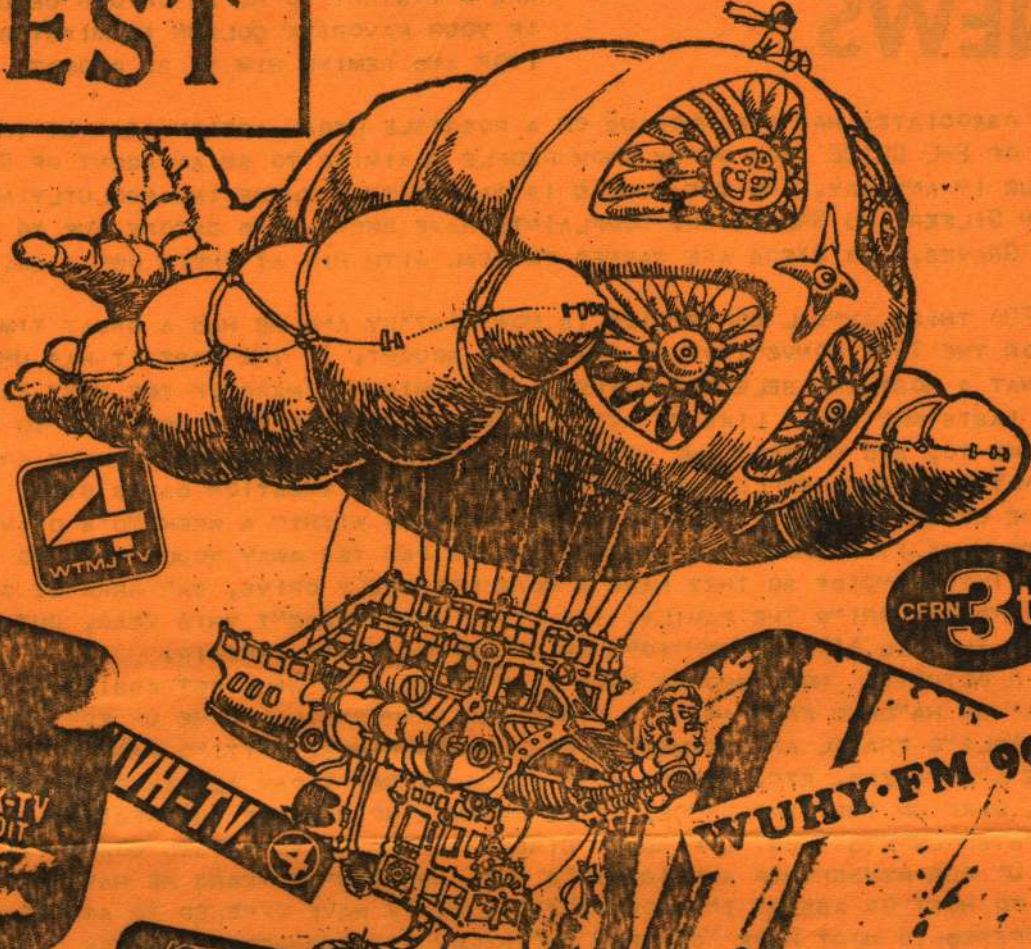


VHF-UHF DIGEST

September '71



WUHY-FM 90.9



cjbr television



Captain Skip does it again!!

HQ NEWS

SEPT.
1971

THE FCC/TV EDITOR CHUCK DOBBINS HAS INFORMED HQ THAT HE WILL NOT HAVE A COLUMN THIS MONTH DUE TO A LACK OF MATERIAL. HIS 2 SUPPLIERS DID NOT SEND HIM ANYTHING. OTHER MISSING COLUMNS THIS MONTH ARE A MYSTERY TO HQ AS OF OUR DEADLINE DATE. SO IF YOUR FAVORITE COLUMN IS MISSING, WRITE THE EDITOR AND REMIND HIM TO BE PROMPT.

GILFER ASSOCIATES HAS INFORMED US OF A POSSIBLE LEGAL ACTION AGAINST THEM BECAUSE TODD GRAVES OF SWL GUIDE TOOK MONEY FROM PEOPLE CLAIMING TO BE AN AGENT OF GILFER. THIS IS NOT TRUE IN ANY WAY, AND THE PUBLIC IS WARNED THAT THERE IS ABSOLUTLY NO AFFILIATION BETWEEN GILFER AND SWL GUIDE. COMPLAINTS HAVE BEEN HEARD BEFORE DUE TO SLOW SERVICE BY MR. GRAVES, AND DXERS ARE WARNED TO DEAL WITH HIM AT THEIR OWN RISK.

THE WTFDA THIRD ANNUAL CONVENTION IS NOW HISTORY AND WE HAD A GREAT TIME AS USUAL. A HOST FOR THE 1972 CONVENTION IS NOW BEING SOUGHT. IN THE PAST IT HAS UNFORTUNATELY BEEN TRUE THAT A HOST WAS SELECTED RATHER LATE, WHICH IS HARD ON THE HOST AS WELL AS THE DX ENTHUSIASTS WHO WOULD LIKE TO ATTEND. THE HOST HASN'T ENOUGH TIME TO DO AS MUCH AS HE'D LIKE TO, AND MEMBERS WHO WISH TO ATTEND MAY NOT BE ABLE TO MAKE ARRANGEMENTS ON SHORT NOTICE. SOME PEOPLE MUST DECIDE THEIR EXACT VACATION DATES BY 31 DECEMBER ALREADY, WHEN THE CONVENTION DATES AREN'T KNOWN. MEMBERS WITHIN A WEEKEND'S DRIVING TIME MAY BE ABLE TO MAKE IT ANYHOW, BUT PEOPLE LIVING FARTHER AWAY WOULD LIKE TO HAVE THEIR VACATION TIME COINCIDE SO THEY HAVE A MORE LEISURELY DRIVE, CAN ARRANGE CAMPING ACCOMMODATIONS, AND CAN BRING THE FAMILY. TWO WIVES WERE PRESENT THIS YEAR, BUT THIS IS A FAR CRY FROM THE OLD AIPA CONVENTIONS WHICH WERE A FAMILY AFFAIR.

A POTENTIAL HOST SHOULD NEED TO KNOW THAT HE WILL GET ASSISTANCE WITH SOME FACETS THAT CAN BE HANDLED FROM AFAR. A COMMITTEE PROPOSAL HAS COME UP FOR JUST SUCH ASSISTANCE, LIKE HANDLING TRAVEL ARRANGEMENTS FOR SHARED RIDES, WRITING MANUFACTURERS FOR FREE LITERATURE AND PRIZES, ETC. IF THE HOST FINDS HE CAN'T PAY ALL EXPENSES AFTER ITS OVER, HQ WILL MAKE UP THE DIFFERENCE. IT IS ASSUMED HE HAS SET THE REGISTRATION FEE TO COVER ANTICIPATED EXPENSES BUT UNFORSEEN CIRCUMSTANCES HAVE RAISED COSTS (OR LOWERED REVENUE).

ON OUR MEMBERSHIP APPLICATIONS THE PAST COUPLE YEARS WE HAVE ASKED FOR ANYONE WHO WISHED TO HOST OR ASSIST IN A CONVENTION. MANY HAVE OFFERED TO ASSIST, BUT THE FEW WHO HAVE OFFERED TO HOST HAVE NOT BEEN CENTRALLY LOCATED--EVEN AS "FAR OUT" AS ONE OFFER FROM THE CAROLINE ISLANDS IN THE SOUTH PACIFIC!

SO WE ARE LOOKING FOR VOLUNTEERS TO HOST AND ASSIST IN A CONVENTION PLANNING COMMITTEE. WE'D LIKE TO SET A DATE BEFORE THE END OF THE YEAR FOR THOSE PEOPLE WHO MUST DECIDE THEIR VACATION DATES BEFORE 1 JANUARY, 1972. WRITE HQ IF YOU ARE INTERESTED. FORMER HOSTS CAN BE OF PARTICULAR ASSISTANCE BECAUSE OF FIRST-HAND EXPERIENCE. AND WE ALSO WANT TO HEAR COMPLAINTS (IF ANY) AND SUGGESTIONS FOR FUTURE CONVENTION ACTIVITIES, OR ANYTHING VAGUELY CONNECTED WITH YOUR ATTENDANCE--PAST, PRESENT OR FUTURE. A COMMITTEE CHAIRMAN WOULD ALSO BE WELCOMED SO SO EVERYTHING CAN BE STEERED AWAY FROM HQ ASAP SO IT DOESN'T GET LOST HERE IN THE SHUFFLE OF REGULAR CLUB BUSINESS.

AS ANNOUNCED AT THE CONVENTION, THE PUBLISHING ACTIVITIES OF WTFDA WILL BE MOVED TO THE CHICAGO-DEERFIELD AREA THE END OF THE AREA. A LABOR SHORTAGE HAS ALWAYS BEEN A PROBLEM HERE, AS WELL AS THE SHORTAGE OF SPACE IN AN APARTMENT OF MY SIZE. I WANT SOME ROOM TO BREATHE AGAIN, OR JUST TO BE ABLE TO SEE THE FLOOR ONCE IN AWHILE THRU THE PILES OF MAIL, PARTIALLY COLLATED VUDs, BACK-ISSUES, ETC. IT HAS BEEN OUR HABIT TO SHIFT CERTAIN ACTIVITIES FROM HQ TO OTHER STAFF MEMBERS WHEN HQ OVERCROWDING BECAME SEVERE, AND IT IS SEVERE RIGHT NOW. EXACT DETAILS WILL BE WORKED OUT EVENTUALLY, BUT MORRIE'S RETURN FROM THE ARMY IS THE ONLY THING HOLDING UP THE EXACT TRANSFER DATE. MORRIE HASN'T YET BEEN CALLED FOR HIS 6 MONTHS ACTIVE DUTY, AS YOU PROBABLY KNOW. IT IS HOPED A SMOOTH TRANSITION WILL BE EFFECTED WITH LITTLE OR NO INCONVENIENCE TO MEMBERS OUTSIDE THE STAFF.

AN UNFORSEEN DELAY HAS OCCURRED IN THE PUBLICATION OF THE TV STATION LIST. WE HAD HOPED TO PUBLISH IN SEPTEMBER AT THE LATEST BUT IT MAY NOT BE POSSIBLE AS IT NOW LOOKS. BUT BE PATIENT, WE'LL GET IT OUT YET THIS YEAR. WE ALSO HAVE A KEYPUNCHER, PETER HOBBDAY, TO COMPUTERIZE THE LIST AFTER PUBLICATION SO WE CAN UPDATE FASTER FOR THE NEXT LIST IN LATE 1972 OR WHENEVER WE DECIDE TO PUBLISH THE THIRD EDITION.

THE LETTER N FALLING OUT OF TYPEWRITER HAS CAUSED PROBLEMS, SO GOODBYE FOR NOW.

FM DX

Editor: Roger W. Winsor
718-N. Fromont Rd.
Valparaiso, IN
46383

Larry Vogt 8213 Springfield Village Dr. Springfield, VA 22152

Using a 500TX and Finco FM4G at 25 ft. (except 6/10 to 7/11 when indoor dipole used due to QTH change). Time in EDT. This report will cover quite some time due to getting out of college, moving, and job hunting. The job hunting turned out real nice////I now work for the Northern Va. Ed. Television Assn. We will be building WTVT 53 studios in Annandale and xmtr in Goldvein. DXwise, I didn't catch an Es opening until 5/31 although lots of TV skip in May. Will underline new loggings: 5/31 2210 KPFT 90.1 TX; 2213 KITY 92.9 San Antonio; 2235 KNCT 91.3 Kileen, TX; 2235 KUHF 88.7 Houston. 6/7 much needed W DVR 101.1 Philly @0330. 6/11 Es 1515 KSFA 92.1 Nacogdoches, TX "Where FM means finer music" in stereo and 1535 KCRF 95.9 Winnsboro, LA "Winnsboro's big 96 where Charlie Wiggins plays more hit mx". 6/23 lotsa Es 1428 KCKN 94.1 KS City, KS; 1431 KOCY 96.1 OK Cigh; 1447 KICS 93.5 Hastings, NE; 1455 KFMQ 95.3 Lincoln, NE; 1501 KXCV 90.5 Maryville, MO (now on E, had on AU); 1504 KILJ 105.5 Mt. Pleasant, Ga (my highest freq on E); 1510 KMUW 89.1 Wichita, and 1517 KRCB 98.5 Council Bluffs, IA. 7/4 finally got WQMG 97.1 Greensboro, NC on trop @0430. 7/5 Es 1145 KICS; 1201 KRVN 93.1 Lexington, NE; 1203 and 1232 and 1244 KDCR 91.3 Sioux Center, IA; 1209 WCAL 89.3 MN (now on E, had on MS); 1250 KCHF 93.5 Sioux Falls, SD (state #35). 7/8 More Es 1100 KSOZ 88.1 Pt. Lookout, MO and 1200 to 1227 KMUW 89.1 Wichita. That was 7 new Es and a new trop w/indoor ant. It makes DXing FM far more challenging but nowhere near impossible. 7/12 Es and beam back up. 1750 WHKW 89.3 WI and WHWC 88.3 WI (both now on E, had both on MS and WHKW on trop); 1800 WRIS 92.1 Hayward, WI w/4th annual WRIS fishing contest. Still 7/12 much needed trop 2332 WCTO 94.3 Smithtown N Y and 2345 WHLI 98.3 Hempstead, NY. 7/13 trop 0005 WTFM 103.5 NY and 0030 WMGM 103.7 Atlantic City, NJ. 7/16 Es 1602 KICS again. 7/17 Es 1134 KSCV again. 7/23 Es from a different direction finally 1651 WCCA 94.1 MS; 1655 WERY soulfull KYEA 98/3 W. Monroe, LA in stereo (listed 590 watts); 1701 KCRF agai; 1703 KSMB 94.5 Lafayette, LA and 1705 KNOC 97.7 in Natchitoches, LA. 7/25 Es 1105 new WPCS 89.3 "The sound of inspiration" Ponsicola and 1115 WPEX 94.1 same. 7/30 brought mixed Es and trop for 5 newies KMUW in/out 1030 to 1240 s/on said now 10kw; 1038 KAKC 92.9 Tulsa, OK; 1115 WKJR 93.7 Pittsburgh, PA; 1117 WVSC 97.7 Somerset, PA; 1158 WALP 90.5 Corinth, MS "the first educational radio station in MS". That was the kind of surprise that keeps me DXing...I had no idea they were on yet and am hoping they are 10 watts. 1158 KSOZ 88.1; 1214 KBFC 93.5 Forrest City, AR (Ex KXJK I guess); 1227 WKBL 93.5 Covington, TN and 1225 KMYO 95.7 Little Rock, AR. Later same day @2000 had SS (spanish) audio on ch 6 and 90.5 briefly. Probably Cuba...got CMW verified on 90.5 last year. The openings have been short (none of the good old 3 hour type), but plentiful, with 7 of the 10 in July. It was kind of a bummed reading of 10 plus openings in May, only one of which I caught. Anyhow, hope to be able to report more. 73.

FM DX

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Pat Dyer Office of Telecommunications Institute for Telecommunications
Sciences Boulder Colorado 80302

Finally have gotten set up here, I am at one of the many antenna field sites, about 12 miles one of Boulder. Building has almost all the comforts of home. Still using Wards AM/FM/POLICE rcvr with its 2 ft whip. Being out of the shadow of the Rockies I can now get ~~6886~~ locals, which I definitely do not need. Now KKFM 96.5 Colorado Springs at 90 miles is nearly line of site here. Nevertheless, July 25: Es at tune in 2055 MDT low end of band. 2104 WKES 88.9 TN (1140); 2110 WSMC 90.7 TN (1160); 2112 WQXI 94.1 Smyrna, GA (1220); 2127 WRSA 96.9 Decatur, AL (1075); 2138 WMAZ 99.1 Macon, GA (1275) Max freq noted near 102 MHz at 2130, all out by 2200. With locals like they're here, it takes patience to dig out the DX. Local 94.7 was audible above and B6Eow WQXI. I forgot to mention that back in San Antonio on 6/7 near 1100 there was brief Es near 95 MHz from KY. July 30: 0940 Es at tune in. 1020, WHBC 94.1 OH (1240); 1032 WLOA 96.9 PA (1310); 1044 WFRO 99.1 OH (1140); 1046 WKBN 98.9 Youngstown, OH (1275); WYSU 88.5 OH; 1118 CKLW 93.9 Windsor, ONT (1050); 1130 WJFM 93.7 Grand Rapids, MI (1020); 1210 WMKC 96.7 Oshkosh, WI (890); 1225 WMBN 96.7 Petosky, MI (1070). Band out about 1230. Many, many unIDs. MUF to at least 101 MHz. July 31 2035 Es nr 94 MHz, 2040 peak near 102 MHz, out by 2100. That seems to be about all for this time. Might try some MS w/the Perseids, but I'll probably spend most of it w/TV where test pattern IDs give better results. 73.

Fred Nordquist 302 Sandra Lane No. Syracuse, NY 13212

Lots of FM DX activity to report this month. Totals now at 276 logged, 25 states and DC, 93 N Y, 3 countries. Unlogged channel down to 88.1 and 91.3. The following DX all new to log, except as indicated otherwise:
7/7 CKTB 97.7 Ont. weak sig. 2320. 7/10 unid WEZO 101.3 (ex WNYR) MPX 24 hr MoR mx. 7/12 Es to SSW: KCFM 93.7 Mo 1745; unid WTVY 95.5 AL 1746; KWFC 97.3 MO w/nx 1747; WGNU 106.5 IL (State #24) 1750, Es out by 1809, WPGC 95.5 MD 1840. 7/16 WHUC 93.5 NY SID 1958, WKAJ 102.3 NY 1959, WWSL 102.3 VT 2015. 7/17 WKSS 95.7 CT 0057, WGCB 96.1 PA 0130, WRNW 107.1 NY 0152, WBYO 107.5 PA 0205, WBLI 106.1 N Y 0220. 7/18 WHCN 105.9 CT rr 2349, 7/19 WDET 101.9 MI 0104, WQAL 106.1 PA 2230. 7/22 WTFM 103.5 NY MoR mx 2208. 7/24 WPAT 93.1 NJ (WDDS temp. off) 0830, WHTG 106.3 NJ weak sig. w/NJ shore wx 1213, WHLI 98.3 NY rr 1357, WFLN 96.7 PA 2000. 7/26 WLIB 107.5 N YC 0001, WNCN 104.3 NYC 0005, WRFM 105.1 NYC MoR 0050, WAWZ 99.1 NJ relig. prog. 0900, WERS 88.9 Mass 1014, WRVR 89.9 NYC lady annr 1149. 7/27 WVEN 99.3 // to AM Pa s/off annt 0001. WJMD 94.7 MD "24 hours of MPX mx" 0015, WCTX 92.1 PA 0024, WHP 97.3 PA MoR 0052, WASH 97.1 DC 0051, WXUR 100.3 PA 0102. 7/31 WGAN 102.9 Maine (finally State #25) weak sig, lady annr (YL is the term RWW) 24 hrs, mpx, MoR mx w/restaurant ads. This station is one to get for those looking for Maine, hrd between 0030 and 0103. 8/3 hit the jackpot, Es to Bermuda ZB M 89.1 MPX (960) MoR mx L&C 1100 to 1115, out by 1130 (CY #3) WNYE 91.5 NYC NN prog. 1225. 8/3 WITC 95.3 PA 1730. 8/5 another lucky catch WQMV 98.7 Miss for what sounded like tropo ducting for 2 min 1035 to 1037 w/local ads, cw mx. No Es present on TV, 1100 miles. WFAN 100.3 DC SS prog., EE ID 2228. 8/6 WRCH 100.5 CT mx 0620, WEHH 94.3 NY #93 Mutual news 0701. That's it for now. 73.

Bob Hawkins 1515 Marlowe Avenue Cincinnati, Ohio 45224

A few nice loggings this 4 weeks, but most were in August. 7/11 WIVK TN 107.7 @0200 EST. 7/13 WKES 88.9 TN @0915. 7/15 KRCH 98.1 MO @0030. 8/1 WBCO OH 92.7 @0846. 8/2 was a hit with CJOY 106.1 ON @0117, WHBC 94.1 OH @0129, WWEL 93.9 IL @0132, WDRQ Mich 93.1 @0141, WKKW 105.3 ON @0147, WXFM IL 105.9 @0235, WGRD 97.9 MI @0246, WHJE IN 91.3 @1002. 8/7, 8 & 9 were very good ground wave and tropo days with a load of new loggings...WKFN IL 103.5 @0044, WEZS VA 103.7 @0814, WRCR Rushville, IN 94.3 s/on air Thur. 8/5 w/740 watts V&H @550 AAT logged @0848 on 8/7. WPVR (call letters correct?) (yes RWW) 94.9 Roanoke, VA @2306. 8/8 WCLR 101.9 IL @0114, WQUT TN 101.5 @0901, WSMC TN 90.7 @0930, WRNA NC 95.1 @1046, WDYN TN 89.7 @1101, WCCK PA 103.7 @2224, WSJM MI 107.1 @2230, WBBW OH 93.3 @2258, WARU IN and WVMO MI 98.3 @2231, WLAC 105.9 TN @0025 on 8/9. 8/9 WKHM MI 106.1 @0100, WSAM MI 98.1 @0116 and finally WSOC NC 103.7 @0841. Locally WGUC 90.9 is now 20kw, WVEZ 92.4 is 14kw V&H. WRCR is very strange. Andy Bolin in IL gets it more than I do, and it's only 50 miles from me. Sked is 0540 to 1030 PM EST. I put in a new coax cable instead of twin lead and it cleaned up the band some, but not too much. Well totals now at 451 and taking after the Apollo 15. Eqpt. still LPL FM LOA antenna, LT 425T tuner, AJ 15 IF strap and audio. All 451 IDs are on tape. Neighborhood stats: Jim Cobble 265, Rick Hawkins 280, Mary Zachary 109. Improvements are planned soon on all receiving stations in the near future. Good DX to all!

Bruce F. Elving 522 North 12 $\frac{1}{2}$ Avenue East Duluth, MN 55805

One of the finest FM skip sessions of recent years took place Friday, July 30 from 10 AM to 2:12 PM CDT. I received 17 new stations, or an average of 4 per hour, and received the first Colorado FM heard in 20 years. I credit much of this DX to the use of pushbuttons which permitted hearing complete IDs from two stations on the hour at widely spaced points on the FM band.. a feat almost impossible on sets not equipped with pushbuttons, such as my 500TX has. Here's what I heard anew that Friday: WTLD 94.3 Lake City FL; KDEW 96.7 DeWitt, AR and KMYO 95.7 Little Rock, AR; KPLT 99.3 Paris, WTAW 92.1 College Station, KVTI 91.7 Dallas, KLIS 94.3 in Joe Gragg's hometown Palestine, and KSPL 95.5 Diboli, all TX; WXIE 100.1 Phenix City, AL; WCCA 94.1 McComb and WDRU 95.3 Drew, MS; KEBC 94.7 in Bob Cooper's land, Oklahoma City; and bringing the skip to a close was half an hour of excellent Colorado reception from: KAVI 95.9 Rocky Ford, KVMN 98.9 Pueblo, KGIW 93.5 Alamosa, KVOR 92.9 Colorado Springs and KUNC 91.5 Greeley. KAUM 96.5 Houston and KCAW 93.3 Port Arthur, TX were heard with new call letters. On Saturday July 31 WERL 94.3 Eagle River, WI was received just five minutes after this new station began broadcasting; at 150 miles it is consistently recv'd and a virtual "local".

Glenn Hauser South San Antonio, TX (PSC Box 42309, Kelly AFB TX 78241 July was quite a change from the previous months, with only one FM Es opening since last report, and no tropo beyond the usual Texas coastal stuff. Of course a 10 day absence during a trap to GA and the ANARC convention precluded any DXloggings here during one third of the month. Es reached FM on July 12 between 1921 and 1937 from the WI area, which seems to be a "regular". WHWC 88.3 had a dramatic lecture (1140), soon // w/91.5 which would be WHMD Suring (1215), WHSA 89.9 (1240) and WHA 88.7 (1070). Also non WSBS tentatives WCAL 89.3 and KSJN 91.1, both MN. Hope to have some MS next time! 73.

Waldo F. Bishop

Tallahassee, Florida

Two Es openings to enliven this rainy, thunderstorm filled part of SE US.. 3 really, but opening on 7/12 @550 to 6:00 PM just closing when I tuned in...mention of Pembroke 93.9 momentarily, so was Ottawa or Windsor, but no IDs. Better luck on 7/30 in progress @tune in @12:10PM KSTP 94.5 MN; KILR 95.9 IA; KWAT 96.1 SD all IDed by 12:30 PM. Quiet until 12:44 then KBRK 94.3 SD and @1PM KSJR 90.1 Collegeville, MN IDed. Umm KDHL Fairbault, MN and KEIO Sioux Falls, SD IDed this opening. MUF to 97.9. Fair opening on 8/2@started @8:40 PM on 92.1 w/Mets BB' from someplace w/a Northern Lights Shopping Center. Anyone know it? I'm not trying for a cheap ID, but would like to know extent of cloud. Very slow starter, more like tropo for 10 minutes or so; @9:00 PM WGSU 89.3 Geneseo NY; 9:10 WKJR 93.7 Pittsburgh w/Nightsounds. Into KY @9:15 no ID then; @9:20 WYSU 88.5 Youngstown, OH and 9:25 1st KY ever, WMKY 90.3 Morehead w/Monologue and 3D Night. This also my closest Es, about 550miles. At 9:29 WITF 89.5 Hershey, PA w/report to consumers and last ID @9:30, and a beauty WETA 90.9 Washington, DC with Radio Smithsonian. Also heard bunch of bad four letter words on 90.9 @ 9:50 PM on some panel show, but faded, don't think it was WETA. Opening closed 9:55, but no more IDs after 9:30. Stations new here since last report: WACG 90.7 Augusta GA, WLOW 95.9 Aiken, SC; WKIE 100.1 Phenix City, AL; How's this dep't: WDLF Deland, FL ex WOOO 105.9 IDs a s "Stereo 105". More on WDIZ ex WKIS Orlando 100.3. Call letters changed to capitalize on Disney World, who made strong objections to FCC after the fact, but too late then. Understand that Disney World is running ads in paper and radio disclaiming any connection w/WDIZ, but I haven't seen or heard them. With Oct. opening of Disney World assured, perhaps I see some journeying DXers. RX here is Kenwood KT 7000 with Winegard FM 8's (the 1961 models). The less said about the Winegard SC 65's the better. Anybody want to buy a couple of antennas cheap? Kentucky was state #30, 3 Prov., 337 stations.

Albert J. Kppec R. D. 1 Himrod, New York 14842 EDT

6/2 @0815 WJEH 101.5 Gallipolis, Ohio logged, 6/4 0730 WLKW 101.5 Providence, RI relogged, received both on short bursts sounding very much like MS, but how short range can this type of propagation get? 6/4 0830 WBNQ 101.5 in Bloomington, IL relogged. 6/8 1900 semi local WRRN 92.3 new // to AM. 6/11 Es WDSU 93.3 New Orleans, LA (state #30), 1530 WBIL 93.7 Biloxi, Miss IDs "Where you are the VIP on Hit Sound 94". 6/27 tropo 0700 WBVP 106.7 in Beaver Falls, PA logged. 6/28 2000 tropo WFBG 98.1 Altoona, PA new. 7/8 1830 to 2015 Es, logged ZBM 89.1 Bermuda again. This reception just one year and four days after first receiving on 4 July 1970. Copy was local quality for 90 to 95% of the 1 1/2 hour period with no evidence of Es on low band TV or any other FM channel. "1000 watts of booming stereo in Bermuda". 7/9 1309 Es WHMS 92.1 FL relogged; 7/12 more Es 1800 KCUR 89.3 Kansas City, MO and @1805 relog of WCOV 92.3 Montgomery, AL. 1814 local WEZO 101.3 in Rochester, NY noted, ex WNYR change from cw format to easy listening. IDs as "EZO Stereo 101". 7/16 0130 MS KDMI 97.3 IA. 7/21 1900 AU WOUB 91.3 Athens, OH voice of Appalachia today. 7/24 1005 MS KAYL 101.5 IA new. 7/28 0930 WCSI 101.5 Columbus, IN (state #31). 7/29 MS WYND @0700 101.5 IA finally IDed. 7/30 Es 1920 WGYL 93.5 FL and 1937 WRAS 88.5 Atlanta, GA both new. During June/July, I spent a total of approx. 64 hrs on 101.5. Resulted in 4 new stns., 3 by MS and on by presumed MS. 12 more bursts from WBIE were noted, as well as relogs from WYNR GA and WGNP FL. Since I began systematic monitoring of 101.5 in Jan. during the peak of Quadrantids, my totals for this channel have increased to 19 stations from 14 states plus Ontario. 11 of the 19 logged have been by MS. 73's.

Frank Merrill, Jr. 3632 N. Detroit Ave. Apt. 61 Toledo, Ohio

9/17/70 0230 EST all tropo WRFM 105.1 NYC (530) w/wx on "WRFM stereo",
 0245 WABC 95.5 NYC w/progressive rock, AN. 9/19 1044 KANU 91.5 Lawrence,
 KS (630) IDed per phone call, 1126 WUOT 91.9 TN 435 IDed per phone also,
 1208 WOBT 107.9 WI(370) w/local ad. 10/25 0711 WMTE 97.7 MI 200 PSA for
 Manistee Cy United Fund. 11/8 2104 Es KBAD 92.1 NM (1320) local ad, SID,
 2114 KSVF 92.9 NM(1310) ID and RR mx. 11/9 more tropo WAUR 107.9 IL (240)
 new call letters only, not new to log. 11/11 0030 KFMD 92.9 IA (350) bkgd
 mx, ID, 0044 WJVL 99.9 WI (265) new calls only, local WKIR off briefly.
 0055 WJVM 94.3 IL (310) wx then s/off, 0116 WLVE 94.9 WI (300) thru WVIC,
 IDed per phone call, 2118 WAUS 90.9 MI (215) ET, new stn. 11/13 0030 WRAC
 100.7 WI (215) ex WRJN, 0 104 WRMN 94.3 IL (240) s/off by Y L. The above
 completes my Milan, Michigan DX log at least for the time being, because
 I moved to Toledo on 12/13 while my parents simultaneously moved to Saline
 and left the array at the previous house. There, any DX that I do up there
 is with nothing more than a dipole antenna anymore. Yet, while visiting
 them 7/9, an extremely strong duct to Chicago was noted and WYCA, WXRT,
 WDAI, WDFH, WSDM, WEFM, etc were noted clobbering the Detroit stations on
 the portable radio with whip antenna; in fact WYCA was so strong that WCAR
 could be found only by nulling WYCA at a certain oblique angle. Though
 moving to Toledo last year, FMDX was not resumed until 7/19; certainly the
 7/9 opening had a big hand in firing me up for it again! DX now from Toledo:
 7/19 0025 WKAK 99.9 IL "listen mornings 6 to 9 on WKAK, 0125 WJOL 96.7 IL
 w/local ad, 0200 WXUS 92.7 IN w/very long ID, 0304 WWSW 94.5 PA FM only
 ID, my only PA, 1935 WLOI 96.7 IN w/local wx. 7/20 WFMR 96.5 WI ID, WI #1,
 7/23 2110 WERT 98.9 OH ID for AM,FM, 2123 KKFM 96.5 CO local ad, 2131 KVMN
 98.9 CO "Quality radio for Pueblo KVMN FM". 7/24 0014 WKWK 97.3 WVa #1 ID,
 8/1 2330 WSIU 91.9 IL end opera, ID, 8/2 0036 WEXI IL 92.7 "Clear the air
 with WEXI" ID, 0122 WMBD 93.3 IL Peoria temp. given. 8/3 0755 WOAP 103.9
 MI w/WOAP 6:55 report, thru WLEN. 8/4 0130 WKKD 95.9 IL ID & wx, 0740 woke
 up for work and noticed 99.9 conspicuously vacant. Had a field day between
 then and 0800 with rabbit ears: WMNI 99.7, WHFB 99.9, WBCH/WAFM/WCRD 100.1.
 Oh boy! 1728 got home and WKIR was still off, so I also got WWFM 99.9.
 1850 WJUS 107.5 IL at last they stayed thru WGPR long enough for an ID.
 Bits and pieces of them almost daily. 8/5 0141 WAZY 96.7 IN w/local wx,
 0754 WIMA 102.1 OH "Radio Lima" difficult due to WPOS 102.3. Current
 Toledo logged total is up to 173 with less than a month of DXing. My first
 day 7/19 was a n appropriate beginning because of the good tropo. Noting
 WKIR off 7/19 @0015 was enough to fire me back up, and my very first
 log entry was WKAK 99.9 which is very wierd. I've since found out that WKIR
 s/off 2am daily, used to be NSP, so CKFM and Mark Lewis can'tbbe all that
 far away, only need a good eastern night. Not having an outside antenna
 makes the going rough, but my sixth story location is quite an asset. GW
 from up here is scrumptous as one can see from all my IN, IL catches on
 many different dates. Room has a western exposure and the building tends
 to block out signals from the SE, E and NE, ie Detroit, Cleveland, Columbus
 potential "pests" areb&t that strong, although Detroit is only 60 miles, I
 can get bits and pieces of Chicago thru 97.9, 103.5, 105.9, 107.5 almost
 daily, and WFEM 94.7 daily. Also, I haven't been able to get WLEC 102.7 or
 WTTT 103.7 uet, tho these freqs have no bad stumbling blocks, yet I've
 gotten WGID 102.7 on a few evenings while WLEC is on. WJBL/WCEN rip WRWR
 94.5 (33) nightly. Only apparent exceptions to the bad E reception are WFRO
 99.1 and WCCK 103.7 a frequent nighttime visitor. I may very soon add a 6
 element yagi to my apartment and catch some late season tropo. 8/1/2 must
 have been excellent as WSIU reached full quieting volume. See you in Lansing!

Russ Brown 3274 South Lake Shore Drive St. Joseph, MI 49085

Until the 30th of July I had decided there was not going to even be enough DX to warrant a report this time, but, fortunately, there was some Exclnt Es as well as tropo. First off, I must clarify a statement made in my last report; WGIC in Mendota, IL does indeed exist on 100.1. I meant to say they didn't exist on 100.9 where VJ 7 continues to list them. 7/25 tropo 0947 KCMW 90.9 MO Ravel's Bolero till 1000 ID (455) also KANU 91.5 KS w/nx :1004 (505). 7/30 at least an extended Es opening here 1130 in progress KRID 92.5 TX w/HB '71 @1135, KNUS 98.7 TX, WFAA 97.9 @1140, KVTI 91.7 w/wx 1142, KPIK 94.3 CO w/cw mx @1145, KOKE 95.5 Austin, TX w/cw @1148, KBUY 93.9 TX in SS @1151, KFAD 94.9 Arlington, TX w/prog. rock @1155, KFML 98.5 Denver w/prog. rock @1200, KCCO 98.1 Lawton, OK w/cw @1203, KCSU 90.9 CO in from 1200 to 1400 w/rock, nx, promos, KOA 103.5 Denver @1206, KHOW 95.7 @1210, KSEL 93.7 TX w.nx @1221 also KLBK 94.5, KLZ 106.7 Denver w.rock @1215, KLMO 104.3 Longmont w/nx @1219, KLOV 102.3 Loveland CO w/local PSA's @1224, KIIK 93.3 Ft. Collins, CO w/nx @1230, KRDO 95.1 CO Spgs in/out 1245 to 1345 w/MoR breaks every 15 min. KVMN 98.9 Pueblo w/Apollo 15 coverage promo @1303, then nx, several not IDed especially on freqs. like 97.3 and 95.5 where there were 2 or 3 in at once, this peak over @1400; Es again @ 1429 noted KTVM ch. 6 audio on 87.75 then quickly sought out Montana stns. KURL 97.1 Billings 1431 to 1439 // to AM w/MoR and PSAs, KOYN 93.3 same w/cw, local spots 1441 to 1450, then that peak ended; last Es of the day w/CJUS 89.7 Saskatoon, Sask between 1718 and 1740 w/nx only. Es on 8/2 @ 1935 w/WFYN 92.5 FL very intense signal this time, S Meter didn't move once on WFYN until 1950, WBUS 93.9 FM @1952, WVEM Lakeland @1955, WMYQ 96.3 Miami @1959, WXOS 100.3 Plantation Key in well 2000 2012 w/MBS nx, then wx/MoR WQXM 97.9 Clearwater w/PSA @2014 and IDed as "greater Tampa Bay", WSHE 103.5 FT. Lauderdale @2017, WFTL 106.7 same @2020 w/MOR, Floridian on 107.9 @2030, probably WPBF, but ID only partially audible. Es faded out by 2055 w/WQXM the last signal noted; later between 2200 and 0000 WBCR 88.1 Beloit, WI in fair (128) for first WI 10 watter, prog. rock before 0000, jazz a fter. 8/6 tropo xlnt to NW w/2 really fine loggings, at 1800 a slow buildup to local quality of WHSA Brule @2058 show tunes on 89.1 IDed as KUMD Duluth "Jazz expansions Part II" @2100 in 'til past 2130 and fine strength at times, 225 watts list @420 miles; WMPL 93.5 Houghton, MI w/rock $\frac{1}{4}$ 2125 "wimple"; WDTN Duluth 103.3 w/rock o/closer WWRW, WDTN in 'til 0230 beyond; CJOB 97.5 Winnipeg w/"mx for most of the countries around the world" already in @2130 o/closer KNXR/WROK also in past 0230 (740); WSSU 91.3 in Superior, WI from 2245 to 2303 w/MOR and nx @2300 335 watts & AAA minus 120 list @415 mi.; CBW 98.3 Winnipeg breaking thru WZMF briefly @2200; rock on 91.9 after 2305 only audible w/antenna NW, but just barely there so no ID possible, but perhaps KDSU as nothing else listed; KVOX 99.9 MN pouring in @0015, had nx @0045 (620); CKY 92.1 Winnipeg outstanding local quality @0100 and finally CFRW 94.3 w/rock 0110 to 0140. Interesting opening as further south in MN stns like WLWL, KSJN, WAYL, etc were not much above normal, yet further north stns were xlnt. 8/7 tropo fair NW still 0630 to 0830, but distances less. 8/8 CKY 92.1 w/class, mx, also CJOB, but weaker than the previous AM, this between 0000 and 0100; via MS @0859:50 multiple burst from KWBI 91.1 Morrison, CO w/ID nx @0900; later that PM tropo in the 400 mi range, KNXR 97.5 Rochester, MN, WTIO 102.7 Charleston, WV among the stations that were in well. 73. (And just think, Russ lives only 50 miles from me, just about every station listed is needed by me, but my setup is so poor I only get noise, he gets stations. Hi hi. RWW)

Robert Eddy Box 123

Newport, Ohio

45768

June was a very disappointing month as far as FM Es was concerned...there wasn't any! Several new trop loggings included WSNJ 107.7 on 6/20 at 0930 EST w/ID and mutual mx for a new state. July 5 was the best DX day this season. It started with a morning trop session, and the following new were logged: WXPX 88.9 @0623 w/rock mx; WDVX 101.1 @0630 nx and wx; WRCP 104.5 0642 wx, ads & country mx; WKDN 106.9 nx, wx and gospel pgm @0656; WIOQ 102.1 0749 w/wx and instrumental mx; WFLN 95.7 0800 ID; WBCI 96.5 0801 community mx, wx; WWDB 96.5 0804:30 wx and ID; WCAU 98.1 0809 rock from 1950's; WPBS 98.9 0829 ID and local mx; WPEN 102.9 0855 inst. mx, PSA, ID; WGH 97.3 0910 Boston Symphony Orchestra station; WBAL 97.9 0926 classical mx. CX went down rapidly after 0930. Skip started about 1100 and the following were heard: KLGA 92.7 IA 1119 womans pgm, birthday greetings, etc; KCHF 93.5 SD 1141 cw mx and ads "Big Chief in Sioux Empire"; KELO 92.5 SD 1150 local ad and inst. mx; KLIR 95.9 1159 advertisement, rapid fadeout; KWOA 95.1 MN 1202 wx and ads; KNUJ 93.1 MN 1208 live stock nx and ads. The big surprise came on July 8. After many checks of 89.1, ZBM Hamilton Bermuda appeared for about 2 minutes starting at 1931 EST. Program was concert announcement, ID, and inst. mx. Fair to good signal but heavy fading. Good ID on tape, and report sent. Cy #4, no other skip at this time was observed. Other Es during July: 7/10 CKY 92.1 @1301 w/ad and inst. mx; 7/25 WCCF 92.7 @1003 nx, ID; WMCF 92.7 1005 wx, mxed w/WCCF; other FL stations heard up to 99 MHz, but opening was short...ended at 1020. Locally, WCEF AM & FM have been off the air since about 4AM on July 25. Their transmitter building was gutted by a fire, cause in unknown as far as can be determined, but it is believed to have started near some emergency generating equipment. New transmitting equipment is on the way, and they should be on shortly as of this writing (Aug 4). Totals now 403 from 31 states, Ontario, Manitoba, Cuba and Bermuda. 73.

John Ebeling 9209 Vincent Avenue So. Bloomington, MN

Here is another report of what appears to be a real rotten season for FM. I have also been watching ch. 2 for skip, but that has also been rather rare this summer. FMwise since July 8 I have noted FM skip on 7/10 @1800 to Ariz. for 5' or so, also on 7/30 @1130 while home for lunch good skip to IA and MS over entire band. Don't know how long, as I had to go at 12:30 back to work. That's it...all the skip I have noted as I try the band each day @0645, 1130 and 1700, as well as from time to time after 1700. 7/8 trop: 2230 WBEV 95.3 WI AFI of 245, 2245 WKEI 92.1 Kewanee, IL 555/ 7/9 0530 KFGO 99.3 Boone, IA 243, 2301 WNIU 89.7 DeKalb, IL 445. 7/23 2300 KJAN 103.7 Atlantic, IA 445. 7/30 Es 1115 WCKW 92.3 IA 434 relog; 1115 WDSU 93.3 IA 434 relog; 1120 WQXY 100.7 IA 434 relog and 1130 WKYV 106.7 MS 555 new. 8/7 0630 KMTY 99.1 NM via MS 25. and 2335 WHLB 107.1 MN via trop 225. 73.

Roger W. Winsor 718 N. Fremont Road Valparaiso, Indiana 46383

The only new station I have logged is WSHY 104.9 Shelbyville, IL on 8/10 @0905 just ending local nx into wx, much WEAU QRM. My AFC is acting up, even though it's not on AFC, dominant stations want to drift over as if it is on. I don't DX much anymore, just dig WGLD all day long now that I'm laid off. My rx is so insensitive that only the strongest signals make it.

The following are a couple of FM-DX reports, with some notable DX, that didn't get in the FM-DX column several months ago, having apparently gotten lost somewhere between here and there. Also included is some more recent FM DX sent here with TV reports. I hope it is okay with Roger for these reports presented this way, this time.

One is a report of interest from Jim Pizzi, 300 Park, Orcutt, California 93454, concerning some FM double-hop Es reception during the big 8-Nov 1971 opening. (PST)

I was in my hi-fi store in Santa Maria at the time the TV broke open. There was very strong CCI on local KSBY-6. Finally tried some DXing on FM and had some nice loggings. Starting at 1828:

N8 Es WSIU 91.9 Carbondale IL	Mi: 1720	(8)(Es) KSNM 95.5 Santa Fe NM	800
KJRG-92.3 Newton KS	1275	KDDD-95.3 Dumas TX (684 watts)	1025
Unid 89.1 classical mx		KQTY 101.3 Wichita KS	1275
WEKU-88.9 Richmond KY	2000	KRST 92.3 Albuquerque NM	800
KBMF-98.3 Spearman TX	1080	Unid 90.1 or 90.3 soul mx	
KEYN-103.7 Wichita KS	1275	KLYD-94.1 Bakersfield CA	100
KCRC-96.9 Enid OK	1250	(Ground-wave distance, but hrd only during Es opening; Es backscatter?)	

(Double-hop Es on FM is not impossible, but there have been no such reports in most DXers' memories; this, then, would be the first. Only one other 88-108 FM report from the past was apparently double hop; in the VHF column, CQ, May 1949, a ham in Bellview, Washington noted on 21 March hearing a 90-MHz east-coast FM xmtr between 1130 and 1200 PST. See July-1971 FM-DX column for yet another one in May by Bob Cooper.)

May 21 Es 1032 KTEP 88.5 El Paso TX (10 watts) (in 'til 1120) 830 mi. May 1971-(PDT)

1100 KBAD-92.1 Carlsbad NM (s kW)	940 mi.		
As of May 31, KJUZ 103.3 Santa Barbara is KRUZ.			June
24 Es 1700 KUNM 90.1 Albuquerque -555N800	(24)(Es) 1732 KWGO-99.5 Abernathy TX	-424N1050	
1713 KLLL-96.3 Lubbock TX -555N1050	Tr 1757 KPBS-89.5 San Diego CA	-335N240	
1719 KMTY-99.1 Clovis NM -555N965	Es 1827 KEBC 94.7 Oklahoma City	-555N280	
1725 KTQM-99.9 Clovis -545N965	1830 KBYE-98.9 Oklahoma City	-434N280	

Dennis Smith reports from both Santa Barbara and Wasco, California. (PST)

New loggings were added to the Santa Barbara total on 24-25 Dec with KGFM 101.5 and KZIN 107.9 both Bakersfield CA (apx 90 mi), both from new xmtg sites on Mt. Adelaide, 15 mi E of Bak w/ 4900 W. This was over mtn range right over Santa Barbara and heard only in one corner of a house in Goleta--weak but apparently consistent on my Panasonic portable. After hearing about the new 'XETRA-FM' 91.3 (apparently at Tijuana) from Bill Lipis in Nov 1970, I listened for it in Santa Barbara (apx 200 mi). Tropo condx along so.-Calif. coast hadn't been good much of the winter, so it wasn't until 1 Feb when I finally heard it on my portable. Strength is about same as 'Radio Moderna' 99.3 Tijuana which is supposedly 5 kW. After fully 3 years, perhaps the end of my XETRA-91.3 mystery is in sight. It may be the one heard in Wasco (apx 250 mi) in March 1968 but not since then. Santa Barbara total stands at 73.

I had no chance to listen to FM in Wasco since Sept 1970, but did after end of June 1971, now that my master's degree work in college is finally finished. 2 Jul eve, new on air KOTE 106.3 Lancaster (apx 90 mi), probably 3 kW; quite clear--a good example of diffraction over mtn range (about 5000 to 6000 ft)--it probably wouldn't be as strong on a clear path. 3 Jul morning, KEZR 95.9 Anaheim (140), fair over usually-dominant KARL-95.9 Carlsbad CA (190) (Class-A freq). And, 'Radio Moderna' 99.3 Tijuana (Broadcasting Stations of World gives call as XHRM-FM) was heard poor but steady in morning hours (250). Tijuana's other FM, 'Stereo Rey' (XHOK-FM) 100.1 (100 kW), was strangely weak, but came back up in afternoon-eve, after 'R. Moderna' had disappeared. Interesting. No sign of XETRA-91.3, however. A good skip session on May:

10 Es 1930 KXCB 90.5 Maryville MO -445N1400	(10)(Es) 2005 KEYN-103.7 Wichita KS	-545N1260
1950 KMBR 99.7 Kansas City MO -445N1420	2012 KJRG-92.3 Newton KS	-444N1260
1957 KVOE-104.9 Emporia KS -325N1300	2015 KSYN 92.5 Joplin MO	-345N1420

Es was in FM 1925-2017 PST, highest unid was 107.5. Wasco total is now 186. Total is finally above my Norfolk VA DX--it only took a couple of decades to surpass two years of Norfolk DXing in mid-1960's of 177 stations--on a portable, yet! Wasco gear is a 1957 Fisher FM-90X mono FM tuner and TACO 10-eL FM yagi 40 ft above ground.

Ronald J. LeBlanc, 2524 Arizona Drive, Marrero, Louisiana (CST/CDT)

7-8	Es	2215	WBMM-2	Chicago, IL	3135R038	7-18	Tr	2100	(same as 7-17)		
7-9		2215	WBAY-2	Green Bay	4024R1006	7-19		2130	(even more of the same!)		
7-11		2000	KTCA-2	St. Paul, MN	2034R1052	7-20	Es	2000	WGR-2	Buffalo, NY	3334R1098
		2225	WGR-2	Buffalo, NY	4434R1098			2030	KORN-5	Mitchell, SD	4335R1055
		2315	KDIX-2	Dickenson ND	4434R1368	7-24	?	1420	XEFB-3	Monterrey, NL	3034R700
7-12	Tr	2100	KHOU-11	Houston, TX	4335R321	7-25	Es	1030	WCBS-2	New York, NY	2222R1174
		2130	KHTV-39	Houston, TX	3445R321			2320	KDLO-3	Watertown, SD	4322R1112
		2400	KTRK-13	Houston, TX	4443R321		Tr	2405	KLRN-9	San Antonio	3342R510
		2405	KENS-5	San Antonio	4555R510	7-27	Es	2100	WBAY-2	Green Bay, WI	4334R1006
		2407	KHFI-42	Austin, TX	3445R460	7-30	Es	1930	WGR-2	Buffalo, NY	4344R1098
		2410	KSAT-12	San Antonio	5543R510			2230	KWGN-2	Denver, CO	3035R1000
		2415	KPRC-2	Houston, TX	5555R321	7-31		2230	WGR-2	Buffalo, NY	3034R1098
		2320	KBMT-12	Beaumont TX	4555R244		Ms	0100	UNID-2,3,4,5,6		
7-13	Es	1830	WISC-3	Madison, WI	3033R920	8-1	Es	1500	KWGN-2	Denver, CO	3234R1000
		1900	UNID-2	K-2?		8-2	Es	1730	KNOP-2	N. Platte, NE	4334R983
7-14		1800	UNID-2	Spanish(not Mex-SE)		8-9	19	1900	KUSD-2	Vermillion SD	3133R969
		2035	WBAY-2	Green Bay	4235R1006	8-10		1900	UNID-2,3		
7-17	Tr	2100	Houston, Austin, Beaumont			8-11		2000	UNID-2,3,5		
			Jackson, San Antonio, etc.						(7-foot dish @ 70ft; LPV-18 @ 65ft--Zenith)		

Thomas J. Yingling, Jr., 221 Pinewood Road, Baltimore, Maryland (EDT) 21222

7-12	Es	1740	KDLO-3	Watertown SD	4324N	7-13	Tr	1405	W64 -64	New York, NY	2155N
		1745	KDAL-3	Duluth, MN	3233N				WPIX-11	New York, NY	4444R
		1800	KSTP-5	St. Paul, MN	5443N				WTNH-8	New Haven, CN	3233N
		1815	KPLO-6	Reliance SD	3343N	7-17	11	1130	WTVJ-4	Miami, FL	3233N
			KTIV-4	Sioux City	3233N		Es	1145	CMQ-6	Havana, Cuba	2034R
		2000	WHBF-4	Rock Island	4344N	7-18		1700	WOC-6	Davenport, IA	3233N
		2015	CBOT-4	Ottawa, Ont.	4333R			1715	WOW-6	Omaha, NE	4433N
		2020	CBWT-6	Winnipeg	3323N			1745	WDAF-4	Kansas City, MO	5444N
		2045	KXJB-4	Valley City	4332N			1800	KHTL-4	Superior, NE	3324N
7-13	Tr	1241	WOR-9	New York	4444R	7-30	Es	1930	WREC-3	Memphis, TN	4443R
		1345	WABC-7	New York	3433R			1905	KIII-3	Corpus christi	3232R
		1350	WBRE-28	Wilkes-Barre	R			2000	XEFB-3	Monterrey, NL	3332N
		1400	WNEP-16	Scranton, PA	2155N			2030	WSM-4	Nashville, TN	3333N
		1405	WNEW-5	New York	4444R						

(Allied 60-element log-periodic on rotor)

Larry T. Vogt, 8213 Springfield Village Drive, Springfield, Virginia 22152 (EST)

3-1	GW	1230	W75AL-75	Luray, VA	N60	5-26		1600	WDAY-6	Fargo, ND	N
3-12		1530	WBFF-45	Baltimore, MD	N			1821	KTBS-3	Shreveport, LA	R
3-20		1645	WGSP-50	Washington, DC	N	5-27	Es	1437	WDIQ-2	Dozier, AL	R
3-29	Tr	1930	WCPB-28	Salisbury, MD	N			1830	CKCW-2	Moncton, NB	R
4-12		2215	WNJT-52	Trenton, NJ	N	6-11		1429	KARD-3	Wichita, KS	R
5-14	Es	1713	KTEW-2	Tulsa, OK	R			1430	KTEW-2	Tulsa, OK	R
5-18		1429	KTEW-2	Tulsa, OK	R			1630	KETS-2	Little Rock, AK	R
		1900	WBRZ-2	Baton Rouge, LA	R	6-22		1345	KQTV-2	St. Joseph, MO	R
		1901	KATC-3	Lafayette, LA	R	6-23		1600	KDLO-3	Florence, SD	R
5-21		1725	KCKT-2	Great Bend, KS	R	7-5		1129	KMTV-3	Omaha, NE	R
		1757	KHPL-6	Hays Center, NE	R			1130	WMT-2	Cedar Rapids, IA	N
		1758	KLNE-3	Lexington, NE	R	7-8		1030	KTEW-2	Tulsa, OK	R
5-26		1229	WBRZ-2	Baton Rouge, LA	R	7-11		2200	KQTV-2	St. Joseph, MO	R
		1230	WEAR-3	Pensacola, FL	R	7-12		1830	KDAL-3	Duluth, MN	N
		1300	WLBT-3	Jackson, MS	R	7-14		1000	KATC-3	Lafayette, LA	R
		1529	KDLO-3	Florence, SD	R			1030	WMAB-2	State College, MS	N

QSL CORNER - TV

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6:00P.M.-10:00 PM EDT

A verification is regarded as an important piece of paper, whether it be card or letter, in the field of medium and short wave DXing. In TV DX, such proof is often not required, for thanks to the magic of the camera, we have a picture of our reception. Yet...many TV stations are willing to provide either a card or letter in reply to a reception report from a distant viewer. Certainly this is not something to be abused and a viewer seeking confirmation of his DX should remember that the reply is usually a public relations gesture -- that he is actually outside the viewing area, so in terms of product sales, he is not of any assistance. In future columns, we will discuss a bit more about the business of verifying reception reports.

Perhaps on this first column, I should take just a couple of lines to present just a brief picture of myself. My main interest has been SWBC DX since 1963, and within this context, I am an official monitor for several international broadcasters, as well as doing monitoring by request for others. During the period 1968-1971, I was the North American Representative for the World DX Club, a British DXing group, and I am currently editor of the Short Wave Center, the feature portion of FRENEX, the monthly publication of the North American Short Wave Association. Martial status is married, wife Luanna. I majored in Political Science and Russian in college and worked as Chief Engineer and then Program Director of WMCO (then 91.1 Mcs, now 90.7 Mcs.). Enough of that however, let's begin the reports.

Initially, let us try the format below...which I believe will suit the Club's wishes. If you like it, please do drop a line ... if you don't, do likewise. Needless to say, YOUR contributions, whether one verification or one hundred, are most welcome - indeed, they are the only way that the TV QSL CORNER can continue.

ARKANSAS: KETS, Conway, channel 2, verifies with letter signed by Vernon L. Dillaplain, Chief Engineer, in 6 days. Verie stated when the station first began transmission, studio and transmitter location, licensee, ERP, and tower height - which it is claimed is the highest of any ETV station in the world, 1780 feet above average terrain, 2000 feet high.
(Paul Luchter)

FLORIDA: WJXT, Jacksonville, channel 4, verifies with verification (QSL) card in 7 days. No additional data supplied by station. (Harry Hein)

WPBT, Miami, channel 2, verifies with a letter. Verie signer was Arthur C. Hafer, Chief Engineer, who replied in 7 days. (Leslie Prus)

WEAR, Pens cola, channel 3, verified with card and letter in 15 days. In addition, supplied a signal contour map, audio and video power, location (Alabama), antenna height, program schedule, as well as program log. (Hein) Very friendly station - replied to my report during 68 Conventions...transmitter is in Robertsdale, Alabama, but studios in Pens cola. Ed.

GEORGIA: WSB, Atlanta, channel 2, verified with large card giving history of station, tower height, programming, studio location. Verie signer was Henry White, Chief Engineer, who responded in 6 days. (Luchter)

Illinois: WCIA, Champaign, channel 3, verified in 10 days with a QSL letter. No additional information was given. (Hein)

WICD, Champaign, channel 15, verified by letter in 15 days and stated antenna height. (Hein)

WAND, Decatur, channel 17, replied in 12 days with a mimeo letter giving audio - video power rating as well as antenna height. (Hein)

INDIANA: WLFI, channel 18, in Lafayette, verified in 9 days with no additional information. This was done in a letter. (Hein)

WCAE, Saint John, channel 50, verified with letter verification in 24 days. In addition, the location and antenna height were given. (Hein) Just a note that WTAE in Pittsburgh, Pennsylvania, had a radio affiliate WCAE (1250) many many years ago.... it changed to WRYT and then to WTAE Radio. Looks like WCAE moved a bit west! Ed.

KANSAS: KARD, Wichita, channel 3, verified by letter in 5 days. The station added information regarding antenna height as well as audio and video power. (Hein)

MAINE: WGAN, Portland, channel 13, sent a blue and white card in six days. (Luchter)

MASSACHUSETTS: WBZ, Boston, Channel 4, replied with a card picturing the transmitter in 20 days. No verie signer. Also gave power, antenna height, coordinates, transmission times, and studio and transmitter locations. (Luchter)

WHDH, Boston, channel 5, replied with "beautiful" three color card. Failed to reply to previous report two years ago. (Luchter) Sorry, time of reply: 21 days.

MICHIGAN: WJIM, Lansing, channel 6, replied with a QSL card in 10 days. Antenna power specified (ERP). (Hein)

Missouri: KHQA, Hannibal, channel 7, replied with a letter verie signed by Lee B. Ellis, Technical Director. Included info. about the transmitter, studio locations, antenna information, power, and so forth. Time lapse: 7 days. Report sent to: KHQA-TV, Quincy, Illinois 62301 (Prus)

NEW YORK: W53AA, New York City, channel 53.....WCBS - 2 Translator. "by phone - they looked up my number, no more info since someone took the message and pretty badly" (Luchter) Better luck next time, Paul! A nice catch that one.

OHIO: WEWS, Cleveland, channel 5, replied via letter in 8 days without specific data. (Hein) Same (Matthews)

WDHO, Toledo, channel 24, replied via letter in 7 days giving transmitter power (Hain)

SOUTH DAKOTA: KDLO, Florence, channel 3, sent a card signed by Roy Thorson, Chief Engineer, in 8 days. Station is a satellite of KELO-TV Rapid City. (Matthews)

TEXAS: KGNC, Am rillo, channel 4, verified by QSL card in 9 days. The station also supplied information concerning the antenna height, type, and transmitter type. (Hein).

WYOMING: KFBC, Cheyenne, channel 5, verified with QSL card picturing a western type girl (cowgirl) sitting on top of a camera. Time for reply 2 weeks. (Matthews)

* * *

That's it for this time. Thanks to the following contributors this month:

Harry Hein Chicago, Illinois

Paul S. Luchter Oceanside, New York

Leslie J. Prus Manhattan, Kansas

Ye Editor

Let me request that when reporting, please write only on one side of the paper and be sure to include as much information as possible. In almost every case, reply postage was supplied to the station. This is really a "must" ... remember that the station is not required to reply to your report - it is a courtesy and must be treated as such!

Harry Hein sends the following: "If there are any DXers who would like to talk to me or write to me, my address and phone number are as follows...Harry Hein, 3840 West 78, Chicago, Illinois 60652....phone 582-9475 "

See YOU next month with more TV verifications!

WESTERN TV DX

September 1971

Dennis Park Smith
450 Poplar Avenue
Wasco, California
93280 U.S.A.
Deadlines: 12th of each month

After the Es seemed to give up at the end of June, it bounced back in early July with particularly good openings around 10 to 12, settling down again and coming back for another good round toward the end of the month, especially 30 and 31. July Es dates reported: 3 through 18 (every day), and 21 through 31 (every day). August: 1, 2, 3, 10, 11.

Glen R. Neal, 1005 N. 5th, Sayre, Oklahoma 73662 (July) (CDT)

With school out, I had planned to have lots of time to DX this summer, but both full-time employees of KFD0-8 took off on vacation, so I had plenty to do besides DX. I did catch some openings, though.

Jul 1 Tr KBIM-10 Roswell NM (3442R280), KFDW-12 Clovis NM (4543R-215). MS around 1100 good w/ bursts on chs 2-6.

Jul 3 Es tune-in 1213-1240 lt weak unid chs 2 & 3 plus WBBM-2 Chicago IL ided (5533R7907). Es gone at 1415, re-t/in.

Jul 4 Es t/in 2047-2258 KTVU 2 KRON-4 KPIX 5 SanFranCA (5532R1255), KCRA-3 KVIE 6 Sac to CA (4,3 433R1215) KNXT 2 L.A. CA (5431R1030) KORK-3 L.VegasNV (3131R880) KEY-T 3 S.B. CA (3534R1130) KNBC 4 L.A. CA (3323R1040).

Jul 5 Es t/in 0937-1401 lt WGR-2 BuffNY (2323R1225) KDLO-3 FlorSD (4032R680) WSYR-3 WHEN-5 SyraNY (4332, 3334). Had V id of KDLO w/ A id of WSYR at same time. CBWFT 3 alternating btw CBC TP & 3/4 CBs, as usual, but now w/computer-type time numerals at pix bottom. CKVR-3 Barr. Ont (3532R1220) CBOT 4 Ottawa Ont (3432N1420) CKCK-2 Regina Sask (5543R-1080) unid CFAC-2 (4533N) (not listed in TVF) (this is former CHCT-2 Calgary as you may now know. dps) plus unids through chs 5 & 6 at times.

Jul 6 Tr 1000 KCBF-11 KLBK-13 KSEL-28 Lubbock TX (4544R165). Es t/in 0045-0104 KNXT 2 KNBC 4 CA (4535T1030) KEY-T 3 CA (4534R1130). K79## Reydon OK noted repeating KNBC 4! Es t/in 1120-1159 lt weak unid ch 2 to north-west.

Jul 7 Tr 1000 KFDW-12 Clovis NM (4444R215). Es 1401-1403 very weak to north-east, unid.

Jul 8 Es t/in 1154-1157 WBAY-2 Green Bay WI (3322R880).

Jul 9 Es 1118-1333 lt CKCK-2 CBWFT 3 KNXT 2 KNBC 4, KBOI 2 Boise ID (5542R1035) KOOK-2 Billings MT (5532R860), plus several unids through ch 6. Es from north and west at same time.

Jul 10 Es t/in 1214-1253 KTVU 2 KRON-4 KCRA-3 CA.

Jul 11 Es t/in WESH-2 OrlandoFL (5543R1160) WEDU 3 TampaFL (4543R1125) WPTV 5 PalmBeach FL (5545R1295). I was getting diagonal bars on ch 4 @ 2110: no regular TV station within FCC limits would produce such CCI, and I would suspect translator except @ 2115 it became snow-free and then intense. I got picture of it but I have no idea what it was. Many other unids during Es period.

Jul 12 Es t/in 1707-2329 KNXT 2 KNBC 4 KTLA 5 KTVU 2 KRON-4 KPIX 5 KEY-T 3 KCRA-3 KSBY-6 (all 554 1-5R1030-1255), CJIC-2 SaultSteMarie Ont (3234N1110) WPSX-3 Clearfield PA (4543R1210) WCIA 3 ChampaignIL (5532R-700) WPTV 4 BloomingtonIN (5533N790)-with tiny cl ltrs under small "4." Es through ch 6 many times; many unids.

Jul 17 Es 1055-1410 lt WGR-2 CKCK-2 KBOI-2, WCCO-4 Minneapolis MN (4533R750). Through ch 5 at times.

Jul 18 Es t/in 1315-1415 KTVU 2 KRON-4 KPIX 5, KTVN 2 RenoNV (5542R1130). Es t/in 2016-2102 unids to west. Tr 2200-0000 increased strength of UHF xltrs to 80 mi resulting from thunderstorms in area.

Jul 22 Tr 2100-0000 unid xltr beat pattern against K79## & K81##. K79 repeats a CBS station; K81 too weak to tell. Dish indicates NNW heading. Anyone w/new Factbook have ideas? Es 2129-2133 unids chs 2-3. Lightning scatter from thunderstorms produced following 2330-0000: unid 10F against KFDX-3, KDFW 4(235mi), WBAP-5(235), unid-6 CCI, WFAA-8(235)

KWTV-10(300), KTVT 11(240), 10F on KXFI 12, KDTV 39(235), the latter rising to "4" on video on some bursts. Thunderstorms also produced short-range ducts to the following xlters 2230-2345: K70CF K72CB K74BF Higgins TX (2135R80), K70BD K72CD K74CJ Clarendon TX (3324R60), K71BG K73AU K75AV Wellington TX (2 2, 2, 4 35R60), K77AQ K80AU K82AZ (1, 3, 3 133R50), & regulars K76AU K78CM K80AT K79## K81## (4544R40). All typical w/only fair Tr condx.

Jul 24 Es 1248-1408 KORK-3 KEY-T 3, XEW-2 MexDF (5544R). XEW-2 (or whatever "WTV," cadena WTV proyeccion nacional, is) had strange CB pattern--colored checks in middle w/colored horz. bars on top & bottom. XEW-2 s/on 1320 w/pgm called "Super-remate de autos." Also unid 1/2 CBs on ch 4, 3/4 CBs ch 5 to south.

Jul 25 Tr 2200plus, many xlters TX panhandle good. Es t/in 2157-2321 WBAY-2 WI (5532R880), WBBM-2, WUNC-4 Chapel Hill NC (4523R1155), WTMJ-4 MilwWI (4534N825) WMAQ-5 ChiIL (5533N790, #300). WJBK-2 WWJ-4 WKYC-3 WITI 6 MilwWI (5533N825) plus many unid stations. A very strong Es session.

Jul 26 Tr 0530-0900 (first time up before 0900 in weeks!) KCEN-6 Temple TX (3345R310) KSLA 12 ShrvprtLA (3444R395) WIBW-13 TopKS (3143R-340) KTVT 11 w/CGI of KHOU-11 HousTX (104OR460). I have almost daily reception of KHOU's CGI against KTVT. 2200plus Tr almost as good. Many xlters as usual. Es t/in 1029-1253 KBOI-2, KID-3 ID Falls ID (5544R-890), KXLF-4 KTVM 6 Butte MT (4534R995), @ 1245 KREM-2 Spokane WA (3233R-1240). A very nice session.

Jul 27 Tr 0540-1000 most to 150mi snow-free. KTUL 8 Tulsa OK (404OR235) plus many others. MS 0617 & 0620 WLBT 3 Jackson MS (4414R575).

Jul 28 Tr 1400-1830 KFDO-8 off air due to power-line damage; left me with no TV station within 100 miles--paradise! In that time, logged: KSWs-8 Roswell NM (4535R265) WFAA-8 DalTX (3445R235) KTUL 8 OK (4444R235) KMOM 9 Monahan TX (3343R285). When power was restored, no signal due to apparent xmtr trouble. I made quick trip out there, to find trouble was in monitor circuit, not xmtr. We lost over an hour of air time for no reason. Main engineer finally had to come out and decide nothing was wrong. We all three felt stupid but I'm only part-time so that's my excuse! Es t/in 1317-1515 lt KTVU 2 KNXT 2 KEY-T 3 KCRA-3 KRON-4 KNBC 4 KTLA 5, KOAI 2 Flagstaff AZ (5541R660) KOTI 2 Klamath Falls OR (4533R1265), KORK-3, KOBI 5 Medford OR (4434N1345), plus a few unids. Tr 2200on, more xlters.

Jul 29 Es 1137-1331 KDAL-3 Duluth MN (5533R885) CBWFT 3 Winnipeg Man (4522R1020). Es reached ch 4.

Jul 30 Tr 0725-0900, the first outstanding tropo opening this month. Almost everything to 250mi snow-free. K06DF Pampa TX (204OR80) KTUL 8 OK (504OR235), xltr on chs 7, 10 & 12. I couldn't tell whether it was Fargo or the new ones at Guymon (over 150mi). Also, unid ch-7 xltr somewhere to east, different beat than Fargo. KOED 11 Tulsa OK (5544R220) KSEL-28 Lubbock TX (5545R165) KGTO-36 Fayetteville AR (5545R320), plus unid 15 or 16, prob. KUHI-16, plus all UHF xlters listed July 22 and K78AZ K80BD K83AQ Matador TX (3343R100), unid chs 71 73 WSW, and K80AU K82AZ snow-free! Clarendon 70 72 74 (4543R60). I wish I'd gotten up earlier--so many stations; wild! Es t/in 0952-1403 CKPR-2 Thunder Bay (5532R1050) KTCA-2 St Paul MN (5532R750) WJBK-2 WKZO-3 KDKA-2 WJMN-3 CBWFT 3, KYW-3 PA (5533N1360) WTAE-4 WTOM 4 WWJ-4 WEWS 5 WNEM-5, CKSO-5 Sudbury Ont (5534R-1240) CBLT 6, WJAC-6 Johnstown PA (5534N1125) WFIL-6 Phil PA (5533N1360) WJIM-6 Lansing MI (5533N950) plus unids. This must have been the last of month super-opening.

Jul 31 Es t/in 1216-1309 CBs till 1230 w/music. "W2" id 1230-1231 (XEW-2?), then same color pattern as July 24 till 1240, s/on. KEY-T 3 in at same time. 1231, unid CBs ch 3, south.

A cold spell hit here July 26, and since then temps have been in 70's for highs! By now we normally have 105° at least, every day. Thus the tropo of July 30. With another cool front scheduled for tom., Aug. may be a ball. Some more changes in my ant. system: the RCA VHF/UHF will be replaced by a Lafayette LVL VHF, as soon as I get it. 73.

Glenn Hauser, South San Antonio TX (PSC Box 42309, Kelly AFB TX 78241) (7 Jul - 8 Aug) (CST) July was a rather poor month, although I surely missed some openings during a 10-day trip to Georgia and Indianapolis. Was good to see some old and new WTFDA faces at the ANARC convention; a big welcome to Richard E. Wood. Wish I could have met even more of you at East Lansing! Not a bit of tropo beyond 200 miles past month, and Es catches were all repeats.

J7 Es 1652 WSB - 2 Atlanta GA 885 30 Es 1637 WBBM- 2 Chicago IL 1055 (market news) (local nx; 1758 Id et al)
10 Es 0646 WDCN 2 Nashville(tp) 825 1703 KTCA-? 2 (or KUSD?) (T)
11 Es 1959 WDCN 2 (promo WPLN-90.3) 1925 KTCA- 2 St Paul MN 1120
1959 WSJK 2 Sneedville TN 1010 1929 KQTV? 2 St Joseph MO (T)
2129 WLW-D 2 Dayton 2433 1075 1937 KDLO- 3 Watertown SD 1075
12 Es 1359 KTWO- 2 Casper (K2 id) 1010 (ads Potter's Shoes and
1529 KCKT? 2 Great Bend KS (T) Einstein's ready to wear)
1745 KOAI? 2 Flagstaff AZ (T) 1959 KUSD 2 VrmIn SD 4044 960
1859 KDAL- 3 Duluth MN 1250 (Id big letters KUSD/SOUTH
1859 WISC- 3 Madison WI 1070 DAKOTA; GEN slide; VAFI time
1859 KTCA- 2 St Paul MN 1120 2003; 2029 Thunderbird logo)
13 Es 1659 KTCA- 2 (NET logo; 1729 Id) 2011 WBAY- 2 Green Bay WI 1190
1659 KDAL- 3 Duluth MN 1250 31 Es 1505 YSR-? 2 San Salvador EL (T)
1659 KGLO- 3 Mason City IA 1005 2100 WWAY 3 Wilmington NC 1240
1729 WLW-D 2 (Avco animated Id) A1 Es 1325 KDIX- 2 Dknsn 3444 1220
14 Es 1659 KTWO- 2 Casper WY 1010 (pgm summ incl: IOPM TriState
1700 KQTV? 2 St Joseph MO (T) Final; Id showing Old West Trail
--15 to 25 July: out of town-- Buffalo head logo; VAFI time 1116)
26 Es 1429 KWGN 2 Denver CO 805 1400 KTVO 3 Kirksville MO 845
(Newsbreak, read by gal) (Cardinals BB; 1424 large Id
1446 KQTV 2 St Joseph MO 745 slide burst on; again 1458)
1559 KOAI? 2 Flagstaff AZ (T) 1458 WMT - 2 Cedar Rapids 965
27 Es 2059 WSB - 2 Atlanta GA 885 (translators Id)
2103 WFMY- 2 Greensboro NC 1175 1529 KDLO- 3 Garden City 1075
28 Es 1054 KUTV 2 Salt Lake City 1080 1559 KUSD-? 3 Vermillion SD (T)
(lcl UT feature: Carol Dunn Show) 2 Es 1425 WFMY- 2 Greensboro 1175
1059 KOTA- 3 Rapid City SD 1045 1447 WBAY- 2 WI (1459 tv2 in
(co-Id w/ KHSD-11) circle Id; 1605 Favorite Martian)
1059 KTVS 3 Sterling CO 810 1459 WISC- 3 Madison WI 1070
1100 KTWO- 2 Casper WY 1010 1545 WMT - 2 IA (Flintstones in kid
1109 KQTV? 2 St Joseph MO (T) show, 1554 ending, movie ad for IA
1110 KNOP- 2 No Platte NE 825 Th. in Rapids; 1600 end Dr Max
(local news w/ US & NE (kid) Show, no audio Id, & T or C)
flags behind caster) 1620 KGLO-? 3 Mason City IA (T)
1116 KWGN 2 CO ("Creature Fea- 1659 KTCA- 3 (Conv. Spanish, 1729 MET)
ture" on morning movie) 3 Es 1120 unid- 2 (interview pgr; NE)
Until the next, 73 de Glenn.

Pat Dyer, Office of Telecommunications, Institute for Telecommunication Sciences, Boulder, Colorado 80302 (26 Jul - 9 Aug) (MDT)

Penncrest 9" B&W; 19-el. log-periodic, apx 12' up, fix-aimed SW to 31 Jul.
28 Es 1205 KEY-T 3 Sta Barbara 890 (4) MS 0552 WTMJ- 4 Milwaukee WI N 915
1320 unid 6 ? (NBC) 5 MS 0550 WTMJ- 4 Milwaukee 915
1430 unid 3 ? (NBC) 7 MS 0515 WCIA 3 Champaign IL N 905
30 Es 1030 WJAC- 6 Johnstown PA N1390 WTMJ- 4 Milwaukee 915
1130 WJIM- 6 Lansing MI N1090 0537 WKY - 4 Okla. City N 520
31 Es 0900 KREM- 2 Spokane WA N 795 0538 WLBT 3 Jackson MS N 995
1401 KOBI 5 Medford OR N 930 0540 KATC 3 Lafayette LA 1005
2027 KVDO- 3 Salem OR N 965 KDAL- 3 Duluth MN 795
2100 CHEK- 6 Victoria BC N1065 0557 WDAF- 4 Kans City MO N 580
A1 Tr 0833 KHPL- 6 Hayes Center 220 Tr 0558 KDUH- 4 Hay Springs NE 225
Es 1401 WSAZ- 3 Huntington N1225 MS 0654 KXLF- 4 Butte MT 535
4 MS 0525 KATC 3 Lafayette N1005 9 MS 0521 WLBT 3 Jackson MS 995
0543 KDAL- 3 Duluth MN N 795 At last I finally got set up.

The location is actually on one of the Dept of Commerce's antenna field sites about 12 miles ENE of Boulder. Got TV set on July 26 and very pleased to find a lot of late July Es still around. The MS from the Perseids has been very good for me compared to previous years. More of that for next month's column. KTVS 3 Sterling CO (110 mi) s/on 0545 as does KFBC-TV 5 Cheyenne WY and that hurts MS ID's a lot. KKTU 11 & KRDO 13 Colorado Springs are more or less in at all times. MS seems to peak after all have s/on and taken their TP's off! Even though the peak is not here for the Perseids yet, I've seen several bursts run 3 minutes or more. You'd almost think a small Es opening was going. Local KOA-4 s/on 0655 so that's why I've been able to get such good luck on Ch 4.

Current plans are for me to be back in Texas the latter part of September. 73, WA5IYX/Ø.

Fred McCormack, Des Lacs, North Dakota 58733 (1 Jul - 8 Aug) (CDT)
 Heathkit GR-169 TV, Winegard CW-48 antenna.

<u>3</u> Es	1427 WLBY	3 Jackson	3444R1245	<u>17</u> Tr	0625 WOW	- 6 Omaha	4444N550
	1458 KJAC-	4 PtArthr	3434R1325		0630 KSOO-	13 SiouFls	3344R395
	1502 KTEW	2 Tulsa	3433R875		0749 KFTV	7 Omaha	4444N550
	1557 KFDX-	3 WichFls	4445R1000		0808 KMEG	14 SiouCty	3445R460
<u>4</u> Es	1856 WBRZ	2 BatnRge	3445R1310	Es	1129 WLBT	3 Jackson	4045R1245
	1858 KATC	3 Lafyett	3445R1335		1158 WDIQ	2 Dozier	3334R1400
	1928 KPRC-	2 Houston	3334R1310		1300 KVOA-	4 Tucson	3335R1200
	1950 KFDW	4 Dallas	4444R1090		1429 XHAQ-	5 Mexicali	4434N1295
	2000 KFDX-	3 WichFls	3445R1000		1441 KORK-	3 LsVegas	3445R1075
	2058 KWAB	4 BigSprg	0333R1095	<u>18</u> Es	0002 WBBM-	2 Chicago	3433R805
	2059 KGNC-	4 Amarilo	3434R890	<u>23</u> Es	1959 WRBL-	3 Columbus	4434R1380
	2221 KMID-	2 Midland	3033R1115	<u>25</u> Es	1100 WRBC-	3 Memphis	3335R1075
<u>5</u> Es	0817 WFMY	2 Grnsboro	3434R1390		1129 WEAR-	3 Pnscola	3333R1415
	0830 WSB -	2 Atlanta	4334R1330		1159 KBTX-	3 Bryan	3435R1240
	0852 WSM -	4 Nashvil	3333R1120	<u>30</u> Es	1901 CKVR-	3 Barrie	4443R1080
	0859 KTVI	2 StLouis	4444R865		1903 CKCO-	2 GeorgianBayOnt	4433N??
	0930 KSD -	5 StLouis	1333N865		1929 WDTV	5 Weston	3334R1225
	0958 KARK-	4 Lt1Rock	4444R1010		2059 WUND-	2 Clmbia	4332N945
	1000 WREC-	3 Memphis	3133R1075		2303 KIII	3 CChrsti	2234N1425
	1029 KTEW	2 Tulsa	4444R875		2329 KACB-	3 SAngelo	3435R1155
	1058 KFDX-	3 WichFls	3333R1000	<u>31</u> Es	0930 KCRA-	3 Sacto	3334R1200
	1158 WBTU	3 Charlot	3335N1385		0930 KTVN	2 Reno	3444R1085
	1230 WLW-D	2 Dayton	1333R1035		1000 KCRL-	4 Reno	3334R1085
	1259 KTVK	3 Phoenix	4444R1150		1458 KPIX	5 SanFran	3435N1275
	1328 KOAI	2 Flagstf	4444R1030		1815 KIEM-	3 Eureka	3045R1225
	1405 WTTV	4 Blmgton	4444R975		2058 WREC-	3 Memphis	3333R1075
	1429 WMAQ-	5 Chicago	4444N805		2102 KTVI	2 StLouis	4433R865
	1458 WSAZ-	3 Hntgton	3033R1175		2129 KPIC	4 Rosebrg	3444N1115
	1530 WBBM-	2 Chicago	4433R805		2159 KOB1	5 Medford	4445N1115
	1759 WDCN-	2 Nashvil	3033R1120		2204 KVIQ-	6 Eureka	3335N1225
	1806 WEAR-	3 Pnscola	3335R1415	A7 Tr	0820 WUHQ	41 Batt1Cr	3035N875
<u>11</u> Es	1926 KHBV	5 Hendrsn	4433R1085	<u>8</u> Tr	0740 KNMT	12 Walker	3345R330
	1928 KORK-	3 LsVegas	4433R1075		0840 K7ØCI	ColumbusND	4445R 70
	1959 CKVR-	3 Barrie	4033R1080		0900 KMEG	14 SiouCty	4445R460
	2100 WHEN-	5 Syracus	4444R1275		0940 CBWCT	5 FtFrncs	3332R375

TV DX continued to be very good during July. Highlights were WUND & KPIC loggings and Omaha tropo. Best DX of period, however, was tropo opening of Aug 6-7 to Grand Rapids MI area. WUHQ 41 was first seen by my brother with good signals on 6th at 1300 while I was away. I returned eve. of 6th to find FM tropo to Grand Rapids but no trace of WUHQ. This FM opening continued through the night and following morning. I finally logged weak signal from WUHQ at 0820 and identified it at 0855 with ID slide following local ad. Reception on 7th was weak and only about 10 minutes of programming was seen during time it was in. UHF was also noted on 8th with KMEG & K7ØCI seen with good signals. 73 & good DX.

Gil Morgan, 13316 Hale Ave, Garden Grove, California 92644 (16 May-11 Aug) (PST)
 1963 Zenith TV, 16-el. JFD, Ch-3 dipble. Total log: 45 stations, 9 states
 M16 Es 1540 XHQ - 3 Culiacan 3533N890 12 Es 1350 KFDX- 3 WichFls 3433N1115
 22 Es 1000 KID - 3 IdahFls 5534N750 1402 unid 3 Sesame St
 1001 KTVS 3 Sterling 3433N940 28 Es 1220 KRTV 3 GrtFals 5544R
 1120 KWGN 2 Denver 2132N825 1243 unid 4 ABC PDT
 (Std thru KXN) (Es in till 1945) 1300 KHQ - 6 Spokane 4533N974
 31 Es 1000 KOTA- 3 RapdCty 4543R A10 Es 1301 unid 3 non-net. cartoons
 (No Es noted in June) II Es 1445 KIII 3 CChrsti 4432N1278
 J4 Es 1830 KLEW- 3 Lewston 3434N892 1523 XHY - 3 MeridaVic 2332N1945
 10 Es 0930 KRTV 3 GrtFals 5544R (Get smart in SS: drama, id at 1559:
 1000 unid 2 NBC CST 1st 2E, 14th on ch 3)

Marv Garber, 2539 Kessler Blvd, Lincoln, Nebraska 68502 (9 Jul-6 Aug) (CDT)

Jul 9 Es t/in 1230, KTVU 2, KCRA-3 (4232N1325), tent. KRON-4, KTVN 2. Out @ 1330.

Jul 10 Es super opening, easily the best of the season! Started to west 2000 (was in earlier to SE & E but I was gone all afternoon). FM going strong 2130-2230 to Spokane-Boise area. KTVN 2 KCRL-4 KXLY-4 KBOI-2 KID-3 KLEW-3 KREM-2, tents. KHQ-6 KOTI 2. Skip still going on chs 2 & 3 when I quit @ 0030 (11 July).

Jul 12 Es 1300-1530, XHIA-2 KBOI-2 & my shortest hop yet-- KDUH-4 @ 340 miles!

Jul 13 Rare tropo opening to Denver area 0020-0130, KWGN 2 (1333R 460, CATV interference-dammit) KOA-4 (2444N460) KBTU 9 (4545N460) KTVS 3. Tent. KLZ-7 (wouldn't break through KETV 7) and 11 13 Colorado Springs.

Jul 14 Tropo east WCIA 3 (4444N440) only new one.

Jul 15 Tropo east 0020-0100, WCIA 3 WQAD-8 KPLR-11.

Jul 16 Es 1400-1500 t/out, WGBH-2, WSVA-3 (3443N955 through KMTV 3) WRC-4 WTTG 5. Opening reached FM during this time, also.

Jul 17 Es 1400-1500, KTVN 2 in all afternoon. Up to ch 3 briefly.

Since July 17 DX has gone down the tube (or is it out of the tube, hi). Also, I haven't had much time to DX due to working full-time and going to summer school. This season's Es was below that of last season's; however, July was a little better than during 1970. Totals now 160 stations (VHF only) from 34 states plus DC and 4 provinces. 73.

Bob Cooper, 2609 Chaucer Drive, Oklahoma City, OK 73120 (6 Jul-8 Aug) (CDT)
 (End of previous report) Jul 6 0810 t/in, KYNE-26 KMEG 14 KVFD-21

400-550mi range north plus KRDO-13 KKTU 11 west/NW 463mi. Es 1845 ch 2 NW, no id. Tr ducting 2130-2300plus, WJY-14 (501mi) KMEG 14 KVFD-21 KCSD-19 K7ØEK KXNE-19 KHNE-29 WMTV 15 (680) and others in and out.

Jul 7 MS 0507 (what am I doing up at this hour??) WSB-2, 0525 WFBC-4. Tropo 0616 KTVI 2 (457) WOW-6 (420) K7ØEK (so strong at 100mi that it overloaded converter!) KELO-11 KS00-13 (559). KGIN-11 KOLN-10 K18AA K71BO KETV 7 KMEG 14 and new K7ØEN (KAKE10 relay from ManhattankS-270mi) and others under 350 mi. Band still "hot" 0830 when I headed to work.

1920, KBMA-41 into tropo levels. (from normal scatter levels), 2010 KTVU 11 good, 2022 KCSD-19, 2110 K7ØEK, 2117 KDNL-30. (458 mi).

I hesitate even to send this report off, there has been so little time for monitoring the past 30 days. What conditions there were seemed far below normal in almost all respects. July in this country is usually a bummer for tropo, but we expect some Es to carry us through. There may have been some decent Es--but not when I was available to DX.

Jul 9 Es t/in 2057, CKVR-3, 2150 CKC01-2 (Ch2 #55), 2201 WBBM-2.

Jul 10 Es t/in 0850, WBAY-2, had to leave 0905. T/in 2210, Es to west w/many not ided; did catch KTVU 2 KVIE 6 and bunches of FM until apx 2315, then KOOK-2, tent. KATU 2, KRTV 3. After 0010 on 11th:

Jul 11 Es (w/ WKY-4 off) KXLY-4 CKSA-2 CFCN-4 KREM-2 CFAC-2, Es still going weakly 0155 when I quit. 1750 t/in to 1800 weak Es to NE.

(Jul 11, continued) 2143 t/in to 2215, weak Es NE including CKVR-3.
 Jul 12 Es t/in 1835 to after 1900, chs 2-3 NE, no ids.
 Jul 13 Es t/in 1930, ch 2 NE, no id.
 Jul 14 Es t/in 0828, ch 2 E/NE, no id.
 Jul 15 Es t/in 1812, ch2 NE, no id. T/in 2200, front-line duct to NE, WDXR 29 (505) KYTV 3 (275) KDNL-30 (458) KPLR 11 (458) & others.
 Jul 16 Tropo 0730 KDNL-30.
 Jul 17 Es t/in 0945, ch 2, had to leave. Es t/in 1237, KBOI-2 to 1300 t/out. Es t/in 2110-2130 west, NW KBOI-2 and others.
 Jul 18 Es t/in 1016 t/in, chs 2-3 NE, 1030 WGR-2 until 1115 t/out. Es 2013-2016 WTAR-3; weak ch 2-3 Es until 2100.
 Jul 19 Tropo 0830 KYTV 3 up considerably along front duct. T/in 2200, WDXR-29 (505) KDNL-30 (458) on duct.
 Jul 21 Es t/in 2123, XHBC-3 KTVK 3 XETV 6, others, strong Es, 2200/out.
 Jul 23 Es t/in 2014, north, in & out until 2115, KBOI-2 at 2110.
 Jul 25 Es t/in 1920, WSB-2 WUSN-2 WEAR-3 CKCK-2 WBAY-2 WISC-3 WJMN-3 and others until after 2250.
 Jul 27 Es t/in 2022, ch 2 NW, no id.
 Jul 30 Tropo t/in 0750, KDNL-30. Es t/in 1805, ch 2 east, no id.
 Jul 31 Es t/in 2020 to 2105 t/out, ch 2 N/NE, no id.
 Aug 1 Es t/in 1720, KBOI-2. Es t/in 1835, ch 2 NW, no id. 2105-2115 CFAC-2. Tropo t/in 2238, Ch 16 zero-beat to KUHI 16, KDNL-30 (458) w/10kHz CCI on 30; 2320 WFIE-14 WEHT 25 (576); 2355 WTWV 7 (576) KFVS-12 (455) all along fairly narrow duct ahead of cold front. And on into:
 Aug 2 Tropo 0038, tent. WISH-8, WKRC-12 w/KSD-5 KPLR-11 and others. Tropo 0730 KSEL-28 grade A. Es t/in 2037 weak w/heavy fading ch2 SE. Tr. up, 2053 KBMA-41 KCSD-19 (297). Es 2110-2135 WJBK-2, others not ided.
 Aug 5-8: Out of town.

It appears that (in case it has been missed elsewhere) WWOM-26 and KCIT-50 are off air, possibly for good. WJJY-14 is up for sale under terms that suggest it is fast going down the tubes and if not sold may also fold. 73.

Next month: details of the Midwest tropo that improved starting at the end of July and into August, and some more Es. Your editor's report (whose notes were left home) and any others missed through forwarding will also be reported next time. At this typing, we are in Arcata, CA, near Eureka, attending a summer music program at Humboldt State College. For the 12 September deadline, use my Wasco address on Page 1. For 12 October, send to me c/o Music Department, Chico State College, Chico, CA 95926.

Best of DX to all Dennis

Morrie Goldman, 5815 Christiana Av., Chicago, IL 60645 (CDT)

Thur. May 27 0858 Ch.4, Es, SW. EBS test. CCI from KWAB and others.
 " " " 0859 Ch.4, Es, SW. Video only, as sketched. (Translator??)
 " " " 0943 Ch.3 & 4, Es, WSW. Jack LaLane exercise. Different show each channel.
 " " " 1145 Ch.4, Es, SW. 'Midday', ad for Shoppers World, a home builder, and Mc Donalds grand opening.



Les Prus, 1615 Pierre, Manhattan, KS 66502

On Saturday, May 8, Les had a tentative KDKA, and would like to know their schedule for 1830-1930 EDT. Is it CBS News followed by local news, or vice versa....or other?

BOB'S TECK NOTES

BOB'S TECK NOTES

Bob Cooper, Jr.

2609 Chaucer Drive

Oklahoma City, Oklahoma 73120

THE UHF SYSTEM

During the past two-three years UHF TV DXing installations have steadily improved. I recall when this writer was apparently the only advocate of the 7 foot UHF dish antenna, and convincing others of their super DX abilities was no easy chore. I doubt that anything I said or wrote was as effective as the UHF DX "luck" with my own dish installation. But eventually all but the hardest to convince agreed that the dish was the best way to go on the ultra highs.

A modern UHF DXing installation of 1971 consists of the following:

- (1) The Dish - usually a seven foot parabolic by either FINCO (at one time available from ALLIED, but apparently no longer) or Channel Master.
- (2) Low Loss Feed Line - .412 aluminum jacketed (CATV) 75 ohm line is recognized as about the minimum you can get away with and be serious. Losses average around 3.0 db per 100 feet at 500 MHz; which still isn't good. The larger .500 and .750 is beginning to find favor for those who know how to get it. The best quality open wire line (which is better loss wise than the best tubular line at UHF) has around 1.5 db loss per 100 feet at 500 MHz, when everything is right (line not wet, etc.). .750 aluminum jacketed also has 1.5 db loss per 100 feet at 500 MHz, and it stays the same wet or dry. Additionally, it can be used to power feed operating voltage to your UHF antenna mounted pre-amp; something that you wouldn't attempt with open wire line.
- (3) Antenna Height - Tests run repeatedly in many locations across the country have verified time and time again that for a UHF dish to function properly it must be ABOVE the high signal absorption levels of trees, buildings and power lines down close to the ground. You wouldn't mount a serious DXing antenna for TV 5 feet above the ground because you can "see" the ground clutter of solid and almost solid objects that are there to soak up weak signals. The same kind of "clutter" exists at 25, 30 and 35 feet in most neighborhoods; only it is harder to see from a ground level vantage point. In most suburbs, 45-50 feet above ground to the center of the dish is about the minimum you can play with and even hope to have your dish function properly. If the tree, building, power line clutter level rises to 40 feet in your town, 50 feet is really only 10 feet above this artificial signal absorbing ground level; and 10 feet isn't all that much!
- (4) Receiver - it is unfortunate but true that UHF tuners are years behind the technical capabilities of the TV receiver industry. Or at least years behind the electronics state of the art. No UHF receivers, or converters, even have an RF amplifier stage. The consequence of this is that UHF receiver sensitivity suffers badly; very badly when compared to equivalent VHF receivers. UHF tuners today (and this includes built in-set models and outboard converters) are about as sensitive as 1948-1950 model VHF television sets! In-set tuners are the worse cases and outboard converters such as the Blonder Tongue BTX-11A are just a shade better; but not much.

- (5) Pre-Amplifiers - because no tuners or converters have an RF (amplifier) stage, one would think that almost any pre-amplifier (which is an RF stage) would be a big help. Unfortunately, this is not true. For the RF amplifier stage (pre-amp or otherwise) to be any help at all, it has to be better than the converter itself. We all know how comparatively bad the tuner/converters are; we can only imagine that if the pre-amplifiers are as a general lot of no benefit, that they must be super bad. Unfortunately, everything is true. In spite of all of the neat RF (amplifier) transistors we read and hear about (and a few of us even play with) daily in the trade press, the difference between super neat transistors (which are the secret to a good UHF tuner/converter RF stage) and transistors that can be mass produced for 30 or 40 cents each is a million miles. The transistors to build really good UHF RF stages exist. Perhaps even dozens of them. But they are all very expensive and until some major manufacturer takes the lead and decides to go all out for a super UHF receiving system, and starts using hundreds of thousands of these choice transistors, the price will stay up there in the \$15.00-\$100.00 per transistor class.

You can buy a reasonably good UHF pre-amp today. In fact two of them. By reasonably good, we mean better than your tuner or converter and therefore good enough to improve your UHF sensitivity. Not as good perhaps as the really good transistors would or could do, but better than what you now have. One is the Blonder Tongue CMA-U covering channels 14-59 in one broad band sweep. It mounts at the antenna, and is fed power up through the inter-connecting 75 ohm coaxial cable from a power supply down at the receiver. Total cost, with power supply, is about \$80.00 now. This one has a noise figure of 8-9 db, in case you care. Then there is the Blonder Tongue CMA-U-LN. LN stands for low noise; about 4-5 db. This is sold as a single channel device, but it is peaked on one channel and has "useable gain" over about ten channels on either side. In both cases voltage gain is about 18-20 db; adequate. This one will SET you back around \$150.00 plus the power supply.

Any and ALL of the MATV/consumer UHF "pre-amps" by Finco, Channel Master, Jerrold, BT, Winegard, etc. are just pieces of electronic junk. Their noise figures are no better than (and perhaps worse than) your present BTX-11A converter. If you find such an animal that actually improves weak signal reception, in your case, you have merely shown yourself that your UHF tuner/converter was very sick to begin with and that you needed to replace that; not buy a cheap UHF pre-amp.

JUDGING UHF SYSTEM EFFECTIVENESS

Enough DX'ers have put together all or major parts of the previously described UHF system for us to gather a year or two of operating notes. We know now that with a UHF dish 50 feet up or more, and low loss feedline, and a BTX-11A, that you should and must have at least 200 mile daily UHF reception. If you don't, there is something wrong with your installation. Now 200 mile daily reception means just exactly that; signals that are ALWAYS there, always detectable, even if only a frame bar or raspy sound. This is because at UHF we have something called tropo scatter; a form of propagation where minute (very weak) amount of the transmitted signal is scattered as it goes over the "TV horizon" by discontinuities in the air or troposphere. This

scattered signal energy bends beyond the "horizon" for up to 300 miles or so. Scatter signals are always present; albeit weakly, and with very heavy, deep, irregular fading. These same signals exist at VHF also, but are harder to find when our antennas are relatively speaking so small. At UHF, a 7 foot dish antenna is just barely big enough - but it IS big enough - to recover some of this scattered energy. We use the 7 foot dishes because they are cheap and available. A 10 foot dish would capture twice as much signal (3.0 db more) while a 14 foot dish would capture four times as much signal (6.0 db more). And four times as much wind ... in case you are thinking about building one, and rotating it!

Now if you add the CMA-U pre-amp, a few more feet (say to 70 feet) and some really good low loss UHF transmission line (like .750 or larger), your UHF scatter reception range is pushed out from around 200 miles to 250-300 miles. Even with the relatively small 7 foot dish. This is very helpful. If you can monitor any and all average to high power UHF stations within 250 miles of you, you can always check (anytime of day or night) to see whether things are normal; that is, do signals have their usual heavy, rapid, irregular fading. Just as soon as one or more of these signals loses its fading, and stabilizes, you IMMEDIATELY know that a duct or inversion or tropo is forming on that path. And this is usually hours before it shows up on VHF or FM. Let's repeat that. As long as the UHF scatter signals are still scattering (heavy, irregular fading), things are normal. BUT - just as soon as they stabilize, lose their heavy irregular fading, and start to build up - even if only slightly - you immediately know that conditions conducive to DX are forming. There is no better warning system known in TV DXing today. Ask Roger Brown or others who swear by it.

LIGHTNING SCATTER AT UHF

If you are now regularly in the UHF tropo scatter "club", your next challenge for your equipment is to track a squall or thunderstorm line by lightning scatter or lightning skip. Here is how it is done. Pick a 300-500 mile distant high power (500,000 watt up) UHF station. Preferably, it should be ON a channel that is ALSO occupied by one of your fringe area UHF's. When a thunderstorm line moves across or along the line between you and this distant U station, swing your antenna towards the station, peak up your converter on the weak same channel fringe station, and then sit back and wait for lightning-strike-induced bursts of signal (much like low band VHF meteor scatter) from the distant U. Now we pick a channel (and station) that has a nearer fringe station because our nearer fringe station gives us something for the distant U to beat against (CCI - co channel interference). Most bursts are weak. Very-very weak. So weak that if we looked for them on a blank channel, we probably wouldn't detect them at all. However, with the weak fringe U on the same channel, we have something for the distant lightning-strike-induced "skip" (or scatter) to CCI against. And since we can detect a CCI signal (with horizontal CCI bars) against another signal when the CCI station is as much as 40 db weaker than the primary station, we can go pretty far DOWN (ie. down to a signal level well below what we could detect if the signal stood alone) in this way. WAPT-16 in Jackson, Mississippi, 473 miles, is my favorite for this because it is the right distance, a long a good thunderstorm producing path, and just right to beat against my 200 mile KUHI-16. Lightning scatter averages up to 100 bursts per hour, and about 3-4 of these are strong enough to tell what it is you are seeing. Its a good check out of your equipment, and you might log a new station or two if they are on test pattern when the storm hits!

WTFDA DX MAILBOX
P.O. BOX 5001
MILWAUKEE, WI 53204

ASSEMBLED
BY
TERRY COLGAN



Summer will soon be over, and listening activity will be decreasing as thoughts turn from DX (what there was of it) to getting receivers and antennas ready for next season.

Getting in on the action before the season ends are the following new members:

Daniel J. Rapp, Jr., 822 Northwood Blvd., Ft. Wayne, IN 46805
Richard S. Saeta, 13939 Oxnard St., Apt. 2, Van Nuys, CA 91401
Ray Stilwell, 1113 Cleveland St., Lansing, MI 48906.

And a special welcome to our newest overseas member--R.R.T.

Johnston, "Ohio", West Road, Bransgore, Christchurch, Hants, U.K.

Not many newcomers this month, but a flock of oldtimers who will be with us for another year:

W.M. Beckett	Joseph Fe la, Jr.	Michael J. Sweeney
Roger Brown	Rick Galasso	John W. Ray
William Eckberg	Jim Hayes	Ray Terlaga
	Hank Holbrook	

R.R.T. Johnston (address above) notes that although FM is his main interest, "both for DX and choice of entertainment," he would like to get started in TV-DXing, but doesn't know how to begin.

Here's a chance for you TV DXers to add a convert to your ranks.

Ron LeBlanc, Marrero, LA, logged the arrival of a 6 lb, 8 oz baby girl (his third) on March 25, with the comment, "I guess girls can DX just as good as boys." Sure hope so, Ron. Congratulations!

New member Richard S. Saeta (address above) uses the whip antenna on his 12-inch Sharp B-W portable (circa 1970) to snag DX since he lives in an apartment with a "lousy" outside antenna. The indoor antenna has been good to him though, with his best DX being KARD-3 (1200 miles). Incidentally, Richard suggests KTTV-11 in L.A. as a good bet for late night west coast DX since they stay on until 0400 PDT.

Bruce Metzner dropped a quick note from Madison, WI, to let us know he's reading the reports in the VUD with envy, since the only DXing he does is when he drops in to visit his folks. One reason for his lack of activity is a six-week European tour. Unless reception has markedly improved in many areas, there are probably lots of people who would be happy to trade all this summer's DX for a trip like that!

For those of you who like to keep your address files up-to-date, here are the latest QTH changes:

Richard J. Barth, 225 E. Bradford Ave., Cedar Grove, NJ 07009;

Michael D. Coffey, 2813 LaLoma Dr., Apt. 8, Rancho Cordova, CA 95670;

David P. Dunn, 3226 Midvale Ave., Philadelphia, PA 19129;

Don Ruland, 4448 68th Place, Kenosha, WI 53140;

Gil Morgan, 13316 Hale St., Garden Grove, CA 93644.

For those of you who wonder, all my listening is done in the 30-50, 152-174, and 450-470 MHz bands, using a Realistic PRO-2, Midland 13-920, and Petersen HL-44. At present, I am finishing my master's degree in Recreation and Resources Development at Texas A&M University. Any Aggies out there?

CC

Bill Heusmann
3116 Sangamon St.
Steger, IL 60475

Well, your roving reporter does it again; please note address change. He also does it again

just getting out a column. Apologies to all for the long delay. If you only knew what I've been involved with lately! On to the reports, hopefully I've found them all!

Glenn Hauser, PSC Box 42309, Kelly AFB, TX 78241 (CST)

Tues	May 18	0650	Ch.2, Es. Children's music lessons; WSJK? Not WDCN
"	"	0717	Ch.2, Es. TP QRM to WDCN.
Fri.	May 21	0701	Ch.3, Es. Virginia Graham Show; Not WRCB.
"	"	1115	Ch.2, Es. Congressman report in standard set; flags.
"	"	1128	Ch.3, Es. Towns on slide, Fall River, Alworth(?) and others; KARD? 1129, Weather/agriculture show about Texas and FL droughts. 1135 local news mentioning state Assembly (some states call them legislatures).
Sat.	May 22	1425	Ch.3, ES. Roller Derby. WI/IA area.
Weds	May 26	1926	Ch.2, Es. Documentary sponsored by Eaton, with three Eaton ads in a row!
Fri.	May 28	1829	Ch.2, Es. Central states area. Promo for local news by anchorman Bob Jamison.
Sat.	May 29	0959	Ch.2, Es. Ad for 'Giant G' store. Opening from SE states above Florida.
Tues.	June 8	1021	Ch.2, Es. Digital clock on EDT; again 1026. WPBT/WTHS?
Fri.	June 11	1615	Ch.6, Es. Test tone, music; Colorado area. KRMA?
"	"	1758	Ch.2, Es. Football discussion. 1800 Book Beat. KUSD?
Sat.	June 12	1448	Ch.2, Es. Three Stooges; Indiana area.
Fri.	June 18	1829	Ch.3, Es, west. Beginning NBC news minute aerly. KORK?
Sun.	June 20	1251	Ch.2, Es, NW. 'Happy Fathers Day' ID reminded me of KTVU. Correct?
Thur.	June 24	1812	Ch.3-, Es. Spanish from S. Roger Ramjet or the like.
Fri.	June 25	1846	Ch.2, Es, west. Spanish film, offset + or -, 1855 slide w/large letters EL/PECADO/DE/SOFIA. XHFA?
Sun.	June 27	1307	Ch.3, Es, north. Bowling. Earlier: KDAL, later KOOK
"	"	1759	Ch.2, Es, NW. Live CBS net, large white scripty '2', surrounded by rays. KBOI or KOOK?
Mon.	July 5	2228	Ch.3, Es, west. Spanish, Ø offset. Remote from househunting in various fraccionamientos; but VTR credit to Canal 6. XHBC?



And Glenn's FM unIDs:

Fri.	May 21	Until 2144.	91.7, dramatic reading from 'Dracula'. WUOM?
Tues.	May 25	1042	Paul Harvey from FL area. WHOO?
Tues.	June 8	1238	90.9, N or NW. Discussion on future research. Band open to Cheyenne and Rapid City, earlier.
Sat.	June 12	1513	88.3. Jazz music, believed WIAA. Anyore confirm?
"	"	1526	91.1. Classical mx, 1553, jazz. WLFM?
"	"	1546	95.3. Sermon from MN area. KNOF do this?
"	"	1554	89.9. Orchestrated hymn. (Milwaukee not on. bh)
Mon.	June 14	0451	106.5. 'Lifeline', probably KGBC or KOOI, Texas
Fri.	June 25	1108	89.5. 'Firing Line' from NPR, WV area.

Andy Bolin, 709 Lincoln Avenue, Charleston, IL

On July 4, at 0545 CDT, Andy reports tropo on 104.5. Strereo progressive rock, ad for The Market at 593 Young (sic) St. Also ad for the Little Filmore, then announcer said he was going to go jogging around Harlem Square. CHFI, Toronto in. Was this CHUM?

MORE to come! Check at end of Western TV DX!

VHF RADIO

Pat Dyer
Office of Telecommunications
Institute for Telecommunication Sciences
Boulder, Colorado 80302
Deadline: 12th of month

SEPTEMBER 1971

A very large column this time.

Hank Holbrook, 7211 Chesnut Street, Chevy Chase, MD 20015 has been very busy from his Fair Haven cottage while his leg is mending. QSLed DX, GMT.

<u>5-25:</u>	1435, KIY 508	35.22	Orlando, FL (pager)
	1508, KIF 651	35.58	Fort Lauderdale, FL (pager)
	1730, -	39.50	Oregon, IL (police)
<u>27:</u>	2328, KCC 482	35.22	Concord, NH (pager)
<u>29:</u>	1758, KSA 467	39.50	Freeport, IL (police)
<u>30:</u>	1658, WK 3726	157.3	2 miles east of Thomas Point, MD (<u>SINE CURA</u> , yacht)
<u>6-4:</u>	0122, NMX	157.1	Baltimore, MD (USCG)
<u>19:</u>	1055, AVP	112.4	Wilkes-Barre, PA (FAA VOR, c.w., 125 w)
	1111, MXE	113.2	West Chester, PA (FAA VOR, c.w., 130 w)
	1230, KEB 524	154.25	New York, NY (Manhattan Fire, 350 w)
	2340, KGC 400	35.58	Scranton, PA (pager, 250 w)
<u>7-5:</u>	0745, KGA 804	43.58	Philadelphia, PA (pager, 350 w)
	1204, EWT	114.0	New Castle, DE (FAA VOR, c.w., 130 w)
	1226, PNE	112.0	Philadelphia, PA (FAA VOR, c.w., 130 w)
<u>8:</u>	1133, -	157.1	Ocean City, NJ (USCG)
	1137, NMN 35	157.1	Crisfield, MD (USCG)
	NMN 70	157.1	Chincoteague, VA (USCG, 25 w)
	1150, NMN 77	157.1	Ocean City, MD (USCG, 20 w)
	1157, -	157.1	Still Pond, MD (USCG, 25 w)
	1347, KAB 410	37.10	Montezuma, IA (sheriff, 100 w)
	KAF 474	37.10	Grinnell, IA (police)
<u>9:</u>	1628, KAD 303	37.10	Independence, IA (sheriff, 500 w)
	1639, KAB 904	37.10	Perry, IA (police)
	1642, KAA 585	37.10	Marshalltown, IA (sheriff)
	1722, KIG 300	43.58	Atlanta, GA (Decatur Clinic pager)
<u>10:</u>	1541, KAB 217	37.10	Iowa City, IA (police, 120 w)
	1545, KAB 540	37.10	Des Moines, IA (sheriff, 180 w)
	1638, KSB 455	39.42	Jefferson, WI (police, 500 w)
	1644, KSB 487	39.42	Balsam Lake, WI (sheriff)
	1650, KSB 504	39.42	Shawano, WI (sheriff)
	1652, KSB 887	39.42	Shell Lake, WI (sheriff, 30 w)
	1658, KSB 461	39.42	Fond du Lac, WI (police, 250 w)
<u>12:</u>	1159, KGA 913	39.10	Salisbury, MD (state police)
	1200, KGA 912	39.10	Easton, MD (state police, 330 w)
	1734, NRZT	157.1	38-49-30N, 76-20-40W (<u>PRIMROSE</u> , const.tender)
	1917, KSB 464	39.42	Fort Atkinson, WI (police)
	2104, KSA 291	39.50	Sycamore, IL (sheriff, 100 w)
	2318, KCC 266	35.58	Springfield, MA (pager)
<u>13:</u>	1553, KAA 951	39.46	Salina, KS (police)
<u>14:</u>	1415, KIF 869	37.26	Knoxville, TN (sheriff)
	1418, KF 7068	161.64	near Thomas Point, MD (<u>LIAO WO</u> , 40' ketch 80 w)
	1419, KIC 986	37.26	Clinton, TN (sheriff, 500 w)
	1432, KIL 431	37.26	Morristown, TN (sheriff)
<u>15:</u>	1651, KGF 986	39.30	Annapolis, MD (state police)
	1652, KBT 576	39.30	Glen Burnie, MD (state police, 500 w)
	1654, KGD 979	39.30	Prince Frederick, MD (state police, 500 w)

<u>7-17:</u>	1234, KFI 529	155.40	Philadelphia, PA (pager of U of PA hospital; antenna on 11 story bldg; serves 52 area hospitals; 110 w)
	1527, KAA 796	39.58	Russell, KS (sheriff, 100 w)
	1533, KAF 370	39.58	Beloit, KS (police)
	1623, KSV 779	39.58	El Dorado, KS (Dpt of Public Safety, 100 w)
	1634, -	39.58	Hiawatha, KS (police)
<u>18:</u>	1857, KGE 774	39.22	Annapolis, MD (state marine police)
<u>19:</u>	1232, KQY 673	155.73	Seat Pleasant, MD (police, 330 w)
<u>20:</u>	1500, KQY 686	155.95	Suitland, MD (state police, 275 w)
	1520, KAB 262	37.10	Clarion, IA (sheriff)
	1521, KAE 698	37.10	Pocahontas, IA (police)
<u>21:</u>	1134, KGA 241	155.52	Rockville, MD (police, 250 w)
	1307, KKH 889	37.10	Springdale, AR (police, 350 w)
	KRT 827	37.10	Huntsville, AR (police)
	1449, KLH 725	157.74	Washington, DC (IBM, ant 300' on Western Union Tower, Bethesda, MD; 100 w)
	KRC 467	157.74	Washington, DC (IBM, ant 300' on Prince Georges Hospital; 100 w)
<u>23:</u>	1242, KGN 683	155.22	New York, NY (Brooklyn ambulance)
	1733, KAA 201	42.06	Macon, MO (state highway patrol, 2 kw)
	2135, KSC 460	39.50	Springfield, IL (sheriff, 500 w)
	2141, KSA 332	39.50	Jacksonville, IL (police, 140 w)
	2151, KSD 506	39.50	Petersburg, IL (sheriff, 40 w)
	2158, KSB 221	39.50	Edwardsville, IL (police, 225 w)
	2202, KSB 302	39.50	Monticello, IL (sheriff, 220 w)
<u>24:</u>	2322, KIK 947	37.30	Monticello, FL (sheriff)
	2349, GONR	156.80	off Tilghman Island (<u>ARTIC TROLL</u> , automobile carrier, 25 w)
<u>26:</u>	1724, KKA 224	37.18	Kountze, TX (sheriff, 250 w)
<u>30:</u>	1410, KIC 407	37.26	Murfreesboro, TN (police, 100 w)
	- 1204, -	128.3	(Delta Airlines flt 705, DC-9; 25 w)

Richard T. Colgan, B-9-C College View, College Station, TX 77840 sent along some "representative" stations of DX he's gotten this summer. Terry has recently acquired a Peterson HL-44 scanner and is well pleased with it. GMT used.

<u>6-12:</u>	2024, KAD 529	42.82	Marshall, MN (state police, 800 w)
	2218, KAO 460	39.90	Norfolk, NE (weather service, 300 w)
<u>22:</u>	1825, KSB 221	39.50	Edwardsville, IL (sheriff, 330 w)
	1859, KAA 471	44.98	Topeka, KS (highway patrol, 1250 w)
<u>24:</u>	2338, KIK 947	37.30	Monticello, FL (sheriff)
<u>25:</u>	1543, KIC 375	37.10	Chattanooga, TN (police)
	1815, KAG 793	42.54	Belmond, IA (state police)
	2200, KLY 879	39.18	Bisbee, AZ (police)
<u>7-6:</u>	1446, KHB 42	162.55	Lake Charles, LA (weather service)
<u>7:</u>	1618, -	42.06	Glencoe, Ontario, Canada (police)
<u>20:</u>	0012, KAA 585	37.10	Marshalltown, IA (sheriff)
	0027, KAA 939	39.22	Duluth, MN (police)
<u>25:</u>	0447, KAA 971	42.58	Merrill, IA (state police, repeater)
<u>8-3:</u>	1658, KIL 218	37.30	Crawfordville, FL (sheriff)

Rick Stein, 456 Barrymore Place, North Brunswick, NJ 08902 EDST used.

<u>6-21:</u>	1030, -	37.18	Parker County, TX (sheriff)
<u>8-2:</u>	1953, KIF 502	37.30	Crestview, FL (sheriff)
	2004, KIL 218	37.30	Crawfordville, FL (sheriff)
	2005, KIH 759	37.30	Port St. Joe, FL (sheriff)

8-2:	2010, KIK 982	37.30	Bonifay, FL (sheriff)
	2015, KIL 237	37.30	Perry, FL (sheriff)
	2025, KIB 559	37.30	Panama City, FL (sheriff)
	2028, KIA 621	37.30	Marianna, FL (sheriff)
	2034, KIK 947	37.30	Monticello, FL (sheriff)
	2040, KIP 556	37.30	Apalachicola, FL (sheriff)
	2045, KIL 238	37.30	Chipley, FL (sheriff)
8-3:	0001, KIH 701	37.26	Fayetteville, TN (police)
	0002, -	37.26	Oklahoma City, OK (police)

Now, my stuff. Allied A-2586 with 50-foot long-wire antenna 15 feet up, running mostly north-south. New here underlined; all Es; MDST used.

<u>7-18:</u>	1836, KKV 690	7-24:	0925, KSC 864	8-1:	1241, KSC 644
	1845, Boise		KSC 644		1300, KSC 864
	1854, KIQ 999		0938, KSD 326		1342, OK City
	1952, <u>KOE 257</u>		0944, KIM 905		1539, KAH 661
	2004, <u>KQD 313</u>		1010, KIG 300	<u>2:</u>	2001, KMB 305
	Sacramento		1039, KOA 796	<u>3:</u>	0907, KMD 342
	2006, KQD 607		1041, KIQ 999		OK City
	2009, OK City		1117, KKV 690		Sacramento
<u>19:</u>	0929, Sacramento		1120, KMD 342		1027, KOE 257
	0954, Long Beach		1134, Sacramento		1245, San Diego
	0957, KIQ 999		1306, KIY 757		1358, Long Beach
	1005, <u>KIY 757</u>		1323, Boise		1508, KMB 305
	1037, <u>KIG 300</u>		1425, KMA 829		1812, KAH 661
<u>20:</u>	0031, KSC 864	<u>25:</u>	0000, Long Beach		2151, KOA 796
	0046, KSD 326		0921, KQD 609	<u>4:</u>	0013, KSD 326
	0051, KSC 644		0933, KSC 644	<u>7:</u>	1055, OK City
	0117, KQD 607		1246, KOA 796	<u>8:</u>	2151, KKV 690
	0935, KQD 313		1520, <u>KOP 303</u>		2238, KOA 796
	0955, KKV 690		1847, OK City		2253, KMA 829
	1031, Long Beach	<u>26:</u>	0740, KMD 342	<u>9:</u>	0835, KOA 796
	1317, <u>KIM 905</u>		0910, OK City		0902, KIQ 999
	1320, <u>KFJ 891</u>		0955, KOE 257		0942, KMB 305
	1501, KOA 796	<u>27:</u>	0936, OK City		1756, KIG 300
	1510, <u>KSJ 815</u>		0949, KMD 342		1852, KSC 644
<u>21:</u>	1009, KIM 905		1044, KMB 305		1855, KSC 864
	1105, KIY 757		1049, Sacramento		1937, KSD 326
	1141, KIQ 999		2357, Long Beach		1949, Boise
	1221, KKV 690	<u>28:</u>	0820, KIQ 999		2032, KMD 342
	1320, OK City		1036, KMD 342	<u>10:</u>	1019, KIQ 999
<u>22:</u>	0854, KIQ 999		1250, Sacramento		1029, KMD 342
	0913, KKV 690		1333, KOP 303		1036, Sacramento
	0942, KOA 796		Long Beach		1103, KMB 305
<u>23:</u>	1001, Sacramento		1650, KMB 305		Long Beach
	1007, KQD 607	<u>29:</u>	0951, KSJ 815		1525, KOE 257
	1024, KOA 796	<u>30:</u>	0902, KSC 644	<u>11:</u>	1020, KIM 905
	1312, KMB 305		0932, Pittsburgh		1040, OK City
	1523, KIM 905		1555, KMD 342		1618, KOA 796
	1709, <u>KQC 881</u>		1654, KQD 607		1729, Sacramento
	1849, KSC 644		2030, KIG 300		1736, KMB 305
	2104, KMD 342	<u>31:</u>	0902, Sacramento		1742, KMD 342
	2200, Long Beach		KMD 342		1813, Long Beach
	2215, OK City		1244, OK City		2038, <u>KIF 653</u>
<u>25:</u>	0009, Long Beach		2006, Boise		

KAH 661	35.22	Minneapolis, MN	KQD 313	35.50	Dayton, OH
KFJ 891	35 /	Columbus, OH	KQD 607	35.50	Grand Rapids, MI
KIF 653	43.58	Memphis, TN	KQD 609	35.22	Lansing, MI
KIM 905	35.22	Charlotte, NC	KSC 644	43.58	Chicago, IL
KIQ 999	35.34	Mobile, AL	KSC 864	35.58	Peoria, IL
KIY 757	35.22	Montgomery, AL	KSD 326	35.58	Indianapolis, IN
KKV 690	35.62	Houston, TX	KSJ 815	35.22	Fort Wayne, IN
KMA 829	35 /	San Diego, CA	-	35.22	Boise, ID
KMB 305	43.58	San Francisco, CA	-	35.58	Long Beach, CA
KMD 342	35.22	Fresno, CA	-	35.58	OK City, OK
KOA 796	35.58	Portland, OR	-	43.58	Pittsburgh, PA
KOE 257	43.58	Phoenix, AZ	-	43.58	Sacramento, CA
KOP 303	35.46	Langley, WA-mp	-	35.46	San Diego, CA-mp
KQC 881	43.58	Cleveland, OH			

mp-mobile phone; rest are pagers

A2 tone ID's by: KFJ 891, KIQ 999, KKV 690, KMA 829, KOP 303, KQD 313, KQD 607, KQD 609, KSD 326, and KSJ 815.

Terry Colgan also sent along some information regarding lists of VHF stations that are published. These lists are divided into different sections (e.g., Business, Fire, etc.) and are arranged variously by states-towns and by frequency. However, they do run at a substantial cost (i.e., \$25 and up). For more information contact:

Arcata Communications Information, Inc.
665 National Press Building
Washington, DC 20004

Though a little late for the summer Es season, here is a list of the primary dispatch channels for state police in the 42-MHz region.

42.02: GA, MS, IA	42.48: MI
42.04: NY, WI	42.50: IL
42.06: MO	42.52: NC, IL, NY
42.08: IA, OH	42.54: CA, ID, WA
42.10: SC, WV, RI	42.56: CA, IL, NC, OH, TN, MI
42.12: CA, MS, MO, WV	42.58: IA, MI
42.14: ME, NY	42.60: IL
42.16: CA	42.62: NC, PA, RI
42.18: CA	42.64: KY
42.20: MO	42.66: WY, MN
42.24: CA	42.68: MI
42.28: CA	42.72: CA
42.34: CA	42.82: MN, WY
42.36: NY	42.84: TX
42.38: MO, ND, WI	42.86: VT, VA
42.40: CA	42.88: OR, UT, VA
42.42: IN, TN, OH	42.90: TX
42.44: CA	42.94: NV, OR, UT
42.46: CO, NE	

Whenever space permits, similar lists will be run for 37 and 39-MHz.

By the time you read this, the first signs of the fall F2 should be coming. I doubt that transcontinental MUF's will reach above 40 MHz many times this winter.

73, Pat WA5IYX/Ø

STATISTICS

Glenn Hauser, editor
 PSC Box 42309
 Kelly AFB TX 78241
 September 1971

FM DISTANCE RECORDS at last! While we check published reports of TVDX, lack of time and the congested nature of the FM DX column make it necessary for us to consider only reports sent in directly for FM records (also TV/FM Rank). You may send in more than one MHz' worth at once, but remember that it will be almost two years before we reach 107! Thanks to the following FM DXers who sent in their best 88 MHz DX: Bishop, Bolin, Cooper, Dorner, Dyer, Ebeling, Elving, Fela, Hauser, Hobday, Howington, Kopec, Luchter, McCormack, Merrill, Pizzi, Morgan, Smith, Vogt. Please, a few more of you...?

MHz	Pr	Call	Location	Miles	DXer, Location	Comments
88.1	Es	KUNR	Reno NV	1235	Robert Cooper, Oklahoma City OK	
	Tr	WESU	Middletown CT	305	Larry Vogt, Springfield VA	
88.3	Es	KQED	San Francisco CA	1375	Robert Cooper, Oklahoma City OK	was KKKX
	Tr	WHWC	Colfax WI	720	Robert Cooper, Oklahoma City OK	
	MS	WHWC	Colfax WI	855	Larry Vogt, Springfield VA	
88.5	Es	WFCR	Amherst MA	1405	Robert Cooper, Oklahoma City OK	
	Tr	KMSM	Rolla MO	610	Bruce Elving, Duluth MN	
	Au	WFCR	Amherst MA	570	Frank Merrill, Milan MI	
88.7	Es	CJOM	Windsor Ont	1240	Glenn Hauser, South San Antonio TX	was CKWW
	Tr	WHA-	Madison WI	675	Robert Cooper, Oklahoma City OK	
	MS	WHA-	Madison WI	695	Larry Vogt, Springfield VA	
	Au	WHA-	Madison WI	685	Fred McCormack, Des Lacs ND	
88.8	Es	XESS-	Ensenada BCN	1105	Glenn Hauser, Enid OK	
88.9	2Es	WEKU-	Richmond KY	2000	Jim Pizzi, Santa Maria CA	
	Tr	WEKU-	Richmond KY	505	Al Kopec, Himrod NY	
	tie	WKES	Chattanooga TN	505	Larry Vogt, Springfield VA	
	Au	WEKU-	Richmond KY	675	John Ebeling, Bloomington MN	

FM RANK

DXer, Location	Stns	88-92	Es	States	Prov	Lands	YB	As of:
Bruce Elving, Duluth MN	950			39+DC	3	2		24 Jul
Robert Cooper, Oklahoma City OK	697			43+DC	4	5		30 Jul
Frank Merrill, Milan MI	649						65	8 Aug
John Ebeling, Bloomington MN	572			37	4	3		23 May
Andy Bolin, Charleston IL	474			24	1	2	70	31 Jul
Robert Seybold, Dunkirk NY	445			35	2	2		9 May
Al Kopec, Himrod NY	410			31+DC	2	3		31 Jul
Larry Vogt, Springfield VA	384	95	93	35+DC	2	4	68	30 Jul
Joe Fela, Newark & S Plainfield NJ	364			32+DC	1	2		12 Jul
Waldo Bishop, Tallahassee FL	337	45	80	30+DC	3	2	69	4 Aug
Fred McCormack, Des Lacs ND	236			34+DC	3	2		6 Jun
Fred Nordquist, N Syracuse NY	235			23+DC	2	2		6 Jul
Dennis Smith, Wasco CA	186							14 Jul
Frank Merrill, Toledo OH	170						71	8 Aug
John Parillo, Girard OH	170			14+DC	1	2		1 May
Glenn Hauser, S San Antonio TX	153	36	52	26	1	3	71	12 Aug
Peter Hobday, Canandaigua NY	153			9+DC	2	2		12 Jun
Mike Dorner Jr, Metairie LA	117			11	0	2		12 Jun
Gil Morgan, Garden Grove CA	105	23	3	6	0	2	69	9 Aug
Pat Dyer, San Antonio TX	90	10	11	12	0	2	70	10 Aug
Bill Heusmann, Des Moines IA	86			12	0	1		8 Apr
Paul Luchter, Oceanside LINY	85	16	0	7+DC	0	1	68	8 Aug
Frank Wheeler, Erie PA	78			4	-	2		23 Jun
Dennis Smith, Santa Barbara CA	74							14 Jul
Tom Yingling, Baltimore MD	37 V			8	0	1		10 Jun
Pat Dyer, Gunbarrel Hill CO	36	8	14	9	1	2	71	10 Aug

V = verified only. A nice turnout. In your next report please try to provide all the data called for. Deadline for 89 MHz records and all other Statistics is 13 September.

TV RANK

DXer, Location	Stns	UHF	Es	States	Prov	Lands	YB	As of:
Robert Seybold, Dunkirk NY	496			49+DC	8	6		9 May
Robert Cooper, Oklahoma City OK	344	124		38+DC	4	8		30 Jul
Glen Neal, Sayre OK	308			40+DC	4	3		1 Aug
Roger Brown, East Lansing MI	295			38	6	4		13 Jul
Gary Olson, Deerfield area IL	282			37+DC	7	5		1 Jun
Morrie Goldman, Chicago IL	243	81	70	39+DC	6	4	64	5 Aug
Bill Heusmann, Steger IL	241			37	6	5		8 Apr
Frank Wheeler, Erie PA	230			32+DC	9	3		23 Jun
Fred McCormack, Des Lacs ND	227			39	6	3		6 Jun
Ron Le Blanc, Marrero LA	183			30	1	6		21 May
Jerry Pulice, Staten Island NY	164			32+DC	3	3		6 Jun
Les Prus, Manhattan KS	152			31+DC	5	3		6 Jun
Robert Grace, Franklin TX	149			30	2	4		6 Apr
Joe Kureth, Southern Pines NC	144			26+DC	4	4		24 Jun
David Cox, Carrollton AL	142			30	5	5		6 Jun
Larry Vogt, Springfield VA	142			30+DC	2	3		13 May
Dennis Smith, Wasco CA	140			25	3	3		14 Jul
Paul Luchter, Oceanside LINY	135	52	46	27+DC	3	2	67	8 Aug
Pat Dyer, San Antonio TX	131	2	73	34	2	5	59	10 Aug
Paul Polin, Morton Grove IL	130			16	2	6		11 Jun
*Dave Egan, Valleyfield PQ	126			31	4	3		12 Mar
Glenn Hauser, S San Antonio TX	119	5	61	33	1	4		12 Aug
Bill Heusmann, Des Moines IA	118			26	1	5		8 Apr
Joel Rosenberg, Downsview Ont	105			20	2	2		1 May
Fred Nordquist, N Syracuse NY	100			18	2	2		6 Jul
Roy Horsley, Steele AL	97	17		18	4	5		12 Jul
Tom Yingling, Baltimore MD	70 V			21+DC	1	3		1 Jun
Dennis Smith, Santa Barbara CA	35			4	0	2		14 Jul
Pat Dyer, Gunbarrel Hill CO	32	0	20	20	2	2	71	10 Aug
Dave Alpert, Morton Grove IL	28			5	0	1		11 Jun
David Swanson, Margarita CZ	15			2	0	6		3 Jul

*Update due. You may revise totals every month; you must do so at least every six months.

Computer distance project is progressing; most station coordinates are now keypunched and proofreading is underway. Query: Should we consider lightning scatter a separate propagation for statistics, or just a variant of tropo? What do you think?

CHANNEL 8 TROPO TVDX RECORDS

Call	Location	Miles	DXer, Location	Comments
KAIT-	Jonesboro AR	395	Glenn Hauser, Enid OK	
KSEW-	Salinas CA	215	Russell Cain, Reno NV	
KFMB-	San Diego CA	885	Albert Brant, Salem OR	
KTSC	Pueblo CO	35	Stu Grade, Cañon City CO	
WNHC-	New Haven CT	450	Carlton Howington, Uniontown OH	was ch 6
WFLA-	Tampa FL	990	Pat Dyer, San Antonio TX	
WGTV	Athens GA	255	David Cox, Carrollton AL	
WXGA-	Waycross GA	370	Dick Clark, Fort Lauderdale FL	
KIFI-	Idaho Falls ID	165	Elwood Walter, Roy UT	
WSIU-	Carbondale IL	450	Bill Draeb, Kewaunee WI	
WQAD-	Moline IL	550	Mike Tilbrook, Pittsburgh PA	
WISH-	Indianapolis IN	775	Don Ruland, Holly Hill FL	
KRNT-	Des Moines IA	725	Robert Seybold, Fredonia NY	
KPTS	Hutchinson KS	200	Marv Garber, Lincoln NE	
KOMC	Oberlin KS	690	David Janowiak, Milwaukee WI	
KNOE-	Monroe LA	870	Steve Weinstein, Pittsburgh PA	
WYES-	New Orleans LA	845	Carl Dabelstein, Omaha NE	now WVUE
WAGM-	Presque Isle ME	590	Richard Nieman, Buffalo NY	
WOOD-	Grand Rapids MI	655	Ed Rugel, Independence KS	was ch 7; WLAV

KOMU-	Columbia MO	485	Roger Brown, East Lansing MI	
KGHL-	Billings MT	690	Carl Dabelstein, Omaha NE	now KULR
KHQL-	Albion NE	485	Fred McCormack, Des Lacs ND	
KOLO-	Reno NV	210	Eric Norberg, Carmel CA	
WMTW-	Mount Washington NH	390	Richard Nieman, Buffalo NY	
KSWs-	Roswell NM	1510	Arnoldo Coro, Marianao Cuba	
WROC-	Rochester NY	505	Bill Draeb, Kewaunee WI	was ch 5
WHEN-	Syracuse NY	575	Bill Draeb, Kewaunee WI	now ch 5
WGHP-	High Point NC	665	Dick Clark, Fort Lauderdale FL	
WDAZ-	Devils Lake ND	395	Stu Grade, Sioux City IA	
KUMV-	Williston ND	160	Bernard Koenig, Regina Sask	
			tie David Kanaar, Regina Sask	
WJW-	Cleveland OH	775	Bedford Brown, Hot Springs AR	was ch 9; WXEL
KTVX	Muskogee OK	255	Startzman, Bennington KS	now off
KSWB	Elk City OK	105	Glenn Hauser, Enid OK	now off
KFDQ-	Sayre OK	125	Glenn Hauser, Enid OK	
KTUL-	Tulsa OK	720	Bill Draeb, Kewaunee WI	
KGW-	Portland OR	240	Eddie Albright & Charles Wood, Mt Ashland OR	
WGAL-	Lancaster PA	615	Dave Janowiak, Milwaukee WI	
W08AG	Uniontown PA	115	Carlton Howington, Uniontown OH	of WIIC-11
WBTW	Florence SC	715	Ray Foster, Monroe LA	now ch 13
KESD-	Brookings SD	355	Fred McCormack, Des Lacs ND	
WSIX-	Nashville TN	1215	Enrique Veazey F., Ciudad del Carmen México	
WFAA-	Dallas TX	1205	King Schafer, Kenmore NY	
KUHT	Houston TX	775	Enrique Veazey F., Ciudad del Carmen México	
KGNS-	Laredo TX	595	Ron Le Blanc, Marrero LA	
KCTV	San Angelo TX	370	Glenn Hauser, Enid OK	
WXEX-	Petersburg VA	600	Don Ruland, Holly Hill FL	
WCMS-	Charleston WV	670	Bedford Brown, Hot Springs AR	
WKBT	La Crosse WI	670	Robert Cooper, Oklahoma City OK	
WDSE-	Superior WI	125	Larry Addison, Fridley MN	
CHAN-	Burnaby BC	120	Elwood Walter, Seattle WA	
CKSS-	Baldy Mountain Man	220	Fred McCormack, Des Lacs ND	of CKOS-3
GJSS-	Cornwall Ont	205	Jim Pizzi, Rochester NY	
CKVR-2	Huntsville Ont	15	Morris Sorensen, Emsdale Ont	
"CBWAT"	Kenora Ont	345	Fred McCormack, Des Lacs ND	
CKNX-	Wingham Ont	340	Dave Janowiak, Milwaukee WI	
CFQC-	Saskatoon Sask	140	Jim Dillon, Regina Sask	
			tie David Kanaar, Regina Sask	
CMLR-	Holguin Cuba	450	Dick Clark, Fort Lauderdale FL	
CMRA-	Santa Clara Cuba	850	Ed Bourgeois, Norco LA	
XHAH-	Las Lajas Ver	680	Jack Keene, Houston TX	of XEW-2
WSVI	Christiansted VI	5	Robert Cooper, Frederiksted VI	
K08FL	Santa Barbara CA	0	Dennis Smith, Santa Barbara CA	of KEYT-3
K08DQ	Shelby MT	0	Dennis Smith, mobile	of KRTV-3
K08EC	Springer NM	0	Glenn Hauser, Springer NM	of KOB-4
CFCN-2	Banff Alta	0	Bill Heusmann, Banff Alta	

ADDITIONS AND REVISIONS

2	KWGN-	Denver CO	MS	1085	Ron Le Blanc, Marrero LA	Johnson 995
	WMAB	State College MS	(Es)	985	Paul Luchter, Oceanside LINY	new
			Tr	60	David Cox, Carrollton AL	new
	WUND-	Columbia NC		1295	Glen Neal, Sayre OK	Hauser 1185
	CFCL-2	Kearns Ont	Tr	365	Robert Seybold, Dunkirk NY	new
	CKCO-1	Warton Ont		665	Joe Kureth, Southern Pines NC	new
			Tr	135	Roger Brown, Saint Thomas Ont	new
3	XHJMA-	Parral Chih		675	Glen Neal, Sayre OK	new
	XEFB-	Monterrey NL	Tr	970	Dave Pomeroy, Overland Park KS	Le Blanc 690
	(YVVK-	Barcelona Venezuela		2735	Robert Cooper, Oklahoma City OK	Pizzi 2390)
	(YVVE-	Barquisimeto Venezuela		2520	(alternate possibility; synchronized)	Pizzi 2325)

4	WTVJ	Miami FL	MS	1220	Robert Cooper, Oklahoma City OK	Hidley 1175
	WTVY	Dothan AL	MS	830	David Janowiak, Milwaukee WI	Dobbins 790
	KXLF-	Butte MT	MS	550	Pat Dyer, Gunbarrel Hill CO	McCormack 535
	KXJB-	Valley City ND	Tr	315	Stu Grade, Sioux City IA	McCormack 200
5	KSD-	Saint Louis MO	Tr	595	Ron Le Blanc, Marrero LA	Howington 495
	KOBI	Medford OR		1325	Glen Neal, Sayre OK	C. McCormack 1110
6	KTVM	Butte MT		1050	Robert Cooper, Oklahoma City OK	Neal 990
	WJAC-	Johnstown PA		1370	Pat Dyer, Gunbarrel Hill CO	Hauser 1050
	WPVI	Philadelphia PA		1360	Glen Neal, Sayre OK	Hauser 1240
	CHEK-	Victoria BC		1065	Pat Dyer, Gunbarrel Hill CO	new
8	KTSC	Pueblo CO	(Gw)	35	Stu Grade, Cañon City CO	new
	WDAZ-	Devils Lake ND	(Tr)	395	Stu Grade, Sioux City IA	McCormack 230
10	WAVY-	Portsmouth VA		785	Bill Draeb, Kewaunee WI	Ruland 590
14	KCSM-	San Mateo CA		115	Robert Cooper, Placerville CA	Miltier 30
15	WTAP-	Parkersburg WV (OH)		280	Roger Brown, East Lansing MI	Nieman TIE
	WHRO-	Hampton VA		435	Roy Barstow, Teaticket MA	Ashworth 430
21	WLIW	Garden City NY		170	Roy Barstow, Teaticket MA	Grant 150
	WXXI	Rochester NY		500	Bill Draeb, Kewaunee WI	Brown 345
26	KVRL-	Houston TX		180	Glenn Hauser, South San Antonio TX	new
27	WYAH-	Portsmouth VA		595	Roger Brown, East Lansing MI	Friese 325
28	WCPB	Salisbury MD		345	Roy Barstow, Teaticket MA	Pulice 170
29	WKSO	Somerset KY		720	Robert Cooper, Oklahoma City OK	Draeb 530
	WUTV	Buffalo NY		440	Bill Draeb, Kewaunee WI	Brown 275
36	KGSC-	San José CA		190	Jim Pizzi, Orcutt CA	Smith 40
39	WUNJ-	Wilmington NC		100	Joe Kureth, Southern Pines NC	new
41	WDRB	Louisville KY (IN)		670	Robert Cooper, Oklahoma City OK	Seybold 445
46	WHAE	Atlanta GA		105	Roy Horsley, Steele AL	new
	KNCT-	Belton TX		575	Dave Pomeroy, Overland Park KS	Le Blanc 445
47	WTVP	Peoria IL		295	Roger Brown, East Lansing MI	new
52	WNJT	Trenton NJ		235	Roy Barstow, Teaticket MA	Vogt 160
53	WKGB	Bowling Green KY		620	Robert Cooper, Oklahoma City OK	Hidley 365
57	W57AA	New York NY		20	Paul Luchter, Oceanside NY	WNBC-4 new
64	W64AA	New York NY		20	Paul Luchter, Oceanside NY	WNEW-5 new
66	K66AB	Perryton TX		100	Glen Neal, Sayre OK	KGNC-4 new
68	K68AD	Perryton TX		100	Glen Neal, Sayre OK	KVII-7 new
70	K70DA	Childress TX		70	Glen Neal, Sayre OK	KFDX-3 new
72	K72BZ	Childress TX		70	Glen Neal, Sayre OK	KSWO-7 new
	K72CD	Clarendon TX		75	Glen Neal, Sayre OK	KVII-7 new
	K72BD	Miami TX		60	Glen Neal, Sayre OK	KGNC-4 new
74	K74CH	Childress TX		70	Glen Neal, Sayre OK	KFDA-10 new
77	K77AQ	Memphis TX		65	Glen Neal, Sayre OK	KVII-7 new
78	K78BI	Darrouzett TX		85	Glen Neal, Sayre OK	KGNC-4 new

CHANNEL 20 TVDX RECORDS

WCOV-	Montgomery AL	680	Ken Stryker, Northbrook IL	
KEMO-	San Francisco CA	235	Dennis Smith, Sequoia Crest CA	
WATR-	Waterbury CT	365	Dennis Smith, Little Creek VA	
WBBH-	Fort Myers FL	570	Ron Le Blanc, Marrero LA	
WCJB	Gainesville FL	465	Ron Le Blanc, Marrero LA	
WCES-	Wrens GA	510	Dick Clark, Fort Lauderdale FL	
WXXW	Chicago IL	430	Mark Lewis, Downsview Ont	
WICS	Springfield IL	835	Fred McCormack, Des Lacs ND	
WFYI	Indianapolis IN	395	Robert Seybold, Dunkirk NY	
WJMR-	New Orleans LA	435	Rich Lowry, Temple TX	now off
WDCA-	Washington DC (MD)	655	Bill Draeb, Kewaunee WI	
WJMY	Allen Park MI	265	Bill Draeb, Kewaunee WI	now off
WPAG-	Ann Arbor MI	415	Don Voegele, Lancaster PA	now off
WUTR	Utica NY	405	Harold Cooper, Westland MI	
WOUB-	Athens OH	320	Morrie Goldman, Chicago IL	

...until the next, 73 de Glenn