



DX MONITOR

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THE INTERNATIONAL RADIO CLUB OF AMERICA

Saturday, July 14, 1973

Volume 10, Number 33

FLASH TIPS --The new "twins" will arrive soon in BC: 1370 1 kw Parksville //CHUB-1570, and 1340 Vanderhoof, BC //CJCI-620 Prince George. All "twins" must have a studio and a minimum of 3 hours of local live programs per day. Some of the older twins still do not have a studio, e.g., CKCR-1340 is still 100% // CKXR-580 Salmon Arm. (John Oldfield) Fundamentalist preacher Carl McIntyre said he plans to broadcast from a boat in the Atlantic ocean to escape FCC regulations that forced the shutdown of his radio stations, WXUR, AM and FM. McIntire said he plans to anchor a rented ship outside the 3-mile limit off the New Jersey coast and transmit from "Radio Free America." He expects to get started by July 19. (Clipping via Vern Maxham)

Elections--ballots on the election of President, Secretary-Treasurer, and Board of Directors are due by August 1. Get your ballot in the mail now.

Editor Wanted--a permanent editor for East Coast DX Roundup is needed. Deadline for applications to be received by Percy Kesteven is August 10. (No editor, no column...)

Convention--See the further information on the IRCA Convention elsewhere in this bulletin. Don't forget to send in your goodies for the auction.

Baseball lists are still available for a self-addressed stamped envelop to H Q. This lists all stations broadcasting major league teams.

Blank pages-- if you get any, let H Q know so we can replace them.

Other Conventions: CIDX, August 4-5, Kingston, Ontario. For information write their H Q, c/o Lorne Jennings, 169 Grandview Ave., Winnipeg, Manitoba R2G 0L4. ANARC will be in San Diego, July 27-30. For information write FJP. NRC Aug. 31-Sept. 3 In Boston; contact H Q, Box 99, Cambridge, Mass 02138 for info. WTFDA, Aug 2-5 Dunkirk, NY. Write Bob Seybold, Bennett Road, RD #2, Dunkirk, NY 14048.

New Members

Alan Mayer, 3119 Western Ave., Park Forest, IL 60466
Richard Lauhead, 591 W. Co. Rd. B, St. Paul, Mn 55113
David Boyd, 1856 Terrace Dr., Maple Glen, PA 19002
Adrian Peterson, C-51 Beechwood Ct., Berrien Springs, MI 49103
Don Weinzierl, 6100 W. 97th St., Oak Lawn, IL 60453

Welcome gentlemen; why not introduce yourselves with a Forum report?

New DX Magazine: SDPC has received a new publication, SWL Spectrum Magazine, P.O. Box 253, Deerfield, IL 60015. The first issue is 16 offset pages, sent via First Class Mail, published twice a month, with subscription \$3.00 for six issues. The editors include Steve Handler, Jerry Heien, Mark Koukol, and Donald Griffith, and they promise the magazine will contain "articles covering EVERY type of radio communications known...from VLF Submarine communication to UHF Skylab communications."

This issue of DXM contains 22 pages, plus membership cards for about 100 people.

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EASTERN DX ROUNDUP

Editor: Carol Schweiger- 41 Lawndale Road- Stoneham, MA

Deadline: for the Aug. 4 issue- July 25

- (PRD) Paul R. Daplyn- 830 Denison Crescent- Ottawa, ON, Can. K2A 2N5
rx- National HRO-500
- (JAD) James A. DeYoung- 1514 Greenbrier Dr.- Huntington, WV 25704
rx- Motorola X31N-1 w/2' IRCA spiral loop
- (JSM) James Mallon- 24 49- 28 St.- Astoria, NY 11102
rx- Lafayette 600-A
- (PRM) Paul Mount- 471 Emerson Av.- Teaneck, NJ 07666
rx- Panasonic RE6137
- (JMP) Jim Poterba- 949 Queens Drive- Yardley, PA 19067
rx- Hammarlund HQ 200 w/Space Magnet
- (TJS) Tim Saltmarsh- 33 Fowler St.- Penacook, NH 03301
rx- National NC-183; antennas-IRCA loop and 300' lw
- (TRS) Thomas R. Sundstrom- Box 205- Willingboro, NJ 08046*
rx's- HQ-150 w/SM-2, HQ-140X & DX-150A w/LW

THANKS FOR THE SUPPORT.

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- 550 WGNG RI Pawtucket 6-1, o/WGR 0400+ w/pop mx, consistently fair to good thru 0445. (TRS)
- 560 WGAN ME Portland 6-4, poor to fairly good all morning from 0100 thru 0300+, always dominating freq. WFIL off at 0100 to replace tower light xfmr. Hi noise level prevented ID of those u/WGAN. (TRS)
- 570 *WGMS* DC Washington: noted w/ET to 0201 ID (format cl. mx) 6/1 All alone. (JMP)
- 590 WEEI MA Boston; w/Len Lawrence Show 0305-0307 fair 5/28. (PRM)
- 600 WCAO MD Baltimore: finally hrd w/promo for comments to be sent to 40 W. Chase St... I'm in a deep null of their pattern, so this first time even though only 90 miles This 6/25 0230. (JMP)
- 620 *WVMT* VT Burlington: 6-10, w/ET-TT 0415 t/in thru 0430 w/ID fo ET, then TT continued. Mostly atop freq, good sig.(TR)
- 790 WAKY KY Louisville; atop WTAR w/phone show, 6/11 0030. A surprise! (JMP)
- 910 WGBI PA Scranton; good sig for 500w. 5/28 0125-0145 playing C&W w/little QRM.(PRM)
- 920 CJCH NS Halifax; 6/17 0038, fair w/"Kodochrome",(JSM)
- WJAR RI Providence; 6/28 0118-0125 w/rr. (JSM)
- 950 WPEN PA Philadelphia; 6-4, on late to 0140 s/off, but hrd some TT under the FL station w/was prob KFSA FC, no ID possible, afterwards. (TRS)
- 960 *WRFC* GA Athens; 6/5 0006-0020 w/tone and ID at 0020, "This is WRFC Athens GA on for equipment tests." (JAD)
- 1000 *KKIM* NM Albuquerque; at last logged on r/c-mx 0224 6/18, o/XEO: unID OC (not WCFL). Quick ID came thru, state #48 here (JMP)
- 1060 *KAMA* TX El Paso; another nice r/c, logged 0200-0206 6/25, r/c w/low-pitched tone to 0206. 0206 ID came thru fairly well, surprising for 1000 watts @2000 miles. (JMP)
- 1070 *WAPI* AL Birmingham; 6/19 0200, strg. w/ID, apparantly was on ET w/OC and using 50,000 watts, another ID, then the nx was hrd a few minutes later, but then was only in fair(w/5,000?). another example of "I just happened to be there when...", such is DX. (TJS)

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1070 WIBC IN Indianapolis; 6/19 0205, wx, nx, temp. was 52°, MoR mx poor u/WNCT.(TJS)
WNCT NC Greenville; 6/19 0200, rr mx, request # given as 946-1070, slogan as "NCT, Music Radio", CBS nx. gudo/WIBC.(TJS)
1130 WPUB SC Camden; 5/3 @1955 w/ID & rr mx, poor at best,u/WCAR.(JA)
1140 WCJW NY Warsaw; 6/6, w/2045 s/off quite readable thru WRVA & WQBA, w/SSB. Noise blanker did good job in quieting noise bursts from thunderstorms. Again hrd @s/off 6/17. New.(TRS)
1150 WGOW TN Chattanooga; does this one usually run AN? Noted AN-rr 6/27, often atop, so seems they would've been hrd before. Sked change?(JMP)
1240 WBAX PA Wilkes-Barre; 6/4, sticking out like a sore thumb following WJTN s/off 0103+ w/AN request show. New, despite being close (normally Wgbb has this freq locked up)(TRS)
WCNC NC Elizabeth City; 6/4, on ET-TT (1 kHz) w/IDs every two minutes from 0015 t/in to 0030 t/out. good sig. WGBB on air? WCNC new. (TRS)
WJTN NY Jamestown; 6/4, w/wx forecast 0058, s/off 0100 w/o SSB o/another unID SSB. New. (TRS)
1250 *KALO* AR Little Rock; 6/10, w/FC-TT per lists 0200-0215. Very poor u/WDVA w/WTAE off, but TT penetrated quite well. New. (TRS)
WIFS NY Fort Ticonderoga; nicely o/WDVA w/spts 2035, "Be Still and Know", then s/off 2043 6/15. New here. (JMP)
1270 WXYZ MI Detroit; First time hrd w/WADO on, 0223 ID & spot done by Johnny Cash on gas shortage. 5/26. (PRM)
1280 WWTC MN Minneapolis; 6/14, w/ID picked out of jumble 2230 w/WADO & CHAM momentarily disappearing, ID quite plain on tape. Looking for this one for last few months. New. (TRS)
1290 *WFBG* PA Altoona; 6/5 @0115 w/ID & test tone, on ET'ing. (JAD)
1310 CFGM ON Richmond Hill; 5/26 good w/nx at 0155, C&W mx to 0207. (PRM)
1330 WEBO NY Owego; atop w/end of s/off 2044 6/9-surprised haven't hrd them before. (JMP)
1340 *WBBQ* GA Augusta; 6/18, FC-TT hrd per lists o/WHAT w/IDs @0024, 0026, last one excellent. WHAT s/off 0030. New. (TRS)
WBGN KY Bowling Green; 6/2 at 0417 w/ID at 0430, used tone on this R/C per the list.(JAD)
WHAP VA Hopewell; s/off 0030 6/18 easily o/WHAT local. No SSB. (JMP)
WIZE OH Springfield; dominant all MM 6/11 w/rr format, in/out w/MM regulars. (JMP)
1350 WORK PA York; 6/1 w/Oriole BB 2300 fair, QRM. (PRM)
1360 WHJC WV Matewan; 5/21 at 2030 w/ID and s/off, announced 0600 s/on. (JAD)
1370 *KDTH* IA Dubuque; 6/13, w/quite readable ID at 0131 s/on for FC-TT per lists u/WSPD. Weak but clear. New. (TRS)
WABD KY Fort Campbell; 6/23, w/FC-TT per lists 0145+ w/good ID hrd 0150. WSPD not particularly strong, seemed to be auroral morning. New. (TRS)
WDEA ME Ellsworth; atop WSPD w/ET-OC, 0159 starting ID, 6/15. Total surprise. (JMP)

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1370 WFEA NH Manchester; briefly 5/30 2302-2305 w/rr, "WFEA, First in Manchester."(PRM)

WGOH KY Grayson; 6/11, w/ID for FC-TT at 0430 s/on, picked out thru WSPD. TT penetrated well. New. (TRS)

WTTT IN Bloomington; w/WSPD OC 0122-0136 MM 6/18, rr format. Rpt easily taken, WSPD off briefly from 0100-0200.(JMP)

1380 CKLC ON Kingston; 6/24 0032-0040 poor-fair w/rr o/WMEE.(JSM)

WWKY KY Winchester; 5/20 at 2035 w/ID as "the big KY", rr mx (JAD)

1390 *WANY* KY Albany; 6/11, w/0415 s/on for FC-TT per lists atop freq Ex sig, also announcing FM-106.3. New. (TRS)

WEED NC Rocky Mount; 6/4 on FC per lists w/TT. IDs at 0128, 013 good sig thru unID. (TRS)

1400 WRON WV Ronceverte; 5/15 at 2040 w/several ID's, spot for West Virginia University Scholarship Fund, poor. (JAD)

WVRC WV Spencer; 6/1 at 2033 w/wx for Spencer and vicinity, rr mx, fair. (JAD)

1410 WING OH Dayton; good w/no s/off WPOP w/Fantastic 500 weekend, r several ID's, 0315-0330 5/28. (PRM)

1420 WHK OH Cleveland; rr 0328-0335 5/28 good, SID 0335 "WHK, Cleveland". (PRM)

WWSR VT St. Albans; atop 0620 6/24, C&W format, looking for WTCR-KY but no-go. (JMP)

1430 WEIR WV Weirton; 5/20 at 2155 w/ID and rock mx, fair. (JAD)

1440 *WEZJ* KY Williamsburg; 6/2 at 0403 w/several ID's, tone used on this R/C per the list. "This is WEZJ Williamsburg KY. conducting on the air frequency tests."(JAD)

1450 WCTC NJ New Brunswick; s/on 0600, s/off 0010. (PRM)

WIZS NC Henderson; 6/2 w/ET-TT t/in 0015 to 0031 ID, back into TT of 1 kHz. New, no WILM w/Dave S. says is off NSP. (TRS)

WKIP NY Poughkeepsie; on SRS before WCTC s/on at 0500. MoR mx, SIDs 0542-0559 5/27. (PRM)

WLPM VA Suffolk; 6/4, 0040+ w/rock mx, lots of IDs & TCs between records whenever WIZS let up w/TT. New. (TRS)

WMAJ PA State College; 6/25, faded up for ID & TC 0105 ending news, "WMAJ... the music people," then back down & WMPT took over for good. New. (TRS)

WMPT PA South Williamsport; 6/25, hrd ending news headlines 0103, ID, into talk show. Continued to dominate rest of a.m. here. New. (TRS)

WOL DC Washington; 6/21, w/ID & TC 0110 atop WLPM & others while waiting for WLKS FC, not hrd. New. (TRS)

WREL VA Lexington; 6/12, w/FC-TT per lists 0005+ w/IDs at 0005 and 0010. Audio poor w/others on freq, but TT came thru well. New. (TRS)

1460 *WRVK* KY Mount Vernon; 6/2 at 0317 w/ID at end of R/C per the list. (JAD)

1470 WFAH PA Farrell; 5/29 at 2303 w/ID and rock mx, fair to poor. (JAD)

1490 WBCB PA Levittown; 6/25 fair w/rr," 3:30 edition of the WBCB nx" 0327-0338. (PRM)

1500 WKBX NC Winston-Salem; 6/24 0140-0200 poor-fair w/C&W, "The Big K" ID. (JSM)

PLEASE GET REPORTS TO ME ON OR BEFORE DEADLINE. LATE ONES WILL NOT BE DESTROYED, BUT PLEASE TRY TO BE ON TIME.THE POST OFFICE MAY BE PARTLY TO BLAME FOR THE LATE ONES!!!

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1510 *WAHT* PA Annville; 6/19, 0017, f/c, fair u/WMEX w/TT.(TJS)
WRAN NJ Dover; 6/18, 2200, rr mx, jingles, UPI nx, gud w/WMEX.
(TJS)
1520 WCSV TN Crossville; 5/13 at 2035 w/ID and MoR mx, very poor.(JA
1540 *WRCP* PA Philadelphia; 6/28 w/ET, tones, ID's very frequently,
hrd vry well 0113-0204. (PRM)
1550 CBE ON Windsor; 6/26 good no QRM w/CBC nx, wx, s/off 0107. (PR
WKYE TN Bristol; 5/29 at 2014 w/ID and MoR mx. (JAD)
WSHN MI Fremont; 6/2, FC-mx per lists 0105+ but sure sounded
like ET to me. A very complete wx forecast 0110, then
comprehensive ID, then more mx, good sig. (TRS)
WXVA WV Charles Town; 6/24 2038 s/off, advising listeners to
listen to 98.3 FM until 10PM. (JSM)
1560 WAFI KY Middleboro; 5/13 at 2030 w/ID out of jumble, very poor.
(JAD)
WCCP SC Clemson; 5/13 at 2020 w/ID, s/off and SSB. (JAD)
WDXR KY Paducah; 6/19, 0130, nx w/Joe Garrison, wx said temp wa
82°, rr, poor o/unID. (TJS)
1570 WBUX PA Doylestown; 6/27 1927-1930 pop music, into Mutual nx.(JS
WSWV VA Pennington Gap; 5/13 at 2000 w/ID and s/off w/announcer
and SSB.(JAD)
1580 CBJ QE Chicoutimi; 6/28 0057-0100 classical mx FF ID.(JSM)
KTUF AZ Tempe; strong w/ET way o/WSRF 0324 to 0401 6/3. Had
KNIX pgms, most of the time w/occasional KTUF IDs,c&w
& pop mx. (PRD)
WCRV NJ Washington; 6/27 0732-0735 news o/WPGC. (JSM)
WPGC MD Bradbury Hts.; 6/27 0732-0735 rr traffic report poor to
fair u/WCRV.(JSM)
WPUV VA Pulaski; 6/5 at 0730 w/ID and spot for Ford dealer,
good. (JAD)
1590 WAKR OH Akron; 6/9 fair w/WWRL QRM,rr, nx 0130 many IDs, many
fades 0119-0137. (PRM)
WEEZ PA Chester; 6/24 2229-2231,MoR, "WEEZ Chester" ID. (JSM)
WQQW CT Bridgeport; 6/2, s/off noted 0105 w/SSB anncing s/on
as 0555. Add to log w/is missing s/on time.(TRS)
1600 WHBT TN Harriman; 5/29 at 2000 w/ID after nx, Roane County men-
tioned often. (JAD)
1340 unID ?? 6/4, 0158, "this concludes the equipment test of WC??,
(location--I think)," following a pause from end of var-
ying TTs. Not much to go on, but strong at start of ID
was garbled. Who?. (TRS)
THESE JUST IN:
770 WABC NY New York; 6/25 s/off 0100 for xmtr tests. (PRM)
830 *WNYC* NY New York; 6/26 xmtr test hrd excellent w/tones and IDs
every 5 minutes, 0015-0045. (PRM)
1270 WXYZ MI Detroit; 6/27, gd w/"Baby Blue" ID, 0210-0213.(PRM)
1440 WAAB MA Worcester; 6/25 good w/mx"from '53 to '73" 0320-0326 ID
(PRM)
WNOC VA Tidewater; 6/25, fair w/QRM though listed to be off-
CoF list, w/rr, spots for Hampton record store 0215-
0248. (PRM)

PER THE LIST:

- 1st Sat-WBGN-1340 KY (JAD)
- WEZJ-1440 KY (JAD)
- WRVK-1460 KY (JAD)
- WSHN-1550 MI (TRS)
- 1st MM-WEED-1390 NC (TRS)
- 2nd Sun-KALO-1250 ar (TRS)
- 2nd MM- WANY-1390 KY (JMP)(TRS)
- WATS-960 PA (JMP)
- WCYN-1400 KY (JMP)
- WGOH-1370 KY (JMP)

- 2nd Tues- WREL-1450 VA (TRS)
- 2nd Wed- KDTH-1370 IA (TRS)
- 3rd Fri- WFOY-1240 FL (JMP)
- WQDE-1250 GA (JMP)
- WSKE-1050 PA (JMP)
- WWDR-1080 NC (JMP)
- 3rd MM-WBBQ-1340 GA (JMP)(TRS)
- WCON-1450 GA (JMP)
- WGAU-1340 GA (JMP)
- KKIM-1000 NM (JMP)
- KWKY-1150 IA (JMP)
- 3rd Tues-WGTN-1400 SC (JMP)

- 4th Sat- WABD-1370 KY (TRS)
- 4th MM- WBCB-1490 PA (JMP)
- WBFD-1310 PA (JMP)
- WCMS-1050 VA (JMP)
- WHUN-1150 PA (JMP)
- WJDY-1470 MD (JMP)
- WNAK-730 PA (JMP)
- WTON-1240 VA (JMP)
- KAMA-1060 TX (JMP)
- 4th Wed-WGEA-1150 AL (JMP)

Real good turn out this time. Keep it up!! For those of you that don't know me, here's an intro; I'm 17, a senior in Stoneham High School, and am very sports minded. I hope to major in either meteorology, astronomy, or geology in college. 73's and keep up the GREAT SUPPORT.

HQ

Well, hopefully we'll be offset by next issue (we had better) and again, this will give us much more versatility as to what we print, with much less work (physical labor) around here. The main problem is time, which with a new house, and new status, have little left for myself as it is. I would like to thank Father Jack, for all he's done both for this issue, and in the past, if it wasn't for his unselfish giving, the DXM as you will know it shortly would have never gotten away from the drawing board. This brings to mind another pet peeve of mine, and that is: this is a club. The rest of you out there, can do your part by supporting your local editor, or by taking part in the running of the club, by being an editor, or (when we get more order around here) an active part in a membership committee. As for myself, I plan to see this through (I guess) despite some flack from certian hung up persons, but but feel most strongly the BOD is going to earn their status this time around, or there will (or certianly should) be changes. Too many have sat too long in IRCA. A personal re-intro: 27, live alone here, DX with Collins R390A, and R389, Drake SPR-4, and a National AN/WRR2 (2-32 MC synthesized to 1KC) Various antennas are planned, but have only a 100' LW, and my trusty FET loop. I personally welcome comments, ideas, what have you, don't expect an answer, but be assured, I read 'em all, and show the good ones to FJP, so he can have a laugh too! Hope to meet many of you as possible at ANARC, here, this month... bring wine!

DX... Grant

14 JULY 1973

CENTRAL DX ROUNDUP

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EDITOR: Richard C. Evans - Box 2048 - Gary, Indiana 46409

DEADLINES: Wednesdays 7/25 8/29 9/12 9/26 10/10, then weekly!

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OF SPECIAL INTEREST:

- 1220 OK KRMC Midwest City, s/off w/instr. SSB 2145 6/20. Address per verie is Box 94100, Midwest City, Okla.73110(DR)
- 1280 LA WGSO New Orleans, ex-WDSU. Fair o/QRM w/guess amt. in jackpot type game & into Mx 2140 6/20. (DR)
- 1430 IL WVVX Highland Park, ex-WEEF, both AM & FM, hrd on new call w/prog. rock format. (DP)
- ++++
- 680 NC WPTF Raleigh, good with "Interstate 68" show 0027 6/8, C&W Mx, free road atlas offer. (JCK)
- 740 OK KRMG Tulsa, spot for dept. store at 4269 S.W. Blvd., pop Mx, poor. 0221 6/23. (JCK)
- 780 OK KSPI Stillwater, s/off w/no anthem 2145 6/19 w/invitation to tune to KSPI-FM 93.9. (DR)
- 850 MI WKBZ Muskegon, poor w/Nx followed by s/off 0000, with two verses of SSB, 6/9. (SW)
- 910 WI WDOR Sturgeon Bay, good o/u WLS slop w/Ai Nx 0700 6/21(DP)
- 920 ONT KCKY Sault Ste. Marie, way over everything w/Sports Scoreboard and Don Wayne Show, pop Mx 0030 6/30(JCK)
- 970 FL WFLA Tampa, promo for "WFLA Good Humor Time" and "Contact" spot 2148 6/20 with KAKC looped. Best FL stn here(DR)
- 1110 OK KEOR Atoka, s/off 2146 6/20 w/men. was owned & operated by Okla. Bcing Co & invitation to tune to KTEN (FM). Gud over KFAB. (DR)
- 1170 OK KVOO Tulsa, poor u/WWVA and KSTT w/ID, WX and country Mx, 2335 6/20. (SW)
- 1260 MI WJBL Holland, in good o/WEKZ with local spots and MoR 1544 6/21. (DP)
- 1270 IN WCMR Elkhart, surprisingly above WWCA w/mention of local safety hazards, 1412 6/21. (DP)
- 1280 IN WGBF Evansville, MoR Mx and storm warnings (storms too!) 0040 6/19. S/off 0100, SSB. Quick v/q. (JCK)
- 1300 MD WFBR Baltimore, Good w/Dave King Show 0107 6/18, no spots thru 0130. Apparent WERE s/off 0115. (JCK)
- 1330 SC WFBC Greenville, fair w/R&R & NBC Nx on the hour on congested frequency, 2355-0005, 6/14. (SW)
- 1420 MI WKPR Kalamazoo, in good at s/on 0600 6/16. (DP)

A TIP OF THE HAT THIS WEEK TO:

- JCK - JOHN C. "CHARLEY" Keleher, 3924 Sleepy Hollow Lane, Fort Wayne, Indiana 46804
- DP - DAVID PETERSON, 800 Humboldt Avenue, Winnetka, Illinois 60093
- DR - DAVE ROGERS, 623½ Kansas, Norman, Oklahoma 73069
- SW - STEVE WAYMAN, 12 East Oak, Villa Park, Illinois 60181

I hate to see Nancy quit as EDXR editor--you've done a good job. I'll be among the first, though, to say that work comes first. And, speaking of that (hi), I didn't take the job in Chicago, after all. Key Line twisted my arm. The way things stand now, I'll transfer back to Michigan sometime this fall. Campaign statements last month looked interesting. A hard choice to make in some cases. I'm starting to get a mild case of convention fever myself, and am looking forward to next month. The June bulletin marked my 100th consecutive column without missing a bulletin. Only Father Jack can boast of a better record. It's late, so...73.

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WESTERN DX ROUNDUP

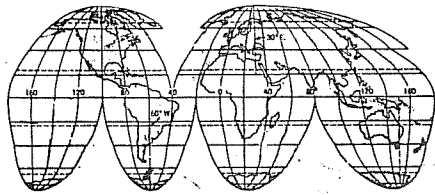
Editor: Jeff Brasier - 10341 Shirley Avenue - Northridge, CA 91324

Deadlines: one week before publication date

The Good Guys are:

- (MM) Mike McCullough - 5240 Rhonda Drive - San Jose, CA 95129
ARB w/SM-1
- (BH) Bill Hardy - 303 West 10th Street - Aberdeen, WA 98520
G.E. C-2510 w/built-in loop
- (JAB) Jeff Brasier - 10341 Shirley Avenue - Northridge, CA 91324
Hammarlund HQ-129-X w/4' box loop

- *****
- 580 KIKX AZ Tucson 7/2 w/ET + v. gud sigs.-no QRM, 0513-0530. (JAB-CA)
 - 670 KBOI ID Boise noted w/new schedule, they are AN-1 (all night on MM) and the usual 0230 s/off and 0700 s/on on the other days. (MM-CA) (this should give anyone east of ID a chance for that state w/WMAQ off-JAB)
 - 835 KSOUR CA Sherman Oaks- a 5 watt pirate stn. heard here 6/15-17 on a 72 hr marathon playing herd rock album cuts. They gave phone # over the air, and amcn. as being on 830, but drift up to 840 and down to 825. Schedule is Saturdays only from 0500-Sunday 0300. If you want their phone or address just write me or listen to them, if you can! (JAB-CA)
 - 930 KHJ CA Los Angeles- I have figured out that their SP is on the 2nd MM every 3 months. Next SP- 9/10. This due to a 3 SP sequence. (JAB-CA)
 - 950 KIMN CO Denver noted AN on MMs 6/18- (MM-CA)
 - 1060 KAMA TX El Paso heard w/r/c MM 6/25 0201-0206 w/ gud sigs + KUPD QRM. (JAB)
 - 1130 CKWX BC Vancouver 6/18 0510 noted OFF, 1st time ever noted off here. Channel v. empty though; mostly KPNW-1120 slop. (BH-WA)
 - 1135 KAYO WA Seattle (yes that was freq.) noted in fair w/RS and no mention of ET, 0709-0726 6/18. I did not notice them on 1165. (MM-CA)
 - 1250 KTW WA Seattle heard 7/2 0700 w/UPI nx, and EL mx w/no spots. (JAB-CA)
 - 1440 KGLX OR The Dalles noted AN w/new calls w/RR mx. Call change noted in May.*
CFCP BC Courtenay 7/2 0405 "Coast Radio" appears AN now w/c+w mx. *(MM)
Gud sig here as usual. CFWB-1490 is //. (BH-WA)
 - 1450 KRZY NM Albuquerque noted here 7/2 on RS w/c+w mx battling w/KONE. (JAB-CA)
KAYE WA Puyallup 7/2 0413 1st time here since 1965 (not on this late in recent past). Old-sounding KAYE jingle in mx show (MoR or Relig.)? This stn. having internal problems, re: ownership, not to mention FCC hearing; has applied for a new call; expect them to do anything.φ
 - 1460 KDON CA Salinas noted AN on MM 6/25. I hope this doesn't become reg-φ (BH) ular. (MM-CA)
 - KENO NV Las Vegas has a 3 hr SP every month, possibly at last MM since they did that twice in a row. (JAB-CA)
 - 1490 KVAC WA Forks 7/2 0315 clear ID + explaining f/c, then TT + Morse code IDs about once a minute. Another vocal ID at 0320, s/off 0330. CFWB and others underneath. VERY much wanted here at 70 mi. (BH-WA)
CFWB BC Campbell River "Coast Radio" appears AN now w/c+w mx (see CFCP-1440)+
 - 1530 KCLR TX Ralls in fairly gud w/C+W mx, wx, all alone 0730- on their s/on+(BH) 6/25. If you need an easy Tx stn. try this one. (MM-CA)
 - 1550 KCAN TX Canyon in fair to gud w/s/on and c+w mx every MM at 0730 s/on. Fair to gud til 0750 or so. Gud bet for a low pwr TX stn. 0730- during June. (MM-CA)
 - 1560 KGUL TX Port Lavaca in fair w/ID, wx, nx, and C+W mx, all alone w/little static, 0706 6/25. (MM-CA)
 - 1570 KRSA CA Salinas 7/1 w/C+W mx and QRM from XERF + KCVR. 2300-2330. (JAB-CA)
 - 1580 **WEJY**AL Talladega in pr w/the last part of their s/on ment'ing city of license, pwr, + freq. all alone w/local KLIV off. Little static, 0630 6/25. Quite a big shocker here, taped. (MM-CA) (and who says that summer DX is a drag??-JAB)



DXWW

Editor: Father Jack Pejza
3266 Nutmeg St., San Diego
CA 92104. Hot line: 714-
282-0076 or 282-2184. Use
GMT (EST + 5 hours) in re-
ports, one side of page,
preferably typed in order
of frequency and by region.

REPORT FROM THE PHILIPPINES--Charles A. Taylor, De Leon Apts., Calle Nueva, Sorsogon, Sor H-318, Philippines
The administrative conference of the ITU which is set to meet in mid-74 has on its agenda the discussion of rechannelization of Asia on a 8 or 9 kHz plan vice the present 10 kHz separation plan. Also Europe will discuss rechannelization on a 8 kHz separation basis. (Did you know that the Copenhagen plan calls for 8 kHz separation from 1538 to 1602 kHz? Check your log on Europe.) It seems almost a foregone conclusion that Asia will adopt the 9, or even the 8, kHz plan. That, of course, would open many more TP channels to NA, unless the NARBA signatories decide to adhere to the new plan. Although I don't have any info on the U.S. position on this plan, it cannot be ruled out. That would create several new channels. Next summer will tell. DX has gone down with the onslaught of "super-summer" conditions here. QRN is everywhere, and it won't be improving till about November for us here.

- 955 XZK Burma, Rangoon, Burma Broadcasting Service. IDed at 1530 6/1 //5040.084 kHz SW. Is regular nightly, first time IDed. 50 kw. S/off 1600 per WRTH-73. Measured as 955.012.
- 955 ??? Khmer, Bokor, 1 kw relay of Radiodiffusion National Khmere listed here. Must be my UnIDed Cambodian speaker here nightly causing slight/severe QRM to XZK. Alas, I don't understand Cambodian! 955.001
- 955 ??? UnID strong jazz music here at 1824 6/4. Can be heard causing 1.2 Hz SAH to Bokor, Cambodia (assumed) before 1600. Suspected listed HLKS 10 kw Cheju, South Korea, but not //HLKA-710. No IDs, maybe an ET of some sort. A TE?(Trans-Eurasian). 955.000
- 1230 ... China, Changsha, Hu-Nan Jen Min Kwang Po Tien Tai (Hunan Peoples Republic BCstg Station, I think) positively IDed at 1620 s/off 5/8, as per WRTH-73. Regular here, just first positive ID. Didn't check frequency. Has made it to Europe.

REPORT FROM BULGARIA--Charles Molloy on holiday at Drouzha, a Black Sea resort 10 km north of Varna. The receiver was a 10 transistor portable with internal antenna. The band was quiet with a noticeable absence of the German stations that dominate the MW after dark at home in England. On many channels there was only a burble or flutter. Stations to the west were rather weak probably as a result of screening by the Balkans. I would like to have had a more powerful receiver and a MW loop; the results would probably have been interesting.

- 548 ... USSR, Odessa, IS and Mayak 1358 5/31.
- 557 ... Romania, Tirgu Jiu, //854 at 1403 5/31.
- 575 ... Israel, Quadime, talk about Jerusalem, 2025 5/31. Fair.
- 593 ... Bulgaria, Pleven, classical music, //773, 1405 5/31.
- 602 ... Romania, Bucharest, //155 2035 5/31.
- 629 ... Romania, Timisoara, //155 1410 5/31.
- 647 ... USSR, Simferopol, strong signal, program No1 1248 6/1.
- 665 ... Syria, Damascus, Arab music 2040 5/31.
- 701 ... Turkey, Istanbul, very strong with pops 1330 6/1. Carries own program, not //182 kHz.
- 746 ... Syria, Aleppo, Arab music and singing 2050 5/31.
- 764 ... Sudan, Omdurman, talk in AA, good signal 2052 5/31.
- 773 ... Bulgaria, Varna, classical music 1405 5/31.
- 782 ... USSR, Kiev, talk in RR //173 and 236 at 1438 6/1.
- 782 ... Syria, Tartus, Arab music 2055 5/31.
- 791 VOA Greece, Kavalla, Breakfast show news, weak 0605 6/1.
- 818 ... Egypt, Batra, talk in AA 2058 5/31.
- 836 ... Lebanon, Beirut, Arab music and singing 2102 5/31.
- 854 ... Romania, Bucharest, local music and singing, //1457 at 1425 6/4.
- 899 ... USSR, UnID talk in RR, fair signal 2110 5/31.
- 971 ... USSR, UnID, IS and then in AA, good signal 2030 6/2.
- 998 ... USSR, Kishinev, singing, fair signal 2035 6/2.
- 1052 ... Romania, Iasi, pops 2038 6/2.
- 1061 ... Turkey, Diyarbakir, Arab style music 2040 6/2.
- 1124 ... Bulgaria, Varna, news and weather in EE, programs for tourists, 0605 6/4. Also in GG at 0700.
- 1133 ... Yugoslavia, talk and applause. Good signal 2045 6/2.
- 1142 ... Greece, Athens, pops at 2048 6/2.
- 1178 ... USSR, Kiev, opera 2055 6/2.
- 1250 ... Libya, Tripoli, Arabic with QRM 2059 6/2.
- 1295 ... Bulgaria, Shumen, local music 1312 6/1.

- 1340 ... Hungary, Budapest, music with het 2020 6/3.
- 1421 BBC Cyprus, BBC relay, "World News." Fair 2010 6/6.
- 1430 ... USSR, UnID, opera, good signal at 2005 6/6.
- 1457 ... Romania, Constanza, "Radio Holiday." Multi-lingual program for tourists, 1500 6/1.
- 1475 ... USSR, UnID, classical music, strong signal 2001 6/6.
- 1538 ... USSR, UnID, pops in RR, strong signal 2010 6/6.

LISTENERS' LOGGINGS--TRANS-ATLANTIC

- 818 ??? UnID carrier with considerable hum 6/8 from 0257 tune-in until it abruptly left the air at 0259. Lower Africa was good on 120 meters but if this was Radio Zambia's new transmitter it should have been signing on, not going off. (CMS,E)
- 1286 ... South Africa? Transmitter here 5/17 apparently // Springbok Radio on 3997 although the MW outlet, which was strong for a few seconds at 0347 but faded rapidly, was heard too briefly to be certain. On this date Reunion-2446 had been comparatively strong. Some one was on 1286 5/26 at 0250 with what seemed to be a special report possibly on Skylab docking //3997. If it was on Skylab it is ironic because the VOA provided noticeably limited coverage of this SciFi adventure. At this time RBC was faintly audible on 2336 under a strong carrier. (CMS,E)
- 1529 ... USSR re my logging of 1/31--despite R. Moscow's claim that they don't operate on this frequency, a recent EBU listing acknowledged in the 4/18 DX News shows a Soviet transmitter on 1528.89. Re my previous comments linking OTH radar, trans-polar anomalies and one motivation for Moscow secrecy, OTH radar technology must be able to distinguish between neutral anomalies and those created by rocket blasts. (CMS,E)

TRANS-PACIFIC

- 650 KORL Hawaii, Honolulu with SID and continuous talk format 7/2 0855. (GMA,W)
- 740 2BL Australia, Sydney, tentative 7/2 MM 1026, male in EE with popular selections. Much static, poor reception. (CAB,HI)
- 750 4QS Australia, Toowoomba, tentative 7/2 MM 1031, classical music with male announcer in EE. Static, fair reception. (CAB,HI)
- 860 1YZ New Zealand, Rotorua MM 7/2 1036 with local and world news. Very good reception, like a local. (CAB,HI)
- 1020 A3Z Tonga, Nuku'alofa fair, noted in passing with ID by YL 0800 6/19. (MCC,W)
- 1100 3ZB New Zealand, Christchurch 7/2, TC "15 before 11" in EE by male; top 40 format with dedications. The Zedders were static free this morning. (CAB,HI)
- 1130 KLEI Hawaii, Kailua fair with Big Band Sound ID at 0831 6/18, CKWX off. (MCC,W)
- 1385 WXLE Canton Island, with quiet music 7/2 0937. (GMA,W)
- 1510 2NA Australia, Newcastle poor, possibly the one with classical music mixing with HJHX and other SS 1050 6/18. (MCC,W)
- 1550 4QD Australia, Emerald, fair with TC, regional news 1110, IDed as "This is ABC2," TC 1115 6/18. (MCC,W) +with news and Royal bisbane hockey results 0912 7/2. (GMA,W)
- 1560 2RE Australia, Taree, NSW, a real surprise on an otherwise rotten AM. Noted rock mixing with XEJPV 1129 6/18, decided to stick around for an ID. Finally, at 1146 heard "2RE means more music with Gred Ryan" then 1158 TC and promo for "Radio's Golden Anniversary." 1200 5 pips, TC by YL and "CQ" repeated 3 times in Morse code; 1204 more rock. Lost around 1210 due to LSR. A nice way to end the old season and/or begin the new one. Reported. (BP,W)

LATIN AMERICA

- 910 ??? UnID SA from about 0720-0900 7/2. At least I think it was SA, can't really be sure. With SA-style music. But then, I thought I heard some mentions of US addresses! Couldn't understand announcer, but got a

good tape. Local KDEO had OC, KNEW gave some competition. (ASL,W) [Could be either KOXR or XEAO.Ed]
 980 XENR Mexico, Nueva Rosita, Coah. 4/7 about 0405. Sounded like news broadcast with several spots. Extremely weak under KFVB. Tentative report sent. (ASL,W)
 985 OBX4J Peru, Lima. The NA heard here 4/2 0600 has been positively IDed as the Peruvian NA by Page Taylor. (AMG,E)
 1040 PRG2 Brazil, Sao Paulo, R. Tupi found atop channel at 0225 5/19. (CMS,E)
 1050 XED Mexico, Mexicali, BC in very good at about 0505 7/2. Several IDs as XED plus mentions of Mexicali. (ASL,W)
 1100 PRG9? Brazil, Sao Paulo, Radio Nacional tentatively IDed as the Brazilian under WWWE 5/19 0220-0230 with R. Tupi atop 1040 and Brazilian good on 2390. Brazilians had been good 2 previous evenings as well.) Noted again on 1100 kHz 0325 5/22 under similar conditions except WHO was much stronger on 1040 and R. Tupi could not be heard. Evening BCB reception from Brazil is VERY rare here. (CMS,E)
 1162.5 HRGF Honduras, Ciudad de El Paraiso, additional information from Sr. Villafranca: power is 1 kw into a 200 foot vertical which has been adjusted to 1165. The station has moved to 1165 from its assigned frequency of 1150, due to "problems from a station in a nearby city on 1120" (I think referring to Radio Oriental in Danli). (AMG,E)
 1450 XE.. Mexico, UnID 7/2 0820. Several mentions of slogan, "Radio Cali" by male announcer. Mixture of Mexican and CA music. Any ideas? (ASL,W)

DOMESTIC NON-ENGLISH STATIONS

730 WACE MA, Chicopee 4/29 1925, male announcer sounded like RR. (TJS,E)
 800 WCCM MA, Lawrence, 5/6 1305-1330, SS and EE programming, (TJS,E)
 830 WNYC NY, New York, 4/28 2320, SS programming. (TJS,E)
 840 WRYM CN, New Britain, 4/28 2315, SS talk and mentions of several LA countries, LA pop and songs. Polish mx 4/29 1628, some Polish spots. (TJS,E)
 900 WOTW NH, Nashua 4/29 1525 Greek talk and polka music, most spots in Greek, few in EE. (TJS,E)
 1110 WHIM RI, Providence 4/29 1532-1600, SS talk and "LA songs" that sounded more Greek than SS, hi. "WHIM" jingles every 15 minutes. (TJS,E)
 1280 WADO NY, New York, 4/29 0830, SS with "LA pops." (TJS,E)
 1310 WQRC MA, Worcester, 5/6 1345, GG talk and music, many EE spots at 1350. (TJS,E)
 1330 WPOW NY, New York, 4/27 0000-0100 Fridays, Ukrainian Catholic Church Hour in Ukrainian. (TJS,E)
 1350 KABQ NM, Albuquerque calls itself the 5000 watt SS Voice of NM. Uses EE and SS IDs on their f/c. (JAM,C)
 1500 WFIF CN, Milford, 5/6 1354, what sounded like SS programming, not 100% sure though. (TJS,E)
 1550 WNTN MA, Newton 4/29 1640, Italian talk by male and YL announcer, II music. (TJS,E)
 1600 WUNR MA, Brookline, 4/28 2330, SS programming. (TJS,E)

VERIFICATIONS

650 KORL Hawaii, Honolulu, received 2nd verie card, this one from Alan Roycroft. KORL shares tower with KOMB, KIKI, KHVH, KZOO and KPOI according to him. (ASL,W) [Should be KGMB, I think. Ed]
 750 JBC Jamaica, Point Galina, Port Maria, sent nice picture postcard with full verie statement. 19 weeks for 3 IRCs. V/s: R.M. Bent, 5 South Odeon Avenue, Kingston 10, Jamaica. (RVM,E)
 780 ZBVI British Virgin Islands, Tortola, Roadtown, sent beautiful postcard picturing map of islands, included complete verie statement. V/s: Leopold N. Milles, Manager. 24 weeks, but worth the wait. (RVM,E)
 885 PJC2 Netherlands Antilles, Curacao, Willemstad, black and white "cactus" QSL of R. Curom, full verie details, took 12 weeks for 4 IRCs. (RVM,E)

REPORTERS

AMG 2 Angel Garcia, Flushing, NY
 ASL 5 Albert Lobel, El Cajon, CA
 BP 1 Bruce Portzer, Seattle, WA
 CAB 4 Credo Bisquera, Wai'anai, HI
 CMS 5 C.M.Stanbury II, Crystal Beach, Ont.

GMA 3 Grant Manning, Poway, CA
 JAM 1 Joe Markewicz, Winnipeg, Manit.
 MCC 3 Mel Coffin, Mission City, B.C.
 RVM 3 Randy Minnehan, Columbus, OH
 TJS 12 Tim Saltmarsh, Penacook, NH

GEOMAGNETIC INDICES

June 6-12	9	3	4	12	22	29	24
June 13-19	19	14	12	10	17	29	25
June 20-26	[I guess I lost this one, sri. FJP]						
June 27-Jly 2	4	17	27	27	17	12	

England Regular transmissions commenced June 4 from the ship Mi Amigo anchored off Holland. Two stations, Radio Caroline on 1187 kHz (with 50 kw?) and Radio Caroline International on 773 kHz (believed to be 10 kw). Schedules as follows:
 1187 kHz 0500-0600 Non-stop music Announced as
 0600-2000 Dutch programs 259 meters
 2000-0100 Relays 773 kHz
 773 kHz 0500-0600 Non-stop music as on 1187
 0600-0630 Dutch/English religious program (0700 Sundays; also 1600-1630 Sundays)
 0630-0100 English programs
 773 announced as 389 meters.
 Both will verify on receipt of 2 IRCs to Caroline House, The Hague, Holland. (Geoff Toon)

South Korea The testing of the Far East Broadcasting Company (FEBC)'s newest station located on Cheju Island off the tip of South Korea began June 1. This updates information which appeared in the 9/9/72 DXWW. ("Good News Broadcaster," via Angel Garcia)

Kuwait Radio Kuwait has extended its EE service on 1133 kHz after 1900 until s/off at 2300. (SDXC)

Brazil Radio Nacional, Rio de Janeiro, is currently using a new Gates VP100 transmitter of 100 kw on MW. They use it at half-power on 980 kHz, awaiting completion of a new tower. In two months it should be finished, and then the station will run at full power. According to the technician in charge of Radio Jornal do Commercio Recife, Recife, this station is now on the air 24 hours a day on 870 kHz. (SCDX)

International Waters Radio Atlantis is a new commercial pirate, scheduled to take the air in July 1973 from an anchorage in the North Sea. It is being fitted out in Denmark. It will broadcast commercial programs to listeners in Belgium, and will be supported from the Netherlands, where programs will be recorded. This is not the same as the land-based British station with the same name. (SCDX)

EDITORIAL COMMENT

SDPC has spent the past two months in looking for ways of producing the bulletin as efficiently as possible, with the least increase in dues possible. We have conferred with Sec.-Treas. Larry Godwin and with many printers. We now feel that it is possible to produce an offset bulletin, in a format similar to the one used here for DXWW without any increase in dues. In fact, it will actually be cheaper to do the bulletin this way than by mimeo. At present, over half the dues you pay go toward postage. With offset, twice as much material can be printed in the same space, thus cutting postage in half. Printing costs are higher, of course, but the average cost per member with all factors taken into account will be less than for mimeo.

We have proposed to the BoD that we adopt offset as soon as possible. The basic format we have decided on will be like this, looseleaf pages, because many members like this format, and because it's cheaper. Since the printer will have only two things to do--print and collate--there should not be any delays involved. The SDPC will fold, staple, address and mail the bulletin. We feel we can maintain IRCa's reputation of having the most current news to you as soon as possible. We invite your comments on this format and proposal to the BoD. For SASE, we will supply anyone interested with a breakdown on the estimated costs. We think that most members will be very satisfied with this new method of printing the bulletin. FJP

July 14, 1973

EASTERN DX FORUM

Page 11

Editor: Bruce R Heimbürger - 817 Rawlins St. - Port Huron, MI 48060

Deadlines: the next deadline will be July 27 due to SDPC request

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Mike Mitock - 975 Osborn Ave. - Lorain, OH 44052

Hi everyone! Sure is good to be back in the IRCA! Some of the old-timers like Ed Krejney, Bill Nittler, DEE, etc. will remember me, but for all the newer members, a short intro: I am single, 25, and work at the Nat'l Gypsum Co. as a loader. I've been DXing since 1960, and was an IRCA member circa 1964 thru 1967. Do to the process of moving from one place to another, my old logbooks and QSL cards were lost or misplaced and this past spring I've started DXing from scratch again. Hence my so far miserable totals of 8 stations logged, 4 veried. Am interested in hearing from any IRCAer, 'specially girls (hi, hi). I would like to say that we owe DEE a great big "Thank You" and I wish the new publishing crew success, and I think they've done a great job so jar. In case they're interested, DXM gets to me 3 days after post mark from CA. The only damage by lack of envelope is that the post office loves to smear postmark ink all over the address page. 73.

Randy V. Minnehan - 975 Chestershire Rd. - Columbus, OH 43204

Hi everyone! I hope everyone is planning on attending the Hammond convention. I'm happy to say that I'll be there. Not a whole lot of DXing has been done, but I have been rearranging a few things in the Courtesy Programmes Committee, and at the convention I'll spread the word of a surprising new policy concerning the CPC. The future of the IRCA looks great, and I am sepecially pleased to see a verie section coming soon. Mark Hittinger: I would give you the address for WCSI you said was in Columbus, but there is no such stn around here, and nothing in this area sounds like it either. I am currently building a 300' long wire antenna, NW to SE, which will hopefully help me nab a few more Europeans this fall. If anyone would like some info on ar-ranging DX Tests, please write, or look me up at the convention. There are several people I'd like to see get on the BoD for the next 2 yrs., but one person I especially feel could help the most is Cathy Woodruff.

Jim Poterba - 949 Queens Dr. - Yardley, PA 19067

Greetings, gang. As the season is about over, perhaps a re-cap of the past 10 mos. is in order. Totals have risen to 1241/602, 48/46, 9/8, & 46/28. Seven new states were logged, as were 2 new provs. 22 new countries were heard. Best catches of the season would have to include KGEM, KORL, & KOVE-1330. On the side of QSLs, 482 new ones were picked up, including 8 new states, and 2 new provs. 24 countries were veried. Best veries would include KORL KOVE WFEA WARM & KKIM. The 2 unQSLed states I've hrd are ID(KGEM & ND (KTYN). A few new QSLs have arrived lately including: WAPI WWSR KKIM WBBQ WPAW WAVZ WFOY WIBW CKLB WFBG WRCH WROC WNAE WGAZ WJVA WABD WISM WBSM WRPL WEVA WDEE KNYM CKEY WKSJ & WYRE. To those of you who are looking for VT in the heard column, the "off season" produced a golden opportunity: the state-of-emergency due to June 30 jollding resulted in a number of stations in that area carrying emergency programs, including WHWB-1000, an excellent bet for logging this elusive state. It doesn't look like I'll be in Hammond.

Paul Mount - 471 Emerson Ave. - Teaneck, NJ 07666

Hello DXers. I have received the N. American Radio TV Station Guide this week. I'm thinking of getting a new portable radio, hopefully an AC/Bat. Panasonic R-1449 or R-1599. Any recomendations welcomed. I have heard 4 new stations this past month, one of them the 90 mile away KYW. I guess they don't beam this way. The others are WKPQ, WKIP & WGBI. Totals are about 160/27, 24/17, 3/2, 5/2. Latest veries: v/q KXEL WHAS WGY, v/l- WGBI. A couple of unIDs on 1520: TT 5/20 0030-0040 w/KB; ET w/ID at 0038 w/'KB' 5/4. Any ideas? CB: hope to hear from you soon. JAB: thanx for all those SCs. SCers CMers write. 73

Adolph Holmer Jr. - 65 Intervale Rd. - Teaneck, NJ 07666

Long time no been here. I just disappeared into the school work syndrome. John Sally & Randy Minnehan: I'll get a tape to you sometime if I can find a taperecorder that works. I have yet to meet Paul Mount or any other members in this area. If you watch the news I might be on CBS TV. Also anyone that wants to work NJ (hams that is) my call is WN2TNW & my club's call is WB2NUW. We'll be on the air on Field Day. I've got to get back into the swing of things but I haven't lost my DXing touch. Heard 2 new states last night alone. I'm looking forward to a good summer of DXing. Contrary to popular belief, you can hear quite a few new stations during the summer. Gud DX to all and to all a good morning... 73s.

Tim Saltmarsh - 33 Fowler St. - Penacook, NH 03301

Greetings! First off, all those awaiting (you've probably all given up by now, hi) veries for the WFTN Test hold on! I went up there today when he was supposed to be there, but he didn't show up, and nobody else knew where he put the reports. Will make another trip later on this week. Also, anyone wanting a verie from WFEA, send me a report as I'm going down there again. I want to apologize for the delay in all of my correspondence, but I've been busy studying for finals, and that has taken most of my spare time. I would like to thank the person who nominated me for the BoD, but I feel I have not enough experience in club affairs to be eligible. Finally nailed AL (see DXR). Who's the new FF Canadian on 1190? Look out, I plan to come to Hammond, if I can scrape up the money, should be fun. 73s.

George W. Jensen - 4604 Anntana Ave. - Baltimore, MD 21206

No DX here in quite awhile due to poor cx and busy work schedule w/the end of the school year upon me. Am planning to be at the Hammond convention. Best of luck to the new publishers and the best of thanks to Don Erickson for his many years of unselfish service to the club. The past DX season was one of the best yet with many new catches and states added to totals as well as my first TAs. A few veries: v/l-WAOK WDXI WAYB WKLP WCB; v/q-WKSI; v/f-WCCR & WAAB. That's all for now.

Dave Schmidt - 8 Valley Terrace, Apt. 9 - Wilmington, DE 19802

Just wanted to drop a quickie into the Forum. By the time you read this, my wife and myself will be moved into a new location in New Castle, DE, hopefully. Hope that a few of you noted WHWB on late w/flood info on 6/30, had a +20 o/9 signal here. TV and FM DX has taken me away from BCB for a while anyway. Veries: v/l-WTCR and v/ppc WKPQ. And thanks to Dave Gleason at WERC for not verifying 2 taped reports. That's what helps make DXing disgusting! And it's for a DX Test even!

Dave Faulkner - 1430 Pine Grove Ave. - Port Huron, MI 48060

Greetings everyone! Having been back here for about a month I figure it's time you were hearing from me. As far as DX is concerned I have not been doing much - I've heard 6 stns in the past 4 weeks, most of them due to a box loop borrowed from Brh. I've been trying to get up early some morning and do some DXing, but I've never succeeded as I can't seem to get to sleep early the night before. Hopefully that situation will change, but if not don't look for much from me in EDXR. I was going through some old papers and found one which listed my catches for last August, none of which had been entered into my logs or files, and thus totally forgotten. The find amounts to three whole stations! As far as Hammond is concerned, I might be there but its too early to say. 73s & I'm for a ban on all summer static (for what it's worth, HI).

July 14, 1973

CENTRAL DX FORUM

Page 13

editor: John Zondlo - 6617 Maryland - Hammond, Indiana 46323
deadlines: 8/2, 8/30, 9/13, 9/27, 10/11, weekly thereafter.

Larry Godwin - 2985 E. College #6 - Boulder, CO 80303

Hi gang. The campaign statements made very interesting reading! Don't forget to VOTE before the August 1 deadline! Reading the comment of one Board candidate prompts this clarification: a member does not have to be on the Board to initiate legislation (proposals)! Any member, regardless of length of membership, can write a proposal dealing with club policy, and the Board must vote on it. (This is in sharp contrast to our national government setups, where only congresspersons -- not citizens -- can initiate legislation.) Of course the Board members decide whether or not the proposals become actual club policy, but the proposals they vote on may be written by any IRCA member. All a member need do is send 8 copies of his proposal to the President, who forwards them to the Board for approval. Switching to the convention, again don't forget to mail or bring your contributions to the auction! Any item dealing with the hobby, the club, or anything remotely related will be welcome. I agree with PRK: Rick will make a first-rate President! Hammond is only a month away! Attend! (And get your registration forms in soon- jz)

Rich Eddie - 152 W. Rose - St. Louis, MO 63119

Hi gang! Hope everyone had a great DX season and got lots of QSLs. Hope to see a lot of you in Hammond, Ind. at the convention. I did get the WAKO DX test but nothing else new to report. Totals now 1106/664 48/47 6/5 22/14. Welcome to all the new members of IRCA - support your area section. Thanks to DEE for a well done job and good luck to the San Diego crew. All members vote for your choice but vote or else keep quiet till next election (hi). Good DX, Peace and 73's de Rich Eddie.

Blake Lawrence - Box 803 - Canon City, CO 81212

Hello again; long time, no report, hi. Many things to report here, the most important of course being a new job. I'm no longer at KRLN-1400, but I'm playing top 40 jock under the air name Larry Blake at KKAM-1350 in Pueblo. This is only a weekend thing until I go to college, but it's good experience in a fairly large market. I'm also working toward my First Class license this summer, but I'm not going to any of these "five-week wonder" schools, so don't expect any great successes along that line, hi. This fall, I plan to attend the University of Denver with a Mass Communications major, so look out, Denver area DXers - you're getting another cohort. Have been quite inactive on BCB this season, but I'm still keeping up with the club. Sorry to see DEE leave, but I am glad that the new publishing crew is well organized, as is apparent from the first two bulletins. Would appreciate correspondence from anyone who's into broadcasting, and I'll trade airchecks, surveys, etc. Just write. Have fun in Hammond & 73.

Dave Bright - 1804 Mulberry - Muscatine, IA 52761

Hi gang. You haven't heard from me in quite a while. I'm 21, and will be a senior in the University of Iowa College of Engineering. I plan on going to Hammond for the convention. Anyone passing through Iowa on Interstate 80 that would put up with a rider, please write!! Muscatine is just 15 miles from the interchange, or I can meet you at the Muscatine interchange. I'll help pay for gas, and drive if you want. So please write if you're going through Iowa on I-80!! I took a trip to area radio stations recently. I visited and toured KBUR-AM-FM and KKUZ-AM in Burlington, Iowa, KXGI-AM-FM Fort Madison; KOKX Keokuk, KMCD-AM Fairfield, KILJ(FM) Mt. Pleasant, KCII-AM Washington, Iowa, and WCAZ Carthage, Illinois. Until Hammond...73's. Plan to attend Hammond 73 and get your registration form in as soon as possible. Don't miss out on all the fun!!-jz

Joe Markewicz - 1394 Elgin Ave. W. - Winnipeg, MB R3E 1B6

It looks like I won't be able to make Hammond this year after all as I will be moving to Nova Scotia this July. Since I will be living in Nova Scotia, I would like to meet some of the members who live in that part of the country. Just think, after all these years of DXing, I'll finally be able to hear a Nova Scotia AM station, hi. If you would like a phone call when I'm there, just send me your number to the above address. The CRTC announced today that the new Manitoba station on 1220 kc has been granted the call letters of CJRB and will be part of the Radio Southern Manitoba chain (CFAM-950 & CHSM-1250). CJRB will be on this fall so there's another frequency shot here. 73

Gene Martin - 3303 E. Evans - Denver, CO 80210

Many fine DXers are avid collectors of written verifications. As DXers, they have my complete respect and friendship, but I cannot share their affection for pieces of paper, unless that piece of paper can be cashed at my bank. However, it is conspicuous that all DXers who swear by the written verie always exercise the prerogative of rejecting as false certain written veries that some other DXer received. This strikes me as an ambiguous attitude. They believe in the written verie yet they don't believe in it. Aren't they trying to have it both ways? This is no problem for me for I figure a very large proportion of written veries are worthless to begin with, except that a large bunch of them may make a colorful display if hung up on the wall. Maybe that is the appeal of the verification letter, banners, posters and other papers some stations send out. Perhaps all that stuff appeals strongly to the collecting mania which lurks in the human being. We share it with the bluejay collecting colored stones and the pack rat piling up all sorts of bric a brac.

Dave Rogers - 623 1/2 Kansas - Norman, OK 73069

Greetings: As many have already said, the IRCA certainly owes DEE a debt that can never be paid. Good luck to new publishing committee. I generally agree DXM should be DX oriented but I don't think an occasional non-DX comment hurts anything. New veries: v/1 KHEY-690 KRMC-1220+CM v/ppc KOKL-1240 KJJJ-910 KWCK-1300. All ppc's are result of a f/up. Brings BCB totals to 560 vfd. KRMC is a new station in Midwest City, OK; address is Box 94100, Zip 73110. Had to call station & get address; letter just addressed to KRMC, Midwest City, returned by P.O. for insufficient address. Station is friendly & being new is interested in reports. KOCY-FM in OKC changed calls to KXXY but is still affiliated with KOCY-1340. 5/24 brought some good DX w/relog of 2NR-700 using my SW4A & timer. A timer is a real asset for those who don't like to get up early. I support RCE for IRCA President. 73 & Good DX.

Steve Taaffe - 420 Shelby St. - Vincennes, IN 47591

Greetings everyone. Hope all of you are enjoying your summer. Not much BCB activity but have logged KHYM on an ET and have received a nice v/1 and v/1 f/KREX-1100. FM has been interesting and have taken logs on a lot of Tennessee stations. Jingle collectors: WAKO does have jingles (not Pams or TM, hi) and if you'd like a copy of them please send a tape (reel-to-reel). They will be recorded at 7 1/2 IPS. Tom Butas: nice going on logging and verifying WERK, that station doesn't get out that well due to it's directional pattern and Gary Skubal congratulations on logging WHYT in Noblesville, IND. That station hardly has any power up your way as they have to protect WMBI. SCers and CMers are welcome here as well as tapesponders. See you in Hammond!! 73's de ST

John Zondlo - 6617 Maryland - Hammond, IN 46323

Want to see what the freaks who edit CDXF, CDXR and GYDXR actually look like? Then make plans to attend the 1973 IRCA convention right here in the beautiful (??) city of Hammond, Indiana! More information coming up on the next page so don't miss it!!!

July 14, 1973

Western DX Forum

Page 15

Editor: Michael G. Worst, 3608 Phinney Ave. N., Seattle, WA 98103

Next Deadline July 27, 1973

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George Kesteven, 3524 Benton Dr. N.W., Calgary, Alberta T2L 1W8

Hi all. Unfortunately I won't be able to make Hammond this summer, however I will be traveling to a number of eastern regions, by car, (if you've got any gas down there, hi) during late July and all of August. I hope to at least ring up a few members in the following areas: Trans-Canada Calgary to Winnipeg, N. Dak, Northern Minn., Northern Wis., Mich., Southern Ont., North-western N.Y., Western Pa., and North central Ohio. Reception here is becoming progressively worse as the summer goes along. Hopefully things will improve before long. Well that's about it from here. 73 from the Stampede City.

Nancy Gantzer, 3122 Simpson Avenue, Apt. 1, Hoquiam, WA 98550

It was a sad experience for me two months ago to have to resign as EDXR editor. During the time I was editor many new friends were made, and I especially enjoyed being able to serve the club. For those of you who haven't already guessed, I'm the new special assistant at KGHO which was mentioned in Bill Hardy's Forum report last issue. No DX has been done from Hoquiam, mainly because I don't have a RX here yet. I has planned to be in Hammond for the convention next month, but will be unable to make it because of the move to Washington. John Zondlo has many good things planned and I'm sure the convention-goers will all have a good time. 73 (Welcome to the Evergreen State.mw)

Bill Hardy, 303 W. 10th St., Aberdeen, WA 98520

Hearing a close unheard is always a big event for any DXer, even one who's been DXing for 13 years like me. MM 7/2 at 0315 ELT, I caught KVAC-1490's f/c KVAC is in Forks, 70 mi. NNW of here, and just went on the air in 1968. 70 mi. is not a good skip distance, and local KBKW presents problems most of the time, so KVAC has been elusive. The r/c is 1st MM each month (Bruce Portzer heard it years ago) but it was new for me. I'd still like to hear 'em during RS, though. KVAC was my closest operating unheard. Closest unheard is KOCB-1480 Lakewood Center, 65 miles east, currently dark but old facilities being applied for by new people. Now my closest operating unheard is KDFL-1560 Sumner, 75 miles east, which I'll never hear until KGHO's AM xmtr fails. If Raymond Lovelin needs KBCH-1380, he should move to Kalaloch, 55 mi. NNW of here on the ocean. KBCH is the loudest thing on the radio there at a distance of 200 mi.! Our Grays Harbor locals are completely inaudible there, so that says something for salt-water groundwaves. KBCH was in Oceanlake, OR, but Oceanlake and 2 or 3 other small coastal towns combined in 1965 to become Lincoln City, which it is now. 73 (Thanks Bill. mw)

REPRINTS NASWA HAS A NUMBER OF REPRINTS AVAILABLE FROM P.O. Box 8452, So. CHARLESTON WV 25303: "AFTER THE SUN GOES DOWN, THE PHENOMENON OF THE DARKNESS PATTERN," WITH 9 PAGES OF TABLES FOR CALCULATING PRECISE DARKNESS PATHS, 50¢ PPD.; AN ASSORTMENT OF ARTICLES BY AL NIBLACK FOR \$1.00; "THE BEST OF LOUDENBOOMER," \$2.50; "QSL VERIFICATION SIGNATURES, \$1.00; "EXALTED CARRIER AM RECEPTION," \$1.00. NASWA MEMBER ED SHAW HAS A 5-PAGE "CONSUMER REPORT" ON THE ALLIED SX-190 FOR SASE WITH 16¢ POSTAGE, FROM 621 BURLEIGH AVE., NORFOLK VA 23505. EUROPEAN DX COUNCIL, c/o WOLFGANG SCHEUNEMANN D-6000 FRANKFURT 90, ALEXANDERSTRASSE 122, FED. RE. OF GERMANY, HAS "WORLD FRIENDSHIP YEAR" BADGES IN ENGLISH FOR ONE IRC. IEDXC ALSO HAS AVAILABLE, FROM WERNER EISELE, D-6806 VIERNHEIM, BERLINER RING 50, FED. REP. OF GERMANY, WORLD DX FRIENDSHIP DIPLOMA FOR 3 IRCS TO ALL DXERS WHO HAVE VERIFIED 73 STATIONS BETWEEN 1/1/73 AND 6/30/74. ALSO AVAILABLE FROM WERNER EISELE ARE EDXC REPRINTS "BIBLIOGRAPHY OF RADIO WAVE PROPAGATION, IONOSPHERE, GEOMAGNETISM AND SOLAR-TERRESTRIAL RELATIONSHIPS (10 PGS, 3 IRCS); "LIST OF DX PUBLICATIONS OF THE WORLD" (15 PGS, 3 IRCS). ALSO AVAILABLE FROM EUROPE IS "LATIN AMERICAN COMMERCIALS," AN 18 PG LIST OF PRODUCTS AND COUNTRIES WHERE AVAILABLE, IN ENGLISH, FROM NILS INGESTROM, MINNEBERG SVAGEN 11, S-161 34 BROMMA, SWEDEN, FOR \$2.00. IRCA REPRINTS AT THE PRESENT TIME WE ARE REPARING A CURRENT LIST OF REPRINTS WHICH WILL BE AVAILABLE. VANE JONES THE 9TH (?) EDITION OF VANE JONES' "NORTH AMERICAN RADIO-TV STATION GUIDE" IS NOW AVAILABLE ACCORDING TO REPORTS FROM SEVERAL PEOPLE. MOST LIKELY, IF THINGS ARE AS THEY USUALLY ARE, THE PRICE WILL BE HIGHER THAN THE \$3.95 CHARGED FOR THE 8TH EDITION.

July 14, 1973

HAMMOND CONVENTION INFORMATION

Page 16

As promised, here's more information on Hammond 73. Registration forms are coming in at a steady pace now, and if you plan to attend, PLEASE get your form in as soon as possible. I need it to make room reservations at the motel, and to determine what the entree will be at the banquet.

Station tours are being arranged for area stations at the present time. Friday, August 10, we will visit WJOB 1230 Hammond. Unfortunately I couldn't get a tour for Saturday, since the station is short of personell on weekends. On Saturday, August 11th, we will tour WYCA 92.3 Hammond, where I'm the weekend man. Tours of WLTH 1370 and WWCA 1270, both Gary, are also good possibilities for tours on Saturday. They have yet to be firmed up, however.

Warren Shulz, chief engineer at WFYR in Chicago, will be our guest speaker at the banquet Saturday night, August 11th. He will be speaking on the topic of automation in broadcasting, an area he has been involved with for many years. Hopefully he will also tell us a little about his employer, none other than RKO. Maybe he can even get Bill Drake to come, hi.

The location for Hammond 73 is the Howard Johnson Motel (Hammond South), located at 7813 Indianapolis Blvd. here in Hammond. It is at the intersection of Interstate 80-94 and US Highway 41, for those of you coming by car. If you're flying here, shuttlebus service is available directly to the motel. You'll receive a schedule of this service when I receive your registration form. If you're arriving by bus or train, give us a call at the motel and someone will be out to pick you up. The phone number is 844-7780.

Here's a sketchy schedule of what will happen at Hammond 73:

Friday, August 10th-

Arrival of members, registration, informal discussion. The WJOB tour will take place around 3:30PM.

Saturday, August 11th-

Informal discussion in the morning, then the station tours will commence around noon. In the evening will be the banquet, to be followed by the business meeting and of course, the famous (or infamous, hi) IRCA auction. Then at midnight, anyone interested can head over to Gearge Boullles' place for a DXpedition.

Sunday, August 12th-

The morning will be open for members to attend church services, informal discussions, or just take it easy and sleep late. Around noon we'll head out to a local park for the gala IRCA softball game.

Other tidbits-- Remember, registration fee is \$10. This goes for the cost of the banquet, plus any other costs the convention committee runs into, such as room damages, meeting room expense, etc. Don't forget to bring items for the auction! And if you don't plan to attend and have an item for the auction, just send it along to me. Al Ogrizovich will be the auctioneer, as he was for Toledo 71. Remember the surprise auction item at that convention? Just wait for the one to be bid for in Hammond! There are many snack shops and restaurants in the immediate vicinity of the convention site, and a guide to these will be available when you arrive. When you register you will receive a convention guide containing information on local stations, the convention agenda, the beforementioned guide to dining spots, plus anything else we can think up to fill up space.

Well, I hope I've answered any questions you might have regarding Hammond 73. If not, please drop me a line and you'll get a quick reply. I'm looking forward to a great convention, and I hope each and every one of you can attend. It's about 1:20 in the AM right now, and I've got to get hitting the dials. See you in Hammond.....

John Zondlo - 6617 Maryland - Hammond, IN 46323

14 JULY 1973

CONTEST STANDINGS

CONTEST MANAGER: Richard C. Evans - Box 2048 - Gary, Indiana 46409

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DOMESTIC VERIFIED:

1) R. Kramer, Ill.	1088	pts.	44	S&P	136	Stns.	(82-17-37-63-2-18)
2) K. Forth, Ill.	1047		42		133		(90- 6-37-51-3-16)
3) F. Hendricks, Ill.	433		24		56		(34- 8-14-26-2- 5)
4) R. Eddie, Mo.	335		28		61		(26- 7-28-28-0- 3)
5) B. Bailey, NY	265		23		45		(21- 1-23-16-3- 2)
6) J. Zondlo, Ind.	251		27		48		(19- 6-23-26-1- 1)
7) R. Mayhew, Quebec	162		17		28		(19- 5- 4- 9-0- 1)
8) B. Portzer, Wash.	159		16		26		(12- 7- 7- 3-1- 0)
9) P. Daplyn, Ont.	126		10		21		(18- 1- 2- 1-0- 1)
10) J. Boncek, NY	73		12		17		(10- 1- 6- 7-0- 0)
11) B. Likens, Ohio	69		8		13		(8- 3- 2- 3-0- 0)
12) C. Gill, NY	57		11		16		(8- 1- 7- 2-0- 0)
13) M. Coffin, B.C.	42		8		10		(9- 0- 1- 1-0- 0)
14) M. Hogan, Ind.	25		8		9		(3- 1- 5- 0-0- 0)
15) B. Scully, Calif.	3		2		2		(0- 0- 2- 1-0- 0)

DOMESTIC HEARD:

1) R. Kramer, Ill	2057		56		219		(131-51-37-64-6-38)
2) B. Nittler, Neb.	1876		46		199		(84-66-49-16-7-34)
3) B. Portzer, Wash.	1654		46		183		(92-51-40-22-5-29)
4) R. Mayhew, Quebec	1580		45		170		(78-65-27-15-4-28)
5) F. Hendricks, Ill.	1521		46		179		(118-23-38-27-2-30)
6) T. Sundstrom, NJ	1498		44		178		(96-25-57-51-4-26)
7) D. Oliphant, Albta.	1327		42		159		(81-21-57-18-5-25)
8) M. Breger, Texas	1147		46		156		(82-23-51-23-0-21)
9) F. Wheeler, Penn.	1126		42		147		(93- 5-49-28-4-17)
10) R. Eddie, Mo.	1121		44		147		(67-27-53-28-1-21)
11) J. Boyd, Okla.	1039		39		135		(66-25-44-19-1-19)
12) B. Cartwright, Pa.	1015		41		125		(67-14-44-39-5-15)
13) M. Hogan, Ind.	916		39		129		(59-12-58-18-2-16)
14) J. Zondlo, Ind.	874		36		116		(55-18-43-57-0-16)
15) A. Napier, Fla.	873		33		115		(62-15-38-16-1-16)
16) K. Horne, B.C.	741		31		86		(31-21-44- 4-8- 9)
17) Q. Brown, Ont.	376		22		49		(16-31- 2- 3-0- 3)
18) D. Christensen, Wash.	307		8		32		(6-21- 5- 2-0- 6)
19) P. Daplyn, B.C.	284		16		35		(25- 5- 5- 4-2- 3)
20) C. Gill, NY	275		17		38		(21- 3-14- 2-2- 3)
21) B. Likens, Ohio	218		18		35		(17-11- 8- 7-0- 1)
22) J. Boncek, NY	190		21		34		(13- 7-14- 6-1- 1)

FOREIGN VERIFIED:

1) Q. Brown, Ont.	896	pts.	3	cont.	14	countries	19	stns
2) R. Minnehan, Ohio	487		3		8		10	
3) L. Abraham, Mich.	414		2		5		9	
4) B. Portzer, Wash.	382		3		4		8	
5) R. Eddie, Mo.	225		1		3		5	
6) M. Coffin, B.C.	125		2		2		2	
7) R. Dildine, Va.	63		1		1		1	

No entry: M. Hogan.

There was a typo in the contest report last month. Last date for reception of stations should read 6/30. Veries received during July are cligible for points provided I receive your updating on or before August 4th. That gives me a week before the convention and business meeting. I hope you all join next season's contests. I plan to do so. Some points above have changed, sue to double-checking scores.73

Graveyard Records

Editor: Michael Hogan-4811 Euclid Avenue-East Chicago, Indiana-46312

	TGYR	1230	1240	1340	1400	1450	1490	LGYR	YR
1. Gene Allen, Calif.	169	--	--	44	35	49	41	--	23
2. Dr. Richard Wood, HI.	117	22	17	18	24	24	12	--	--
3. Tom McCormack, IN (1)*	61	14	--	13	11	10	13	--	--
4. Frank Wheeler, Penn.	39	39	--	--	--	--	--	--	31
5. Roger Winsor, IN	38	17	6	15	--	--	--	--	--
6. Carl Dabelstien, NE	32	15	3	3	6	5	--	--	--
7. Bruce Portzer, WA	30	--	5	--	10	10	5	--	64
8. Joe Markewicz, MB	25	--	6	--	8	6	5	--	--
8. Dave Bright, Iowa	25	--	1	--	6	5	13	--	--
10. Dave Singer, VA	15	4	2	5	2	1	1	--	--
9. Rich Eddie, MO.	19	6	3	3	6	1	--	--	--
11. Rich Evans, IN.	14								
11. Bruce Heimberger, MICH.	14								
12. Glen Hauser, Texas	13								
12. George Sherman, Minn.	13								
13. Ralph Kemper, CO.	12								
13. Ken Horne, BC.	12								
14. Russ Edmunds, (1)*	11								
15. Robert Kramer, ILL.	10								
15. Morris Sorensen, MAN.	10								
16. Nancy Gantzer, NY	9								
16. Percy Kesteven, ALB.	9								
17. Steve Taafe, IN.	8								
18. Mike McCullough, Calif.	5								
18. Dave Christensen, WA.	5								
18. Bill Harang, Calif.	5								
19. Ernie Wesolewski, IA.	4								
19. Merv Branks, NZ	4								
19. Quentin Brown, Ont.	4								
20. John Zondlo, IN	3								
20. Jerry Robertson, MICH.	3								
20. Thomas Sundstrom, NJ.	3								
20. Bill Hardy, WA	3								
19. Mark Belanger, (1)*	4								

(1)*- Names do not appear on membership list.

All at 2 Records, Bailey, Howe, Hecker, Erickson, Lombardo, Abraham, Maule and Jensen.

All at 1 Record, Neal, Pejza, Thatcher, Allinson, Hall and White

Also many thanks to those who have tried to establish records but failed.

As for the new format: TELL ME how you like or dislike it. TGYR means total graveyard records-LGYR means longest graveyard record. YR stands for year began DX'ing.

Only the top 10 will be broken down into records for all frequencies. For the next time around I will figure the longest graveyard record for each of the top 20. Send all stations that you hear on the GY frequencies to me and I will determine if you gain a record. A complete list of stations that you heard for records will be sent to you upon request.

73's 73's 73's and See you in Hammond!!!!!!!!!!!!

DX MATHEMATICS!

de Ghoti, Ph. Dx

PART I: TRIGONOMETRY AND GREAT CIRCLE DISTANCE CALCULATION

In past issues of the club bulletins DX NEWS and DX Monitor technical articles have appeared in which, in order to be applied, the use of "math" was required. As a result many DXers mused over them and then placed them aside because of their "rusty" or non-existent ability to perform the required mathematics. Trigonometry certainly has to be the most "avoided" simply because it is almost always involved! It is therefore very important to note that in almost every case the "mathematics" to be performed requires nothing more than the ability to use a set of mathematical tables which are in abundant supply! This series of articles is therefore presented to the DX Clan with the sincere hope that a large number of this great group will make the necessary small effort to apply these technical feats because the intent here is to completely remove this mask of mathematical perplexity thus allowing, at least, the computation of great circle distances and bearings, the analysis of ionospheric geometry giving path lengths, arrive/departure angles, number of hops, etc., and the ability to derive the latitude and longitude of a distant station by radio direction finding techniques. All of these applications will be covered in this series and others may also be included.

TRIGONOMETRY, both plane and spherical, is a simple but elegant subject! Six trigonometric functions exist but four are eliminable by definition in terms of the "primary" functions called sine and cosine. We shall employ three of these functions, namely: sine, cosine, and tangent whose algebraic names are SIN, COS, TAN respectively. The use of trigonometry in most of the previous articles has required nothing more difficult than the ability to look up numbers ("angles") in tables of natural trig functions and then to subtract (-), multiply (x or · or ()), divide (/ or) or add (+) among the values obtained from such tables. Furthermore, with the modern low cost accurate digital "pocket" calculators available today, the arithmetic tasks of addition, multiplication, subtraction, and division have been reduced to mere button pushing! For our consumption, trigonometry involves (a) "converting" angles into other numbers and (b) "converting" certain numbers back into angles--both processes taking place by use of trig tables. The use of these tables is quite simple and straight forward and is hopefully explained below!

First, ANGLES. There are two basic angular measurements--degree measure and radian measure. For our purposes, ALL ANGLES ARE TO BE OF DEGREE MEASURE. Degree measure gives angles in the following units: degrees (^o), minutes ('), and seconds ("). The degree is divided into 60 equal parts, each part called a minute. Similarly, each minute is divided into 60 parts, each part called a second. Thus we may write: 1^o = 60' = 3600".

Second, TABLES. Obtain from your local library, bookstore, or elsewhere a set of "tables of the natural trigonometric functions for each minute of angles 0^o-90^o with values accurate to five significant places." We assume such a table (at least for SIN, COS, and TAN) is in the hand of the reader for all that follows ^{oo}!!^{oo}!! An excellent reference is: "Handbook of Mathematical Tables and Formulas" by R.S. Burington, McGraw-Hill, 4th ed., 1965 (pp. 262-284, Table Number 7). Also: "C.R.C. Standard Mathematical Tables" C.D. Hodgman, Editor-in-Chief, Chemical Rubber Publishing Company, Cleveland, Ohio 11th ed. 1957. (Note: the "CRC" tables are referenced as "Natural Trigonometric Functions: Natural Sines, Tangents, Cotangents and Cosines, for the tables desired here.) These sets of tables give the values of the trig functions for every degree (0^o-90^o) broken into minute-divisions (0'-60'). This subdivision of angle is necessary to achieve the acceptable accuracy for the calculations that follow. Division of each minute of angle into 60 seconds is not necessary for, as we shall demonstrate, seconds of angular measurement represent a refinement in accuracy not required for our needs. Furthermore, tables of trig functions for this decrement are very difficult to procure. Also note that tables of the trig functions for the

angular range $0^\circ-90^\circ$ are sufficient to evaluate these functions at ANY angle whatsoever! Use of these tables is simple. Hence, let A be an angle in degree measure, say $A = B^\circ D'$, and assume A lies in the range $0^\circ-90^\circ$. The value of the function, SIN, COS, TAN, at the angle A is given the name SIN(A), COS(A), TAN(A) or SIN($B^\circ D'$), COS($B^\circ D'$), TAN($B^\circ D'$) and is the number appearing in the SIN, COS, TAN column of the table specified from angle B° in the row corresponding to D'. Note that these tables (probably) show angles at the top as well as the bottom of the function columns with the minute decrement columns left and right. The left (') column corresponds to angles at the top of the table and the right (') column corresponds to angles at the bottom of the table--e.g., where ***** denotes the actual values are not given in this "sample" table-----

8°					
(')	SIN	COS	TAN	***	(')
0	*****	*****	*****	*****	60
1	*****	0.99023	*****	7.10038	59
2	0.13975	*****	*****	*****	58
3	*****	*****	0.14143	*****	57
58	*****	*****	*****	*****	2
59	0.15615	0.98773	0.15809	6.32566	
(')	COS	SIN	***	TAN	(')
81°					

Now note the following values:

- SIN ($8^\circ 2'$) = 0.13975
- COS ($8^\circ 1'$) = 0.99023
- TAN ($8^\circ 3'$) = 0.14143
- SIN ($8^\circ 59'$) = 0.15615
- COS ($8^\circ 59'$) = 0.99773
- TAN ($8^\circ 59'$) = 0.15809
- SIN ($81^\circ 1'$) = 0.98773
- COS ($81^\circ 1'$) = 0.15615
- TAN ($81^\circ 1'$) = 6.32566
- TAN ($81^\circ 59'$) = 7.10038
- SIN ($81^\circ 59'$) = 0.99023
- COS ($81^\circ 58'$) = 0.13975

For reference below (this is important terminology here!) the minute columns of any table are called the ANGLE column and the numbers in the function column are said to be INSIDE the table.

Now, use your set of tables to directly verify ALL the following: $\text{COS}(36^\circ 41') = 0.80195$; $\text{SIN}(36^\circ 42') = 0.59763$; $\text{TAN}(17^\circ 37') = 0.31754$; $\text{SIN}(47^\circ 3') = 0.73195$; $\text{COS}(45^\circ) = 0.70711 = \text{SIN}(45^\circ)$; $\text{SIN}(44^\circ 57') = 0.70649 = \text{COS}(45^\circ 3')$; $\text{TAN}(45^\circ) = 1.00000$; $\text{TAN}(3^\circ 37') = 0.06321$; $\text{COS}(83^\circ 21') = 0.11580$; $\text{TAN}(56^\circ 7') = 1.48909$; and $\text{TAN}(89^\circ 37') = 149.465$.

For reference, the TAN is defined in terms of SIN and COS, namely: let A be an angle, then $\text{TAN}(A) = \text{SIN}(A) / \text{COS}(A)$, i.e., the value of TAN@A equals the value of SIN@A divided by the value of COS@A. Now that you are an expert at using the table tables (that is all there is to it!!!!) note these facts: for any angle A the values SIN(A) and COS(A) are always numbers between -1.0 and +1.0 while TAN(A) could be any number--i.e., TAN has no limits or restrictions. One more point in terminology: in COS(A), SIN(A), and TAN(A), the angle A is called the ARGUMENT of the functions and, as before, COS(A), SIN(A) and TAN(A) are the VALUES of COS, SIN, and TAN (at the argument a) respectively.

The set of "facts and figures" for trigonometry is essentially endless! Thus, we shall consider only those relevant to the applications to be discussed and these shall be of the type that allows evaluation of the functions SIN, COS and TAN for ANY argument A by converting to an angle and a function that can be evaluated directly from the tables on hand for the range $0^\circ-90^\circ$. All these equations will be presented as they are needed in the applications and each will be numbered for reference throughout this series of writings.

There are three functions related to SIN, COS, and TAN that will also be required in the applications, viz: inverse sine, inverse cosine and inverse tangent whose algebraic names (here) will be ASIN, ACOS, and ATAN respectively. Evaluation of these requires using the tables "backward" --i.e., locating an INSIDE value and then reading the corresponding ANGLE. For example: let X be a number twixt -1.0 and +1.0. Then $W = \text{ACOS}(X)$ means "find the angle W whose COS is X." That is, $W = \text{ACOS}(X)$ is equivalent to $X = \text{COS}(W)$. Analogous remarks apply to ASIN and ATAN. Note; the arguments of ACOS
To be continued

Newfoundland is Canada's island province, particularly when looking from the DX'ers point of view. Of the 18 stations in the Province of Newfoundland, only one is located on the mainland that being CFGB-1340 located in Happy Valley, Labrador (note: the list I have from the CBC lists the province as Labrador rather than Newfoundland; perhaps the post office doesn't yet realise that Labrador is now a part of Newfoundland.). As far as I know, this station has not been heard; or if it has it wasn't reported to me.

All sources agree that your best bet for hearing Newfoundland lies in the form of CBNM-740 in Marystown. All sources also agree that the best time to hear them is at their 0430 MM s/on. For those located in the west as I am and have trouble with CBX and/or KCBS on 740; other possibilities are CBT-540 and CBN-640. Best time is again 0430 on a MM. Newfoundland has its own time that happens to be half an hour ahead of any other time in Canada or the US. Hence their radio stations s/on earlier than the rest of the countries. This leads to their s/on times as being the best time to hear them.

- 540 CBT Grand Falls; 10kw; 98 Sullivan Ave., Gander; s/on 0430 w/O Canada and "Ode to Newfoundland", at 0435 "Marine Forecast" done by regions. SW to NH dominates 540 year round w/CBEF QRM; to Conn at s/on w/HICM, occ evenings w/CBEF, HICM, XEWA; to NY at s/on in mid-winter; to Penn at s/on; to Mich at s/on w/no QRM; to Ind weakly at s/on; to Ont often at s/on, occ evenings u/CBEF. CBC v/q
- 570 CFBC Corner Brook; 1kw; Box 790; MoR. Hrd once in Conn in 1972 when WKBN was off because of a strike, otherwise WKBN prevents reception.
- 640 CBN St. John's; 10kw; Box 5490; see 540 for s/on and programs. SW to NH often evenings w/fair sigs; to Conn mornings w/CMQ; to NY poorly at s/on w/CMQ, KFI; to Penn at S/on, occ evenings o/CMQ; to Mich once at SSS; to Ind at MM s/on but soon faded to CMQ, KFI; to Ont best at s/on o/CMQ, rarely hrd evenings. CBC v/q
- 680 CJCN Grand Falls; 10kw, DA-2; Box 2020, St. John's; RR. SW to NH MM dominating freq; to Ont one MM w/CFTR off at 0445. v/q
- 740 CBNM Marystown; 10kw, DA-N; Box 5490, St. John's; see 540 for s/on and program details. SW to NH, Conn, NY, Penn, and Mich at s/on until CBL s/on at 0500; to Ind at s/on w/WKIS, KRMG; to Ont best at s/on, occ hrd evenings u/CBL. v/q
- 930 CJON St. John's; 10kw, DA-N; Box 2020. SW to Ont rarely hrd since WBEN became NSP, formerly hrd MM w/CFBC. v/q
- 990 CBY Corner Brook; 10kw; Box 610; s/on 0430. SW to NH weakly evenings; to Conn rarely at s/on and early evenings w/WIBG, WNOX, CBW; to Ont good evenings w/heavy-QRM from CBW, WNOX. CBC v/q

Many thanks to the following:

Budd Bailey	Williamsville, New York	Jerry Osborne	Ottawa, Ontario
Mike Collins	Stratford, Connecticut	Jim Poterba	Yardley, Pennsylvania
Dave Faulkner	East Lansing, Michigan	Steve Taaffe	Vincennes, Indiana
Jerry Monroe	Alden, New York		

BROADCASTING INFORMATION-- From the June 4 to June 25 issues of Broadcasting, and the CRTC--compiled by Mike Worst

KIXL	104C	1 kw-D	Dallas, TX	requests KPBC
KHAI	1080	5 kw	Honolulu, Hawaii	correct call requested is KIOE
CFWJ	1110	250w-D	Galt, Ontario	to 1320, 1 kw
WKTZ	1220	1 kw-D	Arlington, FL	requests WKTW
KRMC	1220	250w-D	Midwest City, OK	start operation
KORA	1240	1 kw-D 250w-N	Bryan, TX	granted KTAM
KWFR	1260	1 kw-D	San Angelo, TX	requests KIXY
WOCO	1310	5 kw-D	Deland, FL	granted WKKX
WPRY	1400	1 kw-D 250w-N	Perry, FL	renewal denied
KHFH	1420	1 kw-D 500w-N	Sierra Vista, AZ	requests KTAN, from KPAT
WEEF	1430	1 kw-D	Highland Park, IL	granted WVVX
XFGO	1440	10 kw	Ottawa, Ontario	to 50 kw
WSVP	1450	1 kw-D 250w-N	West Warwick, RI	granted WKRI
WCWR	1470	5 kw-D	Dunedin, FL	granted WDCL
new	1510	1 kw-D	Marco Island, FL	CP
WBAZ	1550	500w-D	Kingston, NY	requests WKOT
WYYZ	1580	250w-D	Jasper, GA	start operation

Russ Edmunds, domestic Editor of NRC, says he questions the call change listed for WWR-920, AL. The listed in Broadcasting denoted Franklin Broadcasting Co. had requested WQRI. This refers to an application for a new CP on 1500 kHz at Russellville, not WWR-920, according to Russ.

FLASH TIPS KHYM, listed for a DX Test last issue, is located in Gilmer, TX, according to Russ Edmunds. There is no Gilmore, TX. Paul Mount sent a clipping to the effect that WKPQ, ex-WJAS, is now WKTR-1320, Pittsburgh, PA. IDs as 13-Q except on the hour. CJRB-1220 Manitoba will be on soon //CFAM-950 and CHSM-1250; 3 hours of local live programs, as most of these "twins must do to keep their licenses. CKGY-1170 (ex-CJPC) is having ground trouble and is not on yet as of 6/23. CKBR-1340 Brooks has been off and on 24 hours, due to adjustments on new transmitter. The above thru John Oldfield.

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