



DX MONITOR

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DUES RATE: \$9.50 1st class; \$6.50 3rd class, \$13 air mail. Mail to Mike Northam.

ELT

Fri. Aug. 27	0345-0400	KWYS	920	West Yellowstone, Mont.	1kw	f/c-Jim Adams
Fri. Sept 17	0015-0100	WYRE	810	Annapolis, Maryland	250w	VDXA-Steve Martin
Fri. Nov. 26	0015-0100	WYRE	810	Annapolis, Maryland	250w	VDXA-Steve Martin
Sat. 27	0345-0400	KWYS	920	West Yellowstone, Mont.	1kw	f/c-Jim Adams

DX CALENDAR

KWYS will conduct quarterly ET and f/c. Reports to: Mr. John Stanturf, KWYS, Box 9, West Yellowstone, Mont. 59758. -Jim Adams

WYRE will test for the Virginia DX Association. Reports to: Mr. Fred Matos, CE, WYRE, P. O. Box 1551, Annapolis, Maryland 21404. RP should naturally be included. Music (probably rr) and voice/code IDs will be featured. -Stephen Martin

NEW MEMBERS!!!

Steve Bartos - 692 Moore Ave. - Campbell, Ohio 44405 (joint w/brother Richard)

James E. Critchett - 1504 Glenwood Dr. - San Diego, Calif. 92103

(rejoins - CHARTER MEMBER, 3-17-64)

Marty Fosberg - 5153 Englewood Dr. - San Jose, Calif. 95129 (via San Jose group)

Roger John Holappa - 341 North 82nd Way - Mesa, Arizona (via WBAP, KSWs, KGNC,

no name - L. T. Co, Room 608 TP - Box 81309 - Lincoln, Nebraska 68501 (source unknown) KOMO, WRTH)

Vincent Miniaci - 29 Lombardi Place - Plainview, N.Y. 11803 (via Bill Acker)

John Tull - 5539 Oak - Kansas City, Missouri 64113 (via NRC)

Mark West - 1843 Skyline Drive - Tacoma, Wash. 98406 (rejoins; joined 9-9-67)

Roger W. Winsor - 719 N. Fremont - Valparaiso, Ind. 46383 (rejoins; 11-17-64)

RENEWALS

Dewaine Anderson - Route 4, Box 231 - Roseburg, Oregon 97470 (joined 7-21-64)

Richard Bartos - 692 Moore Ave. - Campbell, Ohio 44405 (joined 7-18-70)

Ben-Hur - 326 Newport Rd. - Hoffman Estates, Ill. 60172 (joined 6-15-68)

Bruce Bennett - 82 Norman Lane - Levittown, N.Y. 11756 (joined 7-18-70)

A. Bertram - 617 Rathgar Ave. - Winnipeg 13, Man. CANADA (joined 9-19-70)

Jimmy Boyd - 9017 East 29th Ct. - Tulsa, Okla. 74129 (joined 7-18-70)

Merv Branks - 5 Dublin St. - Invercargill, NEW ZEALAND (joined 6-15-68)

Joel Brill - 16601 Marquez Ave. - Pacific Palisades, Calif. 90272 (joined 10-17-70)

Lynn Brooks - P. O. Box 253 - Ponca City, Oklahoma 74601 (joined 5-20-67)

George H. Bryson - 8762 Mosmer - Detroit, Michigan 48214 (joined 9-6-69)

William V. Burss - G-112, 2605 W. Van Buren St. - Phoenix, Ariz. 85009 (9-6-69)

Thomas Carlsson - Norbyvagen 45 - S-75239 Uppsala - SWEDEN (joined 9-5-70)

Dr. Harold E. Cox - 80 Virginia Terr. - Forty Fort, Penna. 18704 (joined 7-18-70)

D. Alan Cunningham - 2441 North Henry - Alton, Ill. 62002 (joined 8-15-70)

Mark Drogin - 90-19 88 Ave., Apt. B-14 - Woodhaven, NY 11421 (joined 9-6-69)

RENEWALS
(cont'd)

August 14, 1971

Richard T. Eddie - 152 West Rose Ave. - St. Louis, Missouri 63119 (joined 6-13-70)
 Dr. John S. Evans - 915 Edgemoor Ave. - Kalamazoo, Michigan 49001 (joined 9-19-70)
 David Ferry - 610 Arbolado Dr. - Fullerton, Calif. 92632 (joined 9-6-69)
 Stephen Francis - 1620 Lodge St. - Alcoa, Tennessee 37701 (joined 8-15-70)
 Bruce Haines - Salina Star Route - Boulder, Colorado 80302 (joined 5-2-70)
 Gordon Hanson - 5224 Fauntleroy Way S.W. - Seattle, Wash. 98116 (joined 7-18-70)
 Bill Hardy - 812 Exchange, Apt. 307 - Astoria, Oregon 97103 (joined 10-13-64, #146)
 Ross Harp, Jr. - P. O. Box 1717 - Boulder, Colorado 80302 (joined 8-19-67)
 Bill Higgs - 10013 Greenbelt Rd., Apt. 302 - Lanham, Maryland 20801 (joined 9-6-69)
 Terry W. Jarvis - 703 Dear St. - Kirksville, Missouri 63501 (joined 7-19-69)
 Peter Kanze - 26 Palmer Ave. - North White Plains, N.Y. 10603 (joined 9-19-70)
 Bob Link - 608 Teteridge Rd. - Columbus, Ohio 43214 (joined 8-15-70)
 John P. Lombardo - 23 Grove Terrace - Irvington, N.J. 07111 (joined 7-18-70)
 D. Gene Mattocks - 208 Gross Ave. - Marysville, Calif. 95901 (joined 8-19-67)
 Mike McCullough - 5240 Rhonda Dr. - San Jose, Calif. 95129 (joined 9-5-70)
 Robert McKinney - R. R. 1, Box 91 - Decatur, Ill. 62526 (joined 9-5-70)
 Frank W. Merrill - Apt. 61, 3632 N. Detroit St. - Toledo, Ohio 43612 (joined 7-19-69)
 Robert L. Neal, Jr. - P. O. Box 135 - Forbestown, Calif. 95941 (joined 9-6-69)
 Gordon P. Nelson - 19 Irma Avenue - Watertown, Mass. 02172 (joined 6-15-68)
 John Oldfield - 11623 84 Street - Edmonton 20, Alberta, CANADA (joined 5-3-69)
 David Oliphant - 798 - 16 St. N.E. - Medicine Hat, Alberta, CANADA (joined 8-15-70)
 David L. Osborn - 3111 South 105 Ave. - Omaha, Nebraska 68124 (joined 5-3-69)
 Bruce Portzer - 14056 5th Ave. South - Seattle, Wash. 98168 (joined 9-24-66)
 K. G. Scrimgeour - 227 Hanna Road - Toronto 17, Ont. CANADA (joined 10-13-64; #132)
 George B. Sherman - 104 Pinewood Circle - Rosemount, Minn. 55068 (joined 7-19-69)
 S. Dexter Squibb - 8 Honey Drive - Asheville, N.C. 28805 (joined 8-17-68)
 George Tanner - 8349 East Cypress - Scottsdale, Ariz. 85257 (joined 9-9-67)
 Melvin J. Veldhuizen - 3014 Colorado Ave. - Loveland, Colorado 80537 (joined 9-6-69)
 Eugene G. Vonderembse - 31-50 30th St. - Astoria, N.Y. 11106 (joined 9-6-69)
 Richard E. Wood - Dept. of Foreign Languages - Lou. State Univ. - Baton Rouge,
 Louisiana 70803 (joined 9-6-69)

CHANGES OF ADDRESS AND CORRECTIONS

Jan H. Brown - Lot 19, Kelly's Trailer Court - 599 South Santa Fe
 - Fountain, Colorado 80817
 John G. Carlson - 2732 W. Drexel Road - Tucson, Arizona 85706
 Edward B. Haden - apt 410, 1140 N. Gower St. - Hollywood, Calif. 90038
 Harry L. Helms, Jr. - 115 W. LeRoy St. - Fort Mill, S.C. 29715
 Pat Maestro - 9010 Jefferson - La Mesa, Calif. 92041
 S. B. Northam - 1608 N.E. Knott St. - Portland, Oregon 97212
 Richard Peary - 306 Thomas St. - Tuscaloosa, Alabama 35401
 John Peterman - 1825 74th Place - Kenosha, Wisconsin 53140
 James Poterba - 949 Queens Drive - Yardley, Penna. 19067
 Jerry Thatcher - 1329 N. Poplar - Fresno, Calif. 93728 (temporarily away in the
 military)
 Robert F. Williams - 7711 DePalma St. - Downey, Calif. 90241
 Mark Drogin - 90-19 88 Ave., Apt.B-14 - Woodhaven, N.Y. 11421 (correction of 6/71
 DXM change of address)

XERB CHANGES TO XEPRS As of 0300 ELT, Aug. 1, 1971, the
 former XERB-1090 Rosarita Beach, B.C., Mexico, has been
 XEPRS, "California Soul Express." XEPRS plans to dump religion and move to all rr
 with both Top 40 and R&B. XEPRS is on 24 hours a day with programming that is taped
 24 hours earlier and shipped down by Greyhound bus from Los Angeles. The new PD is
 Roger Christian, well-known L.A. DJ. Power is supposed to be 50kw but they may well
 operate with 150kw. Rick Marr, now out in California from Maryland, supplied IRCA
 with the information; he was one of the first to visit and go through XERB's L.A.
 studio/office. According to a secretary there, Wolfman Jack, whose program is heard
 on XEPRS, uses his real voice; he is said to have sold 50% share in XERB 3 mo's ago.
 Joel Brill phoned pub. hdq. with the news about the actual change having taken place
 Sun. morning, Aug. 1. Joel says the stn told him they have XEPRS QSLs ready to go.

August 14, 1971

EAST COAST DX ROUNDUP

Page 3

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

Deadlines; Fridays, eight days before the date of the issue.

610 WAYS NC Charlotte is NSP w/about 2 SPS a year. RR w/con-
tests & hyperactive (dumb!) djs. (HLH)
890 ???? ?? 0120 - 0130+ 5/29 w/tt o&u WLS. (Brh)
910 CHRL PQ Roberval 0203 7/20 "SS radio Expression" from last
issue. Good w/this ID & O Canada on s/off. (Brh)
WPFB OH Middletown 0020 7/30 per BBL w/Reds BB vy. weak. (Brh)
970 WVOP GA Vadalía 0031 7/20 fair w/jazz on r/c. (Brh)
1110 KFAB NC Charlotte 50 kw, DA to protect KFAB. Is gradually
changing from MOR to rr; has great Oldie rr shwo Sun-
day Nights 1900 - 0000, welcomes rpts, big v/q. (HLH)
1210 WADE NC Wadesboro w/ET & f/c 0224 onward in case anyone hrd
& missed only ID 7/26. (HLH)
1220 WGAR OH Cleveland had OC all MM 7/26, hope spring's eternal,
hi. Is this reg. or just isolated case? Listed NSP(HLH)
1240 WBAX PA Wilkes-Berre 7/29 0031 & often since w/Dolly. (DF)
WINN KY Louisville in nicely atop mess 0218 w/nx, then cw &
mention of WINN weekend. Local WIST off first time
in my eight years of DXing, 7/17. (HLH)
*1150 KWKY IA Des Moines FINALLY!!!! on r/c 0130 7/19. (DF)
1340 KXEO MO Mexico 0105 7/19 good o/mess w/r/c - tt. (DF)
WBBQ GA Augusta 7/19 0120 w/"Georgia Giant IDs, fair to wiped
out by mess. Sounded like rr format. (DF)
WSTV OH Stuebenville 0045 7/20 fair - good w/Indians BB. (Brh)
WTWN VT St. Johnsbury 0025 7/19 w/SID fair - wiped out. (DF)
1380 WKJG IN Ft. Wayne 7/28 0105 poor u/CKPC s/off & CKLC w/Cin-
cinnati BB as per BBL. Much wanted. (DF)
WTVR VA Richmond 7/21 0143 w/SID in mess. Sounds like rr.(DF)
1400 WBAT IN Marion 0130 7/28 w/weak ID & nx. (Brh)
WKWK WV Wheeling 7/29 0102 w/Pirates BB & ID good mixing w/
another pirates stn. This per BBL. (DF) *(HLH)
1430 WDIC VA Clinchcoe powerful on r/c 0120 7/19 w/phonetic IDs.*
1510 WAHT PA Anville - Cleona 0040 7/28 w/r/c but on later than
f/c list states. Xlnt sig. (Brh)
1560 KLTl MO Macon 0103 7/28 came on like gang-busters just as
WDXR finished SSB. (Brh)
1580 KCHA IA Charles City 0100 7/28 w/ID so must have been ET as
f/c was still 2 days off. Vocal mx also noted on
freq., but not sure if this was KCHA. (Brh)
WHHM TN Henderson 7/19 0114 L&C w/ET - tt o/everything, in-
cluding adjacent WAKR. (DF)
1590 KCLU MO Rolla w/ET, rr mx simulcasting w/FM, which sounded
like it was on RS. 7/19 0147. (DF)

(DF) Your extremely dissappointed & let - down editor. BAD SHOWING!

(Brh) Bruce Heimburger - 817 Rawlins St - Port Huron, MI 48060

(HLH) Harry L. Helms Jr - 115 W. LeRoy Street - Ft. Mill, SC 29715

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

Praise the Lord! George Kesteven; KG CX is liscensed to Sydney MT,
so, no matter what IDs or anyone else says, that's where it should
be considered to be. DX here down to about one or two stns per
night. I am now taking a course at SC4 (St. Clair County Community
College) which has me up by 0830 every morning, but I can still
stay up nightly 'til after 0000. Baseball List (BBL) has proved to
be very useful thus far in tracking down a few new stns & it gives
me a reason to find out who's playing who and where. Guys; if you
can't keep your DX meetings clean enough to invite local club YLs
then don't call them DX meetings, or, better yet, don't have them
at all. Be careful of whose feelings you might hurt & don't be
spreading any nasty rumors about club YLs, because if you are proven
falso you could be made look pretty dumb at the convention. 73s &
I want more reports for the next issue, & that's an order!!!!!!!!!!!!

August 14, 1971

EAST COAST DX FORUM

Page 4

Editor: Bruce R Heimburger - 817 Rawlins Street - Port Huron, MI 48060
Deadlines: Try to report early, but up to 8 days B4 pub. date during summer. See you all in Toledo. It promises to be hi-lite of the year!

=====

Paul S. Lotsof - 276 Nassau Ave. - Kenmore, NY 14217 (716) 876-6924

DEE's proposal to switch DXM to offset printing is interesting indeed. Why shouldn't it be discussed in the Forum? I, for one, would favor any more which would decrease IRCAs dependence upon DEE. Hopefully, though, we won't end up w/microprinting. A couple months ago, I had the opportunity to visit J. Worcester at his rural laboratory. Joe told me that he has tentative plans for marketing a tilttable space magnet. I then asked him if he might also design a unidirectional loop. Joe replied that he didn't foresee any demand for such an item. Perhaps a few cards & letters might change his mind on this! A couple of hints for using your Space Magnet: Connect it to an old crystal set. Then attach the output to an amp & speaker. The result will be HiFi nearly equal to FM; also interesting for DXing. For extra gain on weak signals, connect your long wire to the Space Magnet's metal frame. You'll lose the directional effect, but you'll gain at least one S unit. Last week, I visited Radio Canada's SW facility @ Sackville, NBrun. They are presently installing 5 250 kw xmtrs & one is presently being tested. The changes required CBA 1070 to be moved from Sackville to Moncton. C U in Toledo. 29.9 (PSL, I typed your entire report. It was DEE who edited it, not I-Brh)

Greg Condon - 218 Healey Ter. - Brockton, MA 02401

Hi gang! Haven't written for a couple of months. DX almost nil since April, as static & summer job keep me off the dials. Totals holding steady @ 250/170, 37/40. I'm interested in TV DX, so if anyone has any ideas as to how to improve TV DX, please write. Only 2 veries this month, WNJR after 5 mos., & WGBB. I'm very sorry to see Lynn Brooks resign & only hope that his successor is as capable!!! In my opinion, not enough people are taking advantage of the opportunity that the DXF offers as far as expressing opinions is concerned. It's just as bad to sit back & be apathetic as it is to write in & blast people &/or things on hearsay! I hope everyone cast their votes as elections are the key to change! I've mouthed off enough so gud DX & 73.

Harry L. Helms, Jr. - 115 W. LeRoy St. - Fort Mill, SC 29715

Greetings folk. Electronics Ill. picked a lousy time to hold their contest. I'm doing most of my listening on the amateur bands---nothing really happening on the BCB. It apparently wasn't well publicized as DEE hadn't even heard about it prior to our phone chat! Toledo promises to be the biggest thing since the 1893 Chicago Exposition, so come! Kudos go out to QKB & Dr. John Richardson for their debut columns. Oh golly gee, it's annual re-intro time. Well, I'm 18 turning into 19, have been DXing since 63, & everything you've hrd about me is true. I think I'm still a member of NRC (no bulletin since May), & slogged around as Special Features editor for a while. I recently transferred to the U. of NC, where I have a double major of Eng. & Journalism. Several other hobbies, major ones being writing & music. (Good to hear from you again, Harry. DF & I will be looking for you at Toledo-Brh)

Bob Ligon - 529 N. Firestone Blvd. - Akron, OH 44301

Only DX here has been WMPO 1390 & WHTH 1000, both on SSS. Veries: KQV(took 1 yr.), WAUP(tnxRAC), KCKT Ch. 2 Great Bend, WPBT Ch. 2 Miami. Got the new VJ recently, would you believe it still has CHLO on 680! It's 3.95 from Vane A. Jones, 6710 Hampton Dr. E., Indianapolis, 46226. Brh & DF: Keep up the good work! 73, Peace, & see you in Toledo.

Bruce R Heimburger - 817 Rawlins Street - Port Huron, Mi 48060

A few brief notes. My SS R. "Expression" was FF CHRL. Still a few bugs in Beverage. I sympathize w/LDB. TOLEDO OR BUST!!!!

August 14, 1971

MIDWEST DX FORUM

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EDITOR: Lynn D. Brooks - P. O. Box 253 - Ponca City, Oklahoma 74601 DL: Aug. 26.

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Ernest J. Wesolowski - 1416 Pasadena Ave. - Omaha, Nebraska 68107

Nearly convention time again. I'll be there in Toledo, planning to arrive on Thurs. Spent the last two days going through the veries which number 1044 in all. Other totals are 47 states, 9 provinces of Canada and 20 countries. Have 1374 logged making a 75% verified. Will bring my lists of non-verifiers to the convention. The rx is an HQ-180A; Loop antenna and 35' LW. KFNF-920 Shenandoah, Iowa, is on RS after 2 years of silence. KRVN-880 is ETing still. KFAB-1110 now DA-N. July SS is 10pm. August SS is 9:30. Vacation this year in the SE US with Florida the main objective. 73's.

Dave Rogers - P. O. Box 348 - Buffalo, Oklahoma 73834

Greetings: This will be my last report for a while w/law school starting at OU 8/25. I plan on taking my HQ-145 to Norman w/me but doubt if I will do much DXing. They have a 50% "flunk-out" rate in their freshman law classes so I imagine most of my time will be spent hitting the books. Veries since last time: v/q KGU v/1 KWEEY + CM KRVN-880 KXEN + CM KXOW + CM WJBO + CM 2NR KDMO + CM KORU (FM) KCSC (FM) WDSU V/c KREX. Totals now on medium wave: 481 (446 domestic + 35 foreign) veries w/43 states, 6 provinces, 19 countries & 4 continents verified. All veries are written; don't count tape veries even though I have a tr. Don't object to them but believe totals should be kept separate. Due to summer static I have given into temptation a little and have been sending a few reports to SW FM & TV stns. Verie back from R. Sweden 6 days after I mailed rpt. Too bad MW stns aren't that prompt, hi! I agree with LDB on the censorship issue. Too bad I can't make the convention. 73 & DX.

Charles Grise - 69153 Cedar Road - Bremen, Indiana 46506

DXers Close-out Sale!! 21 IRCs for \$3 postpaid; 33 Canadian 6¢ postage stamps \$1.50 postpaid; 1 IRCA spiral loop antenna (needs one wire spliced and tightening, but other than that is in good shape) - yours for the cost of shipping (please specify means). Apathy has finally won out - I haven't DXed since 12/31/70 and haven't gotten a verie since March. Final totals are 626/504, 44/44, 12/10. I've even taken down my longwire and now use the radio for pleasure only. I renewed for a 5th year in IRCA only because I'm still on the BoD, but I still plan on doing a good job while serving on it. It's been an interesting and fun 7 years, and maybe someday my interest will be revived. Good DX to all. 73.

Michael Daniels - 226 E. Glendale Rd. - Webster Groves, MO 63119

First, I would like to extend my congratulations to Richard T. Eddie on his fine showing in the Domestic portion of the IRCA DX Contest. Next, I hate to see LDB resign because of certain members. If those members would spend the time and energy they use in thinking up these controversies, on DXing, the whole club would be better off. 73s and see all you loyal IRCAers in Toledo.

Rich Eddie - 152 West Rose St. - St. Louis, Missouri 63119

Hello fellow IRCAers! No DX to report this time due to summer static. Bruce Heimburger and others: the 1380 stn in St. Louis is still KWK and it has not changed call letters and no mention has been made of doing so. KWK is soul music 24 hrs a day. Off MM only from 2 AM to 6 AM ELT. Transmitter is now located near Granite City, Ill., a move from North St. Louis county. I can, at times, hear WAOK in Atlanta underneath KWK at night but WAOK is umm. Another locate note---WRTH-590 Woodriver, Ill., seems to have given up their all night Monday morning programming as they are off now from 2 AM to 6 AM ELT - of course all I get is Cuba, hi. To all my SC friends and other correspondents-I have been busy rearranging my room this summer but come Sept., I should be back in the groove again. Totals now 908/508, 45/43, 6/5 and 16/11 (stns, states, provs, countries). Good DX to everybody. 73's!

Rick Williams - 9015 E. 28 St. - Tulsa, Oklahoma 74129

Hi, it's been a while since I last wrote, so here's a re-intro. I'm 13 and go to Skelly Jr. High, in 8th grade. My rx is a TRF with a headset. Totals are now 137/35 with 20 states verified. I recently went on vacation and found some new SCs so all you SCers write! That's about all for now. 73.

REMEMBER THE CONVENTION AUCTION: There's still time to donate something for the Toledo IRCA Convention Auction. Mail your donation (if you're not coming) to Gary Siegel, 2728 106th St., Toledo, Ohio, 43611. SCs, CMs, bumper stickers, ANYTHING!

+++++
Percy R. Kesteven - 13112 134th Street - Edmonton 44, Alberta, CANADA

Well, John Oldfield has come up with a sensible suggestion (for a change, hi John). He puts forth the idea that, during my shutterbug rampage at Toledo '71, I take some group shots rather than all individual ones. Not a bad idea--would save film and allow members to purchase pictures of everyone more cheaply. It horrified DEE when I told him that I had been DXing, had sent a few reception reports, and had even received veries. Well, see you in September, probably with a write-up on the photos.

Tom McCormack - 275 Littleton St.- West Lafayette, Indiana 47906

Greetings again from Indy: not much DXing done here as I'm getting ready for school this fall at Indiana University. I see see about DX tests from such Bloomington area stns as WTTT-1370, WCBK-1540, WBIW-1340 etc. for this winter DX-cavation. My main goal for this coming season is to log & verify Newfoundland (most likely CBNM-740 @ 0430 EST s/on MM). RCE pulled another boob and put my DX catches last issue in EDT, rather than EST (I always put everything in EST). (Tom--you've been told to use EDT in your reports during the summer--if you don't care to follow instructions, don't bother sending reports to Rick. -DEE). I can't figure out why WGRD-1410 s/on is 0500 EST (their local time) for a daytimer???. Latest veries here include: v/q-KRKO-1380 (6th Wash. verie), ZBM-1235 (2nd Bermuda), WSPD-1370 (Speedy-el pesto), ZDK-1100, KRLA-1110 (6 mo's, 23rd Calif.), and WJDM-1530-DX (6th NJ of 10 hrd). V/r- KLIZ-1380 (1½ yrs, 20th Minn.). V/1- TIRICA-625 and WIAM-900 (37th NC). V/f WBRC-960 (32nd Ala.). V/c- WHHH-1440 (I'm in their deepest null...Wes Boyd helped me QSL this guy, they seldom verify). 73's.

Gene Martin - 3303 East Evans - Denver, Colorado 80210

The trouble is, Lynn, there has been too much democracy practiced in IRCA, and not enough editing taking place with the members' contributions to the DXF. The editorial philosophy that almost anything goes caters to irresponsibility, the intemperate utterance, and personal vendettas in the membership over the most trivial issues. Youthful extremism is frequently on display in the DXF, and I suspect most members appreciate the occasional spanking you have administered to such contributors as you printed their offerings. And you, Lynn, should try to master the essential sense of humor to enable you to withstand all the ill-considered comment that reaches your desk. In any event, the club needs your mature handling of the Midwest DX Forum -- and I believe the membership overwhelmingly joins me in wanting you to stay on the job. After all, shouldn't a DXer be used to static?

James P. Mohler - 531 Whiting Ave. - Iowa City, Iowa 52240

Well, long time no blue (pages, that is). It seems I always write to the blue pages when my rx is not in shape. One of the adjustment coils on my Allied-2515A disintegrated before my eyes, and Allied said that to replace the slug, they have to replace the entire coil set-up, all fifteen coils. That's the trouble with those printed circuits. Convention time is a-comin', but golly-gee, oh-darn (will those pass as swear words?) I just ain't a-gonna make the scene. It's called family vacation time. But I at least get to stay home, so any of you traveling on Interstate 80 through Iowa, but call ahead, if you wish to come. Don't drive a semi by Iowa City, I can't get to sleep with all those semi's driving through on the Interstate. 73.

Steve Taaffe - Box 156 - Dayton, Indiana 47941

Greetings everyone. Latest DX: WFPG-NJ WVON-111 WSUI-Ia KSCJ-Ia CKFH-Ont WJAX-Fla KTYN-ND WAAM-Mich WXVW-Ind. I have also been doing some FM and TV DX which isn't too bad at all. Latest veries: v/q KSCJ and WJDM-DX Test, too 5 months. I was really surprised to see this verie after all this time, but never give up. V/f CKFH (very inspecific). There are 2 new Ind. stns coming on the air, WAYT on 1510 in Wabash approx. Oct. 7. Another is WHYT in Noblesville on 1110 which should be on by Sept. 1 according to NRC bulletin. I have also been hearing a pirate on 1610+ which is playing some C&W and rr and has mentioned Springfield several times. At first when I hear it, they were running Ac news and Coke spots which led me to think this was a spur but after an hour of listening, during which they never gave an ID, they went off the air and then came back on. They did this for about 15 minutes and then finally went off. Anybody got ideas who this mystery station is? That's all for now; 73's and see ya in Toledo.

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MIDWEST DX FORUM

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Next Deadline: August 26, Thursday. Please be sure reports are received on time and that the name and address are on the top of the report, preferably in the same format as below, and that the name appears on each page. Please double-space.

David Oliphant Jr. - 798 16th St. N.E. - Medicine Hat, Alberta, CANADA

Greetings from the city with all ----- for a basement. Having quite a bit of spare time this summer, I have taken the time to work out the number of people who contributed to the DXM from Sept. 1 to June 30. The results: 155 reported to their Roundups; 228 reported to their Forums; and 188 reported to DXWW. 50 members rptd to all three sections. A total of 266 (just over 50%) reported to at least one sect. This was compiled using the May 1 membership list. 7 new stns hrd since July 1 (today is 7/13). What province is CFEK-1240 located in, Alberta or B.C.? Anyone wanting to trade U.S. stamps for Canadian ones, write me. State whether you want 7¢ or 8¢ stamps. Postage in Canada goes to 8¢ on July 1. Can anyone tell me if KTFI-1270 Twin Falls, Idaho, signs off at 0205 EDT? (They used to. -DEE). That should be about 15; Summer DX Lives.

Joe A. Markewicz - 1394 Elgin Ave. W. - Winnipeg 3, Man. CANADA

Hi. It's nice to see all those Man. stns are getting out so well. To correct the LPRT list, DXM 5/70, CBKB-860 and CBXF-860 do not relay CKSB-1050. The only ID given by these LPRTs is "Ici Radio Canada". For the CBC addicts, CKX is still a CBC affiliate. CKX-1150 has a bad habit of taking its newscasts & programs from the "Pacific Network"; don't be fooled. There are four EE LPRTs in Man., not three as mentioned in PoM. They are CBDS-690, CBWB-690, CBDU-860, and CBWG-1400. From a reliable source, the N.W. Ont. LPRTs usually relay CBW-FM days and CBW-990 nights. CFRW dropped the Drake format, stereo rock and the 'Boss Jock' stuff for more mx and less talk. The CRTC has not yet replied to CFRW-FM's request to run stereo rock. CKSB-1050 now has Italian programs some evenings. KEYJ-1400, Jamestown, N.D., has an unlisted f/c on 3rd Fri. 0125-0135. CJOB-FM now carries Winnipeg Whips Baseball. CBW announces that it will broadcast all the Bombers football games. Ever thought that the SoM for Iowa was S.D.'s revenge for losing the convention? hi. 73.

Tom McCormack - 275 Littleton St. - West Lafayette, IN 47906

Hi. I've been accepted at Ind. Univ. and a new address will follow, as the fall session starts Aug. 25 (we get a month off for Xmas vacation tho...hope to DX alot then). Only goal for the coming DX season is to log and verify Newfoundland..... (This rpt duplicates, in part, one dated 7/26; it was dated 7/3 and single-spaced inside a letter to LDB; no doubt Lynn didn't notice the rpt in time for last issue. Tom goes on to say: "BWB: WITH took 2½ yrs to verify for me." -DEE)

Fred Hendricks - 11 Ravina Park - Decatur, Ill. 62526

It's been a long time since I reported. Totals now 438/253, 36/32, 5/5, 9/4. Latest verifications. V/q KWRE-730 WJAX-930 KLRA-1010 WBT-1110 WSLR-1350 WIRE-1430+CM WOHO-1470; v/l CKBI-900 WGNU-920 KWKY-1150 WTAE-1250 KGNO-1370 WAOK-1380 KCLO-1410 WVJS-1420 WDIC-1430 KILQ-1440 WQOK-1440 WBNS-1460 WKAM-1460 WGSB-1480 WABJ-1490 WLCX-1490 CHLO-1570; v/f WFDL-910 WBRC-960 WISE-1310; v/pp WITZ-990 WCRA-1090 WHIO-1290 KDTH-1370. Verie % 89. If nothing goes wrong, I plan to attend the convention so I can meet some of these strange people who spend all their time with one ear inside a rx. I joined the NRC and like their Latin American Log. 73 and good listening.

NEW ADDRESS: Gary D. DeBock - HR D82-12-77 - Co. 247, 12 Batt - RTC Great Lakes, Illinois 60088; effective 7/26/71.

TYPING TIPS: To make your typing look more professional, always double-space after periods. Nothing looks worse than no space after a period. And any stn secretary will immediately notice the professionalism or lack of it. When folding letter-size sheets of paper 8½ X 11 there are 2 standard methods; for a small envelope (letter size, they are called), fold in half from bottom to top and then in thirds from the sides. For a legal-size env., fold in thirds.

CONVENTION AUCTION: Want to donate something but can't attend? Send a card to Gary Siegel, 2728 106th St., Toledo, Ohio 43611, stating the item, condition, age, or other pertinent description. If the item is large indicate whether shipping will be paid or is at the expense of purchaser. Just a few suggested items: photos or DXers you've met, stn promo items, old radio bull's, mags, maps, etc. Write Gary now!-DEE

EDITOR: RICHARD C. EVANS, BOX 2146, EAST CHICAGO, INDIANA 46312

DEADLINES: 8/26 9/9 9/23 10/7, then each Thursday through March!

+++++

- 880 KRVN NE Lexington, v/l from CE states they intend to be in operation fulltime on 880 by Labor Day. Projected sked is 0600-0100 (DR)
- 1450 KSIW OK Woodward, S/on 0700 (0800 Sun) w/O What a Beautiful Morning, s/off 2315 daily after Nx w/It's a Lovely Day Tomorrow (DR)
- 1470**KWAY**IA Waverly, conducts f/c on 1st MM of each month, times 0545-0600 ELT, per v/l f/CE J W Talbott (SAM)
- 1590**KWEY**OK Weatherford, Acc. to v/l from CE Harry Gilstrap, he occ. tests transmitter between 0500-0700. S/on 0700 w/psa of 500w. Has a two tower directional array w/major lobe to the SW (DR)
- KEND TX Lubbock, hrd using these new calls in evening 7/14(BN)
- +++++
- 570 WMCA NY New York, in briefly w/Nx, ID and more Nx 0358-0403 then WKBN over them 7/23 (SAM)
- 790**KUTA**UT Blanding, f/c hrd 0137-0145 TT 6/29 (BN)
- 890 WLS IL Chicago, was hrd off 0103 7/12 (SAM) (Try 8/30-rce)
- 1080 KRLD TX Dallas, s/off MM 7/5 0205, ann. s/on 0545. Reg? (DR)
- 1140 CKXL ALTA Calgary, weak-fair w/rr Mx 0436-0479 7/19 (SAM)
- 1150 KSAL KS Salina, s/on 0630 7/9 o/WJBO (DR)
- WJBO LA Baton Rouge, s/on & into Nx 0600 7/9 v/l (DR)
- 1180 VOA FL Marathon Key, Hrd in SS o/WHAM-KOFI w/ID 2300 7/10 as "La Voz de Los Estados Unidos de America (DR)
- 1240**KAVE**NM Carlsbad, f/c 0200-0215 7/17 TT (BN)
- 1280 WDSU LA New Orleans, Hrd o/KTLK w/ID 2200 7/18 (DR)
- 1290 WHIO OH Dayton, fair s/off 0106 7/22, also fair s/on's mixing w/WIRL (SAM)
- 1300 KBRL NE McCook, s/off 7/21 2115 after "Portals of Prayer (DR)
- 1320 KOLT NE Scottsbluff, Hrd w/ID & Wx & mention of "KOLT 45 Survey" 2118 7/21 (DR)
- 1370**KVWO**WY Cheyenne running ET 0205 7/15 TT (BN)
- 1420**KXOW**AR Hot Springs, Hrd ET ending 0638 7/9. V/l (DR)
- 1450 WMBH MO Joplin, On top of freq. 0810 w/SID 7/11 (DR)
- 1460 WBNS OH Columbus, fair 0118 w/MoR Mx 7/26 NSP now?(SAM)(Yup!)
- KLLL TX Lubbock, Hrd w/SID & spot 0755 7/11 o/WACO (DR)
- WACO TX Waco, s/on w/SSB & into Nx 0630 7/17 (DR)
- 1480 KPUB CO Pueblo, finally logged w/C&W 2131 7/18 after years of trying (BN)
- 1490 KDMO MO Carthage, s/on 0758 Sun.Morn. 7/11 & into Nx. v/l (DR)
- 1500 KDFN MO Doniphan, S/on 0800 Sun.Morn. 7/11 in the clear (DR)

R/C'S HEARD VIA THE LBG LIST:

- | | |
|-----------------------------|-----------------------------|
| 1st SAT: WDOC-1310 KY (SAM) | 3rd SAT: KSRC-1290 NM (BN) |
| WMOV-1360 WV (SAM) | KALG-1230 NM (BN) |
| 2nd THU: WYDE- 850 AL (SAM) | 4th MON: WFLN- 900 PA (SAM) |
| 3rd MON: KWLA-1530 LA (BN) | KWFR-1260 TX (BN) |
| 3rd WED: KINT-1590 TX (BN) | KLMS-1480 NE (BN) |
| KULY-1420 KS (BN) | 4th FRI: KGVl-1400 TX (BN) |
| | KSIW-1450 OK (BN) |

A TIP OF THE HAT THIS MONTH TO:

SAM - STEPHEN MILLAY - 550 Swain Avenue, Elmhurst, Illinois 60126
 BN - BILL NITTLER - 4950 S. Julian, Englewood, Colorado 80110
 DR - DAVE ROGERS - Box 348, Buffalo, Oklahoma 73834
 A SHORT SECTION THIS TIME. HOPEFULLY, THE NEXT DEADLINE IS 8/26, HI!

Mike "DOC" Hardester - 401 Birchwood Court - Modesto, CA 95350

Almost three yrs ago, I joined the IRCA and found the reception to be friendly and helpful. Certain members soon showed me the ins and outs--if you will--of the DXing hobby. I've seen a few controversies come and go and with their passing a new controversy soon took the scene of attention. Our most pressing controversy appears to be the matter of censorship. I believe all the editors have been fair in censoring reports and I believe this from the fact that I trust to the extent of being intelligent, devoted, unselfish persons: persons giving up much of their free time--DX and otherwise so that each member of the club--the IRCA--can benefit in the rpts that appear in each DXM. Attacking an editors' actions--actions that protect the IRCA and the editor from suit or other civil actions--w/o facts or substantiation is the act of a mentally ill or disturbed person. I base this judgement on my own observation in mental hospitals (as a worker) and my training. Persons that try and get attention w/o any need for attention are disturbed. A child that cries until his parents' "comfort" him needs help if there is no observable reason for his discomfort. If those against censorship can show just cause why an editor should not censor something then give facts...not opinions. I'm behind LDB & all editors.

Jay Murley - 1733 Candlestick - Newport Beach, CA

Time for an irregular rpt, if only in homage of the valiant San Diego-Huntington Beach technicians who are getting up some useable gear for DEE to DX on. They've done it before for others as this ten-thumbed reporter can testify. But anyone who has ever visited that old prospector's shack, commonly referred to as Toyland, has to pay tribute to geniuses who can engineer enuf square footage to provide DXing room. Top marks for guts also to guys used to normal beach wx who could venture to Riverside in summer. Bet they end up jury-rigging an air conditioner. Speaking of places w/impossible summer wx, hope to see many at the NRC's W. Sacto annual gathering. Unlike Riverside, W. Sacto is wide-open. Or was, until they recently voted to go dry. The El Rancho bar may be pouring sasparrilla, but it's the only sasparrilla in the country with such flavors as Yakima Hops and Kentucky Sour-mash. And the uncola has that strangely Mexican taste that goes awfully well w/maguerita mix. But like the locals say, it's a nice place for those of you too young to drink legally. You can sober up meandering home.

14 AUGUST 1971 MIDWEST DX ROUNDUP
EDITOR: RICHARD C. EVANS

+++++
I joined the IRCA with the 2/23/65 issue and through six and a half years of reading the bulletins, only one column has really impressed me as being informative and easy to read, as being consistently well edited. Now he is, in effect, being forced to quit because he is doing his job and doing it well. One also reads at the same time, and constantly, that the IRCA is #1. As long as we continue to heap abuse on those individuals who contribute their time and money to putting out the bulletins week after week, we cannot consider ourselves to rank even #10! The way we bicker and carry on sometimes about things that don't concern the hobby of DX, there would be no great loss if the club would fold, much as I would hate to see that happen. I hate to even think who will follow LDB as editor. Those shoes will be hard to fill. -30- A last minute phone call from Roger Winsor states that WKJR-1520 is now definitely on with 10kw, and also that WTPS-1560 Portage, Mich. is back on the air again. See you guys in Toledo, I hope. 73.

Greetings IRCA. In regard to my last Forum article 7/19 I said that you could add city and frequency to a tape verie with clear call. But that got alot of comment saying its fakeing. I soon realized that and so I wish to retract that portion of the article. Also in the 7/12 DXM certain rpts were edited. I urge the membership to write to those people whose articles were edited to find out what they had to say. This MM I DXed with Bill Harang. I pulled in about 15 new stns and Bill pulled in about seven. I would also like to thank Bill for typing my reception reports, Forum rpts, and round-up rpt while the typewriter was laid-up. No veries lately, so 73's and good DX.

Jerry Thatcher - 1329 N. Poplar - Fresno, CA 93728

DX activities are going to be curtailed around here for awhile due to my enlistment into the Air Force (seems I can't stay in one place long enough to do any DXing anyway). Any correspondents I haven't notified already, please take note. I'll try to correspond once in awhile but don't count on it for awhile. I hope no more of these stupid controversies come up while I'm out of touch with the IRCA (for about six weeks). I sent a copy of the DX Monitor to the CE at KXLY-920 and I had to go through six months of copies to find one I was proud to send--one full of DX and not this stupid bickering among some of the members. It seems that some of the members spend as much time thinking of ways to downgrade the IRCA and DEE in particular as they do DXing. Enuf said, so gud DX to everyone.

Paul Welka - 15340 Union Ave. - San Jose, CA 95124

Hi ya. I don't think I've reported in quite a while. The last local bash was at Mike McCullough's house. Tnx MM. I guess the best catch there was KWYR. Oster and I were going to bash McCullough if we didn't get South Dakota that night, but we did. I received a nice informal v/1 from KCAC (v/s Karol) and a little CM w/a peace symbol on it. I've written for a refund to ASWLC

SCers pse write. I have cms (photo copies) too but I prefer to trade them for surveys. Anybody pse write. Harang: What is a fake stn? I don't think I've ever hrd one. I support the idea of converting DXM to GMT. Down w/NSPers, RF polluters, high postage rates, non-verifiers, etc. Where are you Canadian SCers? Please write. Hasta luego.

Bob Jacoby - 556 E. Alvarado St. - Pomona, CA 91767

Finally got my WAGL verie from Harry Helms after a long hassle trying to locate my report. Still no verie from KPIN reception last spring. I believe everyone else who hrd the TEST got theirs. I recently had a great vacation on the EC where the cx, I found, are considerably worse in the summertime than on the WC. Unfortunately, two trips East in one summer appear to be an impossibility so no Toledo. Maybe W. Sacto, though. I would advise some to buy a dictionary, one person already has, and learn the difference between editing and censoring. 73 and DX!

Don Erickson - 6059 Essex St. - Riverside, CA 92504

Bob's right; he edits (sometimes); I censor (often). R390A is working nicely; tnx to John Kolb's helpful visit and training session on how to use the rx. Aris Papafingos and Bill Powers helped me construct a LW to go along with the IRCA Loop. Ph. calls welcome. 714-688-6010 or send me your # and I'll pay for calls. CU in Toledo.

Dave Christensen - 3434 39th W. Seattle, WA 98199

Hi all. Not a whole lot to say, but I want to wish everybody a good time at the convention in Toledo, and I hope that you'll have as much fun as I did in in Vancouver last year. Unfortunately, Toledo is just too far away. Speaking of Vancouver: tnx to Larry Killick for putting Chuck Albertson and myself up for Grant's get-together. Had a great time, and maybe next time you can introduce me to the rest of the Vancouver and Harbor police? Only one verie: KOY-550 v/1, v/s Roger E. Johnson, CE. Any other Marx Brothers and/or Firesign Theater freaks? If so, write. If anyone in one of the major cities can tape live rock b/casts (like Elton John over WABC-FM, or Brewer & Shiply on WBCN-FM), I'll trade you anything from this area on AM, FM, TV on ree/reel or cassette. 73 and good DX.

August 14, 1971

WEST COAST DX ROUNDUP

Page 11

Editor: Grant Manning, 4034 Ingraham St. San Diego CA 92109
Bossline: 274-4233; Deadline: Fridays, each week typed seperately.
Please use 24 hour system, and temporarily PACIFIC LOCAL time. (Next pg.)
All I have talked to are in favor, so as soon as the new BoD get's in,
I'll make it offical. This column is in EDT. From now on: like the
clock on the wall!! (See next page regarding WC DXR time zone-DEE)

- =====
July 11-18
=====
- 570 KVI WA Seattle in fair sig o/KLAC w/MOR mx, 0311, 7-4. (MM)
 - 600 KVCV CA Redding in good w/report on local food prices 0910-12,
7-12. (MM)
 - 920 KOLO NV Reno in fair w/nx 0155 7-4. (BH)
 - KXLY WA Spokane w/poor sig u/KOLO w/nx, 0205 7-4. (BH)
 - KGAL OR Lebanon AN 7-12 MM w/RR. (BP)
 - 970 KCHV CA Coachella in fair w/mx 0405 7-12. (BH)
 - 980 KFRM SK Regina in fair u/CKNW w/wx and ID 0604 7-12. (MM)
 - KVLV NV Fallon w/excellent sigs on SSS, s/off 2315, 7-3. (BH)
 - 1010 KCMJ CA Palm Springs fair sig, w/soft mx 7-12, 0535. (BH)
 - 1070 CFAV BC Victoria, 7-5 0540 w/MOR and fair sig. (BH)
 - 1090 XERB BC Tijuana, that you'd all like to know they've changed
calls, now XEBRS, goodbye XERB! (GM) (Least I think XEBRS)
 - 1230 KMOR UT Vernal 7-12 0330 w/ID poor sig. (BH)
 - KYJC OR Medford atop w/nx & rr 0810 7-4. (BP)
 - KDMN MT Bozeman in good w/s/on and SSB 0732, 7-12. (MM)
 - 1260 KTEE ID Idaho Falls in good w/ABC nx, 0801 7-12. (MM)
 - KWIQ WA Moose Lake in good w/ET and RR 0644-50 7-12. (MM)
 - 1380 KGMS CA Sacramento s/on 0755 into relig. talk 7-12. (BP)
 - KTOM CA Salinas s/on SSB into SS pgm 0759 7-12 w/unbeliveable
strength. (BP)
 - KLIZ MN Brainerd atop KOTA briefly 0703 7-12. (BP)
 - KSWO OK Lawton s/on 0630 followed by SSB 7-12. (BP)
 - KMUS OK Muskogee s/on SSB 0600 7-12 and into CW. (BP)
 - CKLC ON Kingston s/on w/OC 0445 7-12 and into CW. (BP)
 - KOTA SD Rapid City s/on w/hymn 0655 7-12 into wx, and CBS nx,
(BP) In poor w/s/on & wx, 0700, 7-12. (MM)
 - KTSM TX El Paso s/on 0730 7-12 w/SSB then MOR. (BP)
 - KEZE WA Spokane s/on 0800 7-12, atop all. (BP)
 - KRKO WA Everett off MM 7-12 until after 0830, reg for three or
four weeks now. (BP)
 - 1400 KONG CA Visalia in good w/s/off 0304 7-10. (MM) In SS 0802
w/EE ID 7-12 & good sig. (BP)
 - 1450 KYET ID Payette in good w/ID 0729, 7-12. (MM)
 - KUDI MT Great Falls in fair u/KYET w/ID 0728 7-12. (MM)
 - 1460 KVRE CA Santa Rosa in fair w/KDON nulled, 1300 w/ID 7-12. (MM)
 - 1490 KDB CA Santa Barbara w/ID FOR AM-FM 0209 7-9. (MM)
 - KAIR AZ Tucson in w/fair sig and mx, 0530, 7-5. (BH)
 - KOWL CA S. Lake Tahoe in good on top w/wx, 0130 7-9. (MM)
 - 1550 KXEX CA Fresno in fair u/KKHI w/SS pgm and EE s/off, 2315,
7-9. (MM)

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I am sorry for stuff cut, missed, etc. I just returned from two weeks
vacation to Vancouver BC to see relatives, DXers, etc...I then get my
MONITOR & find the deadline moved up a week...sooo, it was a pleasure
to see everyone, in Vancouver, Salem, Sac, San Jose etc, I wish I had
had much more time to yack, but gotta make some more bucks!
Would like to thank Don Kaskey of the El Rancho for his excellent
hospitality while we were in Sacramento. It was appreciated!
Checked out the NMC convention facilites at the El Rancho, the pool,
quality of liquor, air conditioning etc, all excellent; also received
an official invite from the host for IRCA members- the convention is
Labor Day weekend, at the El Rancho, San Diego might make it, since
Toledo is out for us at this time. Holding some reports - next time!

Once again, your hard-working (?) CPC Chairman brings you a report in the continuing series of reports designed to keep you up-to-date in the happenings and workings of the CPC.

It being just before the beginning of another season, I want to make the plea that all the former CPC Chairmen have uttered in years past (ofttimes to no avail): "Help! We need volunteers!" The CPC is one of the most poorly supported operations of our club, and needless to say, it should be one of the most strongly supported. Remember, the success of the CPC directly affects and benefits the members of the club.

The CPC Regions were re-divided last year, into larger regions mostly, in relation to number of stations in each region. I try to place persons with regions that they live in, or close to their own region, since they are closer to their contacts, and know more about which stations to contact.

For those newer members or older members who have forgotten, here is a short explanation of the organization of the CPC:

- 1 Purpose: to arrange for tests aired by seldom-heard BCB stations to be widely heard through use of advance publicity; and to encourage and strengthen DXer-station relations.
- 2 Membership: open to all IRCA members (it helps to have a year or so's DXing experience, but this is NOT necessary).
- 3 Operation: each member is assigned a region, and he works by himself, or with another CPC'er assigned to that region in contacting stations in that region regarding upcoming tests the station will be broadcasting. Members also work only on stations on frequencies allotted to IRCA by agreement with the NRC.

For a list of Regions, or frequencies, and/or further information be sure to contact me. I will be available at the convention to discuss anything regarding CPC that you may have on your mind, or I usually answer letters, and always answer the phone (hi).

If you wish to volunteer, or re-volunteer, let me know, and I'll assign you to a Region and you can get busy. Let's make this a banner year for CPC tests! I do have available a couple of printed sheets on the organization and operation of the CPC that go into more detail than I can here. These include IRCA CPC Policy, Test Follow-Up Procedures, and How to Set Up A DX Test. Also available are sample CPC letters to stations.

To all those on last year's CPC: Thanks for your time, and be sure to let me know if you want to work on this year's CPC. Perhaps, if CPC work this year warrants it, we also can have a plaque presented to the CPC'er of the Year, just like another club I know of. It looks real nice on a wall(I speak from experience, hi).

That's all for this month. Will Marvy do a grek of a job? And just who is Waldo Marion?? Answers to these and other perplexing questions next month (maybe).

Dan Myers, 2650 104th St., Toledo, OH 43611 (419)726-4348

Regarding time zones Grant apparently didn't realize the necessity of changing the EP before changing time zones. This requires Board approval. WC DXR will remain on ELT (like the remainder of the domestic portion of DXM) until there is, at a minimum, Presidential temp. approval, assuming the Pres. has that authority. Report in ELT until advised otherwise. Thank you. -Publisher

SOME COMMENTS ON

"THE LOOP-SENSOR CARDIOID ARRAY"

(DX MONITOR, 5/1) § by Gordon P. Nelson

Quite a number of technically inclined ECB DX'ers have experimented with "cardioid" loops over the years, but have generally reported rather disappointing results. In our experience this has resulted from a combination of the inadequate theoretical discussions given in the standard technical references, the inherent complexity of the equations for practical cardioid type arrays, and the physical and electronic delicacy of these arrays in actual use. Based upon several years of both theoretical and practical work on pattern controlled loops (of which the cardioid is a special case) we would like to make a few comments on Mr. Schatz' interesting recent article.

Paragraph (2). A cardioid loop pattern can never be obtained by a combination of a loop and "horizontal long-wire". A cardioid pattern can only result if the electric field antenna (with which the loop is summed) is perfectly omnidirectional. Unless the pickup of the electric antenna is completely invariant of azimuth (i.e., has an azimuthal pickup function of the form $f(\theta) = \text{constant}$, where θ is the azimuth) the resulting pattern cannot be a cardioid, no matter how the signals are combined. In the very realistic case that the electric field (or "sense") antenna is not omnidirectional in azimuth (most certainly the case if it's a horizontal longwire!) but has instead a signal pickup which varies with azimuth as given by some arbitrary function $f(\theta)$, the resulting pattern is not a cardioid but a nameless form with the general pickup given by

$$\text{Pickup} = k\sqrt{\cos^2\theta + 2f(\theta)R\cos\theta\sin\phi + R^2f(\theta)^2}$$

where R is the ratio of electric to loop antenna signal ratio, ϕ is the relative phase relationship, and k consists of sundry lumped physical and electrical constants. A cardioid pattern can exist only if $R = 1$, $\phi = 90^\circ$, and $f(\theta) = \text{constant}$ since only when all of these conditions are met will the general pickup equation given above reduce to that for a cardioid pattern - thus completely raling out the use of an "horizontal long-wire" to generate a cardioid pattern. Only a perfectly omnidirectional antenna (i.e., a vertical) can sum with a cosine loop pattern to produce a cardioid.

Paragraph (2). The cardioid pattern equation given in DXM is incorrect; the slightly different version given in the DX NEWS version of this article is also in error. If ϕ is set at 90° the general equation given above reduces to the form $(\cos\theta \pm R)$ where R is the "sensor" to loop voltage ratio. If the sensor to loop voltage is equal to one, this becomes $(\cos\theta \pm 1)$; the choice of sign determines whether the cardioid null occurs at $\theta = 0^\circ$ (- sign) or at 180° (+ sign). Under no conditions can the argument of the cosine function be anything other than θ . The version in DX NEWS is correct if the "K" under the cosine is neglected.

Paragraph (5). (If the values in the table are assumed correct, then ... -RFS). For the "Figure-8" the values should be: 37° , 12° , 4° , 1° , 0.4° , 0.1° , and 0.04° respectively. For the LSCA they are: 137° , 74° , 41° , 23° , 13° , 7° , and 4° .

Paragraph (7), part (d). This is a most serious and fundamental error as it suggests that it is possible to construct a simple LSCA which is insensitive to changes in the effective polarization figure of the signal wavefront at the receiving site. This is not only impossible

in practice but in theory as well. The equations for a cardioid loop given in most texts and literature references implicitly contain a number of unrealistic simplifying assumptions which are invalid in the case of real antennas operating over real MW signals over nonideal ear earth. Simple "quasi-cardioid" arrays such as the LSCA behave roughly like the simple idealized cardioid for nearby stations received primarily by groundwave if they are carefully designed and adjusted. Even arrays exhibiting good cardioid-type patterns for predominantly skywave signals behave erratically and uncontrollably for distant stations received via skywave, however. It can be rigorously shown that no linear combination of vertical (or any other form of electric field antenna) and cosine loop signals can be made to exhibit a cardioid pattern independent of the effective polarization figure of the signal wavefront at the receiving site. In practice this means that the effective shape of the LSCA pattern will vary significantly with time for skywave signals as the effective resultant polarization figure changes from second-to-second, minute-to-minute, and hour-to-hour. Intuitively this makes sense when you consider that a cardioid pattern can only exist when the phase and amplitude relationship between the two antenna signals remains fixed ($\phi = 90^\circ$ and $R = 1$ in our notation). While the former condition can be met by simple passive circuitry, the latter one cannot be expected to hold for real skywave signals since the vertical patterns (not to mention the polarization responses) of vertical and loop antennas are quite different. It should not be too surprising then to discover that simple loop-vertical arrays do not exhibit cardioid patterns for skywave signals except when the pickup ratio R happens to instantaneously exactly equal unity due to a fortuitous combination of antenna and signal polarization effects. (We have derived and evaluated on the computer the generalized equations for arrays of this type taking into account all of the physically significant complications neglected in the standard textbook treatments including resultant signal wavefront tilt due to skywave reception, the effect of the nonideal ground beneath the antenna, the differential phase shift between the signal components, a generalized electric antenna pickup function, effective polarization angle of the signal wavefront, et al.; the derivation is about 6 pages long and much too complex to include here; copies are available from the author upon request. Extensive experimentation with actual arrays agrees with the theoretical expectations.)

Paragraph(3). Two more disadvantages should perhaps be mentioned, and another given by Mr. Schatz underscored. Much of the usefulness of the loop antenna arises from its ability to effectively "ignore" nearby man-made local noise as from neon lights, etc.; this is due to the fact that a well designed and constructed loop responds only to the magnetic component of both the desired signal and the local noise. Since there is actually more power in the electric component of a nearby noise signal than in the magnetic component, the loop can provide significantly quieter reception than long-wires or verticals of equivalent sensitivity for distant signals. Summation of the signal from the noise-resistant loop antenna with that of the signal from the relatively noise-sensitive electric antenna reintroduces a very considerable amount of the local noise which would have been rejected by the loop alone. Thus an LSCA-type of array cannot be expected to provide quite as much local noise rejection as a good loop by itself under the same conditions. Secondly, it will be much more difficult to produce extremely deep nulls on powerful local stations (say a 50 kw'er within a few miles) with an LSCA-type array than with a well balanced loop. This is because extremely small fluctuations in the ratio of electric to loop antenna pickup (as are introduced by drifting in the electronics) and the relative phase shift result in very substantial modifica-

tions to the effective pattern. Fluctuations in the relative pickup smaller than one part in a thousand or drifts in the phase shift of less than one degree are enough to prevent us from being able to null our superlocal WRKO-680 down to the level of backscattered skywave. The actual numbers showing the influence of minor drifts in R and θ on null location and depth are given in a recent issue of DX NEWS; this confirms Mr. Schatz' observation in part (c): "Using the LSCA, especially tuning the null, is a test of patience." While we believe that we have made some significant advances in the area of drift reduction in the necessary electronics, a good deal of work still needs to be done before the pattern controlled loop (or the special case of the LSCA) is easy enough to use for casual DX'ing.

-30-

+ + + + +

If you desire a copy of the mathematical derivations mentioned by the author, write Mr. Nelson at 19 Irma Avenue; Watertown, MA 02172. Take proper consideration, however, as even Mr. Nelson describes these derivations as "hairy".

Once again we request that all "decibel" figures appearing in "ISCA - I" be changed to read 0.6x their stated values. We thoroughly apologise for this accidental blunder of haste.

Many of the "Comments" brought forth by Mr. Nelson in his article above are quite valid within certain confines. If we may expand some ideas on some:

P.2 (first): A cardioid reception pattern can be created with the use of a non-omnidirectional sense antenna, but only with reference to a single particular station for which R_{θ} is equal to unity. Furthermore, it should be mentioned that the reception pattern created when $f(\theta)$ is introduced into the general pickup equation does not rotate along with the loop, better it changes shape constantly as the cosine pattern varies in azimuth.

P.2 (second): Our formula for the cardioid, $K + \cos\theta K$, ($K = 1$), though not standard, is still mathematically correct, as an attempt to graph the equation as defined will reveal.

P.7d. The LSCA is inherently immune to many of the adverse factors which afflict the common figure-8 loop, including imbalance and dynamic polarisation effects. Our statement, though strong, does hold true but constant manual or automatic control is mandatory to achieve this condition.

P.8: First, contrary to Mr. Nelson's predictions, we have developed a relatively noise-insensitive vertical/omnidirectional antenna with magnetic characteristics, which is why we have not included noise as a disadvantage. Second, we have not experienced the difficulties so experienced by Mr. Nelson with regards to deep nulling powerful local stations, so this also was not mentioned as a disadvantage. However, we have found that the cardioid null is highly frequency selective, and the effects are interesting. Although we can eliminate the carrier of our superlocal WINZ-940 the higher audio frequencies still make it through the passband, often giving an SSB effect in the audio quality when a second carrier is not present.

Recent successful experiments with a revolutionarily new type of omnidirectional antenna element has led us away from further development of the LSCA in favour of a "multi-pattern array". The "MPA" will be noise resistant and free from adverse dynamic polarisation effects among other advantages. More later. / Ron Schatz /

419-

P. 16 MORE NEWS ON THE IRCA CONVENTION!! 8/71
When arriving in Toledo, please call Dan Myers at 726-4348, 24 hours a day. There will be someone always there to answer the phone and take messages. All arriving people please call this number when arriving in Toledo. And if you have not registered yet, please do so right now, so that your registration forms will be in Toledo by August 10th! This is very important, because banquet plans must be made by this date. However, we hope to be able to accomodate any late registrants who were not able to definitize plans before August 10th, though banquet space isn't guaranteed. All items for the auction should be sent to Gary Siegel, 2728 106th Street, Toledo OH 43611; postcards describing the auction item in lieu of the auction item itself will also be accepted if the donor prefers to later mail the item to the winning bidder or is not certain of getting the item mailed to Toledo in time. For early arrivals, there may possibly be one or two "impromptu" Toledo station tours taking place on Friday afternoon, as some of our stations can take groups only on weekdays. And speaking of tours, the Detroit puppet is being manipulated by strings that are being pulled in Ypsilanti; or to clarify this, a friend of mine in Ypsilanti who knows more radio personalities nationwide than some of our EBCB logged totals (!) is trying to "pull some strings" for us at WJR and CKLW so that Saturday tours may be arranged. WWJ has confirmed the requested tour already but something further is needed to make a Detroit trip worthwhile, and with a little luck he might be able to provide the "something further." In addition, this fellow might attend the Convention on Sunday but he isn't sure yet. Last but not least, a speaker has been arranged for the Saturday evening banquet, but we'll kind of keep it a surprise for now. Well, that's all the news that's fit to print, and the last that will be published prior to the Convention. All prospective Convention-goers will receive maps telling how to get to the Town House Motel. This is also LAST CALL! for registrations; PLEASE get them to Dan Myers by August 10th!! Last-minute planners, make your plans now! And you that are driving, please do drive carefully both to and from the Convention! None of us want a repeat performance of 1962's triple fatality accident. We hope to see many of you in a few days, in TOLEDO!
TOLEDO IRCA CONVENTION COMMITTEE: Dan Myers, Frank Merrill, Gary Siegel.

REGISTERED AND CERTIFIED MAIL Besides being expensive, these forms of mail are nearly impossible for your publisher to receive without a 5 mile road trip to the PO. They must be signed for and my carrier arrives when I'm at work. Please bear this in mind. -DEE

WTFDA CONVENTION The time for East Lansing is this coming weekend, Aug. 13-15. If you haven't made reservations, it is a bit late but you might contact Roger Brown, 1617 Linden St., E. Lansing, MI 48823, by phone and see what he can do. Phone is 517-351-6126. Reg fee is \$10. Convention to be held at University Inn Motel on Trowbridge Rd. at the Trowbridge Exit of US 127 North. (Note: one source says dates are Sat. and Sun.; your pub. may have incorrectly stated Fri. or it may have been stated Fri. elsewhere; I'll be there by Fri.-DEE)

NRC Convention There's still time to make plans for the NRC Convention in West Sacramento, Calif., during the Sat-Sun-Mon Labor Day weekend. Don Kaskey has issued an invitation to IRCA members to be in attendance, through Grant Manning; if you don't show up, YOU LOSE! Hotel El Rancho, as any WC DXer who has attended previous ERBA meetings can tell you, is superb for a convention. It is set in a motel style with all rooms on ground level; rates are good, rooms are exc., DKK makes a superb host in every possible way. Grant adds the swimming pool is wonderful and the liquor reasonable. The meeting rooms are nice too with even a refrigerator. All the WC IRCA group is making plans so don't hesitate to be there for lack of familiar faces. If you need any further encouragement, give DEE a call and I promise I'll sell you on being there! Even if you have to walk... For official details, write: Don Kaskey, Hotel El Rancho, 1029 W. Capitol Ave., West Sacramento, Calif. 95691. Rooms are \$10 per night single, \$13 double or twin, \$15 triple...banquet will feature sirloin steak...plus all the beer you can drink.

IRCA Report Forms and Letterheads Don't be left without any IRCA RFs and LHs! Only 49,900 of the 50,000 RFs are still available. Wow.... And there's only about a ten-year supply of letterhead paper available. Specify RFs or LHs and send \$2 per 150 (mix or match) to DEE at 6059 Essex, 92504.

	TDV	SV	PV	MASSACHUSETTS	W.VIRGINIA	MANITOBA	YR
1. David F. Thomas, Fla. *	3255	50	11	65 WEY-1560	58 WBXVU-1250	15 CFAR-1230	24
2. Raleigh Biss, Calif. *	2468	50	9	9 WARR-1250	17 WBTH-1400	10 CFAR-1370	
3. Gene Allen, Calif.	2392	49	8	8 WSAR	22 WKWK	8 CKY	
4. Frank Wheeler, Penna.	1562	50	9	28 WLOE-1500	34 WBRW-1340	9 CKX-1450	30
5. Ernie Wesolowski, Neb. *	1004	47	9	3 WEX-1510	7 WKEE-800	11 CFAR-590	58
6. Charles Hrinko, N.J.	910	45	8	27 WLLH-1400	23 WCST-1010	2 CKRC-630	64
7. C.M. Stanbury, Ont.	907	50	10	14 WGAW	11 WBRW	11 CKX	51
8. Larry Godwin, Colo.	897	50	9	2 WEX-1510	7 WPDX-750	9 CTRY-1570	57
9. Dave Whatmough, Ont.	825	49	10	16 WXHR-740	11 WSGB-1490	7 CTRY-920	65
10. Tom McCormack, Ind.	721	50	8	9 WALE-1400	12 WROI-1400	6 CTRY-920	
11. John Johnson, Wyo.	620	41	6	2 WEX-1510	- ----	8 CTRY	62
12. Richard Evans, Ind.	611	46	5	5 WALE-1400	8 WROI-1400	2 CKX-1150	66
13. Doug Lyholm, Ariz.	550	47	9	2 WHDH-850?	1 WITD-1380	2 CKDM-730	69
14. Richard E. Wood, Hawaii *	501	40	7	2 WEX-1510	1 WHIS-1440	4 CFRW-1470	67
15. Richard T. Eddie, Mo. *	485	41	5	3 WNTN-1550	5 WBTH-1400	2 CKX-1150	67
16. Bob Pietsch, Calif.	478	39	5	1 WBZ-1030	- ----	2 CKSB-1050	61
17. Andy Kriatkowski, Ill.	465	45	8	7 WEEL-590	7 WXIT-1490	3 CFRW-1470	
18. DeWayne Bruce, NSW, Aust.	435	43	7	1 WBZ-1030	3 WHIS	5 CJQM-1470	63
19. Dave Rogers, Okla.	411	43	6	2 WACE-730	1 WWVA-1170	7 CJQM-1470	
20. Kevin Slater, Oreg. *	395	38	6	1 WBZ-1030	- ----	4 CFRW-1470	
21. Marv Garber, Nebr.	375	42	8	2 WRYT-950	2 WKOY-1240	8 CHSM-1250	67
22. Jon Pearkins, B.C.	369	34	6	1 WBZ-1030	- ----	2 CFAM-1290	64
23. Robert Kramer, Ill.	368	39	6	3 WSAR-1480	3 WGNT-930	4 CFRW-1470	70
24. Larry Abraham, Mich.	358	44	8	4 WEX-1510	6 WOAY-860	3 CKX-1150	60
25. Robert L. Neal Jr., Calif.	332	42	5	3 WSAR-1480	- ----	1 CBW-990	
26. Bruce Portzer, Wash.	332	35	6	1 WBZ-1030	- ----	4 CFAM-950	64
27. Joe Markewicz, Man.	314	32	7	1 WBZ-1030	- ----	13 CBKB-860	67
28. Steve Kamp, Calif.	301	37	5	1 WBZ-1030	- ----	2 CKDM-730	70
29. Eric Tibbatts, Ont.	296	32	7	1 WBZ-1030	1 WWVA-1170	CKX-1150	69
30. Raymond Arruda, Mass. *	274	41	6	24 WPLM-1390	1 WWVA-1170	1 CBW-990	63
31. Mike Hardester, Calif.	264	40	5	1 WBZ-1030	- ----	1 CBW-990	68
32. Jerry Robertson, Mich.	252	32	6	2 WNTN-1550	3 WJLS-560	2 CKX-1150	
33. Fred Hendricks, Ill.	231	32	5	1 WBZ-1030	2 WKAZ-950	3 CKX-1150	70
34. Quentin Brown, Que. *	188	33	9	7 WTKL-1490	2 WKEE-800	1 CBW-990	68
35. Greg Condon, Mass.	183	37	3	45 WSBS-860	2 WCHS-580	- ----	70
36. Father Jack Pejza, Calif. *	182	33	5	2 WEX-1510	- ----	3 CKDM-730	68
37. Sheldon Swartz, Mass.	178	26	6	25	1	1	66
38. Steve Zimmerman, N.Y. *	177	28	6	8 WACE-730	1 WWVA-1170	1 CBW-990	69
39. Richard S. Ryrholm, Ohio	166	32	0	2 WEX-1510	3 WCEF-1050	- ----	
40. Phil Bytheway, Wash.	161	25	3	- ----	- ----	- ----	
41. Chuck Safeway, Wash.	151	31	4				69
42. Wolfman Poicy, Wash. (DGC)	150	30	5	1 WBZ-1030	- ----	1 CFRW-1470	68
43. Bruce McFadden, N.Y.	143	37	4	4 WTKL-1490	1 WWVA-1170	1 CBW-990	68
44. Bruce Tarr, Va. *	136	32	3	3 WACE-730	1 WKAZ-950	- ----	69
45. Peter Campbell, Mich. *	133	31	4	1 WBZ-1030	1 WWVA-1170	1 CBW-990	69
46. Graham Fleck, B.C.	117	28	5	- ----	- ----	1 CBW-990	
47. John Richards, Calif. *	111	28	4	1 WBZ-1030	- ----	1 CBW-990	64
48. Robert Buddenbohn Jr., Md.	106	29	4	2 WSAR-1480	3 WJLS-560	- ----	67
49. Bill Ritzel, Md.	102	30	4	2 WEX-1510	2 WHIS-1440	- ----	68
50. Richard C. Mayhew, Que.	98	28	5	7 WKOX-1190	1 WWVA-1170	- ----	69
51. Ken Horne, B.C.	97	25	5	1 WBZ-1030	- ----	1 CBW-990	64
52. Ben Hur, Ill. *	95	24	2	1 WBZ-1030	- ----	- ----	
53. Michael Daniels, Mo. *	92	39	1	1 WBZ-1030	1 WWVA-1170	- ----	69
54. Gary Hamer, Iowa	91	29	3	1 WBZ-1030	- ----	1 CBW-990	68
55. Bill Likens, Ohio	90	33	3	2 WSAR-1480	3 WHIS-1440	1 CBW-990	
56. Albert S. Lobel, Calif.	86	35	7	1	1	- ----	66
57. Melville C. Coffin, B.C.	85	28	5	1 WBZ-1030	- ----	1 CBW-990	69
58. Gordon Hanson, Wash.	64	24	5	- ----	- ----	- ----	69

August 14, 1971	DX RECORDS (Continued)						Page	18
59. Leslie G. Wood, N.Y.	58	23	2	4	WHYI-560	- - - - -	- - - - -	62
60. Mike Johnson, N.Y.	54	20	2	2	WBZ-1030	1	WJVA-1170	70
61. Mike Mickel, Io. *	52	21	3	1	WBZ-1030	- - - - -	- - - - -	68
62. Don Dumbeck, Ore.	49	13	2	-	- - - - -	- - - - -	- - - - -	68
63. Tom Palmer, Mich.	48	27	4	1	WBZ-1030	1	WJVA-1170	69
64. R. Neil McDougald, B.C. *	48	14	2	1	WBZ-1030	- - - - -	- - - - -	69
65. Larry Killick, B.C. *	46	14	4	-	- - - - -	- - - - -	- - - - -	69
66. Dave Baumgarten, Colo. *	38	18	1	-	- - - - -	- - - - -	1	CBW-990
67. Roderick Corkum, N.S. *	38	9	5	5	WRKO-680	1	WJVA-1170	67
68. Andrew Hecker, Calif.	36	23	3	-	- - - - -	- - - - -	- - - - -	69
69. Michael P. McKee, Calif. *	36	20	2	-	- - - - -	- - - - -	- - - - -	
70. Duane Barcena, Ill.	36	18	1	1	WBZ-1030	- - - - -	- - - - -	70
71. Thomas White, Va.	35	16	1	1	WBZ-1030	2	WCHS-580	68
72. Paul A. Hill, Va. *	33	24	1	1	WBZ-1030	1	WJVA-1170	65
73. Marian Ely, Fla. *	28	25	3	3	WEZE	1	WJVA	65
74. Gregg Boye, Ohio *	25	19	0	1	WBZ-1030	1	WJVA-1170	68
75. George Keiser, N.Y.	15	10	5	-	- - - - -	- - - - -	1	CBW-990
76. Steve Driscoll, Calif. *	13	12	1	-	- - - - -	- - - - -	- - - - -	69

TDV=total domestic veries, SV=states verified, PV=Provinces verified, YR=year began
 BCB DX or year DXer moved to present location. * indicates totals need to be updated
 in order to remain listed. Next three listings will include: 1) Verified Africa &
 Oceania, 2) Heard Massachusetts, W. Virginia & Manitoba, 3) Heard Africa and Oceania.
 Best of summer DX to all.....

TRAVELERS RADIO NETWORK STATIONS LIST

KID 590 Idaho Falls, ID	KVMI 1240 Coeur d'Alene, ID	KSRV 1380 Ontario, OR
KUGN 590 Eugene, OR	KGY 1240 Olympia, WA	KRPL 1400 Moscow, ID
KHO 590 Spokane, WA	KWIC 1260 Moses Lake, WA	KSPT 1400 Sandpoint, ID
KVCV 600 Redding, CA	KTCM 1260 McMinnville, OR	KITD 1400 Cottage Grove, OR
KONA 610 Pasco, WA	KWEI 1260 Weiser, ID	KTWT 1400 Tacoma, WASH
KWAL 620 Wallace, ID	KTFI 1270 Twin Falls, ID	KUJ 1420 Walla Walla, WA
KWRO 630 Coquille, OR	THSL 1290 Chico, Calif.	KBRC 1430 Mt. Vernon, WA
KBOI 670 Boise, ID	KGVO 1290 Missoula, MT	KCLX 1450 Colfax, WA
KGMI 790 Bellingham, WA	KULIA 1290 Pendleton, OR	KLBI 1450 La Grande, OR
KUEN 900 Wenatchee, WA	KKGF 1310 Great Falls, MT	KWK 1460 Yakima, WA
KURY 910 Brookings, OR	KNPT 1310 Newport, OR	KRED 1480 Eureka, CA
KIXI 910 Seattle, WA	KXRO 1320 Aberdeen, WA	KBKR 1490 Baker, OR
KSEI 930 Pocatello, ID	KCAP 1340 Helena, MT	KRMH 1490 Roseburg, OR
KAGI 930 Grants Pass, OR	KLOO 1340 Corvallis, OR	KBZY 1490 Salem, OR
KAYT 970 Rupert, ID	KAPA 1340 Raymond, WA	KLCG 1490 Kelso, WA
KOOK 970 Billings, MT	KIHR 1340 Hood River, OR	KOIN 970 Portland, OR
KRKT 990 Albany, OR	KMLC 1350 Lewiston, ID	
KBND 1110 Bend, OR	KPOR 1370 Quincy, WA	FM:
KAGO 1150 Klamath Falls, OR	KXLF 1370 Butte, MT	KVGM 92.9 Bellingham, WA
KYJC 1230 Medford, OR	KAST 1370 Astoria, OR	KIXI 95.7 Seattle, WA
KRMS 1230 Burns, OR	KBCH 1380 Lincoln City, OR	KTWT 97.3 Tacoma, WA

The above list was reprinted from the 1970 TRN list so some changes may have taken place. However, it should be at least as accurate as the VJ or MRC logs (which isn't saying much, hi!). Most TRN stations carry recorded network ID's on the hour and half hour which begin: "Serving you helping you, enjoy the great Pacific Northwest. This is the Travelers Radio Network." Network programming includes emergency messages for travelers, info on places to see, and other items of interest to tourists. As near as I can tell, all network amts originate at the stations themselves rather than from some central point and from there sent via land line to the stns for broadcast, as is the case with other networks. - bp

KVEL now on 920. In passing through Vernal, Utah, I noticed that KVEL, formerly on 1250, had changed frequencies. I learned from the CE there that they had switched around May 15 and were currently using 5 kw HD-D w/ a 500 watt PSA. S/on is 0300. The CE sounded interested in rxing rpts although none for 920 have been rxed so far.

Editor: Father Jack Pejza, 3266 Nutemg St., San Diego, Calif. 92104
 Telephones: 714-282-0076 or 714-282-2184. Deadlines: August 23, Sept. 10, 24, Oct. 8
 Use GMT in reports (EDT + 4 hours), one side of page, preferably typed in order of
 frequency.

+++++

Important!! Change of deadline-- Because my vacation is coming up, the deadline for the next DXWW will be moved forward from the previously announced August 27 to Mon. August 23.

Broadcasting in the Philippines-- Charles A Taylor

In the Provinces and smaller cities, the programming of most stations tends to be a bland MoR, or more correctly, a mixture of everything. In the larger cities, more variety is in evidence. American-type C&W is the only type that is non-existent. Everything else is available. In addition, we have Bandolla music. It sounds very similar to the mandolin, but it usually consists of a bandolla orchestra rather than a single instrument, and is very enjoyable. Radio Veritas-860 devotes a large part of its sked to this type of music.

Tuning across the dial:

530
 DZXR Manila, 100% Chinese //DZXQ-1360
 620 DZXL Quezon City, Tagalog drama and talk shows. Personality type.
 680 DZAS Manila, religious, Protestant missionary.
 710 DZFM Manila. Variety with some talk shows and educational programs. Feeds
 PBS network, English, Tagalog, occasional Chinese.
 740 DZBM Quezon City, R&B and soul // DZLM-1430
 760 DZMB Manila, teeny-bopper
 780 DZRJ Manila, progressive rock, 100% English/
 830 DWOV Quezon City, Tagalog up-beat pop.
 860 Radio Veritas, Quezon City, Catholic religious, educational.
 890 DZXX Quezon City, 100% Frank Sinatra(!?), English,
 920 Voice of the Philippines, Manila. Educational, MoR, talk.
 960 DZAQ Quezon City, all-news, telephone discussion, Tagalog only.
 1000 DZMM Quezon City, heavy on news, light music, English.
 1030 DZFE Manila, nearly 100% classical, with liberal religious. English.
 1070 DZWS Manila, Tagalog rock.
 1100 DZMT Manila, MoR music, news, 100% English.
 1130 DZHP Manila, KABL-,WAIT- (harp interlude) type. Automated. News.
 1160 DZQL Quezon City, lighter rock. Solid-gold Saturdays. English.
 1190 DZRM Manila, Tagalog, feeds from Senate, PBS.
 1210 DZLB Los Banos, Laguna. University of the Philippines Agricultural school.
 Entertainment, talk, educational.
 1220 AFPN/AFRTS, Sangley Point.
 1230 DZSA Manila, progressive rock.
 1250 DZTR Makati, Rizal. Horror and ghost stories, drama.
 1280 DZRR Pasay City, news/information. Key for KBS.
 1310 DZUW Quezon City, acid rock, 100% English.
 1340 DZOA Quezon City, MoR Tagalog.
 1500 DZCP Manila, news, feeds from Congress, PBS.

Programming in the Philippines and smaller cities tends to be amateurish reflecting limited budgets. But it's improving daily. Telephone discussion shows are very popular all over the archipelago. Good, honest network programming is available over the Radio Mindanao Network. PBS utilizes shortwave (DUH2-6170) for linking, but the quality is usually excellent. PBS expects to use Bureau of Telecommunications circuits for networking soon. Next: Facilities.

REMEMBER--DEALINE FOR NEXT DXWW IS AUGUST 23.

ALL TIMES IN DXWW ARE GMT

Geomagnetic Conditions

Date	3	10	8	2	6	9	10
July 7-13							
July 14-20	9	7	7	3	9	9	2
July 21-27	16	8	8	7	2	11	7

Listeners' Loggings--Trans-Atlantic

1402.7 ... Guinee, Conackry, noted with best signal ever and good audio during FF news 7/15 0605. Better than any time last season. (RFS,E)

1432 ... Mali, Bamako? believed to be the one with West African music noted 7/15 to 0630 fade-out. DF bears out suspected location. Much QRM from HJBH near 1431 kHz. Logged some time ago, but nice to hear again. (RFS, E)

1295 ??? UnID, likely African. Noted with downright feeble signal and no detectable audio. 7/12. Gone completely by 0630. GPN suggested Niger, but DF bearing, ESE, makes Angola worth considering. (RFS,E)

The Americas

640 CMQ Cuba, Havana 7/12 0940 with SS music, fair signal with KFI off. (BH,W)

650 CMKU Cuba, Santiago de Cuba, "Radio Liberacion" has not been heard here for a while. Suspect it has moved, likely behind a parallel. (RFS,E)

690 CMBC Cuba, Havana in around 1000. XETRA off by 0800 6/26. (GVJ,W)

840 CMHW Cuba, Santa Clara, "Dobleve, la Frecuencia del Azucar" is being "jammed" with a "willie-willie" type QRM equal in strength to the station. Noted both in Miami and Nassau with different receivers. Heard days only also. (RFS,E)

910 4VRMN Haiti, Port-au-Prince, "Radio Nouveau Monde" carries some SS, at least on Sat. evenings 0130-0155 (Sun A.). YL gives SS ID as "RMN", likely the callsign. Still the strongest "cat-vay" in Miami. (RFS,E) (Sure this isn't a CIA station promoting Nixon? Ed)

XEAO Mexico, Mexicali, B.C. Is this the one heard IDing as "La Nueva, A-0" 1100-1115 7/25? IDs between records which included some US rock. (DR,M)(Si. Ed)

1150 XEJP Mexico, D.F. dominant with KAYO turning carrier on and off 7/19. Radio Variedades jingle at 0912. (CA,W)

1210 4VDS Haiti, Port-au-Prince, "Radio Progres" noted faint but there while relaying RMN-910 (and the great P-P vs. Peñionville soccer match) one past Sat. Eve. The Cuban ticker was merciless, though. (RFS,E)

1405 ??? UnID South America. Likely Peru, Ecuador, Colombia, and Bolivia in that order of probability. Noted AN Sun 7/18 and Tues 7/20. Off MM 7/19 and Wed. 7/21. Signal quite weak with heavy fading, so hard to ID. DJ-type show with all Andean music, including some Peruvian "valsas". Suspect Iquitos, a place that looks quite enticing on the map. (RFS,E)

1480 ??? UnID SS in weakly 0915-0935 MM 7/26; couldn't catch an ID with all the static. (GVJ,W) (Several possibilities...WMDD, XE...Ed)

Pacific Area

700 2NR Australia, Grafton. Believed to be the one heard MM 7/12 1100-1125 after WLW/TIHB fade. At 1115 gave time as "15 past 9", mentioned the ABC, and went into program that sounded like "Onward Musical". Taped report sent. (DR,M)

1350 KTOH Hawaii, Lihue 7/19 0740-0750 in with rock and local spot, poor signal in mess. (BH,W)

Verifications

700 2NR Australia, Grafton. Letter received in one week from Allan Mills, Reg. Manager, stating my letter and tape had been received and forwarded to Sydney. He said he requested a QSL be sent as soon as possible. Address: P.O. Box 435, Grafton, NSW, 2460. (DR,M)

750 JOIB Japan, Sapporo sent R. Japan v/q (very specific) in 3 months for my taped report. Returned IRCs, also held my tape which they said was rare. (CA,W)

REMEMBER: DEADLINE FOR NEXT DXWW IS AUGUST 23.

760 KGU Hawaii, Honolulu, QSL received for my report of 6/12 from Takumi Shigitami, CE. Took 1½ months. Address: P.O. Box 3110, Honolulu. Hawaiian #2. (DR,M)

1090 XERB Mexico, Rosarito Beach. V/q received for my report of 5/15 mailed from P.O. Box 2735, San Ysidro, Calif. (DR,M)

Reporters

CA Chick Albertson, Bellevue, Wash. DR Dave Rogers, Buffalo, Okla.
 BH Bill Harang, San Jose, Calif. RFS Ron Schatz, North Miami Beach, Fla.
 GVJ Gary Jackson, Sacramento, Calif.

Goombay Changes in the Bahamas---Ron Schatz

1. Before the end of the year, ZNS-1-1540 will boost power to 20 kw and go directional on a 2-tower array. Major lobe 130°. Signal to Miami and the USA is not expected to change much.
2. For Freeport, Grand Bahama, a new station, running 10 kw and highly directional to 100° with a 4-tower array, to serve Grand Bahama and Abaco. Location is 60 miles east of West Palm Beach, which will be in the heart of the station's null. Possible calls are ZFP or ZGB. Frequency is yet to be determined.
3. For Exuma, a relay of ZNS1, also 10 kw on a 4-tower array, beaming ESE, to cover the southern Bahamas. Frequency is yet to be determined.
4. ZNS-2-1240 has already reduced power to some 750 watts, to avoid interference via external mixing to a local Coast Guard emergency frequency. Sked is 0700-2300 LT (0800-2300 Sundays) but carrier has NSP.
5. Note: FM's: ZNS-1-FM9107.1) and ZNS-2-FM (107.9) are only 50 watts each and used as STL's.

IRCs Revisted---Chuck Albertson

Contrary to DEE's remarks in the 6/12 DXM, 15¢ IRCs apparently will not be honored overseas at the new rate. Although the Seattle PO was a little vague about it (with 100+ countries in the IPU, how could you generalize?) they said that this would be the case for most countries. As for the old IRCs, they said to stop by your neighborhood PO, redeem the old ones, and pay the extra 7¢ per for the new ones. If you don't want to go through the hassle, then take the loss; they make great substitutes for zig-zags. (But a lot more expensive.Ed)

Okinawa--- Gary Jackson.

In the 6/12 DXWW, FJP mentioned that now was the time to try for the VOA station on 1178, as the islands would be turned over to Japanese rule. In one of the July issues of the Christian Science Monitor, an article on the agreement that was signed between the US and Japan mentioned that the continued use and operation of the VOA station was part of the agreement.

Aruba Voice of Aruba, formerly on 1325 kHz, has moved to 1340 and has now moved again to 1330 kHz. (MWN, via Dave Alpert)

Cyprus Radio Monte Carlo will boost the power of its 1232 kHz outlet to 600 kW. by the end of 1973. (SDXK via Dave Alpert)

Dominican Republic HIAS has moved from 590 to 840 kHz. HIRD has replaced 1445 with 1060 kHz. HISD has replaced 1400 with 1390 kHz. (MWN, via Dave Alpert)

Greenland Grønlands Rfoni has a new 700 kHz outlet, operating in parallel with 650. (MWN, via Dave Alpert)

Guyana Radio Demeraro, 760 kHz has a new call sign: 8RG, replacing ZFY. (SDXK via Dave Alpert)

West Pakistan Radio Pakistan-Hyderabad's 1010 kHz transmitter has been moved to 1100 kHz. (SDXK via Dave Alpert)

India The world's highest station, at Leh in Ladakh, at an altitude of 3505 meters, went on the air on the medium wave band on June 26. (SCDX) (No frequency given; how about some of those Peruvian or Bolivian stations--aren't they higher than 11496 feet? Ed)

Luxembourg Radio Luxembourg plans to use a 24 hour a day schedule on MW in 1973 when the British local radio is in operation; probably 0800-1700 in German and 1700-0800 in English. (SCDX)

Fiji The new MW transmitter in Rakiraki is now in operation on 1320 kHz from 1800-1030. Sigatoka-1210 and Labasa-680 will start operations shortly. (Arthur Cushen's DX World, via SCDX)

Australia There is a new 50 watt relay, 5LG at Leigh Creek, South Australia, on 1570 kHz. 5EP, Port Lincoln, South Australia, 1220 kHz, a proposed commercial station, has has its license withdrawn. 7QT, Queenstown, Tasmania, has moved from 720 to 840 kHz. (Arthus Cushen, via WRB)

Okinawa A new Armed Forces station has been heard in Japan after their domestic stations signed off, 1420 kHz. Seems to operate 24 hours. (WRB)

I hope that many can get to the convention in Toledo, or at next best, to the NRC convention in Sacramento. Toledo is a little out of my range at the moment, so will have to settle for Sacto, where I hope to see many familiar faces, and also many new ones. Conventions always seem to bring together a large number of people. Let's hope that these two aren't any different. How about planning on spending next year's vacation in San Diego? The Republicans are; how about you? I was happy to note in Newsweek that the rate of growth of population in California has dropped to just about zero--we've got too many people out here already. More people lead to more QRN. The rest for Don. 73 from FJP.

READY VERIFIERS LIST Ken Lyon has completed the final drafts of the Ready Verifiers List and the typewritten copy is now at publ. hdq. Because it would be an extremely time consuming job to type the material onto mimeo stencils not to mention the time and expense of mimeographing/ mailing it, plans are to have it printed offset and sent out as a booklet, exactly like the NRC DX NEWS. There will be either 40 or 44 pages. Every member will receive a copy and additional copies will be available to non-members. This will, then, form the basis for all future listings of the column, "Ready Verifiers", which will attempt to update the material in the master list and correct any present errors. Date of publication is not known but it isn't expected to be done any sooner than November. Until you read otherwise, please do not send Ken any further material. When it is released, material not more than 30 days old will be requested. The purpose of the column will be to reflect changes in stations' policies regarding type of verification and, to a lesser extent, speed of reply. Since speed differs greatly at most stns, this material would be submitted only when there is an obvious change in the pattern of reply.

WAZY 12/21/70 DX Reports From Tom McCormack was received the following list of DXers who reported the DX: Jim Boyd; Bill Nittler; David Long, New York (NRC); Quentin Brown; Jerry Starr; David Dunning, N.J. (NRC); Tom McCormack; Ken Chatterton, N.Y. (NRC); George Sherman; Bruce Haines; James E. Hill, Ont. (NRC); Kermit Geary; Sidney Steele, Ill. (NRC); Allen W. Ogrizovich; Steve Taaffe; James Jankowski; Neil Bartlett; David F. Thomas; Peter Campbell; Robert Hostettler; Adolph Rattay; Bill Lemak; John Robertson, Mich.; Dave Schneider, N.Y. (NRC).

NEXT ISSUE The next issue will be dated Sept. 4, three weeks from the date of this issue. Editors should have stencils to Riverside no later than Monday, August 30. Late stencils will not be used as the bulletin has to be completed prior to my departure to West Sacramento for the NRC Convention. -DEE