keep You" (KA)
 820 WAIT IL 3/24 W/ MOR mx, nx at 1900, no WBAP yet!! (AL)
 830 KBOA MO 3/17 nice level 1857 way o/ WCCO, local ads, etc (BW) 3/17 An
 awesome level 1849-1900 w/ local ads, "radar wx scan", & s/off w/ a
 plug for KTMO FM 98.9 (KA) Ye Gads, a "stereo" logging--HWB
 850 KEYH TX 3/10 "KEY RADIO NEWS 85", 1905 after AP nx, Traffic report hrd
 at 1908 u/ WJW (BW)
 860 KOAM KS 3/10 W/ relig. 1911-1930, weak u/ CJBC, then girls BKB game(BW)
 KSFa TX 3/17 Atop 1930 ending "Radio Bible Hr.", then s/off giving
 mailing address & asking for cards & letters (KA) 3/18 Nice level
 1921-1930 s/off w/ promo, ads, C&W mx, & ISSB, no KOAM (BW)
 880 KRVN NE 3/10 U/ WCBS 1920-1925 w/ livestock report, many CIDs, then Ads
 & wx (BW) 3/10 Atop 1924-1930 w/ ski report, stock market report,
 Farm stuff, Ae nx (KA) Thats cute, 2 guys in same city, hear same
 station, at same time, w/ different pgms.!!--HWB
 900 WGOK AL 3/18 W/ s/off 1900 & plug for WGOK FM..Stereo 92 (BW)
 1000 WXTN MS 3/22 Fair/Poor u/ WCFL 1903-1915 w/ nx-wx-sx, inspirational
 message, then into s/off (KA)

+1080 WUFO NY 3/17 This local on ET-TT 2330, Hrd. ID & called them, but they
 didn't go off! Isn't this illegal?? (MPO) Slightly, but the FCC in
 Buffalo should have been called when they didn't go off, also never
 hurts to notify WTIC/KRLD!--HWB

1260 WNNR NY 3/17 At 1800, atop channel, w/ s/off (SW)
 +1320 WCOG NC 3/21 Noted this pest off early, s/off 2345 (BW)
 1530 WPMC VA 3/20 Hrd. ID of this at 1730 (JWB)
 WTHM MI 3/20 Noted w/ ad at 1735, looking for PA newie here! (JWB)
 1550 WSAO MS 3/21 Noted this w/ s/off at 1900 (MH)
 1580 KWTN IA 3/14 Hrd. w/ C&W mx to s/off at 1915 (AL)
 WAXU KY 3/17 W/ C&W 1841, s/off 1845, plug FM 103.1 for more C&W(BW)
 KCHA IA 3/25 S/off 1817, plug FM for continued listening pleasure(MH)
 WPKY KY 3/25 Hrd. at 1808 w/ s/off anct. (MH)
 1600 CHNR ON 3/11 A newie! Noted 2255 w/ classical mx (MH)
 midnight to sunrise
 630 WLAP KY 3/11 Promo "Great American Radio Contest" & Mystery Vault 2311-
 2322, then RR mx (KA)
 640 KFI CA 3/20 O/U Cuban 0135 w/ a talk show (CH)
 680 KNBR CA 3/15 First time here, ID 0200, then NBC NX (AL)
 WMPs TN 3/15 ID hrd. thru powerful KNBR, @ 0330 (AL)
 WPTF NC 3/15 Still no CFTR, this one hrd. at 0500 w/ nx (AL)
 730 CHIR ON 3/20 RR mx, Hockey scores, 0145-0155 u/ CKAC & mixing w/ SSer
 (suspect XEX!), called & DJ confirms was this I hrd. (CH)

740 WNOP KY 3/14 ET, ID 0120 as "Radio Free Newport", female CE (AK)
 KRMG OK 3/20 EL MX, & editorial @140-0145 (CH)
 900 CKTS PQ 3/12 ID as mx radio-CKTS, TC after each RR record, 0126-0130
 w/ slight CHML, no XE (KA)
 910 KCJB ND 3/14 Hrd. 0145 w/ RR mx & station promos (AL)
 940 KIOA IA 3/15 ET-TT, ID 0130 (AL)
 950 KIMN CO 3/15 Way u/ WKAZ 0144 w/ tele-talk (JA)
 980 WOAP MI 3/17 Fair ti inaudible 0645-0700 (JWB)
 1010 CFRB ON 3/20 U/ WINS 0215-0222 w/ auto ad; PSA, MOR mx (CH)
 1030 KTWO WY 3/15 In 0050-0122 w/ Billy Graham, NBC nx, local relig. pgm.
 at 0105, to wx & top-40 at 0120, Fair/poor w/ heavy Colombian & XE,
 Impossible without the loop! WY #1 (KA) 3/22 YAHOO--WY #1, relig. to
 0100, then ID & NBC nx..state #40 (BW)
 1050 CHUM ON 3/20 U/ WHN w/ ads, RR mx, "CHUM" IDs, 0224-0226 (CH)
 1060 CJRP PQ 3/20 U/ KYW 0227-0234 w/ EE & FF RR, & KAY-TEL oldie Ads(CH)
 WLAB NC 3/18 Only got ID in mess 0710, Much CJRP, but o/ KYW (JWB)
 1070 WKDR NY 3/20 On ET-TT-PoP 0248+, w/ WIBC-WNCT-WFLI (CH)
 1080 WKAC AL 3/27 Noted on 0224 w/ emerg. wx info (KDF)
 1090 CKKW ON 3/17 & 3/18 VERY WEAK AN now, maybe the DA finally works right,
 to bad it wasn't before all the 1090 DX tests (Starr)
 1110 WSLV TN 3/21 On EMERG. POWER 0023-0100 s/off, during tornado watch, WBT
 off! (KA)
 KFAB NE 3/21 W/ WBT off, EL mx, & Serenade in the nite show, 0130, then
 NW-WX (CH) 3/21 Fair 0135 w/ NX-ID & Serenade in the nite (SW)
 1190 CHTN PEI 3/15 This in w/ MOR mx during WOWO MM SP (AL)
 1230 WINF CT 3/22 Faded up 0115-0117 w/ DAVE WOLFE show, PSA, promo(KA)
 1240 UNID ?? 3/22 Two TTs here 0158, tent. on WHUM CW ID 0225 & 0230(CH)
 1250 WEMP WI 3/15 ET, strong, 0215, full ID as ET, then high TT (HJH)
 1270 WAIN KY 3/27 Loud w/ TT & tornado anctts, 0200-0245 s/off. At 0215 sez
 warning dropped, then just into TT as an ET (Starr) Was during the
 KIML f/c period, hope nobody nistook this for them--STARR/HWB!!
 1290 WBNF NY 3/28 NX-WX & uptempo MOR 0230-0234, WICE off SM as usual(CH)
 WCBL KY 3/18 NX-WX-SX 0705-0720, C&W mx, fair at best, some WIRL(NZ)
 KWGH TX 3/16 ET 0208-0218 w/ ID & C&W MX, fair in KOIL null during
 it's SP, some KRGV also there (NZ)
 1310 WLOB ME 3/29 Fair 0106-0111 w/ RR, "lucky 13", & SKY KING show (DJ I
 Guess!) (CH)
 1320 KNIA IA 3/14 Sun. morn. s/on 0700 asking for comments on pgms.(NZ)
 WKTQ PA 3/18 RR mx, contest, & "13-Q" ments..0045 (CH)
 1330 WFBC SC 3/18 RRish mx, NBC nx on hr., local nx on half hr.--"Your Radio
 station--WFBC 133" 0050-0145 (CH)
 WFTF FL 3/29 Several segued C&W cuts 0245-0255, "You are on the right
 track--WFTF" (CH)
 WRAA VA 3/13 Fair 0559 s/on, but soon covered by the 0600 s/on mess.
 1340 WGN TN 3/22 Up o/ KSEK 0128 w/ CID to RR mx, then gone to the mush(BW)
 1360 WKYO MI 3/26 Loud 0140 on ET w/ TT-OC & RR mx (KDF)
 WLBK IL 3/26 W/ organ mx 0334 on "special test pgm", then s/off(KDF)
 1370 KXLF MT 3/20 W/ MT state nx 0130 u/ WSPD OC, then WSPD back to RS 0145
 & lost KXLF..MT #3 (AK)
 1390 WFON IL 3/14 Noted w/ R&R [redacted] at 0400, new here (AL)
 1400 WGBG NC 3/22 Local on ET ending 0035, was OC & C&W mx 0015 (BW)
 *1420 WCED PA 3/23 Fair/Good 0559 s/on w/ ISSB, CBS nx (KDF)
 +1450 WROX MS 3/26 Noted w/ late s/off & ISSB 0125--change?? (KDF)
 1460 WFMH AL 3/27 On 0158 w/ emerg. stuff, wx reports, many IDs (KDF)
 1490 WAJF AL 3/27 On w/ WX info & shelter info for emerg. (KDF)
 1510 WRAN NJ 3/21 Noted on OC-TT-PoP, weak ID 0302, hrd. 0210-0330+(CH)
 1520 WANR OH 3/15 Alone, 0230 w/ ALL NX ID & wx (KA) 3/15 Hrd. this u/ WHIC
 ET w/ NNIS, ID 0238 (SW)
 WHIC KY 3/15 On ET w/ OC & TT, ID at 0240 (SW)
 1530 WHIY AL 3/26 On anct. ET w/ dt 0317, one day after sked f/c (KDF)
 1550 WHHY AL 3/27 Super loud 0130+ w/ RS & tornado warnings, maybe on high
 power for this, never hrd. this loud before (Starr)
 1560 KKA SD 3/15 This was doing ETs all MM (AL)
 KPAC CA 3/15 CBS nx 0304-0306 then s/off & ISSB, all alone (BW)
 UNID ?? 3/22 Someone here ran ISSB at 0335--????? (CH)
 1570 CHLO ON 3/12 Hrd. 0010-0101 s/off, 45 min. feature on RR mx, nx-wx-sx &
 s/off to return 0600 (KA)
 1580 KDAY CA 3/15 Nice level, NB net anctd. 0255, ID 0256 (BW) 3/15 "Santa
 Monica Speaks" pgm 0457, then CBJ 0459 s/on killed it (AK) 3/22 Tent.
 w/ interview show 0345-0358, Santa Monica ments., Screaming relig. at
 0430+, some AF-40 at 0412..but only daytimers listed w/ it (CH)

...Craig, the talk was KDAY.. thing w/ relig. might be them, but have hrd. w/ talk past 0430 here. Maybe was WCLS, they s/on about 0400---HWB
 1580 con't..
 WCLS GA 3/14 No CBJ at 0300, just this & some QRM from CHLD (AL)
 1590 WQWV CT 3/9 U/ WAKR w/ s/off 0108, no SSB--quick verie! (AK)
 KEND TX 3/15 Fair at times, w/ NLS 0035+.. hrd. IDs on hr. & half hr. plus CIDs at 5 past & 35 past the hr. after local nx by female. QRM mostly WAKR and unid TTer who was there 3 hrs. at least (HJH)
 1600 KCRG IA 3/15 This one in the clear all AM w/ RR MX (AL)

WOW, thats all of it gang!! Glad to see you guys still DXing, I've just about given up!! Haven't turned on the rig in 3 weeks, no taped stuff in over a month, last report out was the WBOO test! With all the spurs, burd-iez, jammers, splash,etc. I doubt I'll get my IDAHO tape, or even hear my ALASKA.. Maybe I should take up a nice safe hobby, like SEX!!

REPORTERS:

CA	Clay Adamson	LeRoy, NY	SX99 LW Loop
KA	Kelly Andrews	Greensboro, NC	SX99/LW A2515/Loop
JWB	Joe Brauner	Punxsutawney, PA	HQ160 SM
KDF	Karl Fourth	Villa Park, Ill	TRF SM
MH	Michael Hogan	E.Chicago, IN	Zenith T-O SM
HJH	Harry Hayes	Gouldsboro, PA	NC400 Loop
CH	Craig Healey	Cumberland, RI	
AK	Andy Kwiatkowski	Chicago, Ill	TRF LW
AL	Arnim Littek	Pt. Elgin, ON	HA600 LW
MPO	Michael O'shea	Buffalo, NY	
PODA	L. M. Poda	Akron, Ohio	HQ180 Loop
BW	Bruce Winkelman	Greensboro, NC	HA600 LW
SW	Sharon Waterman	Southwick, MA	HQ160 SM Sony TFM 715W
NZ	Neil Zank	Lincoln, NE	HQ180 Loop
Starr	Jerry Starr	Hubbard, Oh	Zenith T-O
Silly	John Silliman	Hubbard, Oh	HQ 180 Loop
HWB	mineself	Girard, Oh	

Later, *H.W.B.*
 H.W.B.

TRAVELER'S INFORMATION SERVICE: A NEW MEDIUM IN MEDIUM-WAVE BROADCASTING
 © by Michael S. Hardester 1976

In 1968, Yellowstone National Park began a project—conceived of several years previously—of installing six transmitters along an experimental stretch of the park's road system. These transmitters were of low power, operated on a standard AM frequency and provided the park visitors with general information about the park and safety precautions. So successful was the experiment that Yellowstone now operates a system of thirty transmitters, of low power—100 milliwatts each, throughout the park.

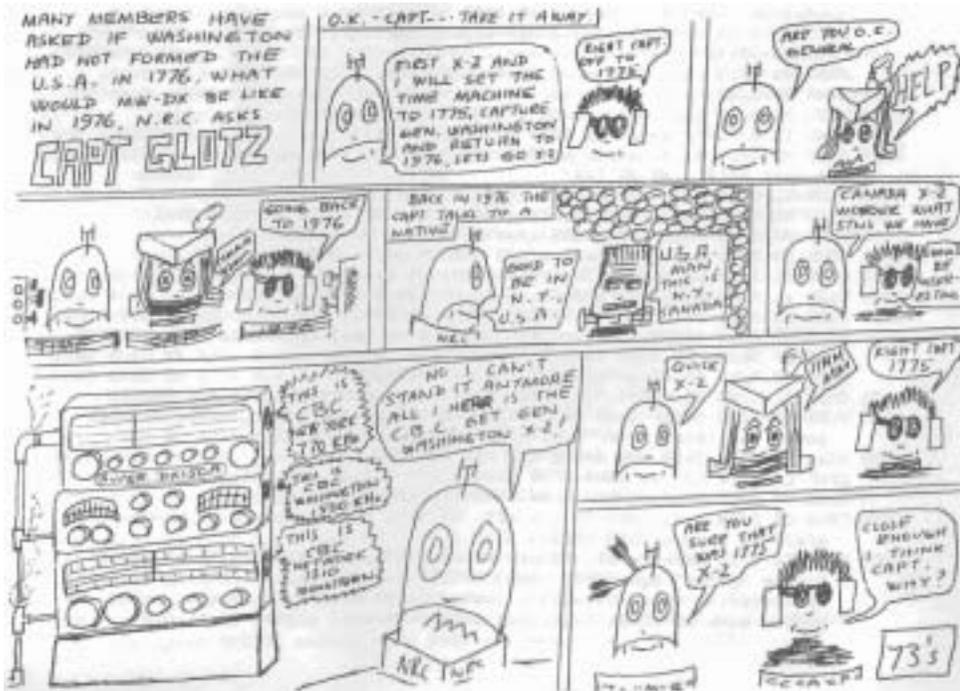
Gradually, other agencies began similar operations in an effort to better inform visitors, to their parks, etc., of local attractions, items of safety or traffic information. Shortly after the earthquake which struck the Los Angeles County area, the California Department of Public Works set up temporary transmitters and successfully re-routed traffic from closed portions of Interstate 5 along open routes.

In June of 1975, the Federal Communications Commission announced a "Notice Of Proposed Rule Making In The Matter of Amendment of Parts 2 and 89 of the Rules to provide for the use of frequencies 530, 1606, and 1612 kHz by stations in the Local Government Radio Service for the transmission of certain kinds of information to the traveling public." The proposal was assigned the Docket No. 20509, and comments were solicited. An extension was allowed on the soliciting of comments, and though research for this article began in mid-1975, presently—March of 1976—there has yet to be any response from the FCC regarding a final decision in the matter of TIS.

As presented to the FCC, the TIS would be limited to the above mentioned frequencies, and power output would be limited to a maximum of 10 watts, though the majority of those TIS stations presently in use operate with only 0.1 watt—100 milliwatts. Further, hours of operation are unrestricted.

The transmitters and other equipment are commercially manufactured, and consist of an AM transmitter, gain antenna, power supply, timer, and a book of instructions. In January of 1975, the preceding equipment was priced at \$1200.00; for an additional recorder and/or repeating unit, \$750.00 was to be added, and thus a complete unit is just under \$2000.00. The power output, up to 15 watts, and operating frequency, one of the 3 mentioned above, is selected by the purchaser and preset by the manufacturer.

Regarding the TIS concept, the FCC states: "For some time the Commission,



together with other Federal Government agencies, has been studying the need for and feasibility of using low power radio transmitters to communicate certain kinds of information to travelers. For example, radio might be used to alert motorists to road hazards, to inform them of available food, gasoline, or lodging, or to direct them to local points of interest. Also, Federal Government agencies have expressed a desire to use radio at parks and other national tourist areas to inform and advise travelers and to control traffic during emergencies such as forest fires. It appears that the use of radio can, in many situations, offer significant advantages over road signs or other methods now being used for these purposes."

At present, several Federal agencies operate low powered stations conforming to the FCC proposal and most notably are the National Park Service, Bureau of Land Management, Forest Service, U.S. Customs Agency, and a few international airports. Following is a brief list of stations currently known to be operating, and for the most part they are located in the Western United States.

There are several TIS-type operations in California, and most fall under the jurisdiction of the Forest Service. The Tahoe National Forest uses two transmitters near Donner Summit on Interstate 80 across the Sierra range. The system has been in operation since the Fall of 1973; both transmitters are battery powered, have a range of 1000 feet, operate on 830 kHz, and deliver 0.1 watt of power. Another unit is planned for the Summer of 1976; it will be placed in operation at the southeast corner of Lake Tahoe—Visitor Center, but no further information is available at this time. Moving south, we note the use of two transmitters, since 1974, at Sequoia and Kings Canyon National Parks; both operate on 650 kHz, and are limited to "Less than 1/10th watts." In the Los Angeles area, the Angeles National Forest has been operating one transmitter since 1973.

As is occasionally noted with government agencies one department may be unaware of the other department's activities and such is the case at Cabrillo National Monument located in San Diego County. Cabrillo has supposedly had two transmitters in operation, on 530 and 1606 kHz, since February of 1975. Trouble is, no one bothered to tell the Park rangers of this. Not only are no transmitters in operation, no one from the Park Superintendent on down has ever heard of such a plan let alone the concept of TIS!

Moving even further south to within a mile of the United States/Mexico boarder, we find another station in operation. Operated by U.S. Customs Agents of the Treasury Department, a station on 1600 kHz provides bilingual infor-

mation to travelers, in the United States and Mexico, approaching the boarder. Despite a stated power output of one-tenth watt, the station, located in San Ysidro, California, claims a radius of 3 miles, and has been heard by a DXer in El Cajon, California—a distance of approximately 15 miles. Operation began on 1 August 1974. (Cf. The San Diego Union, 2 AUG 74, unknown page; or DX Monitor (International Radio Club of America), 7 SEP 74, pg. 5).

Moving northeast to Nevada, there are two known TIS stations in operation. One is at Lake Mead, and, like others, it operates with less than a watt of power on 530 and 1606 kHz. Another station is located in the Lemon-Caves Wheeler Peak Area of the Humboldt National Forest in northern Nevada.

The last two known operating TIS stations are located in separate, adjoining, states: Utah, and Colorado. At the Flaming Gorge National Recreational Area, Ashley National Forest, in northeast Utah, one unit operates on 1580 kHz to provide visitors with information regarding the National Recreational Area. Also providing information, "after hours," from sunset to sunrise, a unit at the Idaho Springs Visitor Center in Idaho Springs, Colorado informs visitors of attractions at Arapaho National Forest; the frequency is 1610 kHz, and has been in operation since July of 1973.

Though this article is directed at TIS operations in the United States, one cannot ignore similar operations in Canada. Presently, there are six stations in operation, utilizing graveyard frequencies and operating with 0.1 watt each. In Jasper National Park, Alberta, there is CBPA-1490, and CBPB on 1230 kHz. CBPC-1490, and CBPD-1230 are located in Glacier National Park, British Columbia. The remaining two stations are CBPE-1490 and CBPF-1450 both located in Cape Breton Highlands National Park, Nova Scotia. CBPA, CBPC, and CBPE provide information in the English language; CBPB, CBPD, and CBPF provide information in the French language. Like many TIS stations in the United States parks, the stations in Canada provide general information to park visitors.

And now a rather unusual station which is and isn't a TIS station: KQ2XUB on 530 kHz. This station is located at Los Angeles International Airport. Though it provides general information to airport users, unlike other TIS stations, it is a FCC licensed experimental station, and operates with 10 watts of power. From Los Angeles International, this description: "We are presently licensed as an experimental station by the FCC, and transmit traffic and parking information to airport bound motorists on 530 kHz. We utilize a buried cable as our antenna system so our signal can only be picked up on the main approach road to the airport, and inside the main airport complex. The

cable is fed by 10 watts of RF power for each leg, and there are two transmitters broadcasting at the same time, normally with different information on each one. This is possible due to the extremely short range of the signal emanating from the cable (about 60 feet laterally from the cable). We have been on the air to the public since November 1972." The San Francisco Chronicle reported operation began on 10 NOV 72. (Cf. DX Monitor (International Radio Club of America) 9 DEC 72, pg. 20.)

The latter item on Los Angeles International brings forth a point: most TIS stations feed into a regular antenna, above ground, and as such are heard over varying distances, depending on the surrounding terrain. The buried cable concept is more closely aligned with carrier-current stations of the type operated by some high schools, and many colleges with the intent of providing a service to the confines of the campus. So, please do not confuse the "true" TIS concept with the concept of carrier-current stations.

By now the question on many minds might well be "What are my chances of hearing a TIS station?" The answer: "Excellent to none." Confused? Look at it in this manner: a present list of stations operating, in the United States, states 191 stations are in operation in virtually all states in the United States, excluding Alaska, and Hawaii. Most of these stations are operated on a part-time basis—tourist season. Also, recall the previous mention of the supposed operation at Cabrillo National Monument. While many of the stations are supposed to be on, there is no accurate way of determining whether or not they are in operation. Going one step further and assuming all listed stations are on the air, then there is a fair to good chance of hearing one. Recall the 15 mile reception of the boarder station located in San Ysidro; also, many West Coast DXers will recall CBXQ, 540 kHz, in Ucluelet, B.C. being audible throughout much of the West Coast in recent years and the power: 40 watts! Further, look at the continual reports of Canadian LPRTs. The only major drawback to long distance reception is the terrain surrounding the station.

As this is being read, there is no guarantee these stations are still on the air, and even if on how long they will remain on. Further, new stations may appear daily, and unless noticed by an observant DXer, such a station may go "undiscovered," until noted by chance.

Only rarely does a new area of DXing open up, and most often it is an area which has existed for some time, but emphasis on the area has been lacking. Such is true of Traveler's Information Service. While it is aimed at providing information to the general public, it also provides DXers with an opportunity to test patience, skill, or just plain luck at logging stations in

a new area of DXing. Oh, yes—many stations will respond to correct reception reports if a stamped, self-addressed, prepared form card is sent with the report. Such reports are of little, if any, value (unless reception was within the "target area."), and any reply received should be looked upon as further luck owing to the usual lack of knowledge of a ranger regarding the hobby of DXing. Thus, a reply with simply "Thank you for your letter" may be received in lieu of the expected full-data card. The definition of a "valid QSL" from a TIS station must be left with the DXer involved.

So, there you have it: a new area of DXing with emphasis. It's never too late to start checking out the frequencies mentioned, and while on vacation this summer, you might check road signs or park entrances for an alert to a new adventure in DXing...oh, by the way, the information you hear might be of interest, too.

SEQUOIA and KINGS CANYON NATIONAL PARKS RADIO
CONFIRMATION OF RECEPTION

Call letters: N/A Frequency: 650 kcs
Date: May 5, 1974 Time: 10:30 A.M.
Transmitter: _____
Power: less than 1/10th watt
Remarks: This station is a low-power informational transmitter.
Please sign and stamp: _____

Date: 7-25-75
This card will verify the reception of the Department
of the Treasury (Customs Service Radio Station operating on
1600 kHz, on (date) 7-14-75 at (time) 11:00 A.M.
The station is located at SAN YSIDRO, CALIF
and operates with a power output of 100 milli-watts.

Comments: _____
Please sign: SEYMOUR HOLLANDER, PUBLIC INT.



UPDATER



Ron Musco
16 Chestnut Dr.
Windsor, CT 06095

Vol. 5 No. 18

580
WHP-PA SCH: 24 hrs NSP 1050
CKAP-ON CP is on. PWR: U2 10000 CKSB-MB SCH: 0700-0200
1000 1060
600
WMT-IA SCH: 24 hrs NSP 1070
CFCH-ON SCH: 24 hrs WDTA-TN SCH: 24 hrs SP:MM -0500
620 WTSC-WI Net: UPI
KWFT-TX SCH: 0500(0700)-0100 1080
670 KSCO-CA Net: AP
KBOI-ID SCH: 0700-0237 1090
680 WCMG-FL Net: M
WCBM-MD Addr: 68 Radio Plaza, 1110
Owings Mills, 21117 *WVNH-NH Call for Salem CP.
690 CHQT-AB PC: T5J OX8
KGGF-KS SCH: 0600(0700)-0103 1170
710 *KQKI-LA Call for Bayou Vista CP
WQKI-SC CP is on, delete * WCLN-NC Addr: Box 89
740 1190
KSSS-CO Net: N. KAYQ-MO Addr: 3435 Broadway,
KTRH-TX Net: C. SCH: 0458-0130 Zip: 64111
790 1230
KABC-CA SCH: 24 hrs, SP: 2nd MM WITH-MD Net: C
of months: 2,3,8,11 CHVD-PQ //CJMD-1240 & CFED-1340
SCH: 24 hrs NSP
850 1240
KQA-CO Net: C KCLV-NM SCH: 24 hrs NSP
CKRD-AB SCH: 24 hrs NSP WWWD-NY ex WSNY
CKVL-PQ Addr: 211 Ave. Gordon PC: H4G 2R2 CJMD-PQ //CHVD-1230 & CFED-1340
SCH: 24 hrs NSP
860 1250
WUCR-TN CP: D1 1000 WKBR-NH Net: UPI
900 1260
KTIS-MN Addr: 3003 Snelling Ave. North. Roseville, 55113 KSNQ-CO Addr: Box 10910
910 1270
KJJJ-AZ SCH: 24 hrs NSP CHAT-AB PC: T1A 7H5
920 1280
KDHL-MN SCH: 0600(0630)-0300 KWMS-UT ex KNAK
(0200) 1290
930 WFIG-SC Addr: Box 38
KOGA-NE SCH: 0800-0200(0300 Sat, 1300
Sun) KVOR-CO SCH: 24 hrs SP:MM 0200-
0600
KSDN-SD Addr: Box 1930 1310
970 WFLA-FL CP is on. PWR: U4 5000 WQTK-NJ ex WPRJ
5000 CIOK-AB Delete //CJOK-1230 &
Net: C CFOK-1370
1000 WKHM-MI Net: C 1320
1000 WHWB-VT Net: UPI KWHN-AR SCH: 0600(0655 Sat, 0800
1030 Sun)-0102
*WKZE-PR Call for San Juan CP. WVOJ-FL Addr: Box 37150

1320
KOLT-NE Addr: Box 660
WEEET-VA CP: D3 5000
1330
KWWL-IA Addr: 500 East 4th St.
1340
KIKO-AZ Addr: Box 1543, Globe
Delete Net
KFBR-AZ SCH: 0800-0000, Net: Ai
KORV-CA SCH: 0900-0300, Zip: 95969
WGAA-GA Net: AP
WBIW-IN SCH: 0530(0645)-0000
(2300)
WLEW-MI Net: AP, SCH: 0530(0600
Sat, 0700 Sun)-2330
WLAV-MI Addr: 101-C Waters Bldg.
SCH: 24 hrs SP:MM 0000-
0500
WMTE-MI SCH: 0500-0000
KDLM-MN Addr: Box 746, Net: UPI
SCH: 0700(0800)-0000
(0100 Memorial Day to
Labor Day)
KXEO-MO SCH: 0600(0845)-0100
(0000)
KCAP-MT Addr: 110 Broadway
KBET-NV SCH: 24 hrs NSP. Zip: 89501
WMID-NJ Addr: Box 1137
WOOW-NC Net: Ac. SCH: 0545-0205
WCBQ-NC SCH: 0615(0730)-0000
(2000)
WBRE-PA SCH: 0515-0103
KSET-TX SCH: 24 hrs NSP
KRBA-TX SCH: 24 hrs
WSTA-VI Net: N. Addr: Box 489,
St. Thomas, 00801
WHAR-WV Net: AP
WEPM-WV SCH: 0545-2330
WXEE-WV Addr: Box 1340
WRIT-WI Nets: Ac, N
KSGT-WY SCH: 0800(1000)-0200
(0000)
KYCN-WY SCH: 0800(0900)-0000
(2300)
KWOR-WY SCH: 0800(0900)-0000
(2100)
CFED-PQ //CHVD-1230 & CJMD-1240
SCH: 24 hrs NSP
CFOM-PQ SCH: 0600(0700)-0110
1350
WDCF-FL CP: U2 1000 500
WXCL-IL Net: ABC
1370
KIKS-KS ex KALN
1380
KGMS-CA SCH: 0800-0307
1390
WCSC-SC SCH: 24 hrs SP:MM 0002-

1400
CKCB-ON Addr: Box 339, PG: L9Y
2N7. SCH: 0500-0006
1410
WIZM-WI Addr: Box 1262
1420
*CP-VA Amherst, 24521. PWR:
D1 1000
1430
WENE-NY SCH: 0500-0100
1440
WBCM-MI SCH: 24 hrs SP:MM 0002-
0500
WOHN-VA Addr: Box 666
CFGO-ON SCH: 24 hrs NSP
1450
KSIG-LA SCH: 0630-0105
1460
KROW-OR Net: N
WCMB-PA SCH: 0500-0000
1470
*WFSR-KY Call for Harlan CP.
1480
KLMS-NE Addr: Box 81804
1490
KIIQ-CO Net: Ai
1520
WANR-OH SCH: 24 hrs SP:Sun
0115-0536
1530
WOBR-NC Addr: Box 158
WPWC-VA Addr: Box 172, Quantico
Zip: 22134
1540
KZRK-AR Zip: 72949
WKYW-NC Net: UPI
KRKV-TX ex KBUY
1550
WOKJ-MS SCH: 24 hrs SP:MM 0105-
1560
KPMC-CA SCH: 0855-0430
1570
KHNY-CA ex KACE
1590
WQQW-CT SCH: 0600-0105(2355 Su)
WRXB-FL ex WILZ
1600
KEWS-TX ex KCFH

Contributors: Bob Foxworth and
Wayne Heinen

CKNX RADIO
dial 920

WINGHAM ONTARIO 357-1310

musings of the members

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

RONALD F. SCHATZ - Box 592814 - Miami, Florida - 33159

Howdy! The big news down here, of course, is WFUN's new format. You might call it "modern", ranging from the "softer" rock selections to "semi-beautiful", like a cross between WGBS-710 & WVCG-1080. Sister station is WLYF-101.5 ("Life"). I also managed to pick up CHML-900 at about 8:30 in the evening 3/19, a reception possible down here only on the LSCA, since the channel is loaded with CMJV & other junk. Antilles-930 is calling itself such things as "The Caribbean Powerhouse" & "The Big R.A." They changed their directional pattern & they are now clear here all evening. They even have commercials on this station owned by the Deutsche Welle. Remember Bill Coppage, the blind DXer from Homestead who attended the 1972 Coral Gables Convention? He's now CE at WQDI-1430, & he's itching to TEST for the NRC, so stand by for a CPC TEST there quite soon. We got about 80 reception reports for the R. Millon-625 TEST of 3/8 from the U.S.A. & Canada, & I am still awaiting the ones from San Jose to be forwarded here. Many reports were good; many more were terrible. The average report overlaid proof of reception & hardly mentioned the signal at all. As a description of the signal - (strength, static, modulation, fading, readability, etc.) is the only thing that really interests the station these days, a report not primarily devoted to it does the station no favour in return for the favour of a QSL. At least HALF of any reception reports should be devoted to describing the signal & the only objective way of doing this is to give comparative S-meter or decibel readings with other stations of same or similar strength, power, location, and/or distance. Get the message? I noted "Radiodifusora Nacional de Colombia" on 549k //-680 3/19 in the evening. More later. 73. (Ron told me mine was one of the BEST reports he received - thanks, Ron! -ERC) (Brag, brag -ERC).

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

506-386-6134. Hi all! I finally have some DX to report. I spent six hours out in the car last night & this morning. The car radio is the only decent one in the household, so I had to move all my gear (including lights & heater) out in the car. Now for DX. I added 12 new ones to bring my total to 257 heard & 73 verified. Heard were: HJAH @ 12:41am EST w/frequent IDs & female saying "Atlantico" after every three songs. WWSW-970 w/strong signal @ about 1. CMCA-830 @ 1:15 w/no positive ID but is only receivable station up here (for the benefit of those "positive verie sticklers") I won't count it, hi. WXYZ-1270 @ 1:39 w/Tom Ryan, announcer. YVKS-750 w/excellent signal @ 2:18 w/rr & man saying "R. Caracas". HJKH-770 w/WABC off @ 2:21 w/three chimes, then may saying "R. Tequendama". KNX-1070 (surprise!) @ 2:45 w/end of CBS NX & beginning sports w/L.A. Lakers BKB first announced. At 2:53, I heard an interview w/L.A. County D.A. (female) & a spot for a company in Fort Worth, & also mention of "Alert." WOHO-1470 @ 3:15 w/phone # given as 242-WOHO. Unn XERPM-660 @ 4:45 o/low rumble. WAPE-690 w/phone # given as 733-6010 for some ad, @ 3:50. KBOI-670 tentative @ 4 w/"This is --- radio news, I'm ----." At first I was sure I heard KBOI but about ten minutes later I heard WMAQ fading in. HIAT-650 on top w/phone call to female @ 4:09am. That's about it & all of the DX for now. Recent veries include WUNR, KOAM, WHEB, WAAB. Canada plans to hike up postal rates to U.S. to 10%. I guess we can't escape it up here either. 73, good DX to all, and fardiliarsnort. (Is that "Canadian" for "Rotsa Ruck?" - ERC)

THE NEXT ISSUE IS IN THREE WEEKS. PROVINCETOWN DEADLINE FOR MUSINGS & VERIE SIGNERS IS THURSDAY, APRIL 23rd - THEN MAY 13th. DOUBLE SPACE! PLEASE REPORT IN A.M. & P.M., E.L.T. GIVE DATES, TIMES OF CATCHES!

CURTIS D. ENGBERG - 80 Concord Road - Wayland, Massachusetts - 01778

2/15 - Low band TAs in fair' 737, 728 & 719 w/fair audio. 719 sounded like GG @ 7:05pm, & cut suddenly @ 7:07, hot gone too. At 10:30pm a very strong SS noted on 757. Noted again @ 11:07 the following night. Lots of LAs in good. 2/22- NN spirituals coming through the static on 1607 @ 11:45pm, noted again on 2/24 @ 10:30 when 1600-AM & 101-FM ID was given, but I didn't get the call. Just after midnight 2/23, Monaco-1466 was excellent. Several TAs in weakly, the best of the low banders was RNE-773 which was easily seperable from LA mx on 775. Later that eve 638 made a rare but poor appearance here @ 5:35pm. Andorra-818 was excellent @ 5:55, but he soon started to fade & was then swamped out by the Moroccan. 2/28- Dakar-746 was excellent & a good UNID talker on 827 @ 6pm. 3/2- At 8:13pm the GG on 1602 was excellent & the best I have ever heard, perhaps on for pre-Lenten celebration, //-1586, but much stronger. Vatican-1529 also was there & a trace of 1525, but not much lower down. 3/6- I caught some domestic s/off's which is getting to be rare for me, hi. At 6:15pm WOB-1530 in the clear w/SSB. Then a minute later WCHE-1520 s/off w/no SSB. 3/7- At 8:10pm ZIZ-555 very strong, so I checked 595 which had good to excellent signals w/EE mx folo by a religious interview @ 8:22pm. I decided to switch to my NC-125 which goes lower & found Grenada-535 in very well w/woman announcer who gave TX in AST. Very good AA singing on 529 as well. The new high power Costa Rican was already testing on 625 @ 8:30pm. He was stronger than than he appeared about ten minutes before his supposed TEST @ 1 the next morning. 3/8- I checked 850 @ 12:05am & found WHDH already off, just in time to catch the 12:07 s/off of WJW w/SSB. 3/10- At 11:35pm Nice-1554 was as strong as I've ever heard, but nothing else around except some mx on 1412 that was too hard to separate from WPOP to ID. 3/15- WAFI-1560 was not heard, just the Cuban, but I tuned down to 1530 @ 2:40 just in time to hear the ID of KFBK "at 20 minutes to midnight." On the low end, WETE-620 was noted well o/WSUN @ 2:50AM.

JEFF COHEN - 68 Summer Avenue - Stoughton, Massachusetts - 02072

Hi DXers everywhere! It's really good to be part of it all. I am 16, & keep in mind I am using only a Masterworks portable & the ferrite coil within. Now for some of my recent receptions: WHDH Boston may s/off @ 11:30, but they are still NSP to me as they throw an OC from s/off to s/on, no breaks, which made it hard but not impossible to get KOA on 3/15 last MM. Some other clears I have recently gotten: KFI u/CMQ, HJCY-810 Colombia, HILR-860 Dominican Republic, YVKS-750 Caracas, YVLT-830 Venezuela, & I too have logged R. Uno on 660, I assume it's XERPM. Also XEQR is an easy catch on MM w/WBZ off. Some new domestics: CKVM Que. lkw, CFLS Que. 250w, CBT Mfld., CFRA & CKCY Ont., CFCY & CHTN P.E.I., CFCF Que., WENY N.Y., WSEW, WBAX, WKBO all Pa., WPDQ Fla. WBKC O. (thanks for the note on this one) WKID Fla. a good catch. I heard a station on 810 that gave WX for Fla., the Keys, & all of the Bahamas. The only possibility I see is WKVM San Juan. Any ideas? (Yes, ZNS3, Bahamas, Jeff, a relatively new one -ERC) WFLI Tenn. on a lkw f/c. Also I logged WFTN N.H., WAFI Ky., WKEX Va. all on TESTS thanks to DX NEWS listings. Total logged 288, 77 QSLs, 49 tapes. 73s & Bye! (Hi, Jeff, and welcome to the NRC & Musings! We hope you'll join the regular Musings Sender-Inners! - ERC)

RAY ARRUDA - Shoreway Acres Motel - Falmouth, Massachusetts - 02540

While watching the movie "Buster and Billie" on TV the other night I noticed at the end, a list of characters included a person by the name of Mark Pendergraft. The movie took place in & around Statesboro, Ga. & I was wondering if Mark is any relation to Scott Pendergraft of WWNS-1240 who recently ran a very good DX TEST for us. Paul Mount: Re your possible reception of WBRW-1176-TEST, I'm sure we both had them because I also taped a small portion of that TEST, from 2:20-2:30am. After playing the tape for others & for myself over 'over, they did throw an ID as the call letters & the town of Somerville were the only voice items heard around 2:20-2:21. Listen carefully to your recording & see if it doesn't match up. DX from home MM 3/22: All times A.M.: I woke up to tune to WHUM-1240-TEST mixing w/WBAX w/ascending & varying tones & IDs in

FACILITIES:

680 WCAW WV CP extension to 7-28-76 to get U4 50000 250 on.
 940 WPCP MS CP extension to 5-30-76 to get U4 50000 250 on.
 1110 WZAM VA CP extension to 5-2-76 to get station on the air.
 1130 WDGY MN CP extension to 7-1-76 to get U4 50000 50000 on.
 1240 KOKL OK CP to make changes in ANT system for addition of FM Antenna.
 1320 WEET VA CP extension to 8-6-76 to get D3 5000 on the air.
 1350 WDCF FL CP to move studios and XR to 2100 Hwy. 301 South, Dade City.
 1420 WTCR KY CP to change ANT system, decrease height to 302'
 1600 WPOM FL CP extension to 8-17-76 to get U3 1000 1000 on.

editor: Norm Maguire

2877 Kalakaua Ave. Apt. 703
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foreign dx achievements

DXer	Location	Countries	T.V.	For.	Asia	Best
H. Wilkinson	California	69	VAC	388	364	93 R. Sakhalinsk 973
G. Allen*	California	60	VAC	2843	530	70 R. Sakhalin 973 20k
D. Reynolds	California	79	VAC	1354	472	58 Sabah, Malaysia 1475
N. Maguire	Hawaii	56	VAC	2857	409	38 JOOC 880 500w
C. Freeman*	California	63	VAC	1518	360	30 VOA-1140 Luzon, P.I.
H. Gustafson	Illinois	100	VAC	842	296	13 Haifa, Israel 1025 500w
W. Powis	New Zealand	20		242	181	13 FEN-Japan 1490 10kw
B. Dangerfield	Pennsylvania	115	VAC	417	340	7 Pyongyang, N.Korea 655
R. Anderson*	Virginia	102	VAC	1444	510	4 Damascus 786 10kw
H. Robie	Massachusetts	89		262	147	4 Aleppo, Syria 746
R. Schiller	Florida	84		1851	339	3 Lebanon 836
E. Wesolowski	Nebraska	24		1786	156	1 R. Peking 1040
B. Karchevski	California	8		204	29	1 JOUB 770
A. Imprescia	New York	67		1286	93	--
A. Rugg*	Quebec	60		1438	1245	--
B. Reynolds**	Missouri	28		1064	121	--
R. Sperry	Connecticut	42		1669	249	--
F. Wheeler	Pennsylvania	23		1685	188	--
M. Sorensen*	Manitoba	13		537	385	--
P. Mount**	New Jersey	3		178	15	--
D. Bartek	New York	?		23	?	--

Sorry to have dropped Ralph Sperry one place. VAC = Verified All Continents. Last issue, ## = Year started DXing. Those members with either (*) or (**), please update your totals or notify me if no changes. Had to drop two members this issue. Recent visitors were Walt Breville and Garry Hammond. Getting warmer, and DX starting to pick up here. No fun DXing outdoors when it is cold. Next issue will feature African totals. Good DXing and Aloha, *Norm*

(Arruda) in voice & code from 3-3:15. KSTP-1500 was in fairly well from 3:56-4:20 w/conclusion of Public Service program "Project Shelter" folo by rr w/frequent KSTP IDs between records. They also had spots for vacation trips to Disney World - no sign of WDEE. At 5 on 1600, back to back s, ons of WERC & WKEN, the latter w/ISSB. Reception report sent to WANR's Gary Siegel. I'll be sending f/ups to about a dozen stations in a month or so. The light is green for LOUISVILLE Have an enjoyable, safe Summer!

STAN MORSS - Route 3 - Bradford, Massachusetts - 01830

Bad news. WFEA was sold to Ocean Coast, owners of WPOR and WRDO - there goes 1370 & here comes another ANer no doubt. 3/11- A surprise - I heard c/w on 1060 @ 5:53pm & it turned out to be WBMB, West Branch, Mich. w/no sign of CJRP or KYW. A pop-golden-oldie type in EE u/ WBMB, but no ID. Ougodogow in on 1340 tonight also. 3/12- Dr. Pepper ad on 940 & WFNC Fayetteville @ 5:15pm. c/w on 1060 again, w/ads for Merle Norman Cosmetics of Holly Hill turned out to be WRMF, 5:47-6pm. At 6, WQWX Mebane N.C. w/one ID, not enough for a report, then WBMB West Branch in again. I will look again for WQWX before WGTR gets full time approval. MM 3/15- WKBW off & KOMA in the clear @ 2. XEMO-860 w/ID saying "listen to sister station KLRO-FM." No WAFI, just Cuban & KPMC on 1560 @ 2. WKEX -1430 Blacksburg Va. TT & IDs 3am u/WNJR/CKFH. TT on 1580 3:25, no IDs. 900 had a "Bishop Radio" @ 3:45 w/college info & rr, no ID in an hour except "Bishop Radio." Verie from all-NX WNBE-1440 Orlando, third verie from 1440 (WABR, WBJW, WNBE), Orlando area. 3/17- WJML coming in already by 5:40pm even before WHIM s/off. 790 had CFRD Dartmouth N.S. killing WEAN - maybe on 50kw? Heard @ 6:09pm & on, into pre-game show for Nova Scotia Voyageurs vs. Rochester American Hockey game. MM 3/22 - After a ten-hour day Sunday I just barely woke up for MM DX. 1:43, I had WHOO-990 TEST. CHTN-1190 on/off & very loud 1:50 & nothing heard during SPs. Then the station that made waking up worthwhile - KTWO-1030 Casper Wyo. 1:46am w/"The World Tomorrow" then local NX to 2am s/off - fabulous signal, and first new Wyoming in o/20 years. WBZ OC for 30 seconds three times distorted the signal - otherwise about as strong as WHO-1040. I looked on 1020 @ 2 hoping for KBCQ but KDKA OC so no chance. OC most of AM on 740 but no IDs on several stops. WCOA/WJLQ ID u/WSPD. If WZYQ-TEST was on a couple weeks back it must have been FM - or one watt down a well. Spring has sprung so Ernie will hit 4,000 first as DX for me will be limited to 5:30-6am when I wake up.

MIKE HARDESTER - Box 8174 - San Diego, California - 92102

3/19. A brief re-intro: I'm 26, just married this past 29th of February, & on active duty with the U.S. Navy as a Hospital Corpsman w/a speciality of Neuropsychiatry Technician. I've been active in DX since 1968 when I joined both IRCA & NRC shortly thereafter, & have since branched into various other areas of DXing due to crowded conditions. Assorted gear makes up the DX Shack here, & all are engraved/recorded so as to assist in recovery should a theft occur as did recently with Don Erickson. I'm really sorry to hear of your loss, Don! If all goes according to plan, I should be back intoa Navy School by the beginning to middle of the next DX season. Seems like every time a DX season shows up, I'm either in school or in the process of moving around. H'mm. Some time ago, I mentioned I was doing an article on TIS (Travelers Information Service) & had planned on a release date of this past January. My only problem was I placed too much trust in the FCC making a decision. To date, despite an inquiry every three or so weeks since mid-December, I have been unable to find out any more on the status of the TIS docket which all decides if the TIS concept goes into effect or is shelved. So, since the FCC isn't responding, I will. I'm starting on the TIS article, & am hopeful for submission to HQ by the middle of April at the latest.

DAN FLAK - 2451 Bonita Drive - Highland, California - 92346

T'staint so ERC - I am willing to bet a gold-plated, rhinestone studded kazoo that the W has almost as many ANers as the E. We do not have many stations, but what we do have are AN/NSP. We simply do not have many daytime stations out here in Cal. Whatever you log @ 2pm is likely

(Flak) to still be there clogging up the channel @ 2am. My Eastern experience was to log the local during the day, an SSS in the early evening, the regular DX catch at night, & the ANer after midnight or 2am or so. A review of my E log shows many frequencies w/five or more stations logged. My W log has five frequencies w/three stations logged. The clear channels have the local clear on them, or are blank during the day. The regionals are just as bad, & the graveyards worse. I will grant you that the Werner can get slightly more distance on the graveyards, but this amounts to maybe five or ten more stations. Basically, what you hear in the late evening is all you are going to hear. There are just enough stations to clog up the channels, but not enough "behind" to DX for. I would like to thank Mr. Wiseblood for supporting my position, & I would like to hear from some of you Easterners on the topic.

PETE KEMP - 13-B Fleetwood Avenue - Bethel, Connecticut - 06801

DXing recently has been uneventful. CX have made what was to be a great DX season turn out to be a bust. So I will use the next few lines to pass along some station programming info: WENS in Columbus is changing format & personnel for the third time in five years. This time out they will go MoR. In L.A., KRLA is planning to drop rr & go automated MoR; Chicago's WCFL is going the same route. WOOK in Washington has switched to a "high energy soul oldies" format according to their consultant Bill Parris. KASH in Eugene, Ore. is going NIS. WCKY, Cincinnati, has decided not to go through with its intentions on switching to c/w & will stay w/MoR. WELM in Elmira is switching from rr to EZ. WELM is also going to take over WLTV, an FMer. For you AN rr freaks Bob Cruz of WLCY in Tampa has taken over the graveyard shift on WABC replacing Jay Reynolds. WJBC & WBNQ have unveiled a newly devised system by which specially equipped AM or FM radios may be turned on & off by a radio station's air signal to program emergency WX info. This system was designed by Sentry Electronics. So much for now. 73.

SCOTT STRENTZSCH - 5206 Round Table - San Antonio, Texas - 78218

Spring is in the air in San Antonio, & Winter is just about gone completely. My last Muse was a long time ago, & I sent one in two weeks ago but I guess it got lost somewhere along the way, or else I'm just very impatient. Anyhow, DX is kind of slow here. I stayed up MM 3/1 till 7am & got a few loggings, plus a report on CRL-1165, Antigua. DX: 2/25- School holiday. 1:20- WCOV-1290, probable, heard was definite mention of Sparta Wis. plus a few partial IDs but not enough for a report so I didn't count. 2/29- UnID-900 couldn't be too far, signal was pretty good, station had fiddle type c/w, I think an ET but no IDs heard, off @ 4:17. WNAD-640 NOT heard, not on I guess. 1:57, unID-1020, R.---- National, SS, u/KGBS. 2:59, KGBS-1020 finally heard on AN, once was one of my most-wanted. They had Involvement Hour program. 3:08, KRYT-1530-TEST good w/rr, SIDs, ads, etc., ID on :15, had mention of NRC, etc. 5, CRL-1165, heard before, but this time is dominant Caribbean station way louder than Dominica or Paradise; taped & written report taken. As soon as I transfer the tape to Reel to Reel, I'll send it. 5:23- R. Paraiso-1160 to 1165, either on 1165 or just below, giving CRL trouble w/SS mx & talk, ID as R. Paraiso, I'm sure. Signal was S-8 for about a minute, then gone almost completely - HELP ME, PLEASE - only 1165 station listed is in Ecuador, 250w, so couldn't be them. Also that morn, WIBC-1070 ID heard, then gone, so no count. WVJS-1420 I think that's the call, in Tenn., & a few others. Reading through IDXD in #18 I see Costa-Rica-625 is now a megawatt, is that true? If so they will be EASY. Are they going to be EE or just SS, & will they be R. Omega? Also, St. Kitts is going to 200 kw. Oh well, who cares. I got word from John Sommer in Fort Wayne about KHLB-1340-TEST. I forgot to try & Mike listened but didn't hear them, maybe not on? My 150th verie was received on 2/21 in the form of a v/1 from WSWN-900 for ET. I'm now at 151 total veries, including eight foreign, plus R. Bahamas out right now. Almost over limit, so 73, C U soon.

AS THEY SAY IN SHREVEPORT, LA. "KBCL" (1220) "KENTUCKY'S BIGGEST CITY, LOUISVILLE," "WELCOMES U NRCERS IN." (AS THEY SAY IN MOBILE, WUNI-1410)

JOHN S. BOWKER - 202 Wehrenberg Hall - Valparaiso, Indiana - 46383

Lots of good stuff (?) so let's get to it. 3/5- 12:18 am, KDHL-920 Minn. w/SID; 12:23am, varying TT on 940, unnn KIOA presumed. Since the next two weeks were mid-semester breaks, lots of "all-location" DX. I took the Amtrak Lake Shore Ltd. each way, & logged 17 new stations including #1,400, WKAL-1450, N.Y. The only real surprise on the trip was WETE-620 in Knoxville, IDed @ midnight 3/5. While in Jersey, with nothing else to do, I did a little dial twisting & logged ET on WBKC, & WKEX-TEST. On the train coming back, I talked w/CE of WANR (NIS @ 1520, Toledo), & found out they are for sale again, their beam is WNW/ESE, very critical. 3/22- A good MM. I noted WCGL Fla. ET w/ID @ 11:30pm EST. I thought I was at 1340 (I have a well tuned RX, hi). Anyway, KSEK-TEST heard, but down in slop. I called the gpy, & he said he wanted to join the IRCA. I told him I didn't know how to, but I gave him the NRC HQ address. New member! A couple of veries trickled in, KOA for 1/28 logging, & KTGR on TEST, w/bumper sticker & CM. Veries sent: KSEK, WMT, WCGL, WIKZ (ET 2/22) Totals now at 1,408 logged, 48 veried, something over 1,000 taped, w/12 veries out there somewhere. Only 2,600 more, hi. C U N LOUISVILLE.

MICHAEL O'SHEA - 46 Garden Court - Buffalo, New York - 14226

Greetings from the Land of Weird WX! I'm trying to force myself to Muse regularly, so here goes. To those of you who were fortunate enough to hear about the 2/28 TEST of WXRL-1300, they were on, but they started @ 12:50am instead of midnight. Did anyone hear them? Another DX TEST arranged here was for WEVA-860 Emporia, Va. on 3/14 from 12 to 2 a.m. Luckily, this one got around via Flash Alert. It should make it around with the 1,000w but the SS pests will make trouble. DX here: 3/13- WETB-790 @ 12:30-12:45 w/varying TT - thanks go to Jim Hopkins. WMPM-1270 @ 1:45 from Smithfield, N.C. on ET w/c/w, bluegrass, & TT. Once again, two f/cs here are, second Tuesday, 12-12:15, WRAA-1330 Luray, Va., & first Friday after first Thursday, 1:30-1:45, WRTA Altoona Pa. I wrote this in as a DX TEST so more of you will try for them. If you'd like to call WRTA, their number is 814-943-6112. Number here is 716-836-1123 for anything, any time. Bye for now & 73s & as they say here in Buffalo, Winters can be Bad in New York. (WBNY).

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

The recent comments by Dan Flak & Steve Wiseblood on the plight of the WC DXer were interesting. However, the situation is not nearly so one-sided as they might have us believe. I will gladly grant them two points: 1) The EC (& to a similar extent, Midwest) DXer has many more stations close to him, & therefore can probably hear many more stations, centeris paribus (all things equal). 2) The WC has the smaller, & probably more difficult, Eastern states to shoot for. Even as far E as we are, Del, N.J., & the New England states except Mass. & Conn. are very difficult to hear. However, Mr. Wiseblood implies, or seems to, when referring to WFEA as "real DX" that it would be easy, or at least easier, FOR AN ECR to duplicate this 2,500 mile, 5kw logging. Well, you can't have your cake & eat it too! The same stations that allow the E DXer to get his 1,000 twice as fast effectively block hearing really exotic DX, for the most part, on regional or GY channels. Let's take an example using the "twice as many" theory. We have stations A & B in the E, & station C in the W. Now if I'm near B, I may not be able to hear A or C, & if B does go off, I still might not be able to hear C because of A. In the W, though, if C goes off, chances are, through varying CX plus the fact the stations likely are roughly equidistant to the DXer, both A & B could be heard. In other words, to hear all three in the E, two would have to go off, but in the W, only one. On the GYs, the possibilities are most obvious; there is almost no way all stations E of the Mississippi could go off, or enough so any very far W could be heard. But I can document loggings, even up to several years ago, of a certain Cal. DXer who heard both Tenn. & N.C. GYers. More on this next time. On a couple of UNIDS, John Sommer, your NIS on 1340 was probably WRIT, & Ernie, your "WCAX" on 1240 was possibly WTAX, Springfield, Ill. whom I'm almost sure is AN now, mebbe NSP. 73. (Thanks, Wayne, but turned out to be WBAX-ERC)

HARRY SCHOOLS - 1606 South Newkirk Street - Philadelphia, Penna. - 19145
 Greetings once again from the Bicentennial City. After reading Musings from previous editions of DX NEWS, I find something very interesting. In the 3/1 issue (#18), John R. Sally wrote about a Shel Swartz at WFTN-1240 who informed him that a Pa. DXer called the station during one of their MM TESTS. It could very well be me he's speaking of. I heard WFTN testing on MM 2/9 @ 1:40am & decided to give them a call. While I spoke with Chuck Morgan, WFTN's Production Director, he had me patched in over the air. When my verie was received eight days later, they said my report was the fourth from Pa. & the first from the Philly area. This was my first N.H. verie. The month of March has been a little bit better from the DXing viewpoint than expected. TESTS from WSYB-1380, WYVE-1280, & WKEX-1430 were copied w/no problem at all. Other newies this month include WVJ5-1420, WPEP-810 on their r/c, WOSU-820, WJW-850, WCPK-1600, & WLBK-1590 which was heard e/WAKR performing their "pre-license renewal PoP" as per their verie. Also heard was WTTI-1530 testing on MM 3/22 w/WCKY's OC. I have 47 reception reports out at the moment, but 75% of these are to our old friends - the reluctant verifiers. My state totals stand at 33 heard & 32 veried. The State of Pa. leads with 54 heard & 31 verified. My ever-all heard-to-verified percentage is 54.1% which is not too good. It should be up to around 80%. By the way, does DX NEWS list the various major league BB networks? I was wondering because the BB season is just around the corner. Remember: there is no excuse not to Muse. 73s. (We list BB networks - IF- somebody obtains them and sends them in, Harry! Can you get the Phillies' Net? -ERC)

DAVE SCHMIDT - 42 Chelwynne Road - Caste Hills - New Castle, Del. - 19720
 This report should just about put the cap on this season, a very interesting one indeed! On 3/21, a pretty bad storm with high winds hit & did quite a bit of damage to the noisy power lines in the area. Since then, there is a very little bit being noted just on the TV. I wish that would have happened about six months ago, hi! I have also managed to get my veries counted with the total now at 798, with the following additions: v/q- WVOY-1270, WGOW-1150. v/m- WTLB-1310. v/l- WHLM-550 (Pa. #108), WCVL-1550, WLIJ-1580. WGOW was for a report of 5/20/74, only three f/ups sent. To DX: 3/12- WVOY-1270 12:30-1:09am w/ET topping WXYZ nicely. I was glad to get that as I missed their TEST. 3/13- WBLU-1480 6:22-6:29pm w/c/w, then s/off. WYZE-1480 6:40-6:46pm w/mixed stuff, then s/off. Anyone have the correct address on him? The report was returned by P.O. saying "moved, no forwarding address." 3/15- I thought I had an ET from WATP-1430 1:15-1:32am w/rr, no IDs were given but intros to records, WK, & S.C. NX were, plus a mention of Georgetown was made, so I thought it was they but a letter back from the station said no deal. WKEX-1430 TEST was very east 2:58-3:10am w/TT & IDs every four minutes. Evidently Joe Durham, who did the WYVE & WQBX TESTS did the tape loop on that one also as he is good friends with their CE there. 3/18- WJZM-1400 f/c-TT 1:09-1:13 w/IDs every two minutes. 3/26- Really bad CX, so I bagged WQYK-1110 6:32-6:45pm w/c/w, no WBT. Has anyone seen any veries from WAYC yet? That should be all from this end for now. I'm planning on the annual f/up parade as I now have about 80 to work on so that should keep me busy this Summer. Thanks to all who helped with the CPC also. Some very fine TESTS were added this year. Have a good one! 73.

THOMAS R. SUNDSTROM - Box 205 - Willingboro, New Jersey - 08046
 Greetings. I just haven't been overly active in DX-ing this season although we have attempted most TESTS sked so far. Time seems to be short & I've not been reporting to Boyd or Merriman. It seems easier to call HQ w/the TEST results. I attempted the General test, & I failed the 13 wpm code, & so have an unconditional Technician, WB2AYA, on 2 meter FM since early March. Geoff Fox (WB2AFM) & I have been comparing notes on MM TESTS by tandem DXing through the Pine Hill 146.265/146.865 mhz repeater. I would expect Harry Schools, WB3NIS & newly licensed, to join us shortly. Despite just an omni-directional antenna, I can work the Green Brook, N.J. repeater (34/94), & the Souderton Pa. repeater (28/88) as well as the Philly area machines. Anyone want to set up skeds?

JOHN SOMMER - 1022 Catalina Avenue - Fort Wayne, Indiana - 46825
 The re-sked of the HLB-1340, Burnet, Tex. TEST will be postponed until Fall because of problems related to the total fire in their offices & XR which made it inconvenient for KHLB to TEST until Summer & since they were willing to wait until Winter - that's good. It seems that Fort Wayne will be getting two new FM stations: a high school w/a Class D (mighty ten watts) & Indiana-Purdue U. at Fort Wayne is thinking about getting a 3,000w Class A. Ivy Tech. in Fort Wayne used to have a carrier current station but I know nothing except the call is something like WIPR - as they don't answer letters. Changes: WBBT-1340 Ga., add Box 392, 0530-2200. Programming is Drake-Chenault Hit Parade. KAPA-1340 Wash., 0930 (1100)-2130 (1900) w/MoR. I am very happy to see Indiana DXers reporting in DX NEWS. Scott Simpson, Mike Suevers & I recently met two IRCAers in Ft. Wayne: Charley Keheler and Al O. - the latter is a DJ @ WGL-1250. At least for now I claim to be the latest person to be the last to hear GHTN-1190 (I generally have more QRN than most on this channel). DX is being muscled out by violin, school, & my newest hobby; politics, as I'm working for a candidate to the Indiana State Legislature, 14th District. The carrier current station in Ft. Wayne probably wouldn't be Scott Simpson's unID-1200 because it is a non-dermatology school, & no radio classes at 4am, MM.

MICHAEL HOGAN - 4811 Euclid Avenue - East Chicago, Indiana - 46312
 Greetings from NW Indiana DXland. It seems like DXing is starting to get a better hold of me now. After a really bad year in 1975 w/only 42 newies heard, I was already receiving my 32nd new one of the year a few days ago, w/13 for the month of March so far. Most of the stations have been logged due to better than usual SSS CX, favoring the Southern states. I must disagree with Ralph Walker's comments about the quality of the Radio Shack TRF in the 3/22 edition of DX NEWS. It has out-DXed many of better & more expensive receivers of mine. True the log scale leaves much to be desired as far as accurate frequency readouts go, but for the money what can one expect? I too have noticed the coupling that occurs between the TRF & my Space Magnet. This coupling occurs when the TRF sits directly upon the SM. The combination of the TRF & SM is excellent. As far as I'm concerned there is no DX season for me, because I DX all year 'round despite the very high number of T-stems at this location, some of my better catches have been during the Summer. 73s.

ERNIE J. WESOLOWSKI - 1416 Pasadena Avenue - Omaha, Nebraska - 68107
 Spring has sprung in the Midwest & this DXer is about to begin a new DX sprint by DXing during normal hours, as I switched to the day shift at Western Electric. Only three new catches in the last two weeks: 3/15 @ 2:42, I found KCMO off & CKJS-810 Winnipeg coming in at a 95% readable level. Then on the 16th, WKAU-1050 from Kaukauna, Wis. came in fairly well @ s/en @ 6:59. My last nighttime DX came from CFRY-920 on 3/24 from Portage la Prairie, Man. on RS @ 2am. I haven't heard this one since he changed frequency from 1570 w/ back over ten years ago. Something I wish to mention now is that the NRC should consider the following at the LOUISVILLE Convention. The Club & its members should consider a formal written complaint to the FCC, having them enforce their rules on Station IDs before & after every ET & ID every half hour during such TEST. The telephone numbers should be printed in DX NEWS of every FCC Monitoring Station where DXers could call them after midnight, thus reporting a station who has not IDed for over 30 minutes & have them triangulate & locate the station & enforce the ID rules, with fines if necessary. There is a growing number of ETers who do not ID. My thanks go to Skip Dabelstein & others who have arranged the many quality CPC TESTS this year. My late veries will appear in the v/s column. We'll see you in WHAS Primary coverage area ever Labor Day.

BOB FOXWORTH - G.P.O. - Box 2111 - New York, New York - 10001
 Only a few veries in recently, WRIB & KRYT TESTS (the latter heard with some difficulty) & v/l & CM from WFEA-1370 Manchester, N. H. that I managed to get through an ingenious method from a person who does not normally sign veries. (NOBODY at WFEA normally signs veries! -

(Fexworth) ERC) It involved a bit more work & expense than the average v/1 does, which counts out some of us from trying it, hi. Mark Connelly's 12/21 receptions were very interesting. I was hearing unusual things also that evening, such as CHSJ-1150 atop, very rare; WLBZ-620 Me. clear in WVNJ null w/NIS, CBNM-740 Nfld. clear u/CBL, etc. Also at 5:17pm that evening, I was hearing North Korea-2850 (though net as well as a week later) & many TAs. Nice to see that Mark capitalized on that good opening, too. I guess that everyone knows the info on WCPB by now, 100w, LW in South Brooklyn, etc. Several of us know the identity & address of the operator who will, likely, be treated lightly by the FCC. It is very interesting to note they were reported, in writing, as a pirate to the Commission before Christmas, yet the FCC did NOT move to find them until local residents in the high-rise apartment where the XR was located began complaining about interference to their TVs & stereos to the FCC's public interference complaint number! Well, so much for the myth about the FCC's hard-line policy of cracking down on pirates. And Wes, that carrier on 1620 is assigned to the "fixed, radiolocation" service I believe, but it is not LORAN - the LORAN-A service are the pulses you hear at 1900 & 1950K. Finally, in the latest issue of "73" magazine (P. 33, May 1976) there is a diagram for a voltage to frequency converter which can be used to convert S-meter readings to a varying audio tone, allowing recording on mag tape of a signal strength, possibly in lieu of a strip chart recorder. This would be useful in long-term surveys of signal strength, etc. A Florida outfit is marketing a digital dial like the Digidex we reviewed here recently, except this one appears to be more versatile (though more expensive). We've sent for full details - if they're forthcoming we'll have a summary here in DX NEWS & same will be sent to NASWA. (This was mailed Mon. Mar. 29, via special delivery, & received Tue. 3/30) @ 9:30am

ARNIM LITTEK - Box 771 - Port Elgin, Ontario - NOH 2G0

One of the silent majority comes out of his cocoon. I am celebrating my first anniversary in NRC w/my first Muse. I am 18, & a senior, in Grade 13 (bet you Americans never heard of that!). I've been DXing on & off for two years, & pretty seriously for the last three-four months. Totals have jumped from 220 to 350 since December. RX is a HiFi radio w/great sensitivity, terrible selectivity, & a TRF, which I find has great selectivity, & poor sensitivity. (This must disagree w/a few opinions, huh? DX 3/14-15: WHND w/local CFOS, WAIT, KWNT, WVON, KCJB, WCLS, KIOA, CHTN, KCRG, KNBR, WMPB, WPTF, KKAA. Verie Fairy is not very generous with me, only WFBC, CKBW, CHNS, CHTN (for tenth province), KPMC, Belize-834 in. Belize is still my only split from anywhere. One last item: is there a Nicaraguan on 660a? I got an ID on MM 3/15 w/mention of Nicaragua, no other countries mentioned. So much from Port Elgin. 73s. (Welcome to Musings, Arnim, & we hope you'll Muse regularly and give us your DX data by dates, times, and frequencies - ERC)

CLIFFORD BARNES - 4506 Maple - Bellaire, Texas - 77401

More reports have been sent out & more veries have been received. Since I last Mused, I have sent out reports to: WSM, WJR, WHO, WBAP, WSMB, WLS, KVOO, KEEL, WLW, KELI, & KHOW. I have received v/qs from WKY, WCCO, WHO, WJR, & WSM; v/fs from WMAQ & WGN, & v/ls from KEEL & WSMB. I am still trying to make my first report to an LA; any tips from more experienced members on how to handle the language? My thanks to Mr. Cooper for informing me of the information provided by the NRC Domestic Log - I believe I'll order one right away. Maybe it'll even be better than the Vane Jones I'm using now. On the foreign front, I'm still trying to fulfill my dream of picking up Ecuador; it's conceivably possible, since DXers further N of me have done it. I'm still waiting for the 1976 editon of WRTVH to arrive at my local electronics HQ. Since other members of the NRC have already received theirs, it shouldn't be too much longer. 73s to all.

WE HAVE RECEIVED RECENTLY HERE IN PROVINCETOWN SOME CASSETTE TAPES FROM NRC MEMBERS. PLEASE DO NOT SEND LETTERS AND/OR MUSINGS ON TAPE AS WE DO NOT HAVE A TAPE PLAYER AMONG OUR DX EQUIPMENT SO WE CANNOT TELL WHAT IS ON THEM! LETTERS ARE ALWAYS VERY WELCOME ALONG WITH YOUR MUSINGS. -ERC

YNGVE MATTSSON - Tansjävär S-950 60 - Överkalix, Sweden

Hi again, NRC friends! First many thanks to Robert Gontar, Mass. & to Elliot Straus, N.J. for interesting info about Collins R-392/URR RX. I'll try to find time some day to drop some lines in a letter to you guys. OK? Also many thanks to Charles Hutton, Ga., for great & very kind help w/several UNIDs I had on tape. I am really very grateful for your help. Well, here up at the Arctic Circle the Spring is slowly coming. Of course it's still rather cold & a lot of snow but the days are longer & longer, with soon daylight 24 hours a day. The "Midnight Sun" you know! In June for instance the sun over horizon also 12 midnight up here, & then long-distance MW reception is not possible. From the first weeks in April to sometime in September the MW is almost dead here. If then, by our experts, expected good NA CX now around 3/25 not come the season is probably over for NA & Asia DX. This season '75-'76 was very good sometimes in Oct., Nov. Dec. & Jan. Excellent NA CX many days, but now since 1/30 I have not heard any NA or Asian on MW. Probably many years since we had such a long very bad listening period in middle of Winter. Someone in the Musings also mentioned that Asia this season also in U.S. had been very bad. Here in Sweden only a couple of Japan-Korea-Philippines loggings early in Oct. '75. With this period with that bad CX very few reports out the last month. After great help from Charles Hutton WHOT-1330 IDed. 1/9-7:20pm, so I did write to Jerry Starr & enclosed a tape. If my tape is clear enough to prove it really was WHOT I heard this is probably one of my best catches ever from NA on MW. WHOT possibly heard very few times before here in N. Europe. Listening to "old" tapes, I also sent report out to CKOT-1510 (very nice catch here, too), CKSB-1050, CJCR-1350, & KFQD-750. More next issue.

PAT HARTLAGE - 9200 Wendell Way - LOUISVILLE, Kentucky - 40299

3/25. Recent additions to my log include KWKY-1150 on 2/16 @ 1:33am testing. Same AM, YVMV-1150 @ 1:43, & WBEU-960 @ 2:40 on ET were added. 2/18 brought WHII-1570 @ s/off 6:45pm. The WEWO-1080-TEST on 2/23 @ 3:39am was the only new station heard that AM. Frequent Guatemala mentions & a R. Occidental ID was heard 3/2 @ 10:10pm on 620k. The WRTV lists TGPQ, San Cristobal on that frequency. 3/8 brought the R. Million TEST which was audible on all four radios in my house. They obliterated 620 & 630. Same AM @ 2:31, WTCB-990-ET heard, as was the TEST of WYVE-1280. WYVE had lots of competition here when heard @ 3:01. A few minutes later WROA-1390 was logged on their RS. WAJF-1480 added 3/11 PM also on RS. C/w was format heard 3/13 @ 6:45am on WAJR-1440. 3/14 WEVA-860-TEST heard @ 1:02am. That evening WYLO-540 heard surprisingly well for 250w @ 7pm, s/off. Their format is polka/dance mx. 3/21 - I finally heard KXEN-1010 w/religious program @ 7:12pm. MM 3/22 brought four new stations: KBCQ-1020 @ 12:35 w/local NX, WX, Sports, solo by "Hour of Decision," & good audio u.KDKA OC. Also good audio on KSEK-1340-TEST @ 1:38. KREX-1100 s/off @ 2:10 following tune "America the Beautiful." Lastly, CJTR-1440 heard @ 2:23 same morning. The LADS hope the LOUISVILLE Convention will be the largest & best yet! Plan early to attend. Anybody have v/s for KTUF-1580? C U N whatever. 73. (My October '75 v/1 was signed by Elliott K. Klein, DoE -ERC)

JEFF H. ROSS - 2505 East 65th Street - Brooklyn, New York - 11234

Greetings everyone. Not too much is doing DX-wise these days - between getting married & moving to this address there hasn't been too much time, hi. In any event, on 2/2 @ 11:22am I noted a station on 640 w/an ad for the Clubhouse - and Snowshop, which carries cigarettes, cigars, pipe tobacco, etc. This was folo by the call (which I missed), mention of "88 FM" & N.Y.C. Are there any carrier current stations in the NYC area on this frequency? 3/7- WQPD-1430 very briefly in WNJR null @ 7:45pm mentioning partly cloudy & 72°. Also a beautiful log taken on ZI -555 @ 7:58 tune-in. I've never before heard them w/such clear audio. 3/17- WTTT-1430 very strong in WNJR null @ 5:22pm w/talk about clover & shamrocks. 3/27- Monte-Carlo-1466 in w/fair audio @ 5:51pm. I had a station on 1304 @ 5:52, but couldn't pull out any audio - any ideas? And, lastly, unID-854.5 @ 7:49 playing Elton John. V/1: WKST, XEMO. (Congrats Jeff! And it's good to see BROOKLYN back in the Musings Section! -ERC)

& NNIS. 1:08am, KATZ-1600 Mo. local-like w/soul. 2:14, WEMP-1250 Wis. on e/ET & TT. 2:59, WKEX--1430 Va. on NRC TEST w/TT. That's it for now.

JEFF KOSNETT - 1410 Chicago Avenue #205 - Evanston, Illinois - 60201
 ERC: Re the bottom of P. 13 of DX NEWS #20, WNMP has been extinct for TWO YEARS! It has been WLT D since it went to replays of old radio shows. Now it's EL mx - but it's not WNMP. But, thanks anyway for plugging dear old Evanston! (My face she is Wredd! -ERC)

R. BILL PASCHKE - 514B Portland (rear) - Beloit, Wisconsin - 53511
 This is to inform you I have quit the World of DX & am selling out. I can no longer afford to DX w/my meagre income of Disability Pension. I also no longer will handle Mini-Photo Stamp Sales as it is not profitable enough. I have sent communication to NRC to cancel my free membership. I also thanked them for the past. All my best and continued good DX. 73s. (The best to you too, Bill! -ERC)

MIKE HARDESTER - Box 8174 - San Diego, California - 92102
 The article on the Traveler's Information Service (TIS) has been completed & sent in. When published, comments will be welcome. The recent mentions of attacks on the poor service by the U.S. Postal Service, are, I feel, not justified: just because I have received - so far in 1976, one DX NEWS, & TWO DX Monitors more than a month after postmarked (the 1/31/75 DX Monitor, with same day postmark arrived 3/26) via First Class Mail. Further, two letters to U.S. radio stations have been returned as "Not deliverable as addressed - unable to forward". The problem was an apparent incorrect Zip Code - so why use Zip Code then? So, I support the U.S.P.S. - for retirement! Let's bring the Pony Express back! On my recent honeymoon of which part was spent in Texas, I noted numerous cars with various bumper stickers from radio stations. So many in fact, 17 different stations were contacted for same. Must be the bumper sticker capital of the world! All for now & best of DX. 73.

LADS PLAN GET-TOGETHER ON SATURDAY APRIL 17
 This is hot info, received via a phone call from BOB WALKER of Westport, Kentucky. This will be at the home of GARY ATKINS, 2200 West Burnett Avenue, LOUISVILLE, phone 502-776-4341. All are invited!

ERNEST R. COOPER - 5 Anthony Street - Provincetown, Mass. - 02657
 The verie count is up to 3,974 with the verie fairy bringing me four in this fort-night: WIOO-1000, WSCP-1070 (Thanks, Ken!) R. Millon-625-TEST (Thanks, Ron!) & WBZA-1410, v/1-CM. The latter has a new CE who is friendly - see P. 2, Special CPC TESTS! Sat. 3/20- FFCs topping 1340-1420-1450-1370-1580-1250-1230! CBJ on late w/hockey on CBC FF net (1580). UnID TT-1070 1:40 & on, And, a newie on 790, w/WNEAN off in CFDR, Dartmouth, N.S., MoR, Tony Beach Show, 2:00-2:15 on top. SM 3/21- 12:01:30, on 110 after WBT's official s/off came this "Kaa-22, micro-wave relay, serving WBT in Charlotte, N.C." U/their OC came CBD till 12:15 s/off, then another KAA-22 ID - what's that - can it count as a BCB verie? TTs on 1510 & 1580 around 1, no IDs noted, & CKMG-490 in/out but not loggable @ 1:55am. Unn WJNC-1240 s/off @ 2:05. R. Mia-1110 was playing some U.S. stuff like "Swingin' Safari" & "All My Love" 2:10-2:30. MM 3/22- Tter-1070 @ 1:10 o/WIBC. In 1:49, WOHO-1470 atop. Ditto CJCB-1270 @ 2:16, & CHVD-1230 @ 2:18. TTs on 1090 & 1530 1:57-2:24 & on. Ah, good news - WCFL-1000 is silent this MM. WTRX-1330 atop @ 2:49. "Columbus" on 1460 @ 3:16, either WPNX or WBNS, both unn. A TT o/WDRG-1360 @ 3:15 off. 3/23- On 1546, weakie w/rr leading into five seconds of TX pips into lam, then NX in EE accent, but too weak to ID - they, not me. A Tter on 1290 to 1:30. Unn Titania-825 very strong today @ 1:37. 3/24- Whilst checking to see if CIGO-1410 is on after midnight, and they were, came, out of the blue of the night "This is WBZA, in Glens Falls, on ET." And, another "little boy playing radio station" on 1625a @ 1:19, sounded like WPRP for a call. 3/25- Nothing new; toppers were WNOX-990, WUSS-1490 WNCT-1070 & WOKJ-1550 1:45-2:45. Then DT-1450 3-3:15, coulda been WSMG on r/c. 3/26- TIW-775 s/off @ 1:01, rr. R. Universal-1080 AN o/WTIC.

M O T H B A L L M E M O R I E S
 CHAPTER XXII - "The WMCA Story" - rephrased and condensed by Ernie Cooper from a "Variety" article submitted by NRCer Glenn Hauser.
 WMCA-570 was founded on Feb. 22, 1925, by Donald Flamm, in the fashionable McAlpin Hotel in New York City. At first, their studios and offices were scattered about the hotel, and their first control room was a previous men's room! A large glass panel wall seperated the main studio from the audience, viewing the goings-on in the broadcasting room. In those days, stations were actually built by their chief engineers, & a crew of youngsters in their teens. This was the case with WMCA. Their XR was located in Hoboken, across the Hudson River, and was the tower originally used to transmit the historic Dempsey-Carpentier prize fight, in 1921 over long-gone WJY. On their opening night dedicatory program, such luminous stars as Harry Herschfield, Graham McNamee (WEAF's #1 announcer), Alfred McCosker of WOR, Daily Pasknan of WGBS (now WINS) and Major J. Andrew White. Mr. Herschfield was to become drama critic for WMCA shortly thereafter & he started his own commentary on the station, known by the name of his later famous newspaper column, "One Man's Opinion." After that, Mr. Flamm took over the drama critic role and interviewed such stars of the Broadway and Yiddish Theatre as George M. Cohan, William Morris, Eddie Cantor, Maurice Chevalier, and New York's colorful mayor, Jimmy Walker. WMCA headed the first Eastern U.S. network, the Inter-City, and its first broadcast was the then renowned "Chinatown Mission" Sunday afternoon services from New York's Bowery, with the Rev. Tom Noonan presiding. There were no news services available in those days & WMCA got its stock market data via telephone from one of the Wall St. brokerage firms. Then by helping one of N.Y.C.'s papers in a charity drive, WMCA got informal permission from that paper to take its radio news from the daily publication, which in turn, helped sell more papers. WMCA pioneered the "roving reporter" field with two such persons (in 1935) - Franke Basch & Martin Starr. Then with the German war threat in Europe, WMCA again took a big forward step by engaging three commentators in Johannes Steel, Sydney Moseley, and Gabriel Heatter. Some of the people whose names adorn WMCA's "Hall of Fame" are the "bachelor poet" Norman V. Pearce, A. L. Alexander (who began the eminently popular "Good Will Court" program), one of radio's first "hearts and flowers" men, John J. Anthony (who solved personal problems over the air); Arthur Tracy, better known as "The Street Singer", Eileen Barton, "Baby Rose Marie", who today is well-known on TV as simply Rose Marie, but then a child star, Sam Taub, the fight announcer; Jack Fillman, one of the first radio announcers to cover live hockey matches from Madison Square Garden; Bert Le Bar, who did re-creations of major league baseball games from the studio; Nils T. Granlund (more commonly referred to as simply "N.T.G." a Broadway impresario; Dick Fishel, a sports commentator; Don Carney, better known for his children's program on which he was called "Uncle Don"; Will Osborn and his orchestra; Nick Kenny, the radio writer and poet, and one of the early c/w stars, Zeke Manners - and his gang. WMCA also claims to have been the first station either in the land or at least in the New York market, to broadcast popular music on a Sunday! Yes, even though unwritten, there were blue laws in those days pertaining to Sunday entertainment, and WMCA led the way towards breaking them down. Today, WMCA is a very popular outlet in the City, featuring phone-in shows with some very well-known mike personalities.

NEXT WEEK: ERC reminisces about some of his DXing experiences.

To Ernie Wesolowski: While your idea is interesting, it would undoubtedly turn even more stations against DX'ers, and into permanent non-verifiers.
 To Mike Hardester: Please complete last item on postal survey in this issue in re that month-delayed DX NEWS, and send it to HQ. All members w/similar problems are encouraged to do likewise.

To: ERC: Sorry about the one minor change back there, but.....
 To all who have commented about writings in the margins of Musing's, your collective point is well taken and the practise has been abolished as of last two issues. All subsequent issues will feature any necessary comments this format, space permitting.
 -HQ

1976 NRC LOUISVILLE CONVENTION REGISTRATION

Mail to: Wayne Murphy, 1411 Phyllis Avenue, Louisville KY 40215

PLEASE COMPLETE ALL ITEMS.

Name _____ Phone () _____

Street Address _____

City _____ State _____ ZIP _____

_____ I plan to attend the Convention. I will stay at the motel.
My room registration is below.

I will not need accommodations at the motel.

_____ I will / will not (circle one) take part in the buffet-banquet.

_____ I will arrive by _____ at _____
(transportation) (date, time, flight number, etc.)

_____ I am interested in carpooling. I (circle one) will drive and can
take _____ passengers. I need transportation.

Departure Date _____

HOLIDAY INN SOUTHEAST - LOUISVILLE, KENTUCKY

ROOM PRE-REGISTRATION, NATIONAL RADIO CLUB CONVENTION, SEPT. 3-6, 1976

Name(s) _____

Street _____

City _____ State _____ Zip _____

Room preference: Single - \$15 per day
 Twin or Double - \$20.50 per day
(\$10.25 per person per day)
 Triple - \$22.50 per day
(\$7.50 per person per day)

Above rates plus tax. Prices are subject to change.

This survey is being conducted in order to determine whether or not there has been any change in mail service in the past 9 months over the same period in 1974-75. If you have joined since January of 1975 you may feel free to disregard this form. For those of you who have been members for at least that long, we ask you to take a minute or two to complete the answers to the questions listed here, cut this page off of your DX NEWS and mail it back to us at HQ. You needn't even fill in your name as your address label is on the reverse side of this page. Should you desire to xerox this page, however, we would appreciate having your name. The results of this survey will be passed on to our Congresspersons and also to numerous Postal officials with whom we have been in contact over the past several months.

1. Prior to October 1975, did you receive DX NEWS by First Class () or by Air Mail (). (check one)
2. On what day of the week did you USUALLY receive your DX NEWS ? _____
3. On what day of the week do you USUALLY receive your DX NEWS now ? _____
4. Have you, within the past 18 months had occasion to ask HQ to replace any bulletins or items ordered which were shipped by us ? _____
State any appropriate details below:
5. Are there any other members in your IMMEDIATE area who receive DX NEWS on a different day of the week USUALLY than you do ? _____ Who? _____
6. If you wish to add any other information relevant to this survey, please do!

FIRST CLASS