

dx news

the magazine of the National Radio Club



VOLUME 42

28 OCTOBER 1974

NUMBER 3



Never insult an alligator
until after you've crossed
the river. (Alphonso Bedoya-
Toledo Convention, 1974)



ON THE INSIDE.....

- 1974 Toledo Convention Report - Gary Siegel, et al
- Clipping Corner - Various
- Index to Volume 41 - HQ
- News on Thanksgiving Get-Togethers - NJPC & IRCA SDPC
- Verie Signers - ERC

NEW MEMBERS

- * Dr. Robert Mendelsohn, 46 Schenck Ave., Great Neck, NY 11021
- * Gordon P. Hungerford, 64 Creek Dr., Palmyra, NY 14522
John J. Long, 14 Linda Dr., Woolcott, CT 06716 (re-joins)
- * Thomas M. Cagley, Jr., N-364 Hillcrest, Iowa City, IA 52242
- * Donna Anderson, P.O. Box 6, Storrs, CT 06268

Welcome to the NRC, folks. We hope you'll soon be hearing from one of our members in your area to welcome you to the fold individually. In the meantime, how about send a musing to ERC to introduce yourselves to us all ...

RENEWALS

D. Gleason, R. Hansen, D. Jarrett, W. Feidt, I. Eaves, W. Childers, T. Greenhill, R. Dildine, A. Gibley, J. Critchett, W. Fait, C. Cook, L. Kruse, J. MacDonald, D. McMurray, F. Dailey, R. Stonier, R. Edmunds, P. Taylor, J. Sampson, W. Boyd, J. Starr, E. Cooper, A. Merriman, D. Jensen.

NOTES &c FROM NJPC

We can only second ERC's comments this week in the Musings section. Ernie has selflessly edited this column for some 30 years now, and we all owe him the courtesy and consideration to DOUBLE SPACE our Musings. We back his decision not to run single-spaced Musings from here on in 100%. We ask all members to please co-operate.

Our attention is called to our recent write-up on the K3CHP DX QSL GUIDE, authored by member Joe Mikuckis. Several members have written to tell us that this guide is oriented very strongly toward ham use, not to SWL or BCB DX'ing, as the phrases translated therein do not cover many essential terms for a good reception report, so please act accordingly.....

From Radio Nederland comes word that the longtime host of the DX Juke Box programme, Hans van Gelder, is stepping down due to reasons of health. His successor will be Dick Speekman, who is a Dutch national just returned from 12 years in Australia. We wish both the new and retiring hosts the best of luck.

Alan Merriman
P. O. Box 8
Fairfax, Va. 22030

international dx digest

02

C. P. C. TEST SCHEDULE

WEDNESDAY	OCT. 28	0000-0045	* WOOD-1h00 * Pleasantville, NJ 1k/250 U NRCB*
		0200-	* KHYM-1060 * Gilmer, TX 5000 D NRC/IRCA
		0308-0500	* KJHO-1560 * Hoquiam, WA 1000 D NRC/IRCA
MONDAY	NOV. 04	0300-0330	* WLCR- 730 * Thomasville, GA 5000 D NRC
		0330-0400	* KHUB-13h0 * Fremont, NE 500/250 U NRC
SATURDAY	NOV. 09	0205-	* WTAW-1150 * College Stn., TX 1000 D NRC
MONDAY	NOV. 11	0205-	* WTAW-1150 * College Stn., TX 1000 D NRC
		0230-0330	* KDLT- 540 * Delta, UT 1k/10 D NRC
		0300-0330	* WYMN-15h0 * Hartford, WI 500 D NRC
		0300-0330	* WWSJ-1950 * Morris, IL 250 D NRC
FRIDAY	15	0000-0100	* WERA-1590 * Plainfield, NJ 500 D NRC
MONDAY	18	0100-04h0	* KTLX-1280 * Denver, CO 5k/1k/250 IRCA
MONDAY	18	0300-0330	* KQMD- 990 * Monett, MO 250 D NRC
		0500-	* KQJL-1550 * Arvada, CO 10000 D NRC
MONDAY	25	0200-0300	* KPOD- 850 * Clayton, MO 5000 U NRC
MONDAY	DEC. 02	0200-0230	* KNEI-1h90 * Brady, TX 1000/250 U NRC
TUESDAY	03	0645-	* KQME-1h60 * Honda, TX 500 D NRC
FRIDAY	06	0000-	* KQJL-1310 * Asbury Park, NJ 1000/250 U NRC
MONDAY	16	0300-	* WELT-1520 * Ocean City, NJ 1000 D NRC
MONDAY	23	0500-0600	* KAFY- 550 * Bakersfield, CA 1000 U NRC
		0400-0500	* KCSO- 570 * Alturas, CA 5000 D NRC
MONDAY	JAN. 06	0200-0400	* WIMS-1h20 * Michigan City, IN 5000 D NRC
		0200-0550	* WAGE- 730 * Chicopee, MA 5000 D NRC
		0300-	* WAAB-1h40 * Worcester, MA 5000 U NRC
		0100-	* WMLD-1570 * Beverly, MA 500 D NRC
WEDNESDAY	20	0130-0200	* WFAH-1h70 * Farrell, PA 1000/500 U NRC
MONDAY	FEB. 10	0100-0200	* WHIL-1h00 * Galesburg, IL 1000/250 U NRC

DETAILS-

KQHO- Will begin one minute following KPOD's s/off w/ SSB. TT, rr & ID's w/ possible CW ID's will follow. V/s: Bill Hardy, KQHO, 31st & Bay, Hoquiam 98550. Arr. Bill Hardy, NRC/IRCA.

KHYM- No program details. V/s: Larry Petty, GE, KHYM, Gilmer, 756h. Arr. Larry Ledlow, NRC.

WLCR - No program details. V/s: Rich Harris, Box 45, Zip 31792. Arr. Babelstein.

KHUB - Will probably have CW IDs, TT, march mx. V/s: Vern Wirka, Prod. Dir., KHUB, Box 669, Zip 68025. Arr. Babelstein.

WTAW - At presstime, there are conflicting reports as to dates. Original info says Nov. 9. Late word from IRCA HQ says has been changed to Nov. 11. Other details next issue.

REMEMBER --- ALL TIMES FOR TESTS ARE NOW

EASTERN STANDARD TIME THRU FEBRUARY

*Phone 703-354-2135 before 2200 EDT * All Times are GMT * Deadlines are Saturday *

A few longwave items first from Bob Foxworth . . .

- 164 -FRANCE Allouis hrd w/clear sig around 0500-0530 10/2 and same time, even better 10/5 when in past 0640, hitting 58 at peaks. Generally just a weak carrier here so far.
- 180 -WEST GERMANY Weak audio from Europa I in GG 0530 10/5, only reception so far this year.
- 209 -MOROCCO Aslial nice and clear 0530-0630 10/5 apparently AH for Ramadan.
- 584 -SPAIN BNE Madrid in w/near local sig, didn't need the Q-multiplier for this; between 0152-0159 on 10/13 w/classical flamenco guitar mx and singing and was giving 580 a taste of his lower sideband, ran 20 db higher than domestics on 580. (Clayton) * Clear and ST to 8 0205 10/13 during TA opening.
- 585 -NORTH KOREA 10/8 at 1350 w/classical type mx, Oriental style. (Foxworth) Really tearing up 590 w/het. (Heald)
- 593 -BULGARIA (Tentative) R. Sofia vicious splatter from 590 prevented program details except for a flute (maybe IS) between 2359-0000, carrier in strong from 2357-0005 on 10/7. (Clayton) Bulgaria not impossible but Morocco or West Germany would be much more likely here at this time. (ED) (Hauser)
- 600 -ANTARTICA For anyone sufficiently deaf to SW DX news, be advised that McMurdo APAN apparently has a SM// on 6012, should your ID on 600 be uncertain.
- 610 -COLOMBIA HJKL Baisora Nueva Granada, Bogota 10/14 0828 caught Radio Cadena Nacional SS plug w/WDAF; quickly confirmed as HJKL by // 6160V. (Hauser)
- 625 -COSTA RICA TEXE Radio Omega, San Jose about 500 Hz above channel; between 0222-0227 on 10/15, w/ID, ads and LA MoR and light rock mx. Reception very good, about 20 db over 99. (Clayton)
- 640 -CUBA CMQ Havana 10/14 at 1040 w/segments of a speech followed by commentary. Rare w/KFI off. (Heald)
- VENEZUELA YVQO Ondas Fortenas, Fuerte la Cruz in briefly behind R. Havann at 1041. Caribbean SS mx. (Heald)
- 645 -NORTH KOREA Radio Pyongyang stn in well at 1010 on MM 10/7 w/KFI off. Almost as loud as 655 stn which was booming in w/man giving speech in KK. (Reynolds)
- PARAGUAY ZP19 Radio Caaguazu, Coronel Oviedo. Heard well MM 10/14 0630 t/in to 0706 when quit. Strident sax w/notices, seemingly, echo reverb on voice at times. DJ program w/lots of mx, flowery guitars and uptempo ballads. Some of that sounded like Andean mx. Fades from occasional ST on peaks to SS or less and moderately bad QRM. Hrd on both antennas. Mentioned "buenos dias, amigos de Radio Caaguazu" at 0655 in a message to "all men and women", at 0702 a message dealing w/transport, w/no discerned "legal ID" on the hour, at 0703 a TC "exactamente a horas 11 minutos" but at 0630 said "en Radio Caaguazu la hora exacta 3 horas 33 minutos", was weaker and had splash from CMQ-640 then. I thought I heard Paraguay mentioned at 0645 but not sure. No other place names picked out, may be due to my lack of familiarity though. Mx at 0648 was exceptionally clear, as good as anything noted. Freq was measured as 644.98 and stable (within 10 Hz). Was heard again 10/15 on recheck at 0625, audio detectable on mx, but was only 55 and unreadable at best, plus WNBC splash. Although heard before, this was by far my best reception of this stn, and first ID heard. (Foxworth) * In between 0306-0312 on 10/13 w/upbeat LA mx and fanfares and ID by male ancr. There is a het w/somebody else on 645. Another LA or just a yappy TV set? (Clayton) * (Tentative) Carrier and a bit of mx below QRM level 10/14 0837. (Hauser)
- 650 -COLOMBIA HJJI Baiseras Monserrate, Bogota, ID, MoR; rock steady, no QRM 10/14 0725. (Hauser)
- HAWAII K0HL Honolulu presumably noted w/phone in show, 524- prefix; HJ must be called 0840 10/14. (Hauser)
- 665 -SYRIA Sabbarah in w/excellent sig between 0137-0142 on 10/13; male and female ancrs alternating, audio good in WNBC mall. (Clayton)

- 04
683 -DOMESTIC Continuous carrier here, and on 737 are audio sidebands of WOR-710's new STL using 27 khz subcarrier on program channel for control purposes. WOR's audio can be heard very weakly on it, but smudgy. 737 is a lot clearer, w/S7 carrier here at all times, but still weak audio. (Foxworth)
- 700 -JAMAICA JBC Montego Bay in between 1000-1005 on 10/14, IS just before hour, then into mx, was fighting w/Sutatenza in Cali, Colombia, and eventually lost. What in heck causes that het at about 698.9 khz? He's got my dander up and I'm gonna git him. (It doesn't sound Cuban style) (Clayton) See DXN: 10/14 for source of het. (ED)
- 710 -JAPAN JOKD Kitami 10/11 at 1356 w/EE lessons, ID at 1358 followed by brief orchestration, w/IS at 1400 and IS from JOFB a split second behind. (Heald)
- VENEZUELA YVKY Radio Capital, Caracas. WOR was silent MM 9/16 and YVKY v/ loud here w/US R&B, many w/EE lyrics, only IDs were jingles "eiga Radio Capital". (Foxworth)
- 713 -CHINA (?) 10/11, strong het ripping up KIRO/KMPC at 1350, trace of audio, nothing really readable. Or is this the new HILKA? (Heald)
- 720 -CHINA 10/8 w/drama type format, male/female ancrs at 1355. (Heald)
- 725 -NORTH KOREA 10/8 w/oriental style classical mx, // 585 at 1352. (Heald)
- 737 -DOMESTIC See 683. (Foxworth)
- 750 -COLOMBIA HJDK La Voz de Antioquia, Medellin 10/14 w/Caribbean style SS MoR at 0955 w/weak ID between records at 0957. Colombia #12. (Heald)
- JAPAN JOIB Sapporo in steady around 1000 MM 10/7 w/man and woman conversing in JJ. Heavy WJR interference. (Reynolds)
- 760 -COLOMBIA HJAJ La Voz de Barranquilla, "Barranquilla" hrd o/QRM 10/14, 0935. Tho consisting on only one word, I am rather certain that this logging is HJAJ. (Hauser)
- 770 -CHINA 10/9, w/male ancr, commentary or similiar, sounded more like JJ, 1358, to IS at 1400 followed by the East is Red. (Heald) China never reported on freq to my knowledge, sure this wasn't JOUB Akita w/500 kw? (ED)
- 780 -BRITISH VIRGIN ISLANDS (Tentative) ZBVI tentatively the one here w/soul mx segued 0012-0024 10/13. Channel clear w/the Cuban jumped up to 783. No anmts, faded for ID. (Foxworth)
- 783F -CUBA CMJN Camaguey, here we go again, Fidel's fiddling w/the tuning control again; noted on 10/8 and 781.9 w/commentary or mx between 0016-0020, later he moved to 783. (Clayton) * 10/14 0605 and AN, SS talk about RDA; ". . . aqui en la Habana. . ."; no doubt RFS can provide the exact frequency, but its nice to have it that far from 780! (Hauser) * Noted here w/strong sig, 10/14 0245-0315 w/soloist w/guitar which resembled EL mx. They completely covered the noise and QRM. (Davenport)
- 800 -NETHERLANDS ANTILLES PJB Bonaire noted 10/14 completely covering CKLW w/EE religious programming until 0508 then SS until apparent 0545. (Davenport)
- 830 -JAPAN JOBB Osaka 10/11, barely audible way u/KIKI at 1406, male ancr, sounded like their nightly EE lessons. (Heald)
- VENEZUELA YVLT Radio Sensacion, Los Teques, ID and 4:10 TC at 0808 10/14; rock mx; 146/min (2.4 Hz) SAH w/WCCO, which was mullable; another ID, TC at 0812. Is YVLT listed as 50 kw, but not often heard here. (Hauser) * In with upbeat IA mx and IDs between 0835-0840 on 9/29. (Clayton) / (Reynolds)
- 840 -JAPAN JOQK Milgata heard well MM 10/7 at 1300 w/dramatic soap opera in JJ.
- 854 -SPAIN RNE Mircia good sig at 0045 10/13 mentioning Radio Nacional. (Foxworth)
- 860 -VENEZUELA YVOL Radio Junin, San Cristobal 10/14, solid w/mx at 0933, considerable mention of Kissinger's travels, then spot at 0940, back to mx, then faded below WDMG. Venezuela #6. (Heald) / (Clayton)
- 872 -SPAIN EAJ101 Radio Zaragoza in w/soccer broadcast or speech between 2310-2315 on 10/4, audio clear, only moderate WCBS and almost nil WNL problems.
- UNID ORIENTAL (China or Siberia) Heard w/very steady signal MM 10/7 about 1220-1300 when local KIEV came on. At 1230 CC mx and singing; then at 1233 a woman was singing w/regular orchestra mx. This sounded like JJ. At 1238 a large group was singing (Communist style) and woman ancr spoke in RR for quite awhile. At 1245 a man was giving speech in Russian. At 1259 there was 3 quick pips (like the first three used by NHK stns). There may have been another pip, but KIEV came blasting in just then. I believe this is a new frequency for a China/Siberia border stn, but which side? Good consistent signal here. (Reynolds)
- 880 -CHINA 10/9, barely audible w/shouting female at 1408. (Why must they always shout their language, hi). (Heald)
- 885 -MONTERRAT ZJB Plymouth w/excellent signal 100% readable MM 10/7 0955 w/repl program. Best ever heard here was same time on 9/30. (Reynolds)
- 890 -AUSTRALIA 5AN Adelaide, SA w/jazz show at 1357, 10/8, then listing of selections at 1400, brief commentary on artists, then more mx. (Heald)
- 910 -MEXICO XEAO Mexicali, 10/14, slogan, "Radio Mexicana, Mexicali, Mas popular, mas preferida" at 0706, then ranchera. Listened o/20 min, no spots. Local KNEW off first time in years. This one heard often way u/KNEW w/latter on-mull. (Heald) / (Clayton)
- 925 -NETHERLANDS ANTILLES PJA6 Radio Victoria, Aruba bombing in w/near local strength between 2356-0000 on 9/29, wrapping up cl mx show and into ID.
- 940 -COLOMBIA HJGB Radio Eco, Cali weak but clear Todelar ID u/CEM 0500 10/14, south enhanced because of auroral condx this AM. (Foxworth)
- 944 -HONDURAS HRYW Radio Panamericana, Tegucigalpa ID about 0520, and continued to 0600 s/off MM 10/14. Nice sig, S7-8 on peaks. Romantic mx, anmts by a girl. ID at 0600 long and detailed, "hache erray y-griega doble-u" THREE times, freq as 950 but heard almost exactly on 944 (not 945), off with no anthem. (Foxworth)
- 980 -CUBA CMCK Havana between 0153-0200 on 9/29 w/Fidel speech, started good, faded into mush by ID time, so used identifying Tail c/o WWDJ. (Clayton)
- 989 -SPAIN Radio Peninsula, Madrid fair signal on this seldom heard channel 0050 10/13 during TA opening. (Foxworth)
- 990 -MEXICO XET Monterrey, NL 10/13, faint, but steady at 1030 w/folk (not ranchera) type mx. No trace of KTRT. (Heald)
- UNID IA Someone s/off 0505 10/14 w/anthem, same as heard on 820 going off at 0455. Was SA, not a YV, and I think HJ. Need help IDing the anthem, which I have on tape. (Foxworth)
- 1000V -COLOMBIA Radio Ambala seems to have settled here, judging from harmonic still around 3000, as of 10/13. (Hauser)
- COLOMBIA HJAJ Radio Miramar, Cartagena 10/14, solid ID at 0735 w/TC, on tape while taping R. Mil. (Heald)
- MEXICO XBOY Mexico, DF 10/14, often heard, but not this strong. Solid w/"Rock Your Baby" in SS, lots of jingles, sudden short fades giving way to HJAJ, at 0733. (Heald)
- 1005 -COLOMBIA HJDF Radio Colosal, Neiva, 10/14 0938 Colombian political mx, ID //4945; good briefly, but then lost to KTOK splash. (Hauser) Noted here 10/14 0615-0630 w/super sig, frequent IDs, inst mx. (ED)
- 1020 -TONGA A3Z, 10/13, religious mx in native language sung acapella, very briefly at 0905. Amazing, one morning its Pacific, the next, IA's. (Heald)
- 1030 -CUBA CMFA Camaguey in between 0140-0145 on 9/29 w/Fidel speech, o/WBZ Boston and other IAs no matter how the loop was turned. (Clayton)
- 1046.8 -PANAMA HOJ2 Ondas del Canajagua, Las Tablas, between 1010-1013 on 10/14, IA MoR mx, frequent fanfares, IDs. Is this using a new name now? (Clayton) Not to my knowledge. (ED)
- 1080 -HAWAII KHAI Honolulu, 10/14, first time heard since move from 1090. Heavy rock, frequent TCs and IDs, but no spots, from 0916-0928. That should be #4 rocker in Honolulu. No wonder no spots, no business. (Heald)
- 1097 -CANARY ISLANDS (Tentative) EGS4 Las Palmas, tentatively the one here w/female in SS 2320 10/12, slow ballade, fair sig. Recheck at 0001 showed carrier still there but I must have missed s/off, if any. (Foxworth)
- 1100 -NICARAGUA (Harmonic) YNQ Radio, La Lider en audiencia ID after TC "en punto", 0305 10/8, s/off, NA; excellent for a harmonic, on 2200; SINPO 34454; also 10/10 as early as 0030 35343, better than TGBA, a fundamental on 2360; ID giving 1100 kcs; this early, no TGSR x2 QRM. (Hauser)
- 1125 -COSTA RICA TISRHB Radio Capital, San Jose taped for report on 10/15 at 0500 w/excellent sig. Wanted to get them before move. Noted again on 10/19 w/fair signals, still on 1125. (See item below) (ED)
- 1130 -COSTA RICA Radio Capital de Costa Rica as of 10/14 moved here instead of 1120 from 1124.6; close enough to 1130 to produce a SAH, so not likely a drift. 0706 giving phone 22-56-79 for requests, CST TCs; on top of TT, other CCI, but its clear channel days are over. (Hauser)
- 1140 -MEXICO XEMR noted w/usual "H" ID on harmonic 2280, 1216 10/13 after switch to day pattern. (Hauser)
- VENEZUELA YVOO Radio Frontera, Antonio del Tachira, between 2302-2307 on 10/14, weak to fair level about S7, w/male ancr speaking fast and giving ID and spots, with A major chord on xylophone. (Clayton)

- 1170 -COLOMBIA New station or name (La Voz de la Donce) (phonetic spelling) new Colombian here w/WWVA and others on channel between 0230-0236 10/14. LA e-s listening mx, w/ID after about every second song. Who is it, nothing in WQTH or HRC lists on or adjacent to freq. (Clayton) A couple of new HIs on this freq, but slogans don't match. I checked here on 10/19 and found a TV here w/frequent spots for Banco . . . Comercial de Venezuela but no IDs. (ED)
- 1171 -GUATEMALA (Harmonic) Radio Cadena Landivar ID, TC, hrd immediately upon tuning to 2342, 10/13 at 1139. (Hauser)
- 1180 -BRAZIL ZYD65 Radio Globo, Rio thru Radio Mill, HIEE who s/off 0552 10/13 and in well after. Globo was actually even w/WHAM on weekday 9/18, at 0600, on LW. Really a good signal. (Foxworth) * Tentative, R. Globo likely the PP o/u/QEM, mentioning Miteroi; most annoying SAH was a 4 hr one, 0800 10/14.
- 1196 -VENEZUELA YVNU Radio Petrolera, Ciudad Ojeda, 10/14 SS MoR at / (Hauser) 0638 w/Union Oil spot at 0645, then slogan ID before next record. Bet they didn't pay for that Union Oil spot. (Herald) / (Foxworth)
- 1200 -MOROCCO Agadir presumed the one here 36 and clear (except for ITV) w/West African "stick beating" mx 2315-0000 10/12, just popped off at 0000.
- 1210 -CUBA CHML Santiago w/usual mx and bong on the minute junk 0246-0249 on 10/2. Why can't I get anything but CM's and TV's on this channel? (Clayton)
- 1217 -VENEZUELA TVOZ Caracas 10/14, ID at 0648, then SS MoR and Caribbean style SS mx. (Herald) Radio Tiesgo.
- 1265 -JAPAN JOOR Osaka hrd loud MM 10/7 at 0910 w/JJ talk program. (Reynolds)
- 1304 -CUBA Holoj Nacional (extreme eastern Cuba, loops like Venezuela) 2253-2257 on 10/14, usual Holoj Nacional yackity-yack tick-tock bong-bong, suspect, signal level fairly good, could it be Holguin or Santiago? (Clayton)
- 1320 -ST KITTS Radio Paradise very loud w/100% copy at 0905 on MM 10/7. Religious program and scripture readings. (Reynolds)
- 1385 -ALGERIA Constantine 2, between 2350-0000 on 10/10 w/occ. snatches of mx and some talking by male ancr, // w/251 Tebassa. (Clayton)
- 1410 -MEXICO (Harmonic) On 2640, some mx briefly 1140 10/13; XEHW the only sta hrd here before. (Hauser)
- 1475 -CANTON ISLAND WILE being heard each MM w/fair strength. Best about 1030. Just sent nice 1 hour report to Mr. Max Chapman w/new hopes for a veri. Several reports over past 2 years without success. (Reynolds)
- 1502 -MALAYSIA SABAH Kota Kinabalu being heard well again this season w/s/on at 1100 after 5 mins of chime melody. Program is usually man/woman in Tagalog. Both have soft voices which do not help any. Verified last year. (Reynolds)
- 1520 -SPAIN R. Popular de Sevilla, COPE IDed here at s/on 0501 9/23, also mentioned 99.6 FM, this apparently is the dominant COPE here. Heard fairly well several times. (Foxworth) / (Foxworth)
- 1525 -COLOMBIA Radio Misuto atop the freq w/NEEW blanked out in aurora 0530 9/16.
- CHINA (Uruzchi, I think!) Heard quite well on MM 10/7 at 1137. Loud for a few seconds w/clear flute mx. Then at 1143 cl orchestra mx. Signal became weaker until semi-local EFKH came on at 1200. Loop bearing was perfect for Uruschi, but could be Siberian in same area. Any help? (Reynolds)
- UNID Weak fluttery female voice, just barely IDable, w/another carrier about 10 hr apart, exactly on 1525 hrd 0010 9/16 in disturbed condx, soon faded. Maybe China w/a "doughnut hole" reception? (Foxworth)
- 1560 -PUERTO RICO WRSJ San Juan between 0857-0902 on 9/29 w/soul-influenced LA mx and ID by male ancr, fighting w/Cuban on same channel. (Clayton)
- 1607 -UNID (Baisera Popular) who is this, no other ID used, LA upbeat mx to MoR mx, male ancr w/frequent mention of "Baisera Popular", loops between Cuba and Venezuela. (Clayton)
- 1610 -NICARAGUA R. San Cristobal, Chinandega, once varying to 1595, was heard on 10/10, 11 around 1610 w/an FM spur; not hrd on 1595 or 1600. Carrier drops during modulation peaks, the no definite center audible on EFC. Hrd 0315 during "Musica para Recordar" program, beginning at 9 PM; no ads, plays "Tea For Two" as bridge after every selection of dance mx; 0358, ending program "desde los estudios de Radio San Cristobal; buenos noches". No formal s/off beyond that, but short version of NA, followed by brief OC 0359; this on 10/10; also noted w/"Tea for Two" at 0334 check 10/11, not noted on 10/12-13-14.
- OUT OF SPACE, CREDITS NEXT ISSUE, LETS HAVE A REPORT FROM YOU ! 73 / (Hauser)

PROPAGATION NOTES

This item, written by Carol Feil, appeared in a recent issue of Shortwave News, the publication of the Danish Shortwave Clubs International (DSWCII). Per the existing cooperative exchange agreement, we are reprinting this item as it ran there.

The Sunspot Cycle - Analysis and Prediction

This is another interesting article from CQ. It is written by T.J. Cohen and P.R. Lintz and appeared in the March 1974 issue, page 24. In this article the authors present a new method of analysis of the sunspot data, that has been recorded on a regular basis since 1750. The method is called Maximum Entropy Spectral Analysis (MESA). It requires no assumptions to be made regarding the behavior of the data series outside the interval analyzed. The only assumption implicit in all of the analyses is, that the driving mechanisms for the sunspot cycle, whatever they may be, exhibit periodic behavior.

MESA is of considerable value where short time series are encountered, and the resolution of MESA is striking, which is demonstrated by an example in the article. Application of MESA to the 1-12 month running smoothed sunspot numbers from the years 1750-1971 yields a periodogram with peaks corresponding to periods of 90.6, 11.2 and 9.9 years. The latter two periods are separated by 0.0116 cycles/year corresponding to a long-term undulation in the sunspot cycle of 179 years. The existence of a long-term periodicity has been postulated before, among others by Carruthers in 1973, who postulated 178 years. MESA shows however, that this periodicity arises not from a primary long-term excitation function, but rather from interference between two excitation functions having about the same frequency.

If the above result is used for predictions, the following results are obtained:

- 1) The current cycle will exhibit a prolonged decay, with a null-to-null period of nearly 13 years. The coming sunspot low will therefore not be reached until after 1975, and possibly as late as the summer of 1977!
- 2) The next cycle will have a rather broad peak, possibly reaching its maximum in late 1982 and minimum around 1988.
- 3) Smoothed sunspot numbers in excess of 100 will not be observed again until around 2015. In sum the next 40 years may be characterized by relatively low sunspot activity.

DOMESTIC
X
IGEST



editor.. Wes Boyd
960 W. Liberty
Girard, Ohio 44420
216-545-4543



Group,
Time has come again for another DDXD section, and I can't tell you just how much I look forward to this now that we're weekly. I'm sure more DX exists than reported here, or I hope it does.

rc's
AUGUST:
KSIW 1450 w/ 1K TT & ID @ 3 min. (KDF)(4th. FRI:)
WABD 1370 w/ 1K TT (KDF) (4th. SAT:)
SEPTEMBER:
1st. TUES.: WHGR 1290 w/ steady & "wavy" tone
1st. Sun.: KCII 1380 (KDF)
OCTOBER:
1st. MM.: KDBM 1490 w/ 1K TT-IDs @ 3-5 min.
Sunset & evening

- 540 WGTO FL 9/27 RR to s/off 1930. Assume this w/ this s/off, but did hear ID as "W__O" in s/off. Another "W__O" also hrd. same time with s/off but suspect WGTO is the RR (SHAFT) yep--thats dem--HWB
- 950 KLIK MO 9/22 Noted 2028 w/ Jx & AT40 (KDF) Automated maybe ??-HWB
- 1110 WUNN MI 10/3 W/ Relig. 1845-1858 s/off--no CFTJ (JF)
- 1310 WEEL VA 10/5 Hrd. w/ RR & area soys club PSA 1840-1904. IDs as 13-WHEEL. (SHAFT)
- WLOB ME 9/27 Got couple IDs just o/ mess on channel about 1845. This should be a good bet for this state. (SHAFT) Not such a good bet in here--too much CFGM-WIFE-WNIC-WDOD-CKOY-etc. Best bet in here is, of all things, 1440 at SRS--HWB.
- UNID ?? 9/27 Late s/off 1904, no SSB. Call like WEWA, nothing similar listed. (SHAFT) Sept. SSS zone for 1900 indicates several possible stations here,-----dunno who this was.,HWB
- 1340 WCVI PA 10/8 This w/ C&W & MOR 2318-2323 w/ CKOX (JF)
- 1380 WGHT NY 9/25 Tentative on this w/ C&W & weak WAWZ QRM. Assume this due to 300⁰ looping & s/off at 1915 (SHAFT)
- 1440 WCDL PA 9/29 Noted s/off 1930, semi-regular here but thought the s/off would be 1915 (SHAFT) The s/off SHOULD have been 1915--HWB
- WGIG GA 9/29 Assume this as call sounded like WJIJ. Hrd. 1906 w/ UPI nx then ID (SHAFT)
- 1510 CKOT ON 10/4 Late s/off w/ FM promo--1909 (JS)
- *1520 WYFC MI 10/4 S/off 1900, no SSB. ex WYNZ using new call (JS)
- 1530 WOBR NC 9/20 W/ hard rock, PSA. S/off gave s/on 0645 & mentions pwr. of 500 & 250 wt. (SHAFT) You sure?? WOBR supposed to be a 250 watt daytimer.--HWB
- 1540 KGBC TX 9/19 On top 2050 w/ soul mx & record shop ads. (KDF)
- 1550 WVAB VA 9/30 Noted 1845 w/ C&W & hrd. phone # 725-8293 (SHAFT)
- WKVA WV 9/30 W/ C&W, AD for something on Main St. & Rt. 30 (SHAFT)
- WKOT NY 9/30 IDs above mess 1854-1909 & 1915 in s/off (SHAFT)
- WNIN MA 9/30 W/ hard rock & Beer Ads, s/off 1915 was very weak, What is their pattern?? (SHAFT) A very large circle.,HWB
- WSAO MS 9/30 This faded in for ID & nx 1902, then gone (SHAFT)
- WBSC SC 9/30 R&B & IDs 1919 & 1921, some RR (SHAFT)
- WKBA VA 9/30 Fade in 1927, s/off--no SSB-1930 (SHAFT)
- WRHC FL 9/30 AM I the last?? First hrd. w/ SS thru WKBA 1929 then bits of s/off anct. 1930 (SHAFT) Is your dial cord broken??-HWB
- 1560 KAJN LA 9/19 Fair w/ s/off 2027, first time on RS (KDF) same to you--HWB
- 1570 KVLG TX 9/19 Fair & o/ static 2028 w/ s/off (KDF)
- KLEX MO 9/29 This good w/ s/off 2032, o/ KTER (KDF)
- 1580 KTGR MO 10/4 S/off 1933 w/ FM 96.7 promo for "More Good Time RR" (JS)
- UNID ?? 10/4 Tune in 1844 to catch SSB, left carrier on-Noted still on AN 10/5 w/ S-5 sig. (JS)

- 1580 WAMY MS 9/26 S/off 2000 w/ mention of WAFM 95.3 followed by end of WCCR s/off--both no SSB. Again 9/27 w/ bad het, played tape for Foxy who sez WAMY off freq. & beating w/ WCCR (TRS)WHAT would he know?--HWB
- KWNT IA 9/26 S/off 2015--no SSB. Fair o/ CBE. First time at SSS (TRS)
- WEYY AL 10/6 Fair w/ s/off anct. 1916 (KDF)
- 1590 WQTC WI 9/24 Fair at 2000 s/off o/ WAJK/WNTS (KDF)
- midnight to sunrise
- 540 WDAK GA 10/6 W/ RR 0258, no ID on hr. (fell asleep & Foxy say was this (SHAFT) They be C&W when I hear them--HWB
- 580 WTAG MA 9/28 Noted in WMA null w/ Red Sox BB, no WCNS (SHAFT)
- KMJ CA 10/8 W/ EZ mx & ballads, Jx & NBC nx 0700. No sign KCMX/KFXD (BV)
- *590 WMBS PA 10/16 Tele-talk 0125-0130 then live PSA, followed by "HAPPY TRAILS to YOU" then s/off 0132 giving 0600 s/on--no SSB (HWB)
- 690 CBU BC 9/22 Noted first time this season 0235 w/ usual schmultz mx. (SHAFT) Are You Kidding?? Took guys in this area couple years to dig CBU out from u/ XETRA's schmultz mx, sure it wasn't them??--HWB
- 710 WOR NY 10/14 Noted off 0203 or before, only CJRN & unid RR left (HWB)
- 860 KONO TX 10/13 Beautiful & alone in D.R. null, no sign of usual SS pest that lives here--maybe a SF for them??(HWB)
- 910 UNID ?? 10/10 Can't ID the FF here w/ RR in FF mostly. Is best weekdays 0200-0400 u/ WSBA-KGLC-WPFB-WORD-etc. (HWB)
- +920 KGAL OR 10/8 RR then s/off 0500, think is regular s/off--not NSP (BV)
- 950 UNID ?? 10/7 Tune in 0135 for TT thru apparent s/off 0155--no IDs hrd. DF: E-W so interesting from that direction, very weak signal (TRS)
- 970 WAVE KY 10/13 Found O/U WWSW 0503-0507 w/ NBC nx, then RR (HWB)
- 990 WNOX TN 10/6 Got good ID 0158 u/ WIBG--was RR (SHAFT) Super pest--HWB
- WNRV VA 10/16 ON ET w/ some TT, bits of RR mx & jx/voice IDs 0144+(HWB)
- 1080 KRED TX 10/12 Strange, but way o/ WTIC 0203-0215+ w/ CBS nx & EZ listening mx.(HWB)
- +1150 WGOV TN 9/30 This on another ET w/ RR mx 0103 (KDF)
- KXLR AR 10/13 Smashing freq. 0530-0536 w/ live nx by anct. w/ super southern type accent, then C&W mx--(HWB)
- UNID ?? 9/28 RR mx till 0500 & lost to WGBR s/on, no IDs. Some say is CKOC but thought they were all nx??, hope is WRUN (SHAFT) WRUN should s/on 0500 & nulls your way, besides CKOC is definate RR (HWB)
- 1250 WKBR NH 10/3 Noted this o/u WTAE 0235-0250+ w/ RR mx (JS)
- 1260 WALM MI 9/30 ID outta the mess 0730, almost an hr. after local SR. Is this really only 500 wt?? (SHAFT) Sure iz--HWB
- 1290 WICE RI 9/28 MOR Instr. stuff 0304-0334, IDs 0330 & 0334 (SHAFT)
- + KHSL CA 10/7 S/off 0200--no SSB--gave MM s/on as 0830 (BV)
- 1330 WTRX MI 10/6 W/ RR. 0147-0150+, several IDs hrd. (SHAFT)
- WHOT OH 10/6 Finally thanks to HWB/NRC tip this 0152 w/ RR & IDs that sounded like WLOT. Big Al Knight (sounded like Cousin Brucie). Again 0223 w/ RR, local wx, etc. This & WTRX in WFBC null (SHAFT) So ??--HWB
- 1340 WUSJ NY 10/10 Got only ID on ET at 0208 then only WMIX-WIZE (HWB)
- WMID NJ 9/23 Poor 0503 in WJOL null w/ ID & RR (KDF)
- WJRI NC 9/30 ON ET w/ TT, IDs every min. Noted 0030-0045 (TRS)
- WTRN PA 9/28 W/ C&W mx 0015-0047+. Took dedications on local & Altoona phone lines. Fair sig. at peaks (TRS)
- + WMO NY 9/28 S/off 0102 w/ SSB--mentions WRLX FM-106.9 (TRS) CHANGE!!
- 1360 WIXZ PA 9/30 W/ MBS nx & Ac nx 0652 (SHAFT) Does that mean both at once, Ac early, or Mutual late??--HWB
- WEBB MD 9/30 ID 0701 as "WEBB-Black Rock Radio--Baltimore". Then R&B, ignored at first as thought was WDRC (SHAFT)
- 1370 WELV NY 9/30 Hrd. 0650 w/ several IDs (SHAFT) So what??--HWB
- WTTT IN 10/12 S/off w/ SSB noted 0158 u/ WSPD (Who else??)--(HWB)
- 1390 KJFW MO 9/26 This one poor w/ s/on anct. 0701, then SSB (KDF)
- WEED NC 9/30 Hrd. nx, sports, ID & DRUG PSA 0640 (SHAFT)
- UNID ?? 9/30 Someone noted w/ C&W 0641, maybe CHOO??(SHAFT) At that hour could be, or one of 6,000 daytimers there--HWB
- 1410 KRIG TX 10/2 This o/ WING 0021 w/ several spots (KDF) Buzz off!!--HWB
- 1460 WCMB PA 9/23 Hrd. s/on 0459 w/ WBNS (KDF) Any SSB??--HWB
- WBNS OH 9/30 W/ Sports & WBNS ID 0610 (SHAFT) Boy, will RJE be sore when he hears you heard this "rare" one!!--HWB Really? Hrd 7 yrs. ago--KJE
- 1480 KRED CA 10/6 TT 0632, think was various powers as varied S-3 to S-7 off & on. Female singer 0730-0800 then ID as on maintenance & off(BV)



- 1500 WDEE MI 9/28 W/ C&W, Detroit ments, CDT TCs, PSA, contest promo (SHAFT)
Hey HOT SHOT---What time(s)????--HWB
- *1530 WKDC IL Noted OC ET 0140 & off, maybe a first nite test (KDF) Was an ET of a new station under construction, but as is a daytimer wasn't the "First nite test", but only a test...Shame on you--HWB
- *1540 KBES WA 10/6 ID hrd, 0335 mentions 24 hrs. a day. This wasn't 24 hrs. back in June/July (BV) Assume the 5KW fulltime now ON!!--HWB
- 1550 WKVA VA 10/5 ET/OC/MX 0200-0232 off (JS)
- WKOT NY 10/12 ET w/ lotsa C&W 0134-0155+, many IDs (HWB) **KNX**
- 1555 CKLM PQ 10/6 Loud spur here w/ distorted audio all AM, as loud as the primary signal on 1570. Another weak spur up on 1585 but not nearly as loud, DF same, but faded at different times from the primary 1570 signal (JS)
- 1560 WQXR NY 9/26 ET before 0200 & spur on 1579.3, spur gone after 0200, so maybe ET to eliminate spur. Was OC after 0200 killing tries for KKA
- WDXR KY 9/26 Someone w/ RR 0304, ERC sez WDXR (SHAFT)
- WBKC OH 9/26 ET TT OC MX 0110 w/ day facilities, IDs 0158-0210-0220 tune out. Was looking for KKA (TRS)
- WGLB WI 10/7 ET w/ 1K TT & OC o/ Cuban 0210, IDs 0215 & 0230 (TRS)
- 10/12 ET w/ OC, some TT, many IDs 0117-0130+ (HWB)
- KPMC CA 10/6 ID 0500 then mention "More Than Just Headlines", gives background on news, hrd. 3 nets here-ABC-CBS-Mutual (BV)
- 1580 WCLS GA 9/28 Noted C&W, movie AD, & ID 0333-0345 (SHAFT) C&W???-HWB
- *1600 WFRNC NC 10/2 W/ RR fair u/ WWRL, s/off 0005 (JF) I've noted s/off at 0058 so this needs watching--HWB
- + WKWF FL 10/2 CBS nx 0005, wx, religion to s/off w/ SSB 0011. This one is worth watching in Aurora (KDF) So sked is 0500-0011 now--HWB

Quite a bit of local activity of sorts. After someone did a job on one of our towers WKBN had a couple bricks whipped thru big double doors, 6 ft. apart. Then WFMJ got a brick thru big twin-pane showcase window at the new studios across the street from PD. On 10/16 someone hit WTCL & removed some tape machines, remote units, mikes, etc. Similar trouble in Erie & Pittsburgh recently but don't decide to try any similar bits. FBI sez is gonna really hang some of these dudes as an example & just stick the others in jail till they rot.

REPORTERS: **KWWL** 5,000 Watts 1330 Kc. Waterloo

SHAFT Rick Shafton New York, N.Y. Phillips IC port. & SM-2

TRS Tom Sundstrom Willingboro, NJ HQ150 & SM2/ DX150-HQ140 & LWS

BV Brian Vernon Pt. Hardy, BC DX150 SM2/LWS

KDF Karl Forth Villa Park, Ill HQ160 & SM1

JF Jeff Falconer Clinton, ON Kenwood 9R59DS & SMI

JS Jerry Starr Hubbard, OH HQ180 & 4' loop

HWB Ye ED Girard, OH HQ180 & 2' loop

MARFF & GLIEAGGH



BULLETIN

(MONTGOMERY, ALABAMA)---THREE WHITE-ROBED BLACK MEN FORCED THEIR

WAY INTO RADIO STATION W-A-P-X IN MONTGOMERY, ALABAMA TODAY, FIRING

VOLLEYS OF GUNFIRE WHICH LEFT AT LEAST ONE MAN INJURED. THEY

SURRENDERED ABOUT TWO HOURS LATER AFTER POLICE RIDDLED THE STUDIOS

WITH BULLETS AND TEAR GAS.

UPI 10-12 01:58 PED

editor.. Ernest R. Cooper
438 E. 21st St.
Carrier Route 52
Brooklyn, N. Y. 11226

musings of the members

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.

DICK TRUAX - 3003 Gleeson Lane - Jeffersonton, Kentucky - 40299

DX since last Muse has improved w/20 new loggings in last two weeks. And would you believe there is a new NRC member only two blocks from me? With the addition of Pat Hartlage the Louisville squad now numbers five. DK since 9/17 as follows: 9/17- KDDA-1560 Ark. s/off @ 8:15pm o/WQXR/WDXR duo. MM 9/23- KKA-1560 S.D. w/c/w * ID @ 1am & into CBS NX, should be heard well widely in Midwest. Also, 41st. state logged. 9/30- WETY-1580 Ala. s/off @ 7:46pm, WGFA-1360 Ill. s/off @ 8:04, KWED-1580 Tex. s/off @ 8:29pm. 10/5- New WQEX-710 Va. noted weakly all day w/rr - may have been on for a while. WESY-1580 Miss. s/off @ 7:30pm. MM 10/7- KQMO-1550 Mo. @ 2:51am w/rr on ET, umm KKJO also ETing, WGLB-1560 Wis/ w/ID & TT @ 3:03 killing the Cuban, WSRF-1580 Fla. w/ID @ 3:25am on ET; WCLS was also ETing. CKCH-970 Que. in like a local w/FF IDs & rr, CPFL-980 Ont also in well - both between 4 & 4:15. I heard a faint religious format u/OC on 1100 @ 4:20am which had to be much-wanted KFAX in Cal., but only ID heard was WELI's SID @ 4:25 on ~~W~~ & WWWE s/on @ 4:30 killing any further attempts. I'll try again next week. I really like this CDT zone & will hate to return to EDT on 10/27. No sign of CPs on 1430 in Buffalo, Ky., or 1470 in Harlan. Latter verified on trip through Harlan on 9/23. More in 14.

KEN ONYSCHUK - 14031 South Stewart - Riverdale, Illinois - 60627

Nice to see a weekly sked again. Maybe it'll keep a few more guys DKing more often. I enjoy seeing fat DX NEWSes in the mail. Recent DX: 10/1- WPAY-1400 O. Buckeye #22, w/Reds BB @ 10:20, also WYSL N.Y., #1B, surfacing w/ID @ 10:23. 10/4- KQYX-1560 Mo. on car RX w/s/off u/WDXR @ 8pm., Mo. #32. 10/5- KPFA-1360 Ark. w/Razerbacks FB o/WSAI-rr in fair @ 9:45; CKLB-1350 Ont., my 40th Canadian, in alone w/rr & WX, IDs from 9:50-10:15. WROC-1280, N.Y. w/RX, WX, ID from 10:30-10:35 in. WNDR-1260 N.Y. w/WX @ 10:43 alone, despite RX in E/W null. Finally on car RX, 10/6, WCPG-940 Miss. w/Gospel mx, s/off 7:20-7:30 in alone. Now that BB is over, I can now concentrate a little more on DKing. Only one regret: I couldn't get an ID out of those 1590 stations doing Brewers BB @ SSS last month. So now I'm in my fourth DX location in three years. See how my new location will change my luck? I've been here only a week, five newies already. I finally got the last NRC Updater - that was a lot of work. Over 400 of 'em. When the next Domestic Log due? With so many changes, the Log Book can get filled up quick. 73 till next week, I hope.

BRIAN VERNON, Mail Bag 99 - Port Hardy, British Columbia

I have not reported in quite a while. I moved here in April from Leaf Rapids, Man. Totals there, 358/149. I've done quite a bit of DX from here, but other special logged except 4QD-1550 6/13 @ 8:15am, & KNPI-1270 o/ CHWK B.C. 7/15- At 8:30am, during the Summer, I just came off a two-month strike & did no DKing during that strike but logged JOBB-830 // -JOGB-870 teaching EE lessons 9:32-10am, also R. Peking-1040 w/Chinese mx @ 10:05am all 10/8. Tar-gets this season, still CPAR-1340 & KMSA-1500 among many - well, one can dream. All times EDT - best of DX & 73. All the best for the season, ERC!

DAVE SCHMIDT - 42 Chelwyne Road - Castle Hills - New Castle, Delaware - 19720

Not much here in the line of DK, just WQSC-1300 on ET 10/5 1:08-1:25am. No veries yet. I had a very interesting phone call from WISL-1480 on 10/7 as the result of a letter with another f/up for reception on 4/24. Bernie Flynn, a DJ at the station, gave a call & said he was sorry the past reports had gone unanswered, & he suggested if anyone needs a verie from WISL to send it to his attention, he will see to it you receive a reply. A very friendly person, indeed. Also I think it'd be a good idea to give WISL a try, I'm sure he'd like to hear from as many areas as possible. He also mentioned return postage is very helpful, so make sure it's sent with the report. Maybe more next time? 73.

DAVE BURNS - 2137 Cunningham Drive - Hampton, Virginia - 23665
 Greetings from Tidewater, Va., land of super-pests WGH, WVBC, WJAR & many others too numerous to list. To re-introduce myself (was a member of the NRC back in the early 60s) I'm 28, married with two children, & a member of the WRAP stationed here at Langley AFB. I've been DXing since 1960 when I lived up on Cape Cod, Mass. where, as ERC would agree, the DXing is great. Unfortunately, I temporarily gave up DXing when I went off to college & later the Service & I just resumed the hobby this past Spring. I guess you could say I fall into the group cited in the Publisher's Corner of the 8/19 DX NEWS, as the NRC was the force that got me going again. While in the AF I've really blown it as far as DXing possibilities are concerned as I've been stationed in Germany, Taiwan, Japan, Viet-Nam, Thailand, and on top of a mountain in Turkey and had access to a number of R-390 and SP-600 RXes & some of the best antenna systems available. Currently, I'm using a Drake SW-4A RX & 3' loop Drake pedals along with it, but I'm attempting to build an altaz loop & I hope it will be finished before the season really gets going. Since March I've been concentrating on getting the locals & regulars out of the way & just lately started to get into the real DX. Here's what's been heard lately: 9/14- WSLR-1350 u/pest WKIX @ 12:16am. 9/15- WINT-1270 w/Braves BB @ 1:30am, umn KFI-640 fair w/Cuban nuller @ 2:06 w/NX and talk program; R. Globo-1180 fair 3:17-3:39, & an unID IA poor on 1110 from 4:01 to 4:32. 9/18- ZNSI-1540 over everybody 9:01-9:07pm w/Job Opportunities & ID as Bahamas Radio Network. 9/23- WAGL-1560 s/off @ 7:30pm & WBBB-1280 s/off @ 7:45. 9/28- Agadir-Morocco, 935, for second TA from this location 1:54-2:34, WLSI-900 w/NX & a bunch of ads @ 7:30pm & thanks to Auroral CX, a number of IAs most outstanding was R. Managua-965 @ 11:11pm, R. Capital-1125 @ 11:26 & R. Colombia-1105 @ 11:45pm. Anyways, I hope the upcoming season brings the best of DX to all. 73s. (Welcome "home", Dave! Muse often! -ERC)

DAVID E. FOX - 333 Douglass Street - Reading, Pennsylvania - 19601
 Despite busy sked I have done some DXing - mostly SSS stuff. Recent log additions have been: 10/2- WNGA-1570 @ 6:50pm s/off. 10/2- WCNW-1570 @ 7pm s/off, IDed as "Solid Gold 16". 10/10- WHEM-1330 6:30-6:40pm w/ABC stuff & spot for Danville Chrysler. WDAD-1450 @ 6:50pm. 10/11- WNI0-1540 6:37-6:45pm s/off w/mention of sister FM, WWIZ. WJVA-1580 @ 7pm s/off. 10/12- WANB-1580 @ 6:35 w/sports, WIIA-1580 w/s/off, & 10/10 WEYY-1580 w/s/off. Recent varies from WKLO v/1 & CM, WIAG w/v/q & nice v/1 w/CM, returned stamp, & WBCM w/v/1 for 6/3/74 reception of their Telethon for the AM Cancer Society. They have unusual s/off @ midnight but were on AN this particular date. Other varies in past month include v/q from WVOJ, KOMA, WKAT, WCHS, WAKR & WSRF. V/1 from WSMO, WYTI WQJW, WMLL, WLIJ & WRHC w/WRIZ CM. Total logged now at 585, varies have crawled up to 220. I am looking into possibility of DX TEST from CNR-930, 1,000w in Bloomsburg, Pa, very friendly CE there, Bob Fulton, originally from Reading. Notes from Wes Boyd & Dave Schmitt really appreciated. They make belonging to NRC more interesting. To date I have been a rather isolated DXer with little contact with other Club members. I hope to keep active in great Club - good DX.

JAMES E. CRITCHETT - 1103 North Street - Yreka, California - 96097
 On 10/6 I returned from a tri through Nevada, Utah, the SW corner of Colorado, NW New Mexico, the E & S parts of Arizona to San Diego and N through the Central Valley of California back home. These notes were written down when not in motion. From nearby Durango, Col. no KPAG in Pagosa Springs was heard KEAC-1300 Window Rock, Ariz. though recently sold, still was on the air with Indian Language religious programs & good mx. In Tucson I heard KTAR-620 w/ABC NX on the hour, NBC NX on the half hour, & local & sports NX in between. (Sounds like fascinating programming! -ERC) Going through Sacramento KCRA-1320 said all NX. I listened to the radio more on the road than I do here at home, w/five sets available. MM 10/7 WWWE (Three-W-E) was so strong I took notes for a report from 6:55 to 7:20. At 7:45 KPST-1340, Preston, Idaho s/on. Tues. 10/8 @ 7:58 someone played the SSB but faded out; this AM (10/9). KA KAIN-1340 Nampa, Ida. was on top from 8-8:30 10/8 so reported. "Kountry KBBR" came on top @ 8:05 Wed. 10/9 & may be the one signing on @ 7:58. The woman talking religion on 1340 from 7:30 heard also by Bill Hardy might be KAIN; I will try again; top AN here on 1340 all week. I know the Hardys & I are not the only WC DXers; come on & report to Ernie, please, fellows & girls. Best wishes. REMEMBER DEADLINE DATES ARE EVERY THURSDAY. BE SURE TO DOUBLE SPACE!

YOUR EDITOR HAS HAD TO WORK MUCH OVERTIME THESE LAST SEVERAL DAYS AND SO SOME OF THE MUSINGS UNFORTUNATELY HAVE TO BE HELD OVER TO NEXT ISSUE. SAID OVERTIME INVOLVES A LOT OF EYE STRAIN. WITH A TOUCH OF GLAUCOMA, ACCORDING TO OPHTHMOLOGISTS, AND ALL THIS EXTRA EYE USAGE, THE NEW POLICY BEGINNING NEXT ISSUE WILL BE TO TEAR UP ANY SINGLE-SPACED MUSINGS AND VERIE SIGNERS LISTS. WE HAVE ASKED FOR DOUBLE SPACING FOR LO THESE MANY YEARS AND HAVE NONE THE LESS PRINTED THEM, SOMETIMES HOLDING THEM BACK AN ISSUE. BUT FROM NOW ON, SINGLE SPACED MUSINGS WILL NOT BE USED. SO BE SURE TO DOUBLE SPACE WHETHER YOUR WRITE, PRINT, OR TYPE. IN THIS SMALL GROUP OF MUSINGS ALONE, THERE ARE THREE SINGLE-SPACED ONES! SO, REMEMBER, THIS IS THE LAST TIME THEY'LL BE PUBLISHED. -ERC.

BOB FOXWORTH - G.P.O. - Box 2111 - New York, New York - 10001

The ionospheric gods released their grasp on the F layer Sat. eve 10/12 long enough for a moderately good TA opening to occur, breaking a two-week spell of quite bad CX. Signals from Europe peaked around 8pm but by 11 had turned Auroral, & TAs were gone again. Other good TA dates were 9/23 & 9/9, when a strong signal on 1016 was heard @ 8:05pm w/West-African-sounding mx. Richard Wood was sitting right next to me & we both thought it was Morocco with high power but now it seems it was Turkey we heard. I did not hear any ID on my reception. 9/9 was a very good one for the NE, too, w/CBY-990 on top @ 9pm & CBD-1110 heard well, along with St. Pierre-1375 at very good level. Also CENM-740 u/CEL @ 8:30 w/CEN relay, quite distinct & a real thrill - this on the LW as well as a loop. Even a tentative on VCCM-590 that night!

DENNIS JARRETT - 1499 Shippan Avenue - Stamford, Connecticut - 06902

I'm back at the dials after a period of distractions during the Summer. CX are definitely on the upswing, so here's hoping it's a good Winter. 9/17- WRHC-1550 on s/off in EE 7:30-7:33pm dominating, were in SS till s/off. Surprise on 9/30 in the form of WEYY-1580 s/off @ 7:45pm; up from the jumble. 10/4 represented great Caribbean opening with SRS-"Radio 725" in like a semi-local from 11-11:15pm in EE & some other language that did not sound like Dutch. Belize-834 11:10 on, w/NX & sports. Sports was all EE w/very English-accented gentleman MC. 10/7, 8/10, first TA crack with Agadir-1196 in all three nights after WLIB-1190 s/off @ 7 until approximately 7:30 w/AA mx. I hope many of you ECers were able to log this one. 10/10- First report taken on KKA-1560 on AN c/w show w/a weak signal, which the loop almost missed. A very good ID @ 5am break for CBS NX. WFIG-1290 breaking through @ 8pm. Veries, WEYY WSWF, WRHC. 73s.

BOB SELLECK - 38 Thomas Street - West Haven, Connecticut - 06516

Looks like I didn't make the deadline on last Musing, so this is the first of the season. A good session at George Mass' house led right into a good DX this MM: I finally IDed & logged some of the many IAs I've been avoiding. HJHJ-600 "R. Libertad" IDs u/CMKV @ 1:51am, HJBB-940 Cali, strong @ 2:44; HJCG-1070, "R. Santa Fe" fighting w/WHPE ET @ 3:08, WAPA-680 w/Lord's Prayer in SS @ 5:04am, WIMA-1250, weak ID @ 5:51am. Who, please, is "R. Sentacion"-830? It muscled WCCO off, I believe it even mentioned being 50kw but I didn't catch any ID or tip-off phrases. Veries in since rejoining in March: WNOX, WOKY, WKIG WSRF, WNDW, WGOE, WBIG, WETT, WRG, WRAP. IA has certainly taken over the lower half of the dial in the last ten years. Now maybe I can put my BA in SS to work.

ROGER GIANNINI - 1111 Forest Hills Drive - Belleville, Illinois - 62221

Starting my sixth season, my how time flies! After a year I was finally able to get GPN Loop working but internal crystal amp used for 2' loop plans has conked out. Without it, it's better than SM-2. For instance I easily separate KLOU/WCLIS-1580, WETE/WTMJ-620 day/night. Yes, Virginia, there is a KTRN -1290 as mentioned in last Picture Show on Sun. night movie 10/13. One gets a chance to hear WABC again in Nov. as the Midnight Cowboy will be shown on TV then. I often wondered how they never ran out of batteries throughout the entire movie. I finally got around to experimenting w/thicker wire size on spiral loop & it's a success. Instead of pulling wire through drilled holes, use small medium size nails slightly bent back to hold the wire on the outside. #16 stranded rubber insulated locally costs 5¢ a foot & using 23 turns, the high end of the band can be peaked up to 2500k, & almost as good as SM-2 - comments wanted. Is there anyone who'd build the FET amp, for me & tell me what he'd charge? 73.

FOREIGN

Trans-Polar DX
Gibraltar Broadcasting Co.

12/17, 12/27, 1/09
2/18

FEATURE

The Complete DX'er
What Is a Frequency Check?
Graveyard DX

12/17, 1/21
3/25, 4/22
4/22, 5/13, 5/27,
7/15
4/22, 5/13, 5/27,
6/17
4/22
5/27
7/15
7/15
9/16

Baseball Networks

The SB-620 and the DX-150A
The Sony TFM-1600
The CPC Dilemma: A Human Energy Shortage
Canadian Family Life
Helpful Hints for ID'ing Stations

TECHNICAL

Phased Loops & Assymetrical Reception Patterns
Modifications to the SM2 Antenna
The Etiology of the Great Circle Path
The FMS-3 Frequency Marker Standard
Sideband Receiving Adaptors
The Autek Q-Box
The MidWinter Anomaly is Alive & Well....(reprint)=
Easy DX Calculations
Comment on the FJP Arrival-Takeoff Angle Formula.....
A New Medical Breakthrough for Longwave TA's

12/17
12/17
1/09
1/09, 2/25
1/14
2/18, 5/13, 7/15
3/25
5/13
7/15
7/15

MISCELLANEOUS

Convention Report 1973
State of the NRC Report
Radio Free America Report
FF Report Form

10/29
11/05
11/12
7/15

STATION LISTS, etc.

Domestic Log Updaters
Dominican List
Frequency-Check List
Latin American Info
Brazilian Station Info
Norwegian Station Info
Reprint List
Pattern Book Updater
MexGlenn List
La Biblia Dice List
CBS Mystery Radio Theatre List
Back To The Bible List
Mexican Antenna Patterns
Cubajaitien List

10/22, 12/03, 2/25, 7/15
10/29
12/03
12/03, 12/27, 2/18
12/17
1/28
2/25
3/25
5/27
5/27
5/27
6/17
6/17
6/19

What Happened In Toledo You Ask?-Or Would You Believe A Convention Report?

By Gary Siegel (Because he was designated to be info man at a pre-convention meeting he was late for)

Toledo in '74 or in actuality Perrysburg in '74 is now history.

For those of you who attended this will represent a bit of nostalgia and for those of you who couldn't make it- eat your hearts out or make it to Hartford next year!

As best put by HWB or was it JS, Toledo will not be the same again because the NRC was here but somehow we will survive. The convention began Friday, August 16th with only a tour of WTOD-AM and WKLR-FM scheduled. We had about 15 early arrivals and only 5 members went on the tour, actually 6 if you want to count me, but I imagine a few members will not want to count me so I won't, hi! Anyway it was a fine tour I thought, lasting roughly about 35 minutes. I believe those attending were, Brian Pitman (thanks for your kind letter-I didn't forget, honest!), George Sherman, Bob Hostettler, Rich Eddie, and Robert (Save the Netherlands) Kramer. After the tour the carload of us picked up Mark Katz at the airport and enjoyed a 15 mile cramped ride back to the motel. Exciting so far!

Don Erickson was our first arrival and helped us put together the convention program. Thanks KDEE!

Saturday was the busy day indeed. At 1p.m. a tour of WTUU (ex-WTTO) was conducted and lasted roughly 2 hours with those attending getting an explanation of the complex day and night patterns that WTUU uses in order to be legal and be on the air. I would like to acknowledge both Bill Manders of WTOD and Lon Mitchell of WTUU for granting the tours and being patient through all the questions, etc.. After the WTUU tour, my group sought out a drive-in in Maumee, George Greene's group went back to Ramada, and AL (WAWO) Ogrizovich's group went someplace else or got lost, I'm not sure which.

Technical sessions were held that same afternoon and were conducted by Dave (Ghoti) Fischer and Ron Schatz. I noticed that most everyone was

listening intently and some very good questions were asked. As a matter of fact Russ (RJE) Edmunds had to clarify or assist with some of the explanations because the questions were so good. Audio quality and rapid playback methods of recorded DX were some of the topics handled by these experts.

After a brief recess, the banquet was held and attended by 49 of us. A total of 54 people were registered for Perrysburg '74 according to Frank (Wabash Marion) Merrill. According to this same very trusted person we had a run on the roast beef which was one of the meat selections available. You people don't like fish or chicken? Whatever happened to that boycott on beef anyway? Following the dinner, Royce Woodward of Woodward Frequency Measurements Co. in Mount Vernon, O., gave a well received address on his work and his experiences in radio work. Many questions followed.

The DX quiz- a brain child of Frank Merrill and yours truly was pondered by the "knowledgeable" convention goers. Prizes were awarded for the top two finishers. (A clock and a bathroom scale). Top prize went to Dave Grimm of Akron, a non-member but a DXer nonetheless, Dave was the beneficiary of having his score doubled because he was a non-member. He had a good score even without the bonus. Ron Schatz was second and claimed the scale. (Don't get any heavy DX catches, Ron, hi!) Ron nosed out George Greene by a half a point to get the scale. George would have won it had he not brought his friend Dave to the convention. Seems that Dave had to leave the convention early and was unaware that he had won first prize. George was forced to swallow his pride and take the prize to Akron and deliver it personally to Dave. Sometimes you just can't win for losing, right George?

The business meeting followed and publisher RJE has those details.

The annual NRC auction followed and was handled by "professional" auctioneer and big radio person, Mr. WGL himself, Al (WAWO) Ogrizovich. He had the pleasurable job of keeping the bidders interested in a never-ending stream of survey packets and old magazines. The highest bid item was a Texas

license plate with lettering N R C on it. It was claimed by license collector Wayne Plunkett for \$8.50. He had to fight Frank Merrill off for it as Frank wanted it, also.

The DXpedition followed and netted yours truly 7 new stations doubling my total for the month. All this while Dan (da midget) Myers was falling asleep in the back of his station wagon. He was awakened by a loud outburst of noise from some surprised listeners when KUUU Seattle was heard with a clear ID well over WAKR. Dan in his determination to hear KUUU forced all of us to stay there 45 extra minutes so that he could hear them, too. That wasn't very nice Dan we were all tired as hell!

That same a.m., according to rumor, Robert Kramer, head of the Toledo-Perrysburg Convention Havoc Committee, is said to have streaked the Ramada Inn. Can anyone verify this? If so you will truly have a unique QSL!

Sunday was a day of departure for many of the members, but for those who stayed Dan (dm- da midget) Myers surprised everyone by staging a pre-beverage picnic at his house. Everyone there enjoyed the snacks and drinks he had available.

From there it was on to the beverage site again for some SSS and MM DX. Some good receptions were logged such as KNEB 960, KQAA 970, KLNG and KTOP 1490. It was a quiet morning except for a persistent cricket who despite repeated attempts at silencing him by Jerry Bond, Bob Hostettler, Frank Merrill and me continued to do his thing. I believe that cricket was doing it on purpose, hi!

Robert Shaffer, a Toledo DXer got off work specifically to partake of the DXathon but never made it as he could not find anyone at the motel that Sunday evening, (We were all at Dan's but he didn't know it.), and wasn't able to contact anyone who could have told him where we were at. He didn't know the exact location of the beverage site so had to be content with DXing at home. A tough break. Robert, by the way, works at WMHE-FM where Toledo is

pronounced Tol-A-do by one of the staff members. He's in the wrong country.

Frank Merrill informs me that he was running around xtrading radio T-shirts. Literally tearing the shirts off the people's backs! Frank isn't that carrying the collecting hobby a bit far?

In regards to Toledo-Perrysburg being the easternmost "western" convention, this statement was predicated on the fact that Coors beer was imported by Frank Merrill, Dan Myers, and Don Erickson on a visit to Wichita and was served as part of the beverage selection.

In case there is anyone in the DX world who doesn't know about Coors beer, I can't imagine a DXer that doesn't know beer but I suppose there are some, it is made and sold only in the western states, thus the "western" connotation to this convention.

That's Toledo '74 folks and if you missed it wait 50,000 years and it might happen here again (like Comet Kohoutek) or you can attend the '75 NRC gathering in Hartford. See you there. 73s.

Lebanon denial back to FCC

The U.S. Court of Appeals has reversed an FCC order of March 6, 1973, which denied a petition by Lebanon Valley Radio Inc. for review of a decision by the commission's review board in a Lebanon, Pa.-Catonsville, Md., AM proceeding. The board had denied the mutually exclusive applications of Lebanon Valley and Radio Catonsville Inc., for construction permits for AM stations to operate at Lebanon and Catonsville, respectively. The Lebanon denial was proposed by Hearing Examiner Millard French who had found the transmitter site listed in the application was no longer available and alleged that Lebanon Valley was guilty of misrepresentation.

Later, in a civil law suit between the owners of site and Lebanon Valley, a local court directed Lebanon Valley to execute a deed to the land in question. The review board then reopened the record but affirmed Examiner French's denial on grounds that the group's principals had failed to meet FCC standards of "truthfulness and integrity."

In remanding the case to FCC, the appeals court questioned the hearing examiner's findings and said the review board's findings were not supported by substantial evidence.

CLIPPING CORNER

Broadcasting, Oct. 7, 1974

The following is a complete list of those registered and attended Toledo-Perrysburg 1974.

54 Members by State and Province		
Location	Number	Names and Cities
California	2	John Clements, North Hollywood; Don Erickson, Riverside
Connecticut	2	Frank Dailey, Preston; George Kass, (West Haven)
Florida	1	Ron Schatz, Vleta-Miami
Illinois	3	Robert Kramer, Chicago; John Callarman, Mt. Vernon; Karl D. Forth, Villa Park-Chicago
Indiana	3	Charley Keleher & Al Ogrizovich, Fort Wayne; Phil Swingley, Muncie
Kentucky	3	Don Eggert, Bowling Green; Gary Atkins & Dick Truax, Louisville
Massachusetts	2	Mark Katz, Brookline; Glenn Cooper, West Springfield
Michigan	3	John Daller, Ann Arbor; John Robertson, Crosswell; Richard C. Evans, New Buffalo
Minnesota	2	Bob Hostettler, Minneapolis; George Sherman, Rosemount
Missouri	1	Richard T. Eddie, Webster Groves-St. Louis
Nebraska	3	Carl "Skip" Dabelstein, Lincoln; Ernest Wesolowski & Dale Whitehead, Omaha
New Jersey	3	Bob Stonier, Glen Rock; Russell J. Edmunds, Parsippany; Joseph Fela, South Plainfield
New York	2	Brad Krohn, Buffalo; Jerry Bond, Rochester
North Carolina	1	Dave Fischer, Hickory (R. S. Station?)-dm knows what this means, hi!
Ohio	17	Far and away YOUR LEADER! George Greene & Dave Grimm, Akron, Mr. and Mrs. Henry Wesley Boyd, Girard, Mr. and Mrs. Jerry Starr, Hubbard; Ed "Motley" Krejny, Middleburg Heights; Geoffrey Fox, North Olmstead; Jim Wallace, Olmstead Falls-Cleveland; the following are all from Toledo: Gary Siegel, Frank Merrill, Dan Myers, Jess Nadel, Richard Roush, Robert Shaffer, William Shaffer, and Fred Vobbe
Pennsylvania	1	Tom Mc Cormack, Quakertown-for lack of a better name.
Virginia	1	Al Merriman, Fairfax- his car was safe here, hi!
Ontario, Canada	4	Jeff Falconer, Clinton; Dave Whatmough, Hamilton; Brian Pitman, Kingston; Wayne Plunkett, Weston.

THANK YOU ALL FOR COMING AND WE HERE IN TOLEDO HOPE YOU ALL HAD A GOOD TIME!!!

S**C**A**D**S

Another meeting of the Southern California Area DXers!

Yes, all DXers are invited... to... exciting POWAY!

The big date is Saturday November 23, from nine AM until whenever. One day only- this is the Saturday before Thanksgiving weekend.

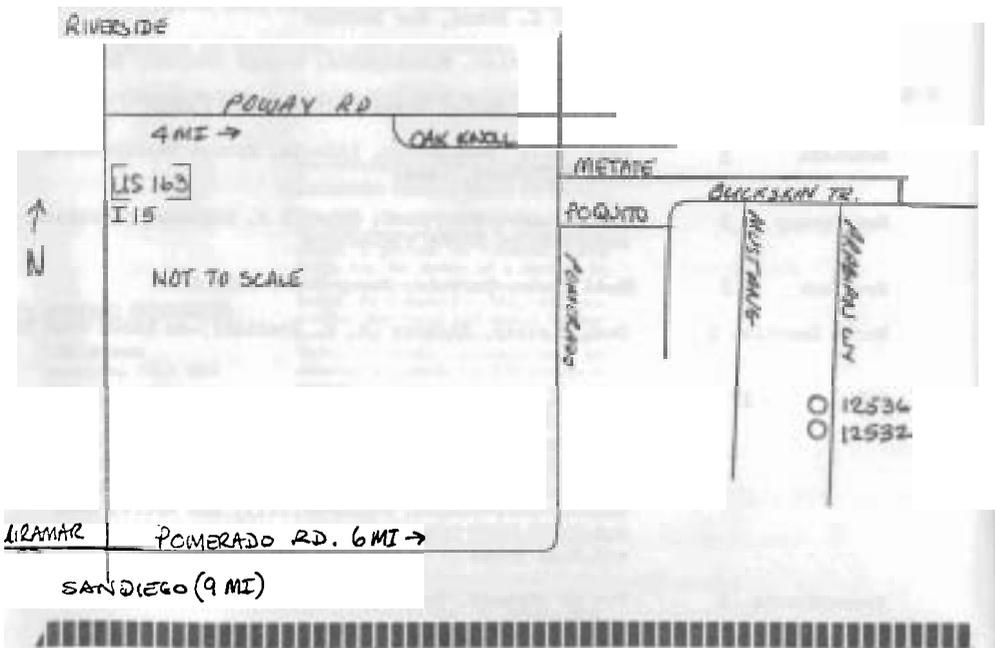
See an actual radio club put out an actual bulletin!
See exciting Poway!
See all kinds of groovy receivers, electronic gadgets, and your favorite DXer friend! (Can you dig it??)
See John Kolb clean up his DX shack so you can get into it!

For further information, contact either John Kolb, at 12532 Arabian Way, or myself at the above.
Phone numbers are: John 748-6405 Grant: 748-6538 566-1264

There will be a \$1.50 "registration" fee at the door, or before, whichever is convenient.

Please let us know if you plan to attend!!

Attached is a map, hand drawn even



Z Y B - 206

1030 KHZ

291.3 Metros

Rádio Sociedade Educadora Cariri Ltda.

Z Y B - 206

3305 KHZ

90 M i t i s s

CRATO - Rua Cel. Antonio Luiz, 1068 - Fone: 688/5 - Cx. Postal: 57 - CEARÁ

NRC THANKSGIVING DX GET-TOGETHER IN NORTH JERSEY

WHEN ?? Saturday November 30 at 12 noon to Sunday December 1 at 6pm.

WHERE ?? The Mountain Motor Inn, Route 46 Eastbound, Rockaway, N.J.

HOW MUCH ?? Registration fee, which pays for the meeting room, will be about \$5.00 per head. If you wish to sleep over, contact the Motel directly. Meals will cost you extra, hi.

WHY ?? The NRC has sort of traditionally held a Thanksgiving Get-Together in the New York City area for many years. You get to meet other NRC'ers, discuss DX & related topics, see some equipment, DX in North Jersey, etc.

HOW DO I GET THERE ??

** From PA & points west via I-80: Leave I-80 at the Rockaway-Hibernia exit, and follow the signs to Route 46 Eastbound. Follow Route 46 a few miles past such places as Rockaway Sales & Shoetown until you see the Mountain Motor Inn on the right.

** From NYC & points North & East via I-80: Leave I-80 at the exit marked "Cherry Hill Road, Route 202, Mountain Lakes". Follow Cherry Hill Rd. to Route 46 West, where you turn left. Follow Route 46 about 6 miles thru Denville, and back under I-80 again until you come to the Mountain Motor Inn on your left.

** From Points South: Either take the G.S. Parkway or the N.J. Turnpike North to I-287. Follow I-287 North through Morristown (we anticipate that the road thru Morristown will be done by then, if not, follow the signs back to I-287) to the exit for Route 46 and I-80 East. Go directly to Smith Rd., and thence to Route 46 West. Then follow the directions above for coming in from the east, except that it's a mile yet to get to the aforementioned Cherry Hill Rd. from where you get off I-287.

** From New York State, Western Mass., and other points North: Follow the Harriman (N.Y.) Thruway to the connection to the Garden State Parkway South. Proceed to the exit for I-80 West, and follow the directions for coming from the East; OR Proceed South on I-81 to its junction with I-80 in PA and follow directions in from West; or if you really want to see some scenery, follow U.S. 202 South from Route 17 to Route 46 and proceed as for directions from Points South, or take N.J. 23 South from High Point of thereabouts to N.J. 15, and then south to Route 46, and follow it via directions for westward-origination to the place.

BRING YOUR RECEIVER, LOGBOOKS, VERIES, TAPES, TAPE RECORDERS, SLIDES, PROJECTORS, AND OTHER DX STUFF IF YOU LIKE.

There is a restaurant and bar in the motel, and there is a less-expensive, and pretty good pankake house just below it. There's also a cocktail lounge and package store across Route 46, and there's a smallish Lafayette Radio affiliate store next to that. Nearby Denville sports a very good retail electronics supplier, as well as our illustrious printer's shop.

MAKE YOUR PLANS NOW TO ATTEND, BUT BE SURE TO LET US KNOW AT HEADQUARTERS IF YOU ARE COMING, AS WE NEED TO KNOW HO MANY FOLK TO EXPECT. HOPEFULLY EVEN SUCH MYTHICAL CREATURES AS BOYD, STARR, MERRIMAN AND MUSCO MAY BE THERE !!!

V-E-R-I-E- -S-I-C-N-E-R-S

A - Karl Forth
 C - Unsigned
 E - Jack Hathaway
 540 W LqI X R A Lombardi, CE
 W D A K C Skinner, CE
 550 C FqN B G Love, TD
 560 W Qm A M T Green, CE
 W GpA N L F Brewer, CE
 580 C FqR A W G Roach, CE
 W IqB W u/u
 W I L L R R Belden, E
 620 W BqT E D G Tonkin, CE
 W H E N R W Ardner, CE
 W VmM T B Jarvis, E
 640 W QqI D D Forsling, M
 680 K FqE Q D E Miss, COP
 690 W N N T D Londy, VP, GM
 W E L D E B Allen, CE
 730 W P I K J Burkbaum, CE
 740 W C A S R Star, PD
 W VhL N D Schnell, CE
 W KqI S u/u
 750 W H E B A Vaccaro, CE
 770 W ErW W Metler Jr., COP
 780 W A V A w Ashley, CE
 800 W C H A C Smively, CE
 840 W R Y M J Bunker, CE
 850 W KqI X F E Haupt, CE
 860 W ShB S T Joworski, NxD
 870 W F L O J B Wilson, M
 900 W I A M W Farrier, GM
 W JqW L S G Wallace, E
 920 W KqR T B L Mackey, CE
 W M E L J Siegel, CE
 W BqB B R Muschara, E
 925 P JqA 6 R A Mazelin, CE
 930 K K I N T Rust, CE
 940 W N R G Rhonda Looney, S
 W I N E P Carlone, CE
 950 W IqB X J T Dowdell, EDir
 W XrL W Patrick --?--, ESU
 940 K I O A O M Miller
 970 W C S H H Crosby, SM
 980 W S U B R J Marshall, CE
 W RqC M Enghouser, CE
 990 W L K W J Petit, CE
 1000 W H W B C Hass, CE
 W S U M W Hull, CE
 W K D E L Woodie, M
 1060 W G T R R Lund, CE
 1070 W IqB C R Brockway, CE
 1090 K AqA Y L Ruble, E
 1110 W G R G J Graham, P
 1140 W q B A R Bennett, CE
 1150 W C N X R B Holt, CE
 W D E L J Jones, CE, NRC
 1220 W J U N R S Parker, M
 W K B K G Draklotes, E
 W F A X M A Miller, CE
 1230 W E R I C Grande, VP, GM
 1240 W R O V A Beckley, CE
 W BfA X P Kelley, CE
 W C O U P Vincent, ControlE C
 W G B B A C Lush, CE

1240 W W O N "R. R. D."
 1260 W BrU D R M Hardin, GM
 1270 K W E B D Luell, PD
 1290 W IpC E R J Gurney, CE
 1300 W AmV Z D Schumeyer, CE
 W E R E R Groome, CE
 1310 W D O C W Lafferty, E
 W C A M J A Heal, TD
 W O R C R D Kenadeck, CE
 W IqF E M Smith, CE
 W G S A C Dengler, CE
 1320 W A G F J C Smith
 1340 W L O K R G Bice, CE
 K V I C J Koenig, TD
 W N H C C Grande, VP
 1350 W Z I X E Zug, CE
 1360 W W B Z F Fekel, CE
 W H B G H E Richardson, CE
 1370 W K F D V Martone, A
 1380 W A O K I Miles, C
 W T V R R Smallwood, A
 W LqC Y R Beattie, CE
 W NqR I J Britt, CE
 W Dm A T R Lange, VP
 1390 W Cps C A R Hughes, CE
 W Lm A N D Eberly, CE
 W R I V J J Sitone, CE
 W Em A M Rand, CE
 1400 W O N D E Storck, CE
 W I L I C Rice, CE
 W Efs T S Boyer, CE
 1420 W L I S S Jarvis, CE
 W KrC W J Boucher, CE
 W H K T L Braccanovich, TD
 1430 W BqN E J Fischler, CE
 1440 W BfC M R Sweeney, CE
 W Hri S K Dick, CE
 1450 W K R I J Mattias, CE
 K F T W J Dowd, TSU
 1460 W R T L R Brown, Co-0
 1470 W SqA N R H Musselain, TSU
 W OqH O A G Colwell
 1480 WpC FhR G Stearns, CE
 1490 W A Z L R J Gillenardo, CE
 1510 W M E X Susan D Burke AdmAsst
 1540 W L O I F Thomas, CE
 1550 W ErX T J G Eppler, CE
 W K B A B T Givaudan, CE
 1570 W PqE P R Lyons, CE
 w BpE E R Watkins
 1580 w C C R L Hickok, CE
 K G A F J O Miller, CE
 1590 W M I M E Romance, M
 WfE EhZ J C Cyckman
 W SfM A J P Sommerville, CE
 1550 K R G O Glenda Guthrie

Always remember - the half slow DXer always tries to verify all his catches, while the half fast DXer does not. SO, SEND IN YOUR VERIE SIGNERS WITH YOUR MUSINGS REPORT, ON A SEPERATE SHEET, WITH YOUR NAME ATOP IT, DOUBLE-SPACED. BE A 100% DXER - VERIFY! -ERC

Five Major Languages Broadcast from Cheju Station
 by Carl Lawrence, Director of Programming



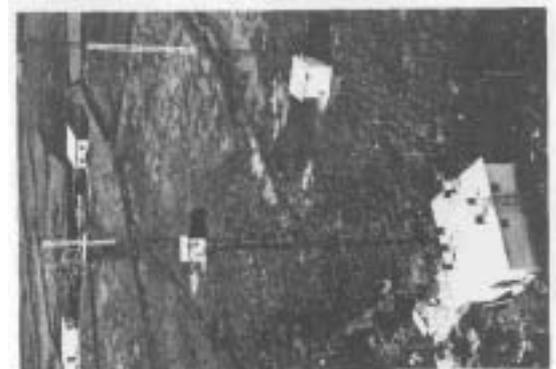
HLDA transmitter on Cheju Island, Korea.

HLDA is more than a radio station. It is a twentieth century electronic circuit riding preacher, whose working parish includes homes, factories and farms in China, the Soviet Union, Japan and Korea.

Located on the island of Cheju, off the southern-most tip of Korea, HLDA radiates the Gospel with 250,000 watts of power on the A.M. band. For the sake of comparison, it is five times more powerful than any commercial A.M. station operating in the United States.

HLDA broadcasts in five major languages: Mandarin to China, Russian, Korean, Japanese and English. The transmitter comes to life at 5:00 A.M. with two and one half hours to Mainland China and one hour of English to Korea. It returns to the air at 6:30 in the evening, broadcasting two hours to Korea, three hours to China, two hours to the Soviet Union and one hour to Japan for a total of eleven hours and thirty minutes, signing off at 2:35 in the morning.

able home in Taiwan to undertake the job of Chinese Program Director for HLDA. He is not only on the air every day "live" to China, but he also edits and coordinates the other languages as well. It is a difficult task and not the world's most ideal location in which to raise a family. But, the other day it all became worthwhile—Samuel got a letter from a listener in his hometown, Peking, the Peoples Republic of China.



Partial view of HLDA antenna field.

CLIPPING CORNER