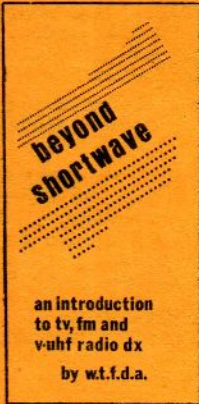


VHF-UHF DIGEST

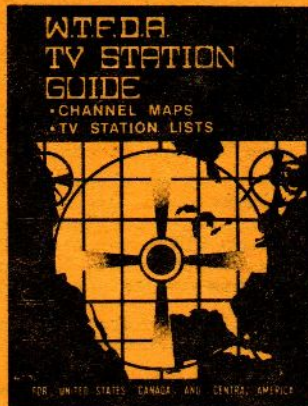
the official publication of the Worldwide TV-FM DX Association

SEPTEMBER 1976

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publishers' notes...

WTFDA HEADQUARTERS, P.O. BOX 163, DEERFIELD, IL 60015 USA

CONVENTION '76... Complete details and photos of WTFDA's best convention ever begin on page 29. Incidentally, we're now accepting bids for the 1977 convention site---see page 59 for full details.

COVER STORY... One of the first actions by the new Board of Directors appointed at the Convention was to lower the already reasonable prices on WTFDA literature, as noted on this month's front cover. See our back cover for complete descriptions of these items. If you do not yet own these publications, here's your chance for a real deal!

REPRINT SERVICE... Nearly all of the initial RS orders, amounting to over 500 pages of material, have been processed and are included in individual VUDs this month. More recent orders and a few extremely large ones will take additional time to process and will be mailed shortly. Note: when placing orders, please use the blue form provided in the back of the RS catalogue. This makes fulfillment of your order quicker and simpler for all.

WTFDA MEMBER SURVEY... We will not present, or even tabulate, results of our third survey until at least a majority of WTFDAers have sent in their questionnaires. As of this writing, nearly 50 are needed, so mail yours immediately if you haven't already done so! If you've misplaced your card, another is available from Clarke Ingram.

OUT OF SYNC... In last month's article by Pete Oprisko, the material on pages 35 and 36 was accidentally reversed by our printer. Apologies for any inconvenience this may have caused.

BITS... In an effort to keep this issue to a reasonable size, several columns (none exceeding one page) do not appear this month. We'd like to continue publishing giant issues, but expense does not permit, although WTFDA is in excellent financial condition. If you'd like to see larger VUD's, help us by recruiting new members! Some thoughts on this matter can be found in John Zondlo's MAILBOX column (page 3).

73, Clarke Ingram for Pete Oprisko, John Zondlo, and Mike Hogan

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WTFDA MAILBOX

John Zondlo
6617 Maryland
Hammond, IN 46323
Deadline: 15th

Greetings. Quite a few new members and renewals, but little in the way of Tidbits. Such is life, hi.....

Ronald Ginardi	306 N. Cayuga	Frontenac, KS 66762
Les Goins	Box 3837	Shreveport, LA 71103
John S. Phillips	4459 Downing Court	Pleasanton, CA 94566
R. Rikoski	2124 W. 116th St.	Chicago, IL 60643
Mark Robinson	Box 38068	Cincinnati, OH 45238
John Wierhasz	106 Genevieve St.	Mauston, WI 53948

Rejoin: Brent Manuel-Box 71-Chataignier, LA 70524
Glen R. Neal-1005 N. 5th St.-Sayre, OK 73662
W.T. Ryan-651 Battery St.-Victoria, British Columbia, Canada
Jeff Smith-Box 140-Liberty, MO 64068

Renew: Randall Clark, Robert Colyard, Al Ellis, Paul Gaines, Vic Melis, John Parillo, Walter Patton, Cyril Schauer, Paul Wardell, Robert Williams, Steven Wiseblood.

Address Change: B.W. Battin-410 Robbins Drive-Rapid City, SD 57701
Joe E. Bradley-23B Bowen Drive-Americus, GA 31709
Vic Melis-150 Saylor's Mill Road, R.D. #1-Spring City, PA 19475
Kurt Nelson-127 Elm Ave., 2nd Floor-Rockledge, PA 19111

RONALD GINARDI is a 28 year old technician whose primary DX interests are TV and FM. His DX gear includes a Sansui 800, Finco FM-5, Channel Master 7059 and 7251, Philco B-341 UBK TV, Finco CSV10 4 bay bowtie, CDE AR 30.

New member Les Goins is a ham.....in fact, he has the amateur extra call K5PKV.

It may take a while to introduce JOHN PHILLIPS, but here goes. He's a 29 year old sales rep/MATV installer. His DXing equipment is plentiful: 1975 Zenith 25' Chromacolor/Gold Video Guard tuner, Channel Master super color crossfire VHF antenna with Channel Master 5040B preamp. CM Diamond Quantum UHF antenna with CM 0071B preamp, Belden 9248 low-loss CATV coax, CDE AR-40 rotor, separate UHF/VHF TV set-mounted CM 0035B baluns, antenna array 60' above ground.

TV DX when bands are down? Well, that's the present DX interest of R. RIKOSKI. One of many engineers in WTFDA, his shack features a JFD LDV TV190 log periodic VHF antenna, a Finco 7' parabolic, a 16 element channel 50 yagi, and low noise UHF amplifiers and tuner of his own design.

Also going by the calls KBS-4669, JOHN WIERHASZ uses a Philco 19' TV with a Winegard VHF antenna and a 4 bowtie UHF antenna.

Tidbits.....

Really want to help WTFDA? Bring in some new members! It's not as difficult as it sounds. Be sure to mention the club when a conversation drifts onto the topic of hobbies. Seek publicity for yourself and the club in local newspapers and radio stations. And try visiting your local FM and TV stations and go thru their files of reception reports. If you come across a person who's not a member, drop him or her a line and introduce them to the club. If you'd like brochures to carry with you to introduce people to the club, let us at HQ know. We'll be happy to send them to you if you can really use them. Try including them with your reception reports. That way, we can let more station engineers in on our fantastic hobby.

Enjoyed meeting many of you at the Chicago convention. Morrie Goldman did an excellent job of hosting it. I'm looking forward to visiting the hill next year, hi.

Well, reckon that's it for this month. See you in October!!!.....jz

NEW STATIONS GRANTED

AZ Willcox 98.3 3000 h,v; 57° 10, 39 km primary and secondary coverage, respectively as calculated from the new FCC F(50,50) curves for predicting FM coverage. CO Cortez K292AD 106.3, m, 10w, [KRWN 92.9 Farmington NM translator] A CO Lamar 93.3, m, 100000 h,v; 230'; 45, 116 km coverages.
CO Rangely-Dinosaur K272AJ 102.3, m, KREX-FM 92.3 Grand Junction CO translator; 10 w, DA, 0 and 110 degrees.
FL Key West 107.1 2000 h,v; 96° 8, 30 mi
GA Canilla 105.5 3000 h,v; 300' (revival of previous grant)
IL Chillicothe 94.3 3000 h,v; 300'
IL Merton 102.3 3000 h,v; 300' 15, 46 mi
IN Kokomo *89.1 10
KY Liberty 105.5 3000 h,v; 205' 12, 40 mi
LA Bayou Vista 95.3 3000 h,v; 300' km
LA Leesville 105.5 3000 h,v; 300' 24, 74/
MD Lexington Park 97.7 [replaces previous grant for the channel to Leonardtown; delete Leonardtown 97.7]; power, height of new Lexington Park grant not known
MI Ironwood W265AB 100.9, g, 1 w omni [WWIB 103.7 Ladysmith WI translator] UPI
MS Ripley 102.3 3000 h,v; 300'
MO Poplar Bluff 95.5 100000 h,v; 423'
MT Boulder K292AV 106.3, k, 1 w DA, 175 and 245 degrees, CBS [KCAP-FM 103.1 Helena MT translator]
NE Superior 103.9 500 h,v; 59'; 4, 17 mi
NV Searchlight K280AM 103.9, m [KORK-FM 97.1 Las Vegas NV translator]. NV Searchlight K292AW 106.3, r [KFMS 101.9 Las Vegas NV] ABC; both of above 1 w, DA, 145 and 215 degrees.
NC Chapel Hill *89.3 400 h,v; 280' 9, 32 miles; U of NC Student Government
NC Fuquay-Varina (formerly "Fuquay [miles Springs]") 103.9 2100 h,v; 350' \$, 14,46/
SC Lake City W6FG-FM 100.1 3000 h,v; 196' sk; 12, 40 miles
TN Germantown (near Memphis) 94.3 3000 h,v; 300' 15, 46 miles
TX Center 102.3 3000 h,v; 300' mk
TX Marlin 96.7 1250 h,v; 200' 9, 35 mi; kr
UT Kanab K265AD 100.9, p [KBRE-FM 94.9 Cedar City UT translator] ABC-FM; 10 w, directional antenna, 220 degrees.
VA Virginia Beach 94.9 [Final decision in long hearing going back to 1970, so I do not have information on the power, height of this new grant, and the FCC in its infinite stupidity does not release such information in announcing the decision; I'll have to check with FCC on the technical parameters of this grant].
WV Huntington *89.9 8000 h,v; 1200', 53, 116 km; WV Educational Broadcasting
WA Walla Walla 93.3 28000h, 12000v; -130' m
WY Sheridan 94.9 25000 h,v; 44' 10, 40 mi

ON AIR AND DX READY!
CA China Lake K224AF 92.7, r [KLOS 95.5 Los Angeles CA] A. Next 3 also ChinaLake:

K261AC 100.1, m [KOTE 106.3 Lancaster CA translator], UPI Audio affiliate
K288AX 105.5, m [KOST 103.5 Los Angeles]
K296AI 107.1, c [KFAC-FM 92.3 " " "
IA Pella KPLL 103.3 100000 (horizontal only); 370'; 53, 122 kilometers [\$, g;
MD Williamsport WCRH *90.5 7500 h,v; 27'
MS Brookhaven WMRD-FM *92.1 3000 h,v; 286'; TX Lutkin KLUF-FM 105.1 57000 h,v; 660'; UT Logan KVMJ 94.5 25000; -980'
WV Salem WITB-FM *91.1 10 watts

ON AIR WITH CHANGES (SELECTED)

CA El Centro KXO-FM 107.5 (from 98.5), 25000 h,v; 155'
GA Athens WNGC 95.5 100000 h,v; 650'
ID Jerome KFMA 102.9 (from 92.7) 100000 h,v; 760'; 41, 86 miles (on FM Atlas maps calls erroneously given as "KART")
IL Chicago WNIB 97.1 850 h,v; 1190' 20, 56 mi (transmitter on Standard Oil [ing. Building]; no SCA heard, drop SCA list-
IL Normal WGLT *89.1 2300 h,v; 140'; \$
IA Charles City KCHA-FM 95.9 (from 104.9)
KY Hazard WSGS 101.1 100000 h,v; 1140'
LA New Orleans WTUL *91.5 1500 h,v; 160'
MA Amherst WAMH *89.3 150; 720' 11, 38 mi
MO Butler KMGE 92.1 (from 105.5) 3000 h, v; 150' above average terrain
OH Youngstown WKBN-FM 98.9 4500 h,v; 1370'
NY Oswego WRVO *89.9 24000 h,v; 430', 27, 66 mi, with car radio reception checking it out very good at 66 miles +.
TX Fort Worth KPLX 99.5 1680' (100000h,v)

DUAL-CITY IDENTIFICATIONS GRANTED

AR Hope KHPA 104.9 adds Prescott AR
MI Dearborn WNIC-FM 100.3 adds Detroit
TX Fort Worth KPLX 99.5 adds Dallas TX

DELETION

CA Pasadena KROQ-FM 106.7 (reverts to application status; station off the air; is trying to revive its license through the courts)

STEREO STATIONS (\$)

[presumed] AL Andalusia WQHQ 98.1 "Hit Parade" (\$/
CO Pueblo KPUB-FM 99.9, 1
FL Panama City WKGC *90.7, c
KY Hodgenville WLCB-FM 106.3; KY Louis-ville *90.5 (new) c; WFPK *91.9.
KY Pikeville WDHR 92.1, k
KY Winchester WKDJ 100.1 k (was rack)
MI Cadillac WITW 96.7, m
MI Zeeland WZND 99.3; MC Clayton KWUR NM Farmington KRWN 92.9 *90.3
NY Potsdam WSNN 99.3, "Stereo 99."
NY Rochester WVOR 100.5
NC High Point WGLD-FM 100.3, m
OH Upper Sandusky WYAN 95.9
TX Dallas KODA-FM 104.5, believed to have quit stereo
TX Lampasas KLTD 99.3
VA Petersburg WPVA-FM 95.3
WV Wheeling WKWK-FM 97.3, m
WI Mauston WRJC-FM 92.1, mk
MI Clare WCRM-FM (was WCRM-FM) also believed to have dropped stereo; 95.3.

SCA (67 kHz) Activities

CA Gilroy KFAT 94.5 uses SCA for private telephone calls; changes to 1150 h,v (2580'), 32, 74 miles. [Net.
CO Denver KXXX 95.7 Physicians Radio/
CO Lakewood KLAK-FM 107.5 music
GA Waynesboro WNGA 100.9 adds SCA
ID Boise KBOI-FM 97.9 talking book (was music); IL Chicago WFYR 103.5 remove SCA listing (was Muzak)
IL Crest Hill WCCQ 98.3 ABC
KS Wichita KICT 95.1 adds SCA
KY Paducah WPAJ-FM 96.9, m
IN Angela WLKI 100.1, SCA same as main carrier, m (talk-music)
IN Fort Wayne WPTH 95.1; remove listing
IN Muncie WBST *90.7 " "
IN South Bend WIME 103.1 music (identical to the SCA on WWJY 101.5)
MA Framingham WVBV 105.7 said to drop SCA by October
MI Cheboygan WCBY-FM 105.1 ABC
MI East Lansing WFMK 99.1 ABC
MI Iron Mountain WJNR 103.9 music
NY Buffalo WBFO *88.7 drops SCA
PA Harrisburg WMSP 94.9 adds SCA
PA Philadelphia WRCP-FM 104.5 adds SCA
TN Memphis WSMN *91.7 adds SCA (10 w)
VT Burlington WRUV *90.1 adds SCA
VA Fredericksburg WFLS-FM 93.3 music
VA Norfolk WQRK 104.5 adds SCA
VA Yorktown WYVA 94.1 adds SCA
WI Fort Atkinson WFAW-FM no SCA heard; drop SCA listing

FACILITIES

CA Los Angeles KPOL-FM 93.9 49000 h,v; 720'; 37, 78 miles; transmitter to Beverly Hills CA
CA San Fernando KVFM 94.3 -180' (reduces height; 3000 h,v)
CO Glenwood Springs K292AS from 106.3 to 100.1; calls to K261AI (KQIX 93.1 translator). FL Pensacola WJLQ 100.7 100000 h,v; 500', 37, 80 miles
FL St. Petersburg WWBA-FM 107.3 620' (100000 h,v) 39, 83 miles
MD Baltimore WPOC 93.1 16000 h,v; 860'
MA Newton WZBC *90.3 has vertical
MN Window KDOM-FM 94.3 2850 h,v; 310'
OH Berea WBWC *88.3 1450 (h); 59'; \$, r
OH Columbus WOSU-FM *89.7 adds Delby
OK Edmond KWHP 97.7 " "
VA Abingdon WBB1-FM 92.7 adds v.
WI West Bend WBKV-FM 92.5 20000 h,v (500'); reduces power; quits using directional antenna; claims better resultant coverage to Milwaukee.

FORMATS/NETWORKS

AZ Flagstaff KFLG 92.9 m (from mk); \$
CA South Lake Tahoe KRLL 100.1 m
CO Canon City KRLN-FM 103.9 k (was nr)
CO Greeley KFZK 96.1 g or gm; no SCA
CO Vail KVMT 104.7 m; E; CT Brookfield WINE-FM rock (from m)
CT Westport WDJF 107.9 jazz, rock

CT Hartford WTIC-FM 96.5 mc (from c); classical after 6:15 p. m. daily
 FL Fort Pierce WLOY 98.7 rock (from m)
 GA Vidalia WTCQ 97.7 r
 IL Aurora WKKD 95.9 UPI Audie
 IL Chicago WDAI 94.7 rp
 IL Dixon WIXN-FM 101.7 mk
 IL Normal W1HN 96.7 m (from r)
 IN Crawfordsville WNDY 106.3 commercial (was noncommercial; remove [*])
 IN Linton WBTO-FM 93.5 r (from k)
 IN Madison WORX-FM 96.7 nr
 IN Elkhart WXAX 104.7 gospel (from m)
 IN Elwood WBMP 101.7 r (from country)
 IN Greensburg WTRF-FM 107.3 m (from kr)
 IN Indianapolis WIFE-FM 107.9 m (from k)
 IN Plymouth WTCM-FM 94.3 mk; no stereo heard; stereo dropped? [CBS
 IN South Bend WWJY 101.5 m (from nr); no
 IN Terre Haute WBOG 107.5 m (from nr)
 IN Vevay WMGH 95.9 k (from rock)
 KY Louisville WNSN 97.5 no CBS; has occasional Mutual features, but basically NBC's NIS network service.
 LA Franklin KFRA-FM 105.5 rs (no stereo)
 ME Bangor WHSN *89.3 p-rock
 ME Caribou WFST-FM k simulcast (was m) \$2
 ME Presque Isle WUPI *91.1 prog. rock
 ME Sanford WSME-FM 92.1 m (from rock)
 MD Princess Anne WOLC 102.5 gospel
 MA Springfield WNAS-FM 94.7 m (not nr)
 MI Alpena WHSB 107.7 l (from U)
 MI Big Rapids WBRN-FM 100.9 r (from nr)
 MI Birmingham WJJC 94.7 rm (from r)
 MI Detroit WRIF 101.1 rp
 MI Ishpeming WJPD-FM 92.3 nr (from k)
 MI Spring Arbor WSAE *89.3 mg
 MI Whitehall WLRQ 95.3 Y (*Super Q), r
 MN Rochester KRPR *89.3 r (s-off 10 pm)
 NE Holdrege KUVR-FM 97.7 m (from k)
 NH Peterborough WSLE 92.1 mc (drops NIS)

NH Plymouth WPNH-FM 100.1 mk
 NM Hobbs KSCR 95.7 k (from m)
 OH Bellaire WOMP-FM 100.5 r (from rm)
 OH Chillicothe WBEX-FM 93.3 r (from k)
 OH Cincinnati WVXU *91.7 rock
 OH Greenville WGOV *91.7 rock
 OH Hamilton WHSS *89.5 rock
 OH Middleport WMPD-FM 92.1 km
 OH Toledo WKLR 99.9 soul (from rock)
 OR Portland KOIN-FM 101.1 rock (from mc)
 OR Portland KINK 101.9 progressive rock
 PA Pittsburgh WEEP-FM 107.9 k (from talk)
 PA Reading WXAC *91.3 UPI Audie
 TX Arlington KJUS 94.9 gospel (from rock)
 TX Austin KLBJ-FM 93.7 progressive rock
 TX Austin KHFI 98.3 rock (from m)
 TX Beaumont KTEL 95.1 m (from gk)
 TX Borger KBBB-FM 104.3 gk
 TX Brownwood KLSN 99.3 m (from k)
 TX Dallas KCHU *90.9 gjc; their August program guide has a reception report in it from Peter Sawatzky, Waterloo, Ont.
 TX Gainesville KGAF-FM 94.5 rm
 TX Jacksonville KODI 106.5 m (from k)
 TX Lubbock KSEL-FM 93.7 k (from p-rock)
 TX Lubbock KWGO 99.5, Spanish, Latin
 TX Mineral Wells KMWI 95.9 km
 TX Nacogdoches KSFA-FM 92.1 p; KJCS 103.3 country (was middle of the road; m)
 TX San Antonio KISS 99.5 nr; KEXL 104.5 p
 TX San Marcos KCSW 103.7 p-rock (was KRMH)
 TX Wichita Falls KBID 92.9 rock (was m)
 VA Winchester WEPG 102.5 gospel (was rock)
 WA Bellingham KERI 104.3 k (from r)
 WA Seattle KYAC-FM jazz-soul, 96.5
 WA Tacoma KLAY 106.1 p-rock
 WI Fond du Lac WFOG 107.1 drops Mutual
 WI Milwaukee WZUJ-FM 95.7 drops E; says they are affiliated with ABC-Contemporary "but carries no ABC programs," probably just the commercials; drop net. listing.

Several Canada facilities and program changes; check Canada column for these. Also check the "Canada update" sheet with your FM Atlas for many of these. MEXICO Guadalajara, Jal. XHSC 93.9 m Monterrey XHJD 98.9, English; m (was r) Puebla XHZM 92.5 rm Saltillo XHRP 94.7 rL

CALL LETTERS ASSIGNED OR CHANGED

AZ Prescott 98.3 KNOT-FM
 CO Alamosa 93.5 KALO-FM (KGIV-FM)
 CO Greeley 96.1 KFKZ (KFKA-FM); \$, g
 CO Montrose 94.1 KUBC-FM
 CO Steamboat Springs 96.7 KBGR-FM (KBGR)
 FL Marianna 100.9 WJAQ (WTOT-FM) ---
 FL Tallahassee *90.5 WAME TX Sonora
 IL Belleville *89.7 WBCE TX Sonora
 IN Batesville 103.9 WRBI TX (KVRN-FM)
 IN Richmond 101.3 WRJA (WKBY-FM)
 KY Hopkinsville 100.3 WKSD (WKOF)
 MD Hagerstown 106.9 WWCS (WARK-FM)
 MI Escanaba 97.1 WKZY W Buck-
 MN Cottage Grove *88.1 WSWC hamon
 MN Eveleth 100.1 WVLA *88.9
 MT Missoula 93.3 KDXT WVPW (was
 NM Albuquerque *88.3 KLYT WVVC)
 NY Cortland *90.7 WSUC-FM ---
 NY Rochester 92.5 WNKZ (WBFB), NIS
 NC Salisbury *91.1 WNDN-FM WI Beaver
 OH Akron 96.5 WKDD (WCUE-FM) Dam 95.3
 OH Kettering *88.3 WCXL WXRO (was
 OR Portland 97.1 KPAM-FM (KPAM) WBEV-
 PA Sharpshill 95.9 WFAF-FM IFM \$;
 PA Warminster *89.3 WCSO-FM Ik; from
 SC Rock Hill *88.9 WVPR In)
 TX Alice 92.1 KOPY-FM (KOSE) WY River-
 TX Amarillo 94.1 KBUY-FM *ton 93.5
 TX Ballinger 103.1 KCWB I KTAK
 TX Beaumont 95.1 KTEL (KTRM-FM) VI Char-
 TX Kilgore 95.9 KKTX (KCNW) Iotte Ama-
 TX Ozona 94.3 KRCT Tie 101.1 WCRN

MEMBERS' REPORTS AND FM INDUSTRY NEWS

The best WFDAs convention ever is now history, and I thank most of the fine club members there who helped supply new FM station information, by going through the computer list, and for buying the just-published fourth edition of the FM Atlas in record numbers. I believe most people looking at the book thought it to be somewhat improved over its predecessors. And, of course, a large quantity of the books is available from either of my addresses (Adolph, or 18 1/2 E. Fifth Street, Duluth MN 55805), or from the club (see back cover of the VUD). \$2.95 book rate; or \$3.50 first class.

Perhaps vindicating my stand, the FCC announces it is switching over to metric measurements, involving a "gradual, two-stage conversion," with metric units appearing with U.S. units for a while. Meanwhile, one WFDAs reader strongly supports my use of metrics, with another adopting a more moderate stand, suggesting its use be held off until metric units are in more general use. I'll probably expand the use of metrics steadily, without abruptly changing entirely to that system. Surprisingly, some of the most outspoken critics of my use of metrics have been technicians who should already be among society's most conversant persons with the metric system.

WCRY-FM 107.9 Macon GA has the Georgia Network on its 67 kHz SCA. The GA Network broadcasts a variety of items,

and as filler, it often retransmits the weather service station at Atlanta's Hartsfield International Airport, answering my question in the August VUD, col. 3, p. 5.

WHRB *91.7 Boynton Beach FL has gotten the funds to go 50 kw stereo, but wants to move to 90.7, to escape WWRN 92.1 interference; however, the pascomb memorial application in West Palm Beach for *90.9 is stopping them; FCC adjudicating.

North Pole AK's new FM station is being delayed (100.3). Somebody stole their antenna tower from "Ester Dome," about 600 meters above the valley floor, and about 15 km NW of Fairbanks. KJNP's FM to have 25 kw at 600-700 meters HAAT, and they expect to reach out as far north as "Fort Yukon."

KLAY 106.1 Tacoma calls self "music for the mind; K-106," easily receivable in B.C., even though KLYN 106.5 Lyndon WA has increased to 100 kw. Local CFRO 102.7 Vancouver back on the air after a month holiday. Strange, but every year one of their license conditions is for a month holiday (off the air). Two reporters noted that CJAT-FM 106.7 Trail BC is now a more CBC AM repeater, having given up stereo, and either not identifying as CJAT-FM, or not identifying as anything at all. Shocking! KERI 104.3 Bellingham WA usually identifies as "K-104, Great American Country." The CRIC announces a policy of allowing low-power repeater stations to be FM, relaying low-fi AM.

One kind reporter pointed out an error, p. 5, March VUD in which I had KOSE [calls subsequently changed to KOPY-FM] on both 92.1 (correct) and 102.3. The Alice TX station on 102.3 is, or will be, KBIC. KOPY-FM is in Alice TX. The transmitter of WPCS *89.3 Pensacola FL is at Robertsdale AL.

Normally, I do not put comments about this column or my publication in this space, but a surplus of available space permits such this month. Here's what Mike Dorner, Metairie LA, says:

"I looked forward to receiving the new edition of your Atlas and, I am happy to say, was not disappointed. . . It combined the thoroughness of last year's edition with the easy typography of earlier editions. I am glad that you got rid of the computer-print-outs—they were extremely hard to read—all I saw were little boxes instead of letters and numbers. The introductory essay was superb, again (each year it gets better, and what's more, you are wise to change it to make it timely). The idea of listing the educational licensee of 10-watt stations is excellent—perhaps with time this can be extended to all non-commercial stations. (My reasoning is this: it doesn't mean anything to 99.9% of the people that Covenant Broadcasting of Louisiana, Inc., owns WQUE; it means much more that WTUL is owned by Tulane University.) Perhaps you could expand the columnar width of the 88-92 MHz section to make room for educational information as this."

Mike sent along a copy of the Federal Register giving an extensive discussion showing the carping between two applicants for 106.3 in the resort town of Fort Valley GA—Rocket Radio and the Apostolic Council of Churches. The machinations there look more like the "never-land of prime-time TV."

Some other observations from Mike's letter: KCHU *90.9 Dallas TX shuts off stereo during monaural programs. WKGC-FM *90.7 Panama City FL id's as "stereo 90.7," on 7 am to 1 am, with NPR coming soon as net lines are tied in. KETR *88.9 in Commerce TX on a 6 am to midnight schedule; XEW-FM 96.9 Mexico City noted with rock and a live announcer. KFRA-FM Franklin LA now operating on its new 105.5 MHz; still mono, rock and soul.

"A recent item in Variety noted that American Samoa now has a commercial stereo FM operation, WSZE-FM, operating separately from its sister WSZE (AM). Correction: not American Samoa, but Micronesia, in Saipan. You'll find another series of WSZ-stations and a KJQR licensed to the High Commissioner of the islands, but all of these are noncommercial. I believe the hours were 9 am to 11 pm for the FM, but no frequency was given. This appeared in the radio-TV section of Variety about the third week of July.

"WHJT 93.5 Clinton MS is a commercial operations. . . Also, WNDY 106.3 Crawfordsville IN is also commercial, though at one time it was not. When a number of proposed Indiana channel allocation changes were made recently, it was suggested that WNDY be assigned an educational channel; WNDY replied that it needed the funds from revenue to help defray station costs, and it wished to give students experience in commercial radio, which is what most of them will work in. The FCC printed these comments in the Federal Register, and decided against the proposal.

*Notes on applications found in the Atlas:

AL Mobile 96.1 is a strike application against WLPR, still on the air. CA Millbrae 105.9 is an error, for this would conflict with San Francisco 106.1 and San Jose 105.7. Pacific Grove 104.9 is a strike application, as is San Jose 100.3. Van Nuys *89.7 has been dismissed by the FCC because of interference potential. This is the second time that L.A. Valley College has had an application returned. FL Fort Pierce 95.5 must be a strike, since WOVV is one of the applicants. Whether or not it is on the air I cannot say. HI 88.1, HI Public Radio has been dismissed. Public Broadcasting Authority application for 86.9C; it was originally filed for 91.9C and returned. They're also

seeking a non-com on 1600 kHz AM, one of the last four vacant Honolulu AM frequencies. KY Pineville 89.5 application dismissed 6-11-75. MS Sardis 95.9, lost out to Batesville applicant in hearing. SD Flandreau 88.1D dismissed in March. TX Corpus Christi 99.1C. FCC found against both applicants in hearing starting in 1971; one applicant, Bamford, took it to the federal appeals court in Washington which found in favor of the FCC. "Channel now lies fallow."

"Mexican changes: XHNP 89.3 Puebla, \$, EZ music, "Esteromundo." XHSC 93.9 Guadalajara new station with \$ EZ-Latin music only (no US music); ID's as "El Globo" or "Globo-\$. XHRP 94.7 Saltillo mono rock, ID's as "Sensacional—Esteromundo."

"WYLD-FM 98.5 New Orleans still in mono; I am told by reliable authority that only the left channel of their stereo equipment is being fed as the mono signal. KMRC-FM 96.7 Morgan City LA observed with prog. rock, \$, nights.

A former member from Louisville comments on WFPK 91.9's new facilities grant: "As you said, WFPK is going 100 kw, but think they will still be lousy. Their program director is a 60-ish unmarried lady who has no idea what people want to hear and much worse could give a damn. She plays obscure pieces and rarely anything I've heard of and I have a classical record collection of over 200 discs and listen to that type of music all the time from out of town FMs (usually WKYK at Lexington and WPLN at Nashville). I doubt 100,000 watts and stereo will help any unless they get a new director, but have been fooled before, so am hoping." The U of Louisville 90.5 station received a used transmitter and stereo equipment from WNSN 97.5. "Rumors I hear in the business say WNSN is faltering in the ratings, so may go country—interesting as Louisville has no country." WNSN still has its \$ generator!

WEST Muncie IN hopes to be on 92.1 in stereo with 3000 watts by mid-October. . . in process of approving a tower site for the station. WEST won't get as much coverage as they think. WQTC 92.1 a Bloomington hillbilly station comes in in Muncie and in Indianapolis full blast! Delta High School, Royerton IN, near Muncie, has applied for a 10 watt station. According to the paper they have all equipment and will apply for the call letters WDGS, hoping to be operating by this fall. [Application probably delayed by the FCC freeze on new stations; frequency for this proposed station not known]

WVOI Tisbury MA has been sold, subject to FCC approval. WVOI continues to be silent; not heard on its old frequency of 95.9 or its new channel of 92.7.

Selected Canada FM information: CJOB-FM 97.5 Winnipeg now CHMM; CHRC-FM 98.1 Quebec PQ now CHOI; CJSS-FM 104.5 Cornwall ON now CFLG. CFMO 93.9 Ottawa has Muzak on its SCA; CJFM 95.9 Montreal also Muzak SCA; no SCA on CKMF 94.3 Montreal.

Up the Oregon coast from CA to Lincoln City virtually no FM heard. Coos Bay had an application for 98.3, but it was withdrawn. Richard Eddie, St. Louis, has a new Pioneer SX-939 with 1.8 uv sensitivity; 80 db selectivity; IF and spurious rejections both 100 db, and even so, it overloads thanks to pest KSHE 94.7 Crestwood MO. Tony Ward, Guelph ON uses a new Marantz 125 tuner, and notes that he can still get little WWMF 99.9 Erie PA through CKFM Toronto, now on CN Tower. He finds the new Audiovox car FM preamp a good booster to use; it can be switched off in strong signal areas with no loss.

A reporter near North Bay, Ontario, has heard the two new CBC stations testing (95.1 French; 96.1 English); expected on air by now. "They wipe out the whole band," so better FET-type equipment better be used for DXing thereabouts.

WGTB 90.1 Washington back on air, with most controversial programs deleted; same basic format. WJJS 92.7 Prince Frederick MD still off the air. // Contributors' names for this month and last month to be run next month—I promise! B. E.

NORTHERN FM-DX

Fred Nordquist
7945 Boxford Road
Clay, NY 13041
Deadline: 10th

September 1976

A lot of Es activity was noted in the month of July, including tentative double-hop Es into Mexico by yours truly. FM Es was noted on the following July days: 1, 4, 7, 11-19, 23, 24, 26, & 27; with the 19th, 26th, & 27th as the best according to reports. Some tropo was noted, but nothing spectacular. For those sending in typed reports; please single space, include equipment used, etc., in an introductory paragraph, then list your DX by date, prop., time, CL, MHz, State, Location (optional if not enough room for program info/format/etc), and very brief program info/format/etc. Also please list DX in 2 columns to conserve space, & underline all stations new to your log. This should make my job of compiling your reports easier, and also should aid those that skim past issues of these reports for DX tips. Now to the reports at hand:

R.J. O'Connor - Box 72 - SW Harbor, ME 04679 (EDT)

7/6 Tr 2035 CBH 102.7 MS Halifax cl (240)	7/28 Es 1430 WFLA 93.3 FL "Beautiful mx (1425)
7/14 Es 1200 WLTA 99.7 GA Atlanta (1160)	1435 WSHE 103.5 FL rock (1500)
7/19 Es 1515 WPCB 94.9 GA "This is Peach"	1437 WDEZ 100.3 FL "FM100" (1330)
7/28 Es 1425 WINZ 94.9 FL "Zeta-4" (1520)	This opening lasted 1/2 hr, many UNIDs.

Equipment: Panasonic RF888 AM/FM/VHF. Good DX, til next month - Rod.

Mike Bugaj - 69 Sherman Road - Enfield, CT 06082

Equipment: Kenwood KT-7001 tuner, Finco FM-5 @ 18' w/Alliance rotor, 75' coax, 35' AGL, trap.

1/10 Au 1850 to 2000 WASH WKWK WQMS WTOF WCLW & WMOB	7/11 Es 1932 WJNS 92.1 MS ID \$
2/18 1903 WTRZ 89.1 MA "News Center NX"	2014 WADI 95.3 ?? \$ cw, where?
4/25 Tr 1715 WIOV 105.1 PA CW WPJB off	7/13 Es 1751 KTAY 92.1 IA lcl wx
5/10 Tr 0340 WWSW 95.9 NY ID rock	1752 KBHL 95.3 NE \$ Lincoln ads
5/15 Tr 0207 WRBS 95.1 MD ID rx/wx	7/14 Es 1800 TV Es to MS/WFLD but no FM noted.
5/30 Tr 1032 CKVL 96.9 QU ID "rx mem. prog"	1920 KTMO 98.9 MO ID \$
5/31 Tr 0227 CJPM 95.9 QU ID rock	1921 KLAZ 98.5 AR ID rock \$
0235 CFQR 92.5 QU ID "Spectrum" AN	1930 KASU 91.9 AK ID \$
0400 WBNY 96.1 NY ID All rx	1932 WPAZ 96.9 KY ID \$
1000 WNEV 95.3 VT "Voice of Valley"	7/16 Es 1800 weak from West, no IDs
Es 1025 Cuba audio on 87.5 noted.	7/17 Es 1050 WFOR 93.3 GA ID \$
6/6 Es 1929 to 2030 to AR OK LA MO. KKEG	1051 WTVY 95.5 AL \$ cw ID
KRBB WQUE KWPM KWKK KWEN KPEM KMCD	1054 WJGA 92.1 GA \$ ID
6/8 Tr 2000 super to Norfolk Va area	1100 WKLH 92.3 AL \$ ID rock
6/11 Tr 0700 ditto	1103 WQXI 94.1 GA \$ rock
Es 2200 WACI 92.1 IL ID rock	1108 WHEY 101.9 AL \$ ID- Amer. Top-40
6/12 Es 1218 to 1401 to GA FL AL. WQMA WGPC	1117 WLTA 99.7 GA \$ ID
WRBN WJAD WFNE WBOP WQSI WELR WARI	1125 WALT 97.1 MS \$
WABB WMCZ WWSM WFOG WUOG WTUN WWNB	1127 WAPI 94.5 AL \$
6/13 Es 1944 KEZO 92.3 NE "Stereo 92, Omaha"	1130 WABE 90.1 GA \$ ID
Tr 1900 to 6/14 0700 Norfolk & WSFL NC	7/19 Es 1855 KJLV 92.1 SD ID cw, very weak
6/16 Es 1745 to 2000 to TN AL MS FL. WKEL	1900 KDLO 96.9 SD ID, also CKPC later
WJNS WRJH WGEA WBGW WSIM	7/24 Es 1000 WBLX 92.9 AL \$ ID
6/18 Es 1859 to 1936 to WI IA MN MI. WYXZ	1009 WPUR 97.7 GA \$ ID
KLGA WVLR WMLA WCMC WCCW KNKR WQXO	1011 WJAD 97.3 GA lcl rx
WDUX WCCN WEAU KTCR KYIS WSPT WJPO	1015 WQUE 93.3 LA \$ Q-93
1936 KOLI 95.1 ?? rock	1018 WNOE 97.1 LA \$ ID rock
6/19 Es 0010 to 0048 to Man. ND MN. CKY CHMM	1026 WML 101.9 LA \$ ID EL, FM-102
KKOQ WAXL & CBW	1029 WUNO 89.9 LA \$ PSA, NPR ID
6/20 Es 2018 KARC 92.9 OK ID rock	7/26 Es 1901 WMBD 93.3 IL lcl rx
6/25 Es 1945 WMCU 89.7 FL Rdg. prog.	1906 KRLL 94.5 MO ID wx mono
6/26 Es 0956 WBTR 92.1 GA ID Music-92	7/27 Es 2031 KGOV 92.1 OK \$ ID
1900 to 2232 WJCT+WJAX-FL WCHK-GA	2031 KROZ 92.1 TX lcl ad
6/27 Es 1029 to 2208 to FL CUBA-90.5 AR TX LA	2035 KHAC 92.9 \$ Total Gold Radio--Is this KARC or another?
WAMR WGLO WBUS WGMW WINK KBFC KROZ	2036 KETX 92.1 TX ID cw
KVCL KKYR KGUS KOST KWIC KSMS WPMF	8/2 Es 1745 to 1916 to AL IL MO FL LA GA. WKSJ
WNOE WQXY WRNO WAFB KNUS KSLI KYKX	WEIC WIL WJDV WMEZ WQUE WEZB WOOF WYEL
KERA WCKW, Cuba was new country & TX a new state.	WQHQ WWSM WAGUD WTUB WBOP WABE WCVU WCCF
6/28 Es 2113 to 2142 to MS AL GA FL	8/3 Tr 2119 WSME 92.1 ME EL, no longer NIS
WGUD WPMI WACL WBJW	8/5 Tr 2200 fair to Norfolk area
2124 WLOV 105.5 ?? ID	8/6 Tr 2155 WCNL 101.7 NH rock
	2216 WQCR 98.9 VT rock 24 hrs

Totals in 2 yrs: 519, 37 states, 3 prov & Cuba. Have had terrific Es year. Most loggings taped.

Harry J. Hayes, Star Route, Box 226c, Gouldsboro, PA. 18424 (EDT)

Despite super CX at the end of June, FM Es for July never really got off the ground. Numerous TV Es openings were seen w/MUF's at channel 5 or 6 but MUF's holding in the FM range were spotty at best. Tropo was also the same sad story this month with the exception of one intense opening into Connecticut on 7/22. MS is beginning to pick up a little bit. On a listening session on 8/1 in the wee hrs. numerous strong lengthy bursts were heard on monitored channel 96.9. I intend to monitor this freq. and possibly 107.3 for the next few weeks for bursts. Hopefully 8/12 will be a good date this year. New underlined. Eq. Zenith Trans-Oceanic w/whip. Masterwork stereo w/RCA rabbit ears.

- 7/1 Es 1400 WHRS-91.7 Boynton Beach, FL. w/ Martin Bookspan. Full ID. (1040)N
1400 WLRN-91.3 Miami, FL. tentative. Promo for "Let Me Read That Again" (1090)T
1412 WLYF-101.5 Miami, FL. "This is Life", ad for Stouffers cupcakes.
1416 WOVV-95.5 Ft. Pierce FL. tentative. Ad for clothing store in FP.(1000)T
1424 UnID-99.3 w/RR, in briefly. WEZY?
1431 UnID-91.3 W/gospel. Gave calls WCIE? (Correct; in Lakeland FL.-CWI)
1446 WMTM-93.9 Moultrie AL. tentative. Ad for place in Moultrie.
1447 UnID-93.5 "The Country Show".
1453 WFUZ-93.7 Ocala, FL. "Pet Patrol" program. (900)N
1500 WFSU-91.5 Tallahassee, FL. full ID. Progressive rock.(900)N
1505 WOOH-99.7 Dothan AL. Had local opinion poll feature. (880)N
7/4 Es 1325 UnID-99.5 w/c/w. "K-95"
1353 WFIA-93.3 Tampa, FL. w/EL MX. (1000)R
AP 1907 WSLT-106.3 Ocean City, NJ. w/ID, coming thru semi-local WFMV.(140)N
7/9 Tr 1110 WYIQ-99.1 Ebensburg, PA. w/c/w, fair sig. (160)R
7/15 Es 1335 UnID-89.3 w/EL MX.
7/19 Es 1611 KMOD-97.5 Tulsa, OK. w/RR. (1140)R
7/22 Tr 2359 WNLK-95.9 Norwalk CT. very nice sig. w/MoR. Religious program at sign off. (110)N
7/26 Es 1109 WCKW-92.3 Laplace LA. In w/Ai MX. (I may have missed the bulk of this poening as I had appointment this morn.)
7/27 Es 1900 KYKR-93.3 Port Arthur, TX. In and out, briefly.(1280)R
1923 KILT-100.3 Houston, TX. w/RR, ID. (1340)N
1925 KIKK-95.7 Houston, TX. ID and c/w.
7/31 MS 2330 UnID-96.9 "...at B&J Electronics in Dothan..." I'm not to sure about the Dothan part as burst faded, but may be WIRB.
8/1 MS 0109 UnID-96.9 "...the All Night Show..."

Log total at 350 heard. 3 veries. As you can see I'm not much of a verie collector. I tape just about everything heard on Es. I hope everyone has a long and productive Fall Tropo Season. 73.

Robert Eddy - Box 338 - Newport, OH 45768 (EST)

Equipment: RX Heath AJ29 (w/ARC defeated), ANT CM stereoprobe-9 @ 50AGL. Big Es date here was 6/27 when 43 new logged including 3 from Puerto Rico. MUF briefly reached ch.7 (probable WCKT Miami) at 1145. (Nice going on your double-hop Es to PRI-fjn)

- 5/15 Es 1248 KGNO 95.5 ad ads, nx
5/22 Tr 2240 WBCL 90.3 IN gospel, nx
6/4 Es 1214 KIKM 96.7 TX ad
1214 KXOX 96.7 TX ad
1233 KCBI 89.3 TX gospel
1238 WYWK 101.5 LA psa
1245 KLYX 102.1 TX nx
1247 ARBE 104.1 TX rr
1252 KGOY 104.9 OK psa, wx
1301 KCHU 90.9 TX id
1319 KXXY 96.1 OK promo
1320 KMRC 96.7 LA swap shop
1338 KEPT 96.5 LA id, psa
1341 WAVV 100.7 FL psa
1358 KACV 89.9 TX mx, id, nx
6/7 Es 1914 KIBC 93.5 NE nx, wx
1916 KSID 95.3 NE congresswoman
1929 KARD 107.3 KS promo, wx
1930 KRBN 98.5 NM ad, mx
1951 KFKZ 96.1 CO sponsors, gosp
2004 WWNO 89.9 LA id, concert
2027 KSNS 96.1 LA pr, id, ad
2030 KPAC 98.5 TX id
2030 KQXX 98.5 TX id
2044 KTON 106.3 TX wx
2058 KMMJ 103.3 TX mx, id, nx
6/16 Es 1813 WAFG 90.3 FL promo, gospel
1828 WGLY 98.3 FL gospel, id
1831 WVOG 99.9 FL nx, sports, wx
1844 WIGL 107.5 FL country mx
6/17 Tr 2102 CKOT 101.3 ON nx
6/20 Tr 1859 WGLD 100.3 NC wx, psa
2000 WUNC 91.5 NC concert, id

(cont. next page)

(Robert Eddy report - continued)

6/21 Es 1654 AMCS 98.3 TX ad, nx
 6/26 Es 1039 WDIZ 100.3 FL rr, id, ad
 1041 WLEQ 95.9 FL ad, rr
 1051 WOVV 95.5 FL rr
 Tr 2158 WIBI 91.1 IL gospel, nx
 2320 WACF 98.5 IL country, nx
 2334 WQCM 97.7 IN promo
 6/27 Tr 0016 WTHI 99.9 IN promo, mx
 Es 1028 WEAT 104.5 FL ads
 1034 WLQY 98.7 FL rr
 1058 WWRN 92.1 FL psa, id, wx
 1101 WRYZ 96.7 FL concert, id
 1106 WIRK 107.9 FL country K
 1109 WTAI 107.1 FL rr, ad
 1111 WYRL 102.3 FL ads, psa
 1128 WGMW 94.3 FL ad, wx, nx
 1146 WSKP 105.5 FL gospel
 1157 WKZM 105.5 FL gospel
 1158 WDUV 103.3 FL ad, id, nx
 1200 WLOQ 103.1 FL id
 1210 WCKB 101.1 FL rr
 1213 WBJW 105.1 FL ad, wx
 "BJ 105"
 1220 WORJ 107.7 FL rr, ads
 1229 WRAT 104.1 FL ad, psa
 1230 WRCC 103.9 FL mx, id
 1233 WIVY 102.9 FL rr
 1300 WINK 96.9 FL, id, CBS nx
 1300 1/2 WRYO 98.5 FL id, gospel
 1312 WKBS 101.5 FL gospel, id
 1315 WBPB 106.3 FL promo, wx, rx
 1328 WAMR 92.1 FL mx, id, nx
 1330 WTAN 95.7 FL psa, wx
 1500 WORO 92.5 PR Spanish id, mx
 "Radio Oro"
 1429 WSRA 93.7 PR SS- ad, Eng
 promo, mx
 1545 WRID 95.7 PR SS- id, mx
 "Radio Fidelity"

6/27 Es 1840 KWIC 107.7 TX rr
 1848 KYKX 105.7 TX country mx
 1901 KRJB 106.1 LA wx, id
 1904 KOBY 102.5 Ad, nx, wx, id
 1908 KRMD 101.1 LA country mx
 1911 KWAM 101.1 TN ad, wx
 1929 KGRH 100.1 TX id, wx
 1932 KESB 106.5 TX ad, mx
 1933 KSEO 107.1 OK nx
 1946 KOBS 104.5 TX annor
 1958 WKY 100.7 LA mx, id, psa
 2004 KETH 88.9 Tx id, concert
 2011 KSMI 104.9 LA rr, psa
 2058 KPFL 99.9 La. rr, id
 2105 KCHC 96.9 OK ads
 2131 KRWG 90.7 NM promo, nx
 7/11 Es 1731 KEPC 90.5 CO rr
 7/12 Es 2131 KOFM 104.1 OK rr, id
 Tr 2143 KCFO 98.5 OK ad
 2150 WPSR 90.7 IN concert, id
 2201 WISU 89.7 IN id, rr
 7/15 Es 1737 KBPM 104.1 TX ads, rr
 1805 KISS 99.5 TX id
 1807 KVLG 104.9 TX promo
 1822 KHFI 98.3 TX rr, wx, ad
 7/17 Es 1046 KBRX 92.7 Ne ad, hospital
 1813 WCVU 94.5 FL promo, mx
 "Sea View"
 1836 Radio Reloj Nacional, 101.6
 nx over time clicks -CUBA
 1845 WAKY 107.1 FL wx, id
 7/18 Tr 2355 WGTB 91.3 OH s/off
 7/19 Es 1059 WRJH 97.7 MS gospel
 1103 KXOR 106.3 LA s/on from pwr
 failure
 1113 KDEA 99.1 LA ads
 1122 WRNO 99.5 LA rr
 1124 KAPB 97.7 LA ad
 1129 KPNV 93.5 LA id
 1133 KVPI 93.5 LA ad

Frank Wheeler - 6589 Wattsburg Road - Erie, PA 16509

7/14 Tr 1330 WDET 101.9 MI Detroit (154) 7/21 Tr WKJC 98.1 MI Saginaw (220) hrd @1340
 7/21 1225 WJR 96.3 MI " 7/22 Tr 1300 WSAQ 102.7 MI Lansing (232)
 1230 WCMU 89.5 MI Mt. Pleas.(262) 0904 WRIF 101.1 MI Detroit
 1310 WMLC 94.7 MI Birmingham(195) 7/31 Tr 0217 WWJ 97.1 MI "

Total logged=134 (All tropo)

Michael Hogan - 4811 Euclid Ave - East Chicago, IN 46312 (CST)

I finally purchased some new equipment for FM-DXing. It is a Wards 5-band FM/UHF RX with whip antenna and also a Radio Shack omni-directional (cheapie:\$3.00) antenna, but it works like a \$50.00 antenna. Now to my loggings:
 7/25 Tr 1800 WERN WI Madison(88.7) 8/2 Es 1600 WPCR MA Amherst(88.5)
 Now at 46 stations logged, 13 of them in the educational band, and 5 states. 73's - Michael.

John Ebeling - 9209 Vincent Ave. S. - Bloomington, MN 55431 (CST)

7/10 Tr 1950 WMMI 99.7 MI Hit Parade 7/25 Tr 2203 WCEU 89.9 IL Peoria rock
 2006 WMMU 90.1 MI SCA"Chirping" 7/26 Es 1059 to 1132 to LA TX. WMMO KVLU WKEL
 2153 WJPD 92.3 MI Rock KAPB KPMK KIVY.
 7/11 Es 1855 KPMK 97.9 TX G,PRN on SCA 7/27 Es 1559 to 1749 to TX LA. KPJH KIXY KNIT
 1900 KPFT 90.1 TX Talk KSJT KWLW KORQ KTEP KCSW KEZT KSNS KPMK
 7/12 Tr 2355 KPMH 99.7 IA R "99+ \$" ID KNAF KOYE KDBH KUFO KEEL KUEC.
 7/13 Es 1750 WDBO 92.3 FL Short Es-intense 1618 91.9 UNID - SS mono - who?
 7/14 Es 1910 WCKW 92.3 LA K KCSW (ex-KRMH 103.7) noted w/rock.
 7/16 Es 1617 WRML 93.3 MA R Tr 1102 WPNE 89.3 WI Green Bay
 7/18 Es 1700 to 1759 KRWG-NM KWLW-TX KOE-NM 7/29 Tr 1101 KICB 88.3 IA Ft. Dodge R(10 w)
 KEZB-TX. Also Tr KCKN-KS at 1706. Tr 1105 KWEG 98.3 IA Boone
 7/19 Es 2200 KZZQ 94.3 LA "K-94" ID That's it for July...pretty good month overall.
 Regards, John.

Joseph Pala - 150 Robert Place - So. Plainfield, NJ 07080

Equipment: Pioneer SX-828, Antenna - JFD-FM10A 35'AGL w/rotor.

6/16 Es 1806 to 2000 to AL MS AR FL TN LA GA. 6/27 Es (cont)

WBQM WBJT KBFC WZZK WPSU WPLN WJNS
WELX KDDI WDRU WCPC WDNX WPCS WVOH
 WGOV WIRB.
 1921 UNID 104.9 GA S.GA wx, super-G
 rock - who? (WHCG.)

6/25 Es 1856 to 2029 to FL WJIA WCMQ WLYF6/26 Es 0951 WELK 92.9 AL Mobile soul, ID6/27 Es 1039 to 1235 to FL. WLBQ WRIZ WBUSWRBQ WIGL WYOR WIRK WAVV WCCF WTRS.

1458 to 1631 to TX LA OK AR MO KS.

KRBE KROP KPEL KSMB KMBQ KYKX KKAJKANC KCES KMMH KQOA KMAA KRMS KUDLWIEW KSKU KWKL.1906 KLAZ 98.5 AR ID rock1915 KLYY 102.1 TX NIS Houston wx1922 KWIC 107.7 TX "Quiet" rock1926 WYMK 101.5 LA ID promo cw1934 KMLB 104.1 LA EZ "Beaut. One"1937 KOOI 106.5 TX EZ "K-dbl-O-I"

Will continue next month....73s....Joe.

1942 KNRO 106.9 TX Conroe, ID2000 KSLI 96.9 LA ID EZ2014 KOAY 105.3 TX beaut. wx. U.O.f ad2017 KWJS 94.9 TX relig. promos
(ex-KAMC)2025 KPWD 102.1 TX prog. rock FM1022029 KDIX 102.9 TX ID, relig. prog.2038 WFMF 102.5 LA ID, progr. rock2040 KHOM 104.1 LA ID, MoR, auto.2043 KSMI 104.9 LA Donaldsonville ID2046 WTUN 100.9 AL Selma w/promo for

gospel music Sun.

AMs, SID, cw.

2059 WQXY 100.7 LA Baton Rouge w/ID

in the mess.

2102 WQID 93.7 MS Biloxi ID in

passing.

2103 KMEZ 100.3 TX Dallas EZ-100, Thru

1cl WVNJ

Peter Sawatzky - 244 Neilson Ave. - Waterloo, Ontario N2J 2M3

Rx.: Heathkit AJ-15; Ant.: Delhi 1047 @ 30'; MS tape control unit.

N.B.: All loggings rx'ed on MS tape control unit asterisked &
 respective times refer to period frequency monitored. New underlined.

5/19 Au 2220 Light, brief Au on 88-92 MHz.; no ID's

6/4 Tr 0730-1700 WKRQ*101.9 CH Cincinnati (365) (Tr that got in on

MS tape control unit)

Es 0730-1700 KQXT*101.9 TX San Antonio (1375) (Es that got in

on MS tape control unit)

6/6 MS 0000-0800 WLIF*101.9 MD Baltimore (345) "...locally, the

Maryland..."

Es 2002 WKLH 92.3 AL Montgomery (830)2010 WULA 92.7 AL Eufaula (840)2014 WTVY 95.5 AL Dothan (880) Dairy Bar, Donaldsonville

spot

2018 WGNE 98.5 FL Panama City (955)2019 WFTW 99.3 FL Ft. Walton Bch. (960)2022 WIRB 96.9 AL Enterprise (890) Clark Cinemas, Ozark

spot

6/7 Tr 0000-0730 WGTE*91.3 OH Toledo (200) Signoff after WQLN offEs 1914 KCHU 90.9 TX Dallas (1130) ID1916 KWTX 97.5 TX Waco (1215) Oriental Rug, Waco spot1919 KIKS 93.3 TX Killeen (1240) ID1925 KVIL 103.7 TX Dallas (1130)1928 KWXI 97.1 TX Ft. Worth (1170)1931 KPLX 99.5 TX Ft. Worth (1170) "K-plex stereo 99-5" ID1957 KKAJ 95.7 OK Ardmore (1100)2007 KSIW 93.5 OK Woodward (1095) council meeting2013 KBID 92.9 TX Wichita Falls (1165)2017 KRHD 102.3 OK Duncan (1110) Wx.2021 KICT 95.1 KS Wichita (955) David's Records spot2024 KMTY 99.1 NM Clovis (1350)2025 KLAW 101.5 OK Lawton (1125)2030 KMUW 89.1 KS Wichita (955) ID, jazz2037 KEBC 94.7 OK Oklahoma City (1045)2052 KRAV 96.5 OK Tulsa (955)2058 KNFM 92.3 TX Midland (1390) Nx., Wx.2107 KMCD 97.5 OK Tulsa (955)2134 KSEL 93.7 TX Lubbock (1350)6/11 Tr 1200-1800 WBLY*102.9 CH Springfield (300) (Tr that got in on

(cont. next page) MS tape control unit)

(Peter Sawatzky report-cont)

6/12 Es 1240 to 1324 to FL SC. WEDR WJNO WSCI 16/27 Es 1046 to 2359 to FL MS GA AL LA TX.
 WPCF WPKI.
 6/16 Es 1806 to 1844 to MA ME FL. WCCF WPCF WATA WEDR WIOS WMJX WLYF WJNO
 1806 WEUR 90.9 MA Boston (485) ID WMCU WBJT WUSF WRGI WJAX WJIZ WGEA WEGE
 1815 WPEC 92.9 ME Bangor (585) beaut. WQUH WFTW WFDK WML WLE WOOF WQTK WJAT
 mx. (WEUR is my shortest Es) WMEZ WPAP WDUV WQSI WIRK WCKO WHEW WFTM
 also hrd in opening were: WYRL WMJX WKXI WCGQ WCUP KDEA KPBL WQID WKES WQST
 WYOS WEUS WGLO WLOQ WATA WUSF WJCT KSMR WLCY WSHR WQIK WBYU KRCM WKBB WPCV
 WEDR WCKO WLCY WAPG WJMI WRNO WCIB KCIL WIGL WINZ WOVV WDIJ
 6/23 Tr 2230 CFMP 101.5 ON (ex-CHEX)(125) WQIM WRBQ WQYI KASE KIRO WYMK KYND KWIC
 6/24 Au 2000 Light brief Au, no IDs. KAUM KYKR KCIR WCNW KZZQ WLLY WPUZ WPCS
 6/26-27 MS 2200-0800 KYKR* 93.3 TX (ex-KCAX) 6/28 Es 0000 WFSU 91.5 TX Houston (1240)
 my farthest MS. (1180). 0005 WEZE 97.1 LA New Orleans (1070)
 6/28 Es 1913 to 2359 to FL GA TX LA AL AR MS.
 Received were: WQUE WFLA WPUZ WLCY WMOG WCKO WMJX WQXQ WDIJ WMCU WGLO WSHR WHTI WGYL
 WRMF WPAP WCEH KCHU WATA KERR WCKS WEDR WEAT WMTM WQIM WCTA WSOJ KBPC
 KRBB KRCK KDEA WPCV KRIL KLLS KIVI KPVI WJMI KLUR KYKR KMBQ KADL KBTM.

6/29 Es 0000 to 0045 to OK TX NE CO. KRBC-94.7 KGF-94.5 KIBC-93.5 KRAI-93.7.

7/1 " 1214 WBLX 92.9 AL Mobile (970) sung ID
 7/3 Tr 1500-2300 WOLX*102.3 OH Galion (225) (Tr that got in on
 MS tape control unit)
 7/4 MS 1459 WJMD 94.7 MD Bethesda (355) "...before...o'clock,
 this is WJ-..."
 7/7 Es 1904 KBID 92.9 TX Wichita Falls (1165)
 1918 KSEL 93.7 TX Lubbock (1350)
 1939 KMYR 93.7 SD Winner (965)
 7/10 Tr 1859 WHAD 90.7 WI Delafield (380)
 7/12 Es 2203 KPFT 90.1 TX Houston (1240)
 2215 KOKE 95.5 TX Austin (1295) ID
 2220 KSCS 96.3 TX Ft. Worth (1170) ID, country mx.
 2221 KVIL 103.7 TX Dallas (1130)
 2223 KZEW 97.9 TX Dallas (1130)
 2225 KWXI 97.1 TX Ft. Worth (1170)
 2228 KTKC 92.7 LA Springhill (1000) ID
 2235 KAPM 92.5 TX Dallas (1130)
 2239 KBEZ 97.3 TX San Antonio (1375)
 2240 KWTX 97.5 TX Waco (1215)
 2247 KOKE 101.5 TX Brownwood (1280) "coax 101" ID
 2252 KIXY 94.7 TX San Angelo (1350)
 7/15 1300 KICS*93.5 NE Hastings (925) (Es that got in on MS
 tape control unit) time, ID, local ads
 1909 KYKR 93.3 TX Fort Arthur (1180)
 1914 KCDA 99.1 TX Houston (1240)
 1916 KRBE 104.1 TX Houston (1240)
 1928 KYND 92.5 TX Pasadena (1240)
 1930 KLYX 102.1 TX Clear Lake City (1240) Wx., Nx.
 7/19 1839 KBRK 94.3 SD Brookings (810) Wx.
 1842 KMHL 100.1 MN Marshall (760) sports
 1845 KDHL 95.9 MN Faribault (635) Owatonna mentioned
 in spot (right through 55 mi., 179KW
 CPPL, London, Ont.)
 1849 KKLS 93.9 SD Rapid City (1125)
 1900 KBHB 93.1 SD Sturgis (1140)
 1941 KMYR 93.7 SD Winner (965)
 1946 KDLO 96.9 SD Garden City (850) KELO ID (satellite)
 1954 KESD 88.3 SD Brookings (810)
 1959 NCAL 89.3 MN Northfield (630) Wx. w/stormwatch
 2005 WMCU 89.7 FL Miami (1205)
 2012 WGMW 94.3 FL Riviera Beh. (1145)
 2016 KCLL 93.5 NY Gillette (1230) ID, rock
 7/23 1904 KRVA 93.1 NE Lexington (990) local Mx., Wx., sports
 1915 KICS 93.5 NE Hastings (925)
 1920 KVDB 94.3 IA Sioux Center (785)
 7/24 1014 WMCU 89.7 FL Miami (1205)
 1100 WGYL 93.5 FL Vero Bch. (1080)

73's ---- Pete.

(continued on page 56)

SOUTHERN FM

David Cox
2007-E Brandywine Ct.
Birmingham, AL 35216

Deadlines: Sept. 10
Oct. 10

FOR REPORTERS EAST OF THE MISSISSIPPI AND SOUTH OF THE MASON-DIXON LINE

The August VUD arrived here on the 13th, several days after the usual deadlines. Consequently, I hadn't expected to get any reports in this month. But three days later, three reports arrived. My thanks to those who reported and also to Fred Nordquist who dropped me a nice note along with a report Ken Simon sent him. Ironically, Fred's letter arrived on the same day as the report Ken sent me.

Some very good catches are reported this month, including a probable double hop reception by Bill Feidt. On the other hand, the number of days on which DX was reported appears to be down from past years. Perhaps we will get a different picture as more DXers report in.

R.E. Lyons, 2864 W. Bay Drive, Largo, FL 33540

This is my first report in several months because DX was nonexistent. I am using the SAE Mark VIII, a Marantz 1030 amplifier with a double stacked (12 element) Finco yagi, purchased from WFFAer Mike Dalton. All DX in this report is E skip.

5-20	88.7	WNHU	West Haven, Conn.	6-18	88.7	HRLP	Teguci., Honduras
6-3	88.3	WJVS	Cincinnati, Ohio	90.7	KOBC	Joplin, Mo.	
	92.7	WRAJ	Anna, Ill.	101.1	KAOL	Carrollton, Mo.	
	93.1	WKRT	Chicago, Ill.	88.1	KDPS	Des Moines IA	
6-4	88.3	KESD	Brookings, S.D.	88.1	KTEQ	Rapid City SD	
	92.1	KTAV	Knoxville, Ia.-releg	88.9	KLUM	Jefferson MO	
	88.5	WFGR	Amherst, Ma.	89.3	XHNP	Puebla, Mex.	
	88.5	WMOB	Oxford, Oh.	6-26	92.9	KWBE	Beatrice NE
	90.3	WHLA	Holmen, Wisc.	93.7	WJFM	Grand Rapids MI	
	90.3	WRST	Oekosh, Wisc.	95.3	WISL	Shamokin PA	
	90.3	WBCL	Ft. Wayne, Ind.	88.7	WBFO	Buffalo, NY	
	92.5	WLBK	DeKalb, Ill.	92.7	WDBM	Tom's River NJ	
	96.1	WNNN	Bay City, Mich.	6-27	88.1	WEGW	Elmira NY
6-7	89.5	WCMU	Mt. Pleasant, MI-relog	88.1	WMNR	Monroe CT	
	106.1	KLSS	Mason City, Ia.	90.9	WUHY	Phila. PA	
	106.7	WJAG	Norfolk, Ne.	91.5	WBJC	Baltimore	
	106.7	WVKS	Beaver Falls, PA	92.9	WYZZ	Wilkes Barre PA	
	106.9	WKTA	McKensie, TN	92.1	WSME	Sanford, Me.	
	107.9	KPMW	Waterloo, Ia.	92.5	WNTZ	Waterbury CT	
6-12	89.3	WSKG	Binghamton, NY	92.7	CKSO	Sudbury, Ont.	
	93.9	CFMO	Ottawa, Can.	92.9	KFMD	Dubuque IA	
6-14	99.7	WLTA	Atlanta, GA	94.1	WIAL	Eau Claire, Wisc	
	106.5	WQLR	Kalamazoo, MI	94.1	KCKN	Kansas City KS	
6-16	88.3	WMRT	Marietta, OH	94.5	KJCK	Junction City KS	
	92.5	WMHE	Toledo, OH	98.5	WJGS	Houghton MI	
	88.5	XHCM	Cuernavaca, Mexico.	101.9	WCIB	Falmouth, Ma.	
	89.1	WNYU	New York, NY	102.1	WCED	DuBois PA	
	94.5	WREZ	Buffalo, NY	106.1	WBLI	Patchogue NY	
	92.1	CKPC	Brantford, Can.	92.1	WSEN	Baldwinsville NY	
	92.1	WLNG	Sag Harbor, NY	6-28	90.9	RPC	Panama
	92.3	WHOM	New York, NY	91.3	WHHI	Highland, Wisc.	
	92.5	WBFB	Rochester, NY	90.5	WCBE	Columbus, OH	
	93.1	WDRQ	Detroit, MI	90.5	RJR	Spur Tree, Jamaica	
	95.3	CKDS	Hamilton, Ont.	91.7	WUOM	Ann Arbor MI	
				92.1	WLEW	Bad Axe MI	
				92.7	WBBI	Abingdon VA	

I have not given my July loggings as it looks like DX really got going and everyone will have lengthy reports. (some nice catches, Earle. Let us know how July and August went. dsc)

Kenneth R. Simon, 528 Pilgrim Road, West Palm Beach, FL 33405 EDT

Equipment: Harmon Kardon receiver * = verified
16 element yagi @ 30 feet \$ = stereo

6- 3 Es	1331	88.5	WNUB Oxford OH *	id & phone no.
	1350	89.5	WNIU De Kalb IL *	news & NPR w/id
	1405	91.1	WVUB Vincennes IN	id
	1408	92.9	WSEI Olney IL *	ad & id
	1410	93.3	WMBD Peoria IL *\$	"all the music without the talk" "93"
	1425	95.5	WCRA Effingham IL	"Farm rpt." 1090 report
	1440	94.1	WMLX Mt. Vernon IL \$	ads
	1442	99.5	WKDQ Henderson KY *	ads & id
	1500	88.7	WSEI Edwardsville IL *	cl. music
6- 4	1355	90.5	KXCV Marysville MO	MOR & id
	1415	91+	unid suspect MO/KS area	"Public radio 91"
6-16	1720	88+	unid rock	
	1725	92.9	WSEI Olney IL	rock, ads, & id
	"	93+	unid rock with ad for Dixie Hi Fi	
	1905	93.1	WZAK Cleveland OH	Greek
	1925	88.1	WAUP Akron OH	jazz & id
	1935	93+	unid id as "93Q" (This is WNTQ Syracuse NY. -CWI)	
	"	93.3	WOOD Youngstown OH *	Mutual nx & id
	1950	88.5	WAMU Washington DC *	Ed. & id
6-25	1915	88.5	unid with reading of some author's letters	
	1923	"	topped by classical \$ - Berlioz Trojan March, Requiem	
			Chopin Polonaise in A "Sound Spectacular"	
	1939	"	topped by classical German vocal	
	1930	87.75	CKLN-5 Paris ONT audio w/id for Global	
	1945	89.1	unid literary abt dogs, advertising fade 1948 \$	
6-27	1130	93+	unid German	
	1135	100.3	WVWJ Vineland NJ	wx & id
	1200	105.3	CFCA Kitchener ONT \$	ad & id
	1205	92.9	KDKA Pittsburg PA \$	weather
	1220	99+	unid EDT id WRYT?	
	1225	94.1	WHBC Canton OH *	w/spot for Cambell OH parade
	1230	101.1	WRIF Detroit MI	"Detroit's best rock"
	1231	99+	unid MI w/nx about Clyde... \$	
	1255	88.7	CJOM Windsor ONT \$	Italian w/TS
	1300	89.3	WQED Pittsburg PA	spot for funds
	1325	105.1	WQRS Detroit MI \$	Irish music
	1358	102.9	WFUR Grand Rapids MI *	relig.
	1429	89.1	ZBM Hamilton Bermuda	id Zed-B-M
	1432	94.9	unid ZFB Bermuda?	MOR over Zeta h (WINZ)
	1957	88.3	WIAA Interlochen MI	PBR & id
	2035-			
	2110	88.5	unid discussion of race relations in South	
6-28	1310	89-	unid classical	hvy fade by 1325
7- 3 tr	0730	87.75	WDBO-TV	
	"	93.3	WFLA	
7-11 Es	0950	89+	unid classical \$	
	1002	88.5	WYSU Youngstown OH *\$	NPR & id
	1015	93.1	WZAK Cleveland OH	German o/WTMI
	1020	88.7	CJOM Windsor ONT \$	polkas & id
	1045	88.9	WEKU Richmond KY \$	V. of E.Ky.U.
	1056	ch 6	unid Rbt. Schuler relig. w/spot for SHA @ 638-62??	faded out about 1115
7-14 Es	1700	skip in		
	1710	88.9	WEKU Richmond KY \$	PSA & id
	1712	91-	unid "Stereo 91" "FM 91"	classical
	1715	91.1	WVUB Vincennes IN	IN nx
	1730	91.3?/91.5	WBEZ Chicago	Chicago wx
	1730	91.1	unid id WIBI?? -see below (WIBI is in Carlinville IL.-CWI)	
	1742	93.3	unid rock over WTMI	
	1750	91.1	unid religious	
	1800	89.9	KLUM Jefferson City MO	NPR & id

Ken Simon cont.

7-24 1015 88.3 WIAA Interlochen MI id & temp (71)
 1016 89.5? unid cl abt hist. of trumpet \$
 1025 90.1 WNMR Marquette MI * nx, wx & id
 1030 92.9 WJZF Cadillac MI * am/fm id
 1150-1230 used Sears am/fm car radio & whip mobile in WPB
 1150 88.7 GJOM Windsor ONT wx, id
 1200 90+ unid relig.
 1203 89.5 WSCU South Orange NJ Inf. Radio nx & id
 1220 ch 6 unid ABC Olympics
 also @ 1030 93.5? unid church nx. Wiltonville Bapt. Church mentioned
 7-26 1300 91.1 WIBI Carlinville IL nx & id

(Thanks for the report, Ken. We're looking forward to hearing from you again soon. dsc)

William B. Feidt, 8852-L Spiral Cut, Columbia, MD 21045 EDT

Here is a summary of my activities to date.

6- 6 Es 2015 94.5 KJCK Junction City KS rock format
 2020 93.3 KWKI Kansas City MO rock w/WPCG qrm
 2023 93.7 KYEZ Salina KS local promos & id
 6-27 1245 101.9 WHEW Fort Myers FL "Giant Country"
 1252 97.3 WAIA Miami FL "A one A"
 1230 101.5 WKES St. Petersburg FL MOR
 1258 90.3 WAFG Ft. Lauderdale FL Moody Bible Inst. prog.
 1301 94.3 WQMW Riviera Beach FL w/jingle; MOR
 1330 94.1 Lakeland FL WVFM "Beautiful Music"
 1355 93.7 KISR Fort Smith AR w/predictable "kisser" slogan
 1430 94.1 KBPO Beaumont TX "Sunshine stereo of the
 Golden Triangle"
 1500 97.5 KWIX Waco TX w/id over WESM briefly
 1510 94.5 KROK Shreveport LA rock
 1555 93.5 KRFG Greenfield MO pop-country
 1600 95.1 KICT Wichita KS "Proud country radio"
 1601 88.9 KLUM Jefferson City MO soul-gospel
 1605 91.5 KANU Lawrence KS classical; atop local WBJC
 1620 101.9 KFMQ Lincoln NB rock-pop
 1904 94.3 KAMD Rogers AR local nx; mixng w/KILS
 " " KILS Okmulgee OK local nx to ID
 1945 105.3 KOAX Dallas TX E-Z listening
 2020 101.9 KBTM Jonesboro AR rock; "stereo 102"
 2030 99.9 KLUR Wichita Falls TX white gospel over WFRE
 2040 102.5 WFME Baton Rouge LA rock to ABC FM nx
 2045 101.9 KPNB Oklahoma City OK easy listening; "FM 102" \$
 2Es? 2100 90.7 KRWG Las Cruces NM w/ MDT time check and good ID
 by gal; bad slop from local
 WETA. This is a very welcome
 state here.
 2105 97.5 KGUS Hot Springs AR w/nx, ID & cl.
 2130 88.9 KETR Commerce TX w/wx for Commerce & organ mx
 2200 89.5 KWGS Tulsa OK classical, ID & into jazz
 7-19 Es 1430 90.1 KERA Dallas TX BBC prgm, id & Dallas city council
 coverage; thru local WGTB
 7-26 1058 101.5 WLIF Miami FL w/ nx
 1130 93.7 WQID Biloxi MS rock format; call change from WBIL
 1158 91.3 KNCT Killeen TX powerful between locals WETA & WBJC
 1211 101.5 KOXE Brownwood TX
 1225 93.7 KLBK Austin TX w/ "KLBK news"
 1230 96.5 KADM Houston TX

(congrats on KRWG, Bill. That was a super catch!)

(continued on page 49)

WESTERN FM-DX

Steven C. Wiseblood
707 Loma Way
Santa Maria, CA 93454
Deadline: Oct. 15*

Patrick Martin, P.O. Box 14192, Portland OR 97214 (5/15-7/15) (PDT)

15 Es 1635 C???	106.1	PQ?	FF, Canada mention	15 Es 1505	KBPI	105.9	CO	Denver, (Pr. RR)	1100
28 MS 0957	KRSP	103.5	UT SLC, RR	1510	KLAK	107.5	CO	Lakewood, C&W	1100
31 Tr 1515	KLVR	90.3	WA Longview	1514	KQA	103.5	CO	Denver, MoR	1100
3 MS 1000	UnID	105.3	C&W	1517	KLMO	104.3	CO	Longmont, EL	1100
22 Tr 2200	KBRO	106.9	WA Bremerton, C&W	1523	KCMS	102.7	CO	Manitou Sprs., EL	
23 Tr 1100	KLYN	106.5	WA Lynden, MoR	1528	KLZ	106.7	CO	Denver, (Pr. RR)	1100

The opening on 7/15 was the best Es of the season this summer. TV DX has been pretty good but the skip hasn't been getting above channel 4 or 5. TV conditions have been excellent this summer. That should do it for this time. Good DX & 73's.

Fred McCormack, Des Laes, ND 58733 (CDT) (July 1976)

Equipment: Heath AR-1500, JFD log antenna; *Fargo DX- Heath AR-15, Rabbit Ears

1*Es 1635	WLRG	92.3	VA Roanoke,	1085	21 Es 1242	KBRE	94.9	UT Cedar City, MoR	
"Large Radio"									
7*Es 1038	KETR	88.9	TX Commerce	940	1255	KAIR	94.9	AZ Tucson, "Care"	
11*Tr 0546	KAUS	99.9	MN Austin	280	1300	WQNZ	95.1	MS Natchez	1270
15*Es 1202	WLAF	94.5	KY Lexington	875	1327	KBUZ	104.7	AZ Mesa, //AM	1150
1203	WAGI	105.3	SC Gaffney	1130	1333	KPMW	99.1	OR Eugene	1080
1210	WIPN	95.9	IN Franklin	745	1400	XHVG	103.3	BCN Mexicali, \$RR	
1215	WMLX	94.1	IL Mt. Vernon, RR	715	1400	KRSB	103.1	OR Roseburg	1115
16*Es 1724	WKTU	92.3	NY New York, RR, \$92		1405	KXIQ	94.1	OR Bend, C&W	995
2103	WPVR	94.9	VA Roanoke, \$95	1085	1415	XHPF	101.9	BCN Mexicali, EL	1295
2106	WVWR	89.1	VA Roanoke, JAZ	1085	1430	KRHS	102.3	AZ Bullhead City	1125
2108	WTVV	95.5	AL Dothan, Gt. Am. Cty.		1439	XHERS	104.5	BCN Tijuana,	1355
19*Es 1745	WLIF	101.9	MD Baltimore, W-life		"Formula Melodica"				
1747	WHDG	103.7	MD Havre De Grace,	1155	1450	KDOL	97.7	CA Lancaster, C&W	
"Good Time Radio"									
1748	WYQ	99.1	PA Ebensburg, RR	1000	1454	KGB	101.5	CA San Diego	1340
1753	WQXA	105.7	PA York, "Q106"	1110	1508	KPMS	101.9	NV Las Vegas	1075
1800	WPDC	106.7	PA Elizabethtown	1110	1520	KIIS	102.7	CA Los Angeles, RR	
1805	WPGC	95.5	MD Morningside, RR	1145	1522	KLUC	98.5	NV Las Vegas	1075
1807	WPOC	93.1	MD Baltimore, "FM-103"		1635	KREZ	102.5	CA Salinas, RR	1290
1830	WCHR	94.5	NJ Trenton, REL	1190	1647	KOSO	93.1	CA Patterson	1230
20 Es 2240	WBLE	101.5	GA Marietta	1320	1654	KSAW	94.9	CA San Francisco	1275
21 Es 0002	Texas	UnIDs	in briefly		1700	KUOP	91.3	CA Stockton	1220
Tr 0813	KVLR	95.3	MN Detroit Lakes, RR, \$95		1700	KBAY	100.3	CA San Jose	1275
Es 1000	KPJH	94.3	TX Fort Stockton,	1200	25*Es 1938	KSMB	94.5	LA Lafayette, RR	1175
1215	KRFM	95.5	AZ Phoenix	1150	1942	KDEA	99.1	LA New Iberia, "\$99"	
1224	KKTC	92.3	AZ Glendale	1150	27*Es 1739	KYOK	107.5	TX Fort Worth,	975
1238	KMCR	91.5	AZ Phoenix	1150	"K-Knock"				
(The 21st of July was by far the best day of Es in North Dakota during July- sw)									

Clint McAuliffe, 1103 7th St. Apt. 6E, Greeley CO 80631 (MDT) (7/7-7/30)

7 Es 0915	WQOX	88.5	TN Memphis	890	17 Es				
0924	WLYX	89.3	TN Memphis	890	0937	WNUR	89.3	IL Evanston	910
0940	WEZK	97.5	TN Knoxville	1190	0945	WIOT	104.7	OH Toledo	1120
0943	WEKU	88.9	KY Richmond	1120	0946	WQWQ	104.5	MI Muskegon	980
0945	WFPC	97.3	MO Springfield	660	0950	WWOL	104.1	NY Buffalo	1360
0949	WRSA	96.9	AL Decatur	1070	1000	WIAA	88.5	MI Interlochen	1010
1000	KWPM	93.9	MO West Plains	750	1005	WCMU	89.7	MI Mt. Pleasant	1060
8 Es 0930	KQED	88.5	CA San Francisco	1010	1006	WKJF?	93.9	MI Cadillac	1030
0940	KEAR	97.3	CA San Francisco	1010	1010	WQPM	93.3	WI Milwaukee	900
1025	KBBP	89.1	CA Santa Rosa	1010	1015	WLAV	96.7	MI Grand Rapids	1010
1030	KZST	100.1	CA Santa Rosa	1010	1020	WISN	97.3	WI Milwaukee	900
15 Es 1120	WVIC	94.7	MI East Lansing	1070	1021	WMTE	97.7	MI Manistee	990
1130	WREZ	94.5	NY Buffalo	1360	1023	WCEN	94.5	MI Mt. Pleasant	1060
1145	WDRQ	93.1	MI Detroit	1140	1030	WLKR	104.9	WI La Crosse	750
1150	CJOM	88.7	ON Windsor	1150	1031	WLVE	94.9	WI Baraboo	820
1153	WHFI	94.1	MS Jackson	1000	1035	WCWC	95.7	WI Ripon	860
1200	CKLW	93.9	ON Windsor	1150	1045	CFCA	105.3	ON Kitchener	1280
1205	CKSO	92.7	ON Sudbury	1320	1050	WKAU	104.9	WI Kaukauna	890
17 Es 0935	WYSU	88.5	OH Youngstown	1280	1051	WAPL	105.7	WI Appleton	880

WESTERN FM DX

(Clint McAuliffe-con't)

SEPTEMBER 1976

17 Es	1100	WHSB	107.7	MI	Alpena	1140	29 Es	1240	KSON	97.3	CA	San Diego	900
	1105	WERN	88.7	WI	Madison	820		1245	KDIG	98.1	CA	San Diego	900
	1140	KRRI	105.5	MN	St. Peter	620		1245	KPSD	94.1	CA	San Diego	900
	1140	WATK	104.9	WI	Antigo	870		1246	KPBS	89.5	CA	San Diego	900
	1200	WCAL	89.5	MN	Northfield	670		1247	KSDS	88.3	CA	San Diego	900
	1210	WIAL	94.1	WI	Eau Claire	750		1300	KGB	101.5	CA	San Diego	900
	1213	KTCR	97.1	MN	Minneapolis	670		1300	XHPF	101.9	BCN	Mexicali	830
	1215	KSTP	94.5	MN	St. Paul	670		1310	KITT	105.3	CA	San Diego	900
	1225	CJSD	94.3	ON	Thunder Bay	950		1313	KPRI	106.5	CA	San Diego	900
	1240	KYGR	96.7	MN	Grand Rapids	740		1314	KOZN	103.7	CA	San Diego	900
23 Es	1000	WABB	97.5	AL	Mobile	1170		1315	KEZL	102.9	CA	San Diego	900
26 Es	1120	WIRB	96.9	Enterprise		1260		1316	KFMB	100.7	CA	San Diego	900
	1124	WTLD	94.3	FL	Lake City	1450		1317	KLRO	94.9	CA	San Diego	900
	1130	WMTM	93.9	GA	Moultrie	1350		1318	KYXY	96.5	CA	San Diego	900
	1135	WJAD	97.3	GA	Brainbridge	1330		1322	KOLA	99.9	CA	San Bernardino	850
	1150	WBLX	92.9	AL	Mobile	1170		1330	KUOR	89.1	CA	Redlands	850
	1153	WMEZ	94.1	FL	Pensacola	1220		1336	KNOB	97.9	CA	Long Beach	910
	1155	WALT	97.1	MS	Meridian	1070		1340	KVCR	91.9	CA	San Bernardino	850
	1210	KDEH	97.7	LA	Natchitoches	890		1345	KLON	88.1	CA	Long Beach	910
	1220	WABC	105.5	MS	Waynesboro	1100		1350	KCSN	88.5	CA	Northridge	900
	1224	KCIL	107.1	LA	Houma	1110		1355	KJOI	98.7	CA	Los Angeles	900
	1230	KFRA	105.5	LA	Franklin	1060		1400	KDOL	97.7	CA	Mojave	850
	1305	WQJD	93.7	MS	Biloxi	1140		1401	KORK	97.1	NV	Las Vegas	660
	1335	WPCE	89.3	FL	Pensacola	1220		1415	KIMS	97.5	CA	Santa Barbara	960

The log to date currently is at 120 FM Stations heard outside the state of Colorado. I started DXing in May of this year and have so far heard 25 states as well as the countries of Canada and Mexico.

Good DX, Clint

Paul Wardell, 2104 S.E. 28th Place, Portland OR 97214 (7/19-7/22) (PDT)

Equipment: Heath AR-17, Archer Preamp, Rabbit Ears

Receiver Location: Rockaway Oregon

20 Tr	1055	KZAM	92.5	WA	Bellevue, RR	140	22 Es	2007	KMET	94.7	CA	Los Angeles, RR	840
22 Es	1110	KXFM	99.1	CA	Santa Maria, RR	760		2010	KPSD	94.1	CA	San Diego, CI	940
	2006	KYXY	96.5	CA	San Diego, EL	940							

(Thanks, Paul, for a good report. I hope you will continue reporting your DX in the future. -sw)

Jim Pizzi, 300 Park, Orcutt CA 93454 (7/7-7/27) (PDT)

7 Es	0823	KNFM	92.3	TX	Midland, \$EL	1067	21 Es	0950	KELO	92.5	IA	Sioux Falls, ID
13 Es	1639	KNUW	94.5	MT	Great Falls, \$RR			1003	KUSD	91.7	SD	Vermillion
14 Es	1654	KOAS	89.3	WA	Olympia, "K-Oss"		27 Es	1508	KCHU	90.9	TX	Dallas
	1704	KPLU	88.5	WA	Tacoma, CI			1508	KVTT	91.7	TX	Dallas
	1705	KPEC	90.9	WA	Tacoma			1509	KAFM	92.5	TX	Dallas
	1707	KTCY	91.7	WA	Tacoma			1510	KFWD	102.1	TX	Fort Worth
	1707	KZAM	92.5	WA	Bellevue, \$RR			1511	KTLG	100.3	TX	Dallas
	1710	KEZE?	105.7	WA	Spokane, Dem.Conv.rp.			1511	KPLX?	99.5	TX	Fort Worth
	1713	KLSM	92.9	WA	Bellingham, \$RR			1511	KNUS	98.7	TX	Dallas, RR
	1714	KUOW	94.9	WA	Seattle			1512	KZEW	97.9	TX	Dallas, RR
	1716	KTNT	97.3	WA	Tacoma			1513	KWXI	97.1	TX	Fort Worth, RR
	1716	CBUF	97.7	BC	Vancouver, FF			1514	KMWT	95.9	TX	Mineral Wells, ID
	1718	KBRO	106.9	WA	Bremerton, C&W			1516	KWJS?	94.9	TX	Arlington, REL
	1722	KIRO	100.7	WA	Seattle, EL			1518	KSEL	93.7	TX	Lubbock, C&W, ID
	1657-1721	UnIDS	91.5, 92.3	\$RR,	103.9,			1524	KDNT	106.1	TX	Denton, RR
	96.5	"Quad"	EL,	104.3	C&W,	98.5	EL	1524	KNOK	107.5	TX	Fort Worth, SOL
18 Es	1331	KNUW?	94.5	MT	Great Falls, RR			1524	KEKL?	104.5	TX	San Antonio, RR
	1434	KUOW	94.9	WA	Seattle, CI			1524	KTFM?	102.7	TX	San Antonio, EL
	1435	KZAM	92.5	WA	Bellevue, RR			1526	KDTX	102.9	TX	Dallas, REL
	1438	KETO?	101.5	WA	Seattle, C&W		29 Es	Probably induced by MS of the past three days.				
	1438	KUTI	104.1	WA	Yakima, C&W			1014	KANW	89.1	NM	Albuquerque, mono
20 Es	1828	KAFM	92.5	TX	Dallas, RR, \$, ID			1014	KTDB?	89.7	NM	Ramah
	1828	KVTT	91.7	TX	Dallas, RR			1017	KACV	89.9	TX	Amarillo
	1829	KCHU	90.9	TX	Dallas,			1018	KUNM?	90.1	NM	Albuquerque, o/KCEB
	1830	KJCK?	94.5	RR				1018	KCHU?	90.9	TX	Dallas
	1832	KNOK	107.5	TX	Fort Worth, ID			1019	KIPC?	91.5	NM	Albuquerque, o/KCSB
	1833	KGAP	94.5	TX	Gainesville, C&W			1020	KRST	92.3	NM	Albuquerque, RR
	1835	KETR	88.9	TX	Commerce			1020	KAFM?	92.5	TX	Dallas, RR
	1836	KSUC	88.3	TX	Keene,			1020	KSVF?	92.9	NM	Artesia, EL
	1838	KCBI	89.3	TX	Dallas							

WESTERN FM DX

(Jim Pizzi, Continued)

SEPTEMBER 1976

29 Es 1020 WPUZ? 93.7 FL Ocala, EL (2Es)
 1020 KGAF? 94.5 TX Gainesville, C&W
 1020 WDNJ? 94.5 FL Daytona Beach, EL
 1022 MUF @ Ch. 8
 1031 WRBQ 104.7 FL Tampa, wx, "Q-105",
 RR, Double-hop Es, 2280 miles
 1045 KNOK 107.5 TX Fort Worth, SOL
 1054 KNTQ 103.3 TX Wichita Falls, ID
 1101 KJAK 100.5 OK Oklahoma City
 1102 KPJL 98.9 OK Oklahoma City
 1102 KPHD? 102.3 OK Duncan
 1106 KPAN 106.3 TX Hereford, ID @ 1127
 1118 MUF @ Ch. 9
 1128 KESO 102.3 NM Espanola, C&W, mono
 1129 KPUN 100.9 NM Las Vegas, ID
 1131 KPAR 100.3 NM Albuquerque, \$
 1134 KRSM 98.5 NM Los Alamos, \$
 1136 KPOE 94.1 NM Humble City, C&W
 1143 KTDG 89.7 NM Ramah, Indian mx
 1153 KMYR 99.5 NM Albuquerque, ID
 1156 KUPK 97.3 KS Garden City, ID
 1201 KDJQ 97.9 CO Pueblo, RR
 1202 KVMN 98.9 CO Pueblo, ID@1206
 1207 KSKG 99.9 KS Salina, RR
 1209 KDZA 100.7 CO Pueblo, "Z-100"
 1212 KFDI 101.3 KS Wichita
 1213 KSWT 107.7 KS Topeka, K-Sweet
 1214 KARD 107.3 KS Wichita
 1215 KLZ 106.7 CO Denver, "Z-107", RR
 Total now 409

29 Es 1217 KMYD 105.5 CO Security, \$nx
 1218 KTFK? 106.9 KS Topeka, C&W
 1221 KVMN? 104.7 CO Vail, C&W
 1221 KRLN 103.9 CO Cannon City, ads
 1222 KJLS 103.3 KS Hays, C&W, o/KRUZ
 1227 KLAQ 107.5 CO Lakewood, C&W
 1231 KBPI 105.9 CO Denver, \$RR
 1232 KADK 105.1 CO Denver, EL
 1233 KVOD 99.5 CO Denver, CI
 1235 KROA 95.7 NE Grand Island, ID
 1237 KBRU 101.7 CO Fort Morgan, C&W, ID
 1243 KUVR 97.7 NE Holdrege, ID
 1245 KRGI 96.5 NE Grand Island
 1248 KGOR 99.9 NE Omaha
 1249 KEZO 92.3 NE Omaha, EL
 1250 KFMQ 101.9 NE Lincoln, RR
 1251 KLIN 107.3 NE Lincoln, EL
 1252 KXXX? 100.3 KS Colby, RR
 1255 KTCC? 91.9 KS Colby, RR (10w1)
 1256 KTOY 91.7 WA Tacoma, ID@1300
 1311 KUSD 89.7 SD Vermillion, ID
 1337 KIJV 92.1 SD Huron, C&W
 1337 KDLO 96.9 SD Watertown, ID
 1356 KOLY 99.5 SD Mobridge, \$EL
 1401 KBRM 94.5 ND Bismark, \$EL
 1406 KRSW? 91.7 MN Pipestone, CI
 1451 CFMQ 92.1 SK Regina, \$EL
 1452 KCGM 95.7 MT Scooby, BB game
 1452 KLCM 95.9 MT Lewistown, EL, ID

Danny Buntin, 1020 S. Duncan, Stillwater OK 74074 (CDT) (7/12-8/7)

Present log totals: 626 Equipment: Pioneer TX-9100 tuner, Antennacraft 10-el antenna.

12 Es 2150 WINS 99.3 OH Coshocton, ID
 2152 WDD 104.7 PA Pittsburgh, ID
 2156 WPEZ 94.5 PA Pittsburgh, ID
 15 Es 1814 WBJW 105.1 FL Orlando, ad
 1826 WEQR 96.9 NC Goldsboro, REL, ad
 22 Tr 0130 KCBT 89.3 TX Dallas, ID
 24 Es 1210 unID 88.3 soon out
 25 Es 1546 WPKI 95.1 SC Charleston, ID, wx
 1612 WAWK 93.3 IN Kendleville, ID
 1621 WVIC 94.9 MI E. Lansing, ad
 26 Es 1135 unID 93.3 "Boogie Radio \$93 for
 the mid-south" (WFDK, Manchester -sw)
 1141 WPCB 94.9 GA Atlanta, ID
 1144 WLTA 99.7 GA Atlanta, ad
 1148 WLOW 95.9 SC Aiken, ID
 1150 WCRY 107.9 GA Macon, ID, EL
 1155 WELE 105.9 FL De Land, ID, ad
 1158 WJEW 103.1 SC Hampton, ad
 1200 WACL 103.3 GA Waycross
 1205 WDIZ 100.3 FL Orlando
 1207 WJCL 96.5 GA Savannah, ad
 1209 WEAS 93.1 GA Savannah, SOL
 1214 WBEU 98.7 SC Beaufort, C&W, wx
 1223 WMAZ 99.1 GA Macon, wx
 1224 WBJW 105.1 FL Orlando, "BJ-105"
 1230 WRES 106.1 AL Alexander City, nx
 1234 WCGQ 107.3 GA Columbus, ID
 1236 WWRH 104.9 GA Columbus, ad
 1240 WPGA 100.9 GA Perry, ad
 1256 WLOQ 103.1 FL Winter Park, ad
 1256 WCKS 101.1 FL Cocoa Beach, CK-101
 1315 WDBO 92.3 FL Orlando, ID
 1316 WJAC? 95.1 FL Jacksonville, ID as
 "Rock-95"

26 Es 1321 WATV 96.9 FL Jacksonville, ID
 2103 WDUQ 90.5 PA Pittsburgh, ID
 27 Es 1030 WWLL 97.3 NC Wilmington, ID
 1050 WNCT 107.7 NC Greenville, REL
 1052 WQTT 103.1 NC Dunn, ID
 1055 WOMA 94.9 FL Tallahassee, ID
 1059 WFPD 88.5 NC Winston-Salem, ID
 1846 WSAJ 88.9 NC Raleigh, ID, SOL
 28 Es 1200 KVMN 96.9 TX McAllen, REL
 (first Es from neighboring TX)
 1201 KDUV 100.3 TX Brownsville, ad
 1207 KQXX 98.5 TX McAllen, SS
 1241 KPRI 106.5 CA San Diego, RR, ad
 1249 KWXY 98.5 CA Cathedral City, wx
 1258 KXTC 92.3 AZ Glendale-Phoenix, ID
 1300 KJOK 93.1 AZ Yuma, ID
 1302 KAPX 107.9 CA San Clemente, EL
 1304 KWAO 106.3 AZ Sun City, ID
 1308 KOZN 103.7 CA San Diego, \$, ad
 1312 KPMB 100.7 CA San Diego, "B-100FM"
 1315 KBEL 99.1 CA Riverside, REL
 1327 KMET 94.7 CA Los Angeles
 1330 KKOP 93.5 CA Redondo Beach
 1331 KLVE 107.5 CA Los Angeles, SS
 1332 KBIG 104.3 CA Los Angeles, RR, wx
 1335 KIIS 102.7 CA Los Angeles, ad
 1342 KHAY 100.7 CA Ventura, C&W
 1345 KHOP 99.5 CA Los Angeles, wx, ad
 1350 KORK 97.1 NV Las Vegas, ID
 1352 KPMS 101.9 NV Las Vegas, ID, ad
 1355 KLLC 98.5 NV Las Vegas, RR, ID
 1400 KALJ 95.1 AZ Yuma, wx
 1405 KPSS 94.1 CA San Diego, nx
 1411 KBEC 98.7 AZ Phoenix, ID, RR

28 Es 1415 KMEO 96.9 AZ Phoenix, "Cameo"
 1416 KNTX 102.5 AZ Phoenix, ID
 1417 KGB 101.5 CA San Diego, ad
 1421 KKHI 95.7 CA San Francisco
 1426 KSPX 103.7 CA San Francisco
 1436 KNAL 99.7 CA San Francisco
 1437 KEAR 97.3 CA San Francisco, REL
 1438 KMTW 96.5 ID Twin Falls
 1442 KFXD 94.9 ID Nampa-Boisie, ID
 1450 KBEK 92.3 ID Boise, ID, RR
 1459 KUNR 88.7 NV Reno, s/off
 1500 KKBC 97.3 NV Carson City-Reno, RR
 1505 KRKL 94.1 ID Caldwell, ad, weak
 1541 KWIQ 100.3 WA Moses Lake, C&W, ID
 1631 KIT 94.5 WA Yakima, ad, ID

Most of Missouri affected by this opening, thus many relogs on 8/7. It was the first major outbreak of tropo this year. I really loved the way the Es on 7/28 ventured all over the Western U.S., from the southern tip of Texas to southern Washington state.

28 Es 1632 KADQ 94.3 ID Rexburg, ID, ad
 2 Tr 1159 KEMF 98.3 TX Spearman, ID, ad
 1256 KACV 89.9 TX Amarillo, ID
 1300 KGNC 97.9 TX Amarillo, EL, ID
 2031 KSUC 88.3 TX Keene, ID, wx
 2040 KHRR 102.5 TX Hillsboro, ad
 7 Tr discovered high powered KLCO, KINE, and KMAG @ 165mi. maximum strength on S Meter. I found most Memphis stations
 2029 WKNO 91.1 TN Memphis, ID
 2034 WZKR 102.7 TN Memphis, ID, C&W
 2100 KSKR 101.7 AR Mena, nx, ID
 2115 KTMO 98.9 MO Kennett, C&W, ID
 2135 KGMO 100.7 MO Cape Girardeau, RR
 2142 KFMP 102.9 MO Cape Girardeau, wx
 2200 KZNN 105.3 MO Rolla, ID

73's

Pat Dyer 5315 Silvertip Drive, San Antonio TX 78228 (7/7- 7/29) CST

Equipment: Allied 426, Hallicrafters SX-62 with International Crystal SAX-1 preamps, Archer V-100 @ 20' w/rotor.

7 Es 0902 WIAA? 88.3 MI Interlochen 1255
 0906 WGLL 91.1 MI Houghton, nx, ID
 0915 WWJO 98.1 MN St. Cloud 1140
 0922 KSTP? 94.5 MN St. Paul, EL 1110
 0928 WQXO 98.5 MI Munising, PSA 1330
 0933 WBEV 95.3 MI Beaver Dam, ad 1105
 0941 WLAL 94.1 WI Eau Claire, ID 1125
 0952 WRNS 95.1 NC Kinston, ad 1275
 0955 WSHA 88.9 NC Raleigh, ID 1230
 0958 WMPR 88.1 SC Sumter, ID 1110
 1002 WLOA 96.9 PA Braddock, wx 1290
 1007 WENC? 99.1 NC Whiteville 1200
 1009 CHFI? 98.1 ON Toronto 1435
 1010 WCEN? 94.5 MI Mt. Pleasant, RR
 1016 WCMU 89.5 MI Mt. Pleasant, ID
 1036-1050 lull
 1052 WQDR 94.7 NC Raleigh, RR 1230
 1058 WLXN 94.1 NC Lexington, nx 1150
 1058 WHPE? 95.5 NC High Point, REL
 1105 MUF @ 107.3
 1107 WPMK? 105.7 NC Statesville, C&W
 1107 WRQK? 98.7 NC Greensboro, ad
 Tr 1109 KOOI 106.5 TX Jacksonville 260
 Es 1117 WPVR 94.9 VA Roanoke, ID 1195
 1120 WMEV 93.9 VA Marion, nx 1100
 1619 CJOM? 88.7 ONT Windsor, MoR 1230
 1635 CBL? 94.1 ONT Toronto, CL 1435
 1639 WEKR 95.3 OH Norwalk, ID 1200
 1658 WPTW 95.7 OH Piqua, ID 1085
 1659 WDBN 94.9 OH Medina, ID 1230
 1700 WHIO 99.1 OH Dayton, ID 1075
 1727 WFOB 96.7 OH Fostoria, PSA 1170
 1727 WIUC 98.3 IN Winchester, ID
 1731 WFMS 95.5 IN Indianapolis 995
 1741 WQTC 92.3 IN Bloomington, ads
 1754 WAUP? 88.1 OH Akron, JAZ 1240
 1805 WJUM 94.3 TN Lewisburg, ID 800
 1816 WPRO 99.1 OH Fremont, ad 1190
 1822 WNCT 97.9 OH Columbus, ID 1135
 1945 WEKU 88.9 KY Richmond, ID 995
 1949 WEKY? 91.3 KY Lexington 995
 8 Local KSAQ-100.3 now back w/reduced power & temporary antenna system.
 9 Es 1125 KPBS? 89.5 CA San Diego 1120

9 Es 1125 KSDS? 88.3 CA San Diego 1120
 1125 KCSN? 88.5 CA Northridge 1210
 1127 KLOS 95.5 CA Los Angeles 1190
 1727 WYSU? 88.5 OH Youngstown, CL 1275
 1727 WKSU? 89.7 OH Kent 1255
 1727 WAUP? 88.1 OH Akron, JAZ 1240
 1731 WDBN? 94.9 OH Medina, EL 1230
 1733 WGRQ 96.9 NY Buffalo, "Q-FM"
 1733 WBBC? 94.1 OH Canton, EL 1235
 1734 WGCL? 98.5 OH Cleveland, RR 1250
 1737 WKEM? 106.5 OH Cleveland, German
 1737 WCLW? 105.3 OH Mansfield 1180
 1739 WDMT? 107.9 OH Cleveland, RR 1250
 1745 WCLV? 95.5 OH Cleveland, CL 1250
 1748 WPTW 95.7 OH Piqua, 'col ad 1085
 1759 WLKR 95.3 OH Norwalk, ID 1200
 1801 WRCR? 94.3 IN Rushville, BB Game
 1808 WLGW? 98.3 OH Logan, RR
 1810 WYAN 95.9 OH Upper Sandusky, ad soon very spotty
 2007 KCSM? 88.5 CA Northridge, CL
 2007 KCRW 89.9 CA Santa Monica 1210
 2010 KLLJ? 89.7 CA Riverside 1140
 2020 KSDS? 88.3 CA San Diego 1120
 2020 KPCS 89.3 CA Pasadena, ID 1185
 2020 KPOL? 93.9 CA Los Angeles, EL
 2020 KMET 84.7 CA Los Angeles 1185
 2023 KVIM? 93.7 CA Coachella, SS 1070
 2023 KBBL? 99.1 CA Riverside, REL
 2023 KTYD? 99.9 CA Santa Barbara, RR
 2023 KHAY 100.7 CA Ventura, C&W 1250
 2025 KBCA 105.1 CA Los Angeles, JAZ
 2027 KOTE? 106.3 VA Lancaster, EL 1190
 2028 KWST 105.9 CA Los Angeles, RR
 2030 KOST? 103.5 CA Los Angeles, EL
 2030 KRUZ 103.3 CA Santa Barbara, EL
 2040 KDAR? 98.3 CA Oxnard, EL 1240
 2047 KNOB 97.9 CA Long Beach, ad
 2053 KUSC? 91.5 CA Los Angeles, EL
 2102 KQYN? 95.7 CA 29 Palms, ABC nx
 2106 KLOS? 95.5 CA Los Angeles, RR
 2111 KLRO? 94.9 CA San Diego, REL
 2112 KPSD? 94.1 CA San Diego, CL
 2112 KSDS? 88.3 CA San Diego 1120

9 Es
 2133 KPBS? 89.5 CA San Diego
 11 Es
 1850 WERN? 88.7 WI Madison
 1900-1910 UnIDs to 99.9
 1914 WTMB? 98.9 WI Tomah
 1916 WSPT 97.9 WI ID 1150
 1918 WPNE? 89.3 WI Green Bay
 2030 KPTM? 89.3 ND 1240
 2049 KYTN 94.7 ND EL, ID
 12 Es
 1828-1839 UnIDs 88.1, 89.3
 1913 WJCT? 89.9 FL opera 1015
 1915 WPSU? 91.5 FL CL 885
 1919 WPCS? 89.3 FL REL 685
 1922 WJAX? 95.1 FL RR 1015
 1922 WKSJ? 94.9 AL 630
 1922 WPTW? 99.3 FL Ft. Wltn.
 1923 WUSF? 89.7 FL CL 985
 2002 WVFM 94.1 FL EL, ID 1010
 2016 WMCU? 89.7 FL REL 1150
 2227 WFMJ? 89.3 ND brief
 14 Es
 1330 KAWY 94.5 WY ads 1015
 1331 KPBC 97.9 WY ad 875
 1355 KUAD 99.1 CO RR, 840
 "Quad-99"
 1403 KKLS? 93.9 SD RR 1040
 1430 KOLL 93.5 WY ID 1090
 15 Es
 1213 KXTZ? 94.1 NV EL 1040
 1218 KILA? 95.5 NV REL 1040
 1222 KTRI 92.3 NV C&W 1050
 1420 WQED? 89.3 PA 1280
 1420 WPEZ? 94.5 PA RR 1280
 1425 WYSU? 88.5 OH CL 1275
 1517 WMCU? 89.7 FL REL 1150
 1553 CJOM? 88.7 ON RR 1230
 1605 UnIDs through 100MHz
 1605 WQFL 100.9 IL ID 1030
 (my first 100.9 logging)
 1606 WKEE 100.5 WV ID 1100
 1608 KLOA 96.9 PA ID 1290
 1609 WLAC 105.9 TN ad 820
 1611 WVEZ 106.9 KY 945
 1611 WKRA 105.9 VA ad 1365
 1616 WEZR 106.7 VA "EZ" 1355
 1617 WBDY 106.3 VA 1125
 1617 WKPT? 98.5 TN 1045
 1617 WRSW 106.7 OH spts 1080
 1626 WKLC 105.1 WV ad 1135
 1627 WSKV? 104.9 KY (-KV?)
 1629 WRFB 105.3 MD ads 1305
 1630 WTLG 105.7 IN ID 995
 1631 WEMM 107.9 WV 1100
 1635 WANY? 106.3 KY ad
 1647 WOVQ 105.5 KY ad 890
 1700 WRGT 106.5 WV wx
 1744 WBCI? 96.5 VA
 1800 WETS 89.5 TN ID 1050
 1801 WRVQ 94.5 VA RR 1325
 1802 WRQK 94.5 NC RR 1175
 1818 WPVR 94.9 VA ad 1195
 1824 WJLM 93.5 VA BB 1190
 1830 f/outs

16 Es
 1333 WYSU? 88.5 OH CL
 1339 WQOD? 93.3 OH RR
 1342 WHBC? 94.1 OH EL
 1342 WKBN? 98.9 OH EL
 1350 WTOP 98.1 OH REL
 1352 WGCL 98.5 OH
 1352 WDBN 94.9 OH ad
 1357 WCUE 96.5 OH ID
 1401 KKLS 93.9 SD ID
 1420 WFBQ 94.7 IN ID
 1422 WBPQ? 98.7 MI REL
 1428 WTKI 100.5 IN ID
 1429 WQRS? 105.1 MI CL
 1430 WGMZ 107.9 MI ID
 1433 WJML 98.9 MI promo
 1434 WHFI 94.1 MI FM-94
 1434 WCLT 100.3 OH ID
 1444 WITL 100.7 MI ad
 1448 WTLC 105.7 IN ID
 1454 WKLR 99.9 OH ID
 1455 WLHN 97.9 IN ad
 1502 WPMO 95.5 IN ad, ID
 1505 WVMO 98.3 MI ad
 1506 WPRO 99.1 OH wx
 1507 WERT 98.9 OH nx
 1510 WJMK? 97.9 MI ethnic
 1511 WKCQ 98.1 MI polkas
 1516 WWTZ 103.3 IN EL, ID
 1519 WLEB 104.1 IN ads
 1529 WERN 88.7 WI ID
 1559 WPNE 89.3 WI ID
 lull to 1614 then spotty 88's
 2058 unID 88.1 brief
 17 Es
 1829 unIDs 89.3, 89.5, 88.5
 1834 WIAL? 95.1 WI EL 1125
 1838 unIDs 93.3, 95.3, 98.9, 100.7
 1838 WBIZ? 100.7 WI RR 1125
 18 Es
 1149 WYSU? 88.5 OH RR
 1149 WHBC? 94.1 OH EL
 1151 WKSU? 98.7 OH CL
 1151 WAUP? 88.1 OH Akron
 1153 WUJC? 88.9 OH JAZ
 1159 WLKR? 95.3 OH RR
 1200 WKBN? 98.9 OH
 1201 WFRW 94.5 OH nx
 1201 WLYT? 92.3 OH RR
 1213 WFBG? 98.7 MI REL
 1215 WHFI 94.1 MI EL, ID
 1216 WFBQ? 95.1 MI CL
 1222 WKAR? 90.5 MI
 1538-1600 UnIDs to 97.9
 1601 KQDY 94.5 ND ID
 1629 WPNE 89.3 WI ID
 1629 WERN 88.7 WI
 1658 WAUP? 88.1 OH JAZ
 1659 WOSU 89.7 OH ID
 1700 WCDR 90.3 OH ID
 1700 WFCJ? 93.7 OH REL
 1700 WDBN 94.9 OH EL
 1701 WCUE? 96.5 OH RR
 1701 WCLV? 95.5 OH CL
 1702 WGCL? 98.5 OH RR
 1708 WTOP? 98.1 OH REL
 1709 WHBC? 94.1 OH EL

18 Es
 1275 1717 WIUC 98.3 IN ad 1060
 1275 1718 WPRO 99.1 OH ID 1190
 1235 1727 WIDM? 95.5 MI EL 1225
 1275 1733 WAHX? 99.5 MI u/CLISS
 1235 1737 WMZK 97.9 MI Arabic
 1250 1747 WKCQ? 98.1 MI C&W 1250
 1230 1749 WVMO 98.3 MI ad 1200
 1240 1759 WANG 98.5 MI ID 1125
 1040 1800 WLKI 100.1 IN FM-100
 995 1801 MUF to 107.9
 1225 1807 WKEE 100.5 WV ads 1100
 1035 1809 WRIP 101.1 MI ID 1225
 1225 1812 WITL 100.7 MI ad 1200
 1240 1815 WFWA 106.3 IL ads 895
 1320 1820 WPMK 99.1 MI ID 1195
 1180 1825 WPMI 98.7 IL ID 1045
 1165 1850 WBLI 95.3 IL ID 985
 1200 1920 WBEZ 91.5 IL opera 1045
 995 1922 WMBI 90.1 IL REL 1045
 1165 19 Es
 1030 2118 WPNE? 89.3 WI CL 1190
 995 2118 WERN? 88.7 WI 1065
 20 Es
 1190 1710 UnID 88.1
 1100 21 Es
 1050 UnIDs to 99MHz
 1250 1055 WDAI? 94.7 IL RR 1045
 995 1058 WKKD 95.9 IL ID 1020
 1045 1100 WPMR 96.5 WI CL 1100
 1065 1102 WZUU 95.7 WI RR 1000
 1190 1103 WHBL? 97.7 WI Sheboygan
 1130 WPNE 89.3 WI 1190
 1138 WERN 88.7 WI ad 1065
 1141 WBEV 95.3 WI ad 1105
 1147 WHAD 90.7 WI 1095
 1154 WHHI 91.3 WI 1040
 1133 WMCU 89.7 FL EL, ID 1150
 1125 1440 WINZ? 94.9 FL MoR 1150
 1441 WEDR? 99.1 FL SOL 1150
 1275 1449 WBUS 93.9 FL ID 1150
 22 Es
 1255 1135 KALJ 95.1 AZ Yuma 970
 1150 KVIM? 93.7 CA SS 1070
 1151 UnIDs 94.5, 96.5
 1224 KALL? 94.1 UT EL 1080
 1224 KBVU? 88.9 UT CL 1045
 1224 KUER? 90.1 UT disco 1080
 1227 KCPX? 98.7 UT RR 1080
 23 Es
 0929 WZUU 95.7 WI ID 1100
 0944 WDOR 93.9 WI ID 1225
 0944 WTTN 94.1 WI ad 1090
 0952 WFRL 98.5 IL ID 1000
 0952 WSPT 97.9 WI ad 1150
 0953 WIMB 98.9 WI wx 1300
 0955 WKMT 93.5 WI 1190
 0957 WDMP 99.3 WI ads
 0959 MUF to 107.9
 0959 WAPL 105.7 WI ID 1165
 1004 WDLB 106.5 WI EL 1145
 1007 KRCC 106.9 MN ID 1060
 1014 WCFW 105.5 WI ID 1140
 1020 KAUS 99.9 MN ad 1035
 spotty 88-90 to 1030
 1130-1134 UnIDs 93.3, 93.9
 1235 1525 UnID 88.9

24 Es 1200 unIDs - busy on 50MHz.

Table with columns: Frequency, Call Sign, Band, and other details. Includes stations like WWWW, WCLW, WLLS, etc.

Table with columns: Frequency, Call Sign, Band, and other details. Includes stations like WRCJ, WHOK, WCLV, etc.

Table with columns: Frequency, Call Sign, Band, and other details. Includes stations like WJVL, WJVM, WDOR, etc.

26 Es

Table with columns: Frequency, Call Sign, Band, and other details. Includes stations like WWWW, WCLW, WLLS, etc.

Table with columns: Frequency, Call Sign, Band, and other details. Includes stations like WRCJ, WHOK, WCLV, etc.

Table with columns: Frequency, Call Sign, Band, and other details. Includes stations like WJVL, WJVM, WDOR, etc.

27 Es

Table with columns: Frequency, Call Sign, Band, and other details. Includes stations like WWWW, WCLW, WLLS, etc.

Table with columns: Frequency, Call Sign, Band, and other details. Includes stations like WRCJ, WHOK, WCLV, etc.

Table with columns: Frequency, Call Sign, Band, and other details. Includes stations like WJVL, WJVM, WDOR, etc.

On July 29, the Es did get in to the VOR's, and I've heard several comments on 144MHz Es between CA and TX on this date. The last week of July produced better FM Es openings in MUF and geographical extent than did any comparable period in June. Total is well over 1000 now with close to 800 via Es. It just comes so much in so short of a time that it seems I never really do catch up with things. (sorry to hear that, Pat. -sw)

73, Pat

Dennis Smith, 50 Manzanita Way, Paradise CA 95969 (no report this time, just a note) I hope to get set up for DXing eventually here in Paradise. Consistent conditions look good. Our elevation is about 2000', so Sacramento is quite "local" in strength. San Francisco FM & VHF is fair-good here. UHF from Sacramento is good, from San Francisco fair, Best of DX, Dennis (I hope to hear from you again soon. -sw)

Steven C. Wiseblood, 707 Loma Way, Santa Maria CA 93454 (20 July -17 Aug) (PDT)			
20 Es	1746 KNBT? 92.1 TX New Braunfels, REL	29 Es	1138 KAPG 102.7 OK OKC, \$RR 1281
	1804 KITTY 92.9 TX San Antonio, MoR 1326		1138 KOPM 104.1 OK OKC, \$porg, RR, ID
	1807 KEEZ 97.3 TX San Antonio, RR 1326		1141 KBBB 104.3 TX Borger, REL, mono
	1808 KQXT 101.9 TX San Antonio, EL 1326		1141 KGOY 104.9 OK Bethany, REL 1275
	1820 KISS 99.5 TX San Antonio, \$ad 1326		1145 KMYR 99.5 NM Albuquerque, \$RR
	1822 KGAF 94.5 TX Gainesville, MoR 1319		1148 KFUN 100.9 NM Las Vegas, mono, nx
	1825 KAFM 92.5 TX Dallas, "K-FM", RR		1154 KRST 92.3 NM Albuquerque, \$RR
	1830 KSCR 95.7 NM Hobbs, \$C&W 994		1154 KBLJ 92.1 CO La Junta, \$C&W 948
	1831 KRIM 94.9 NM Roswell, MoR, mono		1155 KAVI 95.9 CO Rocky Ford, mono
	1831 KPOE 94.1 NM Humble City, \$EL, ID		1159 KGNW 95.5 KS Dodge City, \$nx
	1833 KBSS 93.9 TX Fort Worth, SS 1335		1200 KVMN 98.9 CO Pueblo \$nx, still EL?
22 Es	1059 KISM 92.9 WA Bellingham, \$, SGR 963		1201 KDJQ 97.9 CO Pueblo, RR, ID
	1101 KZAM 92.5 WA Bellevue, \$, RR 875		1202 KPUB 99.9 CO Colorado Spns., \$RR
	1102 KTOY 91.7 WA Tacoma, mono, nx 864		1203 KZLO 100.7 CO Pueblo, \$RR/Hits,
	1103 KPEC 90.9 WA Tacoma, mono, nx 864		"FM Stereo Z-100 Spreading the spirit
	1105 CKOK 97.1 BC Penticton, \$Prog, RR		of the Rockies.", wx @ 1207
	1108 KERI 104.3 WA Bellingham, ad 963		1207 KXXX 100.3 KS Colby, "K-triple-X"
	1114 KUOW 94.9 WA Seattle, \$, CL 879		1210 KICT 95.1 KS Wichita, REL 1284
	1932 KISM 92.9 WA Bellingham, \$RR 963		1212 KKFPM 96.5 CO Colorado Spns., \$RR
	1932 KIXI 95.7 WA Seattle, EL 879		1220 KPIK 93.9 CO Colorado Spns., C&W\$
	1934 KYAC 96.5 WA Seattle, SOL, ads 879		1224 KSPZ 92.9 CO Colorado Spns., \$RR,
	1938 KRIQ 105.3 WA Edmonds, ad, wx 890		"Z-93"
	1940 KPQ 102.1 WA Wenatchee, EL 880		1228 KVRH 92.1 CO Salida, mono, RR/MoR
	1941 KREW 96.7 WA Sunnyside, lite RR		1230 KWBE 92.9 NE Beatrice, ID, wx
	1949 KPEC 90.9 WA Tacoma, RR 864		1233 KVMY 104.7 CO Vail, mono, Ae nx, ID
	1949 KTOY 91.7 WA Tacoma, RR 864		1244 KRCA 95.5 NE Grand Island, EL,
	1949 KZAM 92.5 WA Bellevue, Prog, RR		"Central Nebraskas beautiful sound", EL
	1950 KGON 92.3 OR Portland, Prog, RR 741		1245 KRGI 96.5 NE Grand Island, \$C&W
	1953 KUPF 94.1 WA Seattle, \$C&W 879		1248 KUVR 97.7 NE Holdrege, mono, MoR
	1954 KUOW 94.9 WA Seattle, \$, discuss.		1248 KKNY 98.9 NE Kearney, mono, RR
	1955 CBUP 97.7 BC Vancouver, PF 1000		1253 KRYM 93.1 NE Lexington, mono, MoR
	1955 KISW 99.9 WA Seattle, FM-100, RR		1254 KUOW 94.9 WA Seattle, NPR, CL
	1956 KSEA 100.7 WA Seattle, \$EL 879		1300 KZAM 92.5 WA Bellevue, Prog. RR
	1956 KETO 101.5 WA Seattle, \$C&W 879		1330 KPQX 92.5 MT Havre, \$nx
	1958 KUPL 98.5 OR Portland, EL 741		1331 KNUW 94.5 MT Great Falls, ads
	1959 CPMS 98.5 BC Victoria, opera 951		1332 KWYR 93.7 SD Winner, Ae nx, \$MoR
	2000 KJIB 99.5 OR Portland, \$EL 741		1348 KKLS 93.9 SD Rapid City, RR
	2001 KRAB 107.7 WA Seattle, JAZ 741		1355 KOLY 99.5 SD Moberg, \$RR/Hits
	2002 KELA 102.9 WA Centralia, Mutual nx		1458 CKUA 97.3 AT Medicine Hat, seems
	2009 KTEP 88.5 WA Tacoma, \$CL 864		CBC, sat. of CKUA Edmonton
	2010 KING 98.1 WA Seattle, \$CL 879		1502 CKRP 97.7 SK Regina, mono, PF
27 Es	1435 KDKE? 95.5 TX Austin, EL 1355	31 Es	1523 KZEW 97.9 TX Dallas, nx 1349
	1436 KITTY 92.9 TX San Antonio, lite-RR		1525 KVIL 103.7 TX Dallas, ID
	1438 KEEZ 97.3 TX San Antonio, "Rock-97"		1534 KNUS 98.7 TX Dallas, K-News-99
	1440 KOKE 101.5 TX Brownwood, \$C&W 1250		1547 MUF @ 107.5!
	1445 KULM 98.3 TX Columbus, C&W, ID	2 Es	1326 XHEC 91.9 COH Sabinas, Latin pop
	1448 KLEJ 93.7 TX Austin, RR 1355		1426 KPJH 94.3 TX Fort Stockton, MoR,
	1452 KWSJ 94.9 TX Arlington, REL 1339		"Serving all of W. Texas from Ft. Stock."
	1456 KCIR? 107.9 TX Corsicana, EL 1315		1428 KDLK 94.3 TX Del Rio, RR, ID
	1456 KVLL 103.7 TX Highland Park-Dallas		1435 KPAS 93.9 TX El Paso, REL 826
	1457 KDIT 102.9 TX Dallas, REL/C&W 1349		1436 KRWG 90.7 NM Las Cruces, nx
	1504 KWKI 97.1 TX Fort Worth, "FM-97"		1437 KTEP 88.5 TX El Paso, CL 826
	1505 KZEW 97.9 TX Dallas, RR, YL dj		1438 KEZB 96.3 TX El Paso, \$EL
	1506 KNUS 98.7 TX Dallas, "K-News-99",		1438 XHTO 104.3 CHIH Cd. Juarez, \$LAT
	\$SGR, RR		1439 KLOZ 102.1 TX El Paso, \$C&W 826
	1509 KPLX 99.5 TX Fort Worth, MoR/EL		1440 KTSM 99.9 TX El Paso, \$RR
	1509 KIXY 94.7 TX San Angelo, \$, RR, ID		1442 XHPY 98.3 CHIH Cd. Juarez, \$MoR
	1512 KGAF 94.5 TX Gainesville, mono		1451 KNFM 92.3 TX Midland, \$MoR 1066
	1514 KXOX? 96.7 TX Sweetwater, EL 1340		1454 KOYL 97.9 TX Odessa, \$C&W, Ae nx
	1515 KMEZ 100.3 TX Dallas, "EZ-100",	11 MS	1306 KEZR 106.5 CA San Jose, wx 175
	"You're never far away from your fav-	12 MS	1014 KSET 94.7 TX El Paso, EL 826
	orite good music"		1014 KPAS 93.9 TX El Paso, REL 826
	1519 KBID 92.9 TX Wichita Falls, \$RR	13 MS	1021 KBLJ 92.1 CO La Junta, C&W 948
	1521 KESS 93.9 TX Fort Worth, mono, SS	14 MS	1234 KTRI 92.3 NV Las Vegas, \$C&W, 305
29 Es	1130 KRSN 98.5 NM Los Alamos, nx 790		"KTRI Country brand Stereo", o/KPAC
	1133 KPAR 100.3 NM Albuquerque, EL, wx		My comments, later. 73, Steve



VHF UTILITY DX

Pat Dyer
5315 Silvertip Drive
San Antonio, TX 78228
Deadline: 10th of month

SEPTEMBER 1976

Hank Holbrook, 7211 Chestnut St., Chevy Chase, MD 20015 GMT, QSLed

2-2: 1437, N5152 133.9 ov Cape May, NJ (CBS, Inc.; Grumman Gulf-Stream II, 2-jet, 22-seat; 39000 feet)
6-5: 1339, N9602J 122.4 vic Richmond, VA (H.H. Weinhardt, Inc.; Piper, 1-engine, 4-seat)
---- N6618J 122.8 Ches. Bay Br. (D.S. Avionics, Inc.; Piper Cherokee, 1-engine, 2-seat; 10 watts)
11: 2144, N501PS 133.9 (Gates Lear Jet Acceptance Corp.; Lear 25B, 2-engine, 10-seat; 41,500 feet)
12: 1622, N800J 133.8 20 mi sw Kenton, DE (Johnson & Johnson Corp.; Lockheed Jet Star, 4-e, 8-s; 29,500 feet)

The following, except *, are not yet QSLed and were in various ways connected with the Operation Sail '76 (tall ships/escorts)

7-10: 1731, CG30595 157.075 Ches. Bay Buoy 73 (C.G., 30' SAR; 25w *)
1743, NRKK 157.075 (Chinook, CGC)
11: 1012, NRCB 156.55/.65/.8 Plum Pt, MD (10-m s of cottage) (Eagle, C.G. Barque)
1013, IABJ 156.65 nearby in bay (Amerigo Vespucci)
1018, OXDK 156.6/.65/.8 " (Danmark)
17: 1845, CCES 156.60 Poplar Is-Holland Pt (in view) (Esmeralda)
CG40572 156.6/.8 nr Holland Pt (C.G., escort Esmeralda)
19: 0400 NRKC 156.8 passed cottage @ 0430 (Apalachee, CGC; escort Dar Pomorza)
0406 SPCB 156.80 off Ches. Bay, MD (Dar Pomorza)

Mark S. Lucas, 724 E. Mulberry St., Lancaster, OH 43130 Bearcat 101; GP

6-7: KUS 285 43.22 New Orleans, LA-pg	7-19: KDX 459 33.54 Medway, MA-f
- 35.58 OK City, OK-pg	KCE 358 33.54 Shelburne, ME-cf
KKO 742 39.74 Monroe, LA-cp	KCD 298 33.54 Athol, MA-f
KBA 860 45.22 Carthage, MS-p	KCF 589 33.86 New Fairfield, CT-f
KRO 267 45.22 Durant, MS-p	KYP 457 33.70 New Hartford, CT-f
KA A 644 39.46 Wichita, KS-sp	KCN 689 33.54 Norfolk, MA-f
KAB 295 39.46 Iola, KS-cp	KCF 601 33.86 Sherman, CT-f
KXU 223 39.96 Curtis, NE-p	KFN 716 33.70 Arundel, ME-f
KEV 458 45.22 Forest, MS-cp	KCF 330 33.70 Milford, CT-f
6-27: KEV 458 " " " "	KCE 271 33.70 Harwich, MA-f
KBA 860	KCG 581 33.70 Bantam, CT-vf
KDU 578 45.22 Clinton, MS-p	KCF 460 33.70 Warren, CT-vf
KFY 409 45.22 Cleveland, MS-cp	KEC 601 33.86 Georgetown, CT-f
KGJ 667 45.22 Hattiesburg, MS-cp	KCD 845 33.70 Brewster, MA-f
KJA 922 45.22 Meridian, MS-cp	KRY 988 33.86 Darien, CT-f
KJG 851 45.22 Tupelo, MS-cp	KGC 755 33.90 Lancaster, PA-cf
KKA 929 45.22 Jackson, MS-sp	KGC 754 33.90 Ephrata, PA-f
KRZ 372 45.22 Biloxi, MS-cp	KWV 807 33.54 Warwick, MA-f
KXM 871 45.22 Como, MS-p	KBK 814 33.86 Springvale, ME-f
7-19: KBK 815 33.86 Sanford, ME-f	KCE 869 33.86 Prospect, CT-vf
KCD 306 33.70 York, ME-f	KCE 457 33.86 Newtown, MA-f
	KCL 224 33.86 Limerick, CT-f
	KGC 449 33.86 Hershey, PA-f

pg-pager, cp-sheriff, p-police, sp-state police, f-fire, cf-county fire, vf-volunteer fire

Now, my loggings. Hammarlund SP-600-JX-10, Allied A-2586; 30' wires at 12', run ne-sw, nw-se; all are Es unless noted, * F2, bs-backscatter; new underlined; GMT used; VOR logged with Allied 426/Archer V-100 @ 20'

7-11:	1900, KSC 645	35.58	Chicago, IL (tone pager)
12:	1500, L Ang-a	35.38	Los Angeles, CA (mobile phone)
	1530, KIP 651	35.58	Ft Lauderdale, FL (tone pager)
16:	0544, KIE 953	35.58	Atlanta, GA (tone pager)
	0746, KSC 645		
	1703, <u>Detroit</u>	35.50	Detroit, MI (mobile phone)
25:	1604, <u>KME 438</u>	35.22	Orange, CA (tone pager)
29:	1728, <u>"IGM"</u>	108.8	Kingman, AZ (VOR, voice and code ID's)
30:	1941, L Ang-a		
	1943, L Ang-b	35.46	
8-3:	1924, 32.82 *		
8:	0015, 32.000 *		
	35.58 *bs		
9:	2342, OK City	35.58	Oklahoma City, OK (voice pager)

In recent letters from members I've noticed several inquiries about the "weird tones" in the 35.22/.58 (and 43.22/.58) spots. Thus it seems a review of the tone pager system is in order (see also my column of Feb 1973).

Back in 1967 when I started 30-50 MHz monitoring, the vast majority of 35-MHz pagers used voice tape loops (e.g., like OK City still does). With that one could obtain an ID in as little as 15 seconds, or, at the worst, in about a minute. Since then (particularly since 1971) the tone pagers with their Morse A2 ID's have "taken over". With them the ID's are supposed to occur at 30-minute intervals. They are often sent at such a high speed that it takes more than one run to decipher.

The advantage to the subscriber of the paging service in using a tone system is twofold: (i) with the pocket receiver he carries only activated (producing a steady tone beep) when it receives his special 2, 3, or 4-tone code, he just simply phones into the service to get the message - he doesn't have to constantly monitor a voice loop for any messages, and (ii) the element of privacy is increased since just anyone who tunes in now no longer can tell what's going on.

With the tape loop voice system there was a coding system used, usually numbers or even colors. For example, KCC 482 had a "76" and an "81", one of which was a vending machine repair service and the other a pediatrician. Some systems now apparently use tones to "key" the subscriber's receiver on and then deliver a voice message over the air to him.

With the information now available to me, it is not possible to ID the pagers solely by the types of tones they use. Some stations in different locations sound much alike (e.g., KAI 927 and KIQ 999). If anyone has more detailed information on the systems (tone combinations etc.) used by different pagers, I and others would appreciate hearing about it.

Not to be confused with the 35-MHz pagers are the mobile phones that operate in the same range (though seldom on the same freqs). They use a set of tones to activate the mobile ringing circuit in the desired unit. They're distinctive enough once heard though.

I hope that this answer most of the inquiries I've been getting on these. What used to be about the easiest DX to ID has now turned into almost the most difficult (though still the most often heard).

More bad news for WWV - it seems as though WWV may discontinue the 14-min after propagation forecasts by October this year. They claim that most former users now rely on satellites.

73, Pat WA5IYX

EDITORIAL - AN OPEN LETTER TO S-9

Since every editor is entitled to editorialize every so often, I'll take this opportunity to do just that. What got me started was an item in the Monitor Post column of the April 1976 issue of S-9 magazine. The item, entitled "Data Supply" discussed the sources of call and frequency information on the market for monitor enthusiasts.

Several quotes from the article follow. "We have, unfortunately, found from our observation and from our reader mail that some of these efforts are not only overpriced, but are apparently rather sparse in the amount of useful (emphasis in original-tc) data which can be extracted from the reams of useless 'junk information' provided to 'bulk out' their size and keep the prices 'healthy'. And the worst of it is that some of these data sources are computer printout books which, from the amount of errors they present, were apparently programmed by people who had no knowledge of communications."

The article goes on to state that "... the most consistently reliable source of reasonably priced data remains the publications issued by CRB Research" and that these directories must be better since they are "... hand compiled by communications people, most of whom are also scanner buffs themselves."

In addition, the CRB directories supposedly contain "... a great wealth of additional data which the inexperienced quick-buck people don't wish to bother with-'little' things such as U.S. Government agency listings" and that "... the bulk of the data in these colossal publications not only is unavailable anywhere else, but is now being published for the very first time."

The article ends by saying "I know that you will agree with the many monitors that these \$3 publications (the CRB directories-tc) contain far more useful data (emphasis in original-tc) than the mass market 'beginner' publications for which they are trying to get as much as \$5 to \$6."

Sounds like those nice CRB directories are far better than those nasty old "computer printout books", doesn't it? At least until we look beneath the surface, read between the lines, and actually make a few comparisons.

First, we need to understand who is really playing up the CRB books and downplaying all the others. The man's name is Rick Maslau who, I would assume, gets paid for his monthly column in S-9. It would be hoped that he would be an impartial reviewer. But the information I have indicates that this is not the case. For it seems that the same people who are involved with Cowan Publishing (editors and owners) also produce the CRB directories. If this is the case, then Maslau is getting paid indirectly by CRB! I'll leave it to your judgment to decide whether Rick Maslau is unbiased in his opinions of the CRB directories and their competitors.

Although the supplier of these horrible "computer printout books" is never mentioned, it's quite obvious that the reference is to the series of POLICE CALL directories compiled and published by Gene Hughes. After all, this is the only major computer-based publication around. With this background in mind, let's look at some of the comments quoted above.

First, that the POLICE CALL directories are overpriced. As one example, the CRB directory covering Texas sells for \$3.00. The POLICE CALL directory sells for \$4.95, but it also covers Alabama, Arkansas, Louisiana, Mississippi, Oklahoma, and Tennessee!!!

Second, that POLICE CALL somehow contains less useful information than the CRB directories. The POLICE CALL

series lists all public safety stations, their frequencies, and calls in alphabetical order according to the name of the licensee (city, state, special district, etc.). The CRB directories list the frequencies and calls in alphabetical order according to the city of license. Therefore, if you didn't already know that the Guadalupe County (TX) sheriff was located in Seguin, you'd have to dig out a map or atlas before you could find out anything about the station. In addition, the POLICE CALL books also include a section which lists calls alphabetically by frequency; very handy when you don't know a station's location. If you're using a CRB directory, you'd have to go through all the listings to find the information. The only information in POLICE CALL which might be considered superfluous are the listings of mobile unit calls and frequencies. But that's not for me to say.

Third, that the "computer printout books" were prepared by people with little communications knowledge. The only way to respond to this assumption is to look at Gene Hughes' qualifications: 33 years as a public-service monitor; has been publishing POLICE CALL since 1944 (Gene started with the Southern California edition); for 15 years, has been involved in system design and installation of two-way FM radio systems.

Fourth, that these computer-based books contain more errors than the CRB directories. To consider this point we must accept the fact that there are always going to be problems with any information source using computers. Thus, efforts must be made to catch and correct the mistakes before they get into print. To the best of my knowledge, both POLICE CALL and CRB get their raw information from the same source--a computerized listing. Both these publications contain errors, and while the POLICE CALL books perhaps contain more errors than the CRB directories, they also contain much more information. Therefore, I wonder if the CRB directories are really that much more accurate than the POLICE CALL books?

Fifth, what about all the additional information that the CRB directories supposedly contain? To some extent they do, since the directories contain detailed information on many large-city and county systems which isn't found in POLICE CALL. However, to be fair, let's not compare every directory published by both outfits, let's just compare the directories that have been published the longest. Unfortunately, it's impossible to go into much detail here, but those of you who have the CRB Southern California and the POLICE CALL Southern California directories compare them and see if you don't think that POLICE CALL comes out far ahead in terms of system detail, accuracy, and supplementary information such as special codes, unit numbering, etc. For it's all very simple, you can have detailed information if and only if you have a large number of reporters who will share local system information. CRB has this since they've been publishing and distributing nationally for about 10 years. POLICE CALL, on the other hand, has been publishing and distributing nationally only about three years. That's the difference in most of the "additional information"!

A big point is made of the U.S. Government listings in the CRB directories. Frankly, I've traveled all around the state of Texas and, with two or three exceptions, have never heard anything on these frequencies. This information doesn't seem all that useful. The statement that most of the data in the CRB directories is unavailable anywhere else is ridiculous, as anyone who has ever looked at a copy of POLICE CALL knows.

I cannot agree that the \$3.00 CRB directories are better or more useful than the POLICE CALL books for the reasons I've already mentioned. I've used both in my casual listening and in DXing, and POLICE CALL is far superior. That's my opinion, what's yours????

73, Perry

TV CCI

UNIDENTIFIED TV-DX

Frank Aden, Jr.
1535 NW Ithaca Ave.
Bend OR 97701

September 1976

This column was written during the last week of July instead of after the regular August 10th as I was on my way back from the convention during that time. I am currently in the process of going through TV GUIDES and listing what stations are in what editions. So far I have found many changes or new listings. When I complete the list I will photocopy for those who wish to up-date their TV Station lists. Should be done sometime this fall.

Pat Martin, PO BOX 14192, Portland OR 97214 (1976 unids)

Sun Jul 4 Es ch 4 0000 PDT-- NEC WEEKEND SHOW, S/Cast with KGW-8 Portland so believed to be a PDT zone station. KNBC? Probably KNBC but KVOA also runs it at this time as AZ is on MST. KCRL is listed as s/off at 0000 PDT (FEA).
Mon Jul 5 Es ch 4 1445 PDT--Mike Douglas Show. KXJB and WDAF both check. Nothing on PDT or MDT checks (FEA).
Es ch 4 1500 PDT--Beverly Hillbillies, possibly same station as above. KXJB checks. Negative on WDAF (FEA).

Paul Gaines, C.P. Cleaning, 15920 Puritan St. (1976 unids)

Sun Jun 27 Es ch 5 2331 EDT--Betty Davis Movie
ch 5 2331 EDT--Fishing program
ch 5 2331 EDT--Meet the Press. All here from SW direction, rotor stuck in that direction. Stations in TX, LA, AR, MO, TN are negative for the last two. The 1st has too many possibilities unless skeds for this date are available (FEA).
Mon Jun 28 Es ch 5 0030 EDT--TVS Network, Victors Sports awards program. A K call Anyone having TVS lists please send me a copy (FEA).
ch 5 0035 EDT--Cary Grant Movie
ch 5 0038 EDT--Gene Barry in Name of the Game Type movie.
Tue Jun 29 Es ch 6 0103 EDT--Two stations in, one with a discussion type show other a movie with Robert Horton and a man playing a Russian army officer.
ch 4 0213 EDT--The Untouchables. Stations in TX, LA, OK, MO, TN are negative (FEA).
ch 4 0212 EDT--Public service type program talking about roads. KMOX lists having a program similar to above. Suggest writing them (FEA).
Mon Jun 28 Es ch 5 0001 EDT--James Stewart in Harvey.

IDENTIFICATIONS

Jim Pizzi, May 19 Es, ch 2, definite KTEW as Tulsa has a Utica National Bank which advertises often on KTEW. From Doug Everitt.
Jim Pizzi, May 19 Es, ch 5, almost certain KOCO, as they have been running MHMH at 2230 CDT lately and not 2300. From Doug Everitt.

REGIONAL TV NETWORKS

I have written the Great West Network and the TV Network of Idaho. Both have not answered and I suspect they no longer exist. I plan to do more checking on them and will try other sources. State educational network information would be appreciated as I plan to list them in the coming months. Send in any information you can about your local ETV networks.



MONTANA TELEVISION NETWORK

KTVQ ch. 2 Billings, KXLF ch. 4 Butte, KRTV ch. 3 Great Falls, KPAX ch. 8 Missoula.
KTVQ CBS, NBC, KXLF CBS, ABC, KRTV CBS, NBC, KPAX CBS, ABC

more next month! 73's Frank

FM CCI

UNIDENTIFIED FM-DX

Rod O'Connor
 P.O. Box 77
 Southwest Harbor,
 Maine 04679

Greetings again!

During July a few more reports have come in from other members, so I am very happy with the over-all success of this column so far. As I promised last time I would describe Pete Sawatzky's unique DX set-up. His system operates - in his words - Ms is recorded on tape automatically whenever he is out, and Ms produces a lot of stuff which is semi-ID'able. The circuitry which is designed for the purpose (\$100-worth of TTL logic, interfaced between a Heath AJ-15 and a cassette recorder) has worked out tremendously since completed last summer. I would suggest any interested members to contact Peter Sawatzky, 244 Neilson Ave, Waterloo, Ontario, Canada N2J2M0.

Now for the mysteries received this past month:

Frank Aden, Jr, 1525 N W Ithaca Ave., Bend Oregon (C.D.T.)
 9 Jun Wed 1830 96.1 Es -- Gospel station with mention of Minn/St. Paul area. Area coming in at time was Minn/SD/Neb area. No ID at 1830, went from one program to another ((Suspect KWAT FM Watertown SD - roc))

27 Jun Sun 1615 98.1 2Es -- MOR sta. Not WTVR Sta had us govt PSA on tornadoes and T'storms at 1615. At 1616 live time announcement and back into MOR & Religious music. Could not make out many details on this one as it was under WTOF most of the time who was also playing Gospel music. at 1625 had what sounded like network news but not sure. PTA NE area of USA ((poss WQYT Binghamtn NY - roc))

R. J. Steinberger, 47 Causeway St., Hudson, MA 01749 (E.D.T.)
 16 Jun Wed 1916 90.7 Es -- Mention Kent Faculty and a state college music concert by faculty.

18 Jun Fri 1915 94.9 Es -- Music of touching - PTA IA, MO, WS ((probl'y WLVE Baraboo/Madison WS - roc))
 1927 95.1 Es -- Ad for Magic Mushroom Clothing store.
 2035 98.1 Es -- Stereo 98, Country Living-Giant Country PTA MN, WS. ((probl'y WWJO St.Cloud MN-roc))

28 Jun Mon 2300 95.3 Es -- Ad by female anncr for vacation special at La Pavian Hotel New Orln's, state news, sign off Suspect KFRA Franklin LA

14 Jul Wed 1950 89.3 Es -- End of show w/ DJ Pete Rizzo, next DJ Gary Bishop.

2 Aug Mon 1720 101.1 Es -- Jim Bolen show, Ad for store E of Arch, suspect WMMY East ST Louis.
 1735 103.7 Es -- Ad for Springfield Marine Bank office at 618 E. Wash. Suspect WDER Springfield IL.
 1730 101.9 Es -- Time is 4:50 in "Boscoe" Spelling right??
 1745 98.1 Es -- Ad for dirt race track in New Burke
 1801 95.3 Es -- Ad for camera supplies at ENCO discount dept. store - WELR FM Roanoke AL. ?
 1832 95.3 Es -- Same ad as 7 above on 27 June

William O. Dickerman YMCA P.O. Box 786 Williamsport PA 17701 (E.D.T.)
 15 Jul Thu 1925 98.7 or 98.9 ?? -- Song "Queen's Bohemian Rhapsody"
 1926 -- Ad- Tinkled Pink wine from Boone's Farm, Modesto California
 1927 -- "On "KAYDIZ 99 FM" Rufus Chaka Khan?? and then faded out.

That's it for this month.

Stod
 Rod O'Connor

ALL NIGHT MOVIES

BY
**PAUL
TRASKA**

This list should aid you with any unidentified USA or Canadian station received running all night movies. Stations listed here are all up to date as of 1976. CONTRIBUTORS: Clarke Ingram, Ken Simon, Paul Gaines, and Steve West; all other information is of my own research. Special thanks also to the TV GUIDE office of Rochester NY; without their help, this article would not have been possible.

M - more than one night

V - variety shows

MV- movies and variety

S Y M B O L S

E - late movies early morning

A - all week (except days shown)

LN- late news

WTVY 4 Dothan	AL A (see logo)	KSHO 13 Las Vegas	NV A-Sat-Sun
KPHO 5 Phoenix	AZ MV	WCBS 2 New York	NY A
KNXT 2 Los Angeles	CA A	(The Late Show, The Late Late Show)	
KTTV 11 Los Angeles	CA A-Mon-Sun	WNBC 4 New York	NY E-weekdays
KNTV 11 San Jose	CA A	WCMH 4 Columbus	OH Fri-Sat
KEMO 20 San Francisco	CA A-Sun	WLWT 5 Cincinnati	OH Sat
KGSC 36 San Jose	CA A-Sun	WHIO 7 Dayton	OH Fri
KTXL 40 Sacramento	CA A-Sun	WSTV 9 Steubenville	OH Sat (see logo)
KMGH 7 Denver	CO LN-Fri-Sat	(Movies Till Dawn)	
WTTG 5 Washington	DC Fri-Sat	WBNS 10 Columbus	OH E-Sat
WJKS 17 Jacksonville	FL Sat	(Night Owl Theater)	
WTOG 44 St Petersburg	FL Fri	WKRC 12 Cincinnati	OH Sat
WKID 51 Ft Lauderdale	FL A-Mon	KOIN 6 Portland	OR E-A
(All Night Show)		WCAU 10 Philadelphia	PA E-A
WTCG 17 Atlanta	GA M	WHP 21 Harrisburg	PA Fri
KGMB 9 Honolulu	HI Fri-Sat	WVIA 44 Scranton	PA E-A
WBBM 2 Chicago	IL M-E	WSPA 7 Spartanburg	SC Fri
WGN 9 Chicago	IL E-Sun	WNCE 2 Nashville	TN A (see logo)
WTVQ 62 Lexington	KY Fri	(TNT - Total Night Television)	
WWL 4 New Orleans	LA Fri-Sat	WTVF 5-Nashville	TN Fri
WRBT 33 Baton Rouge	LA Fri-Sat	WZTV 17 Nashville	TN Fri
WCVB 5 Boston	MA M-LN	WFAA 8 Dallas	TX Fri
WJBK 2 Detroit	MI E	KDOG 26 Houston	TX V-Fri-Sat
WKZO 3 Kalamazoo	MI Fri	WAVY 10 Portsmouth	VA Fri
(Late Movies)		KREM 2 Spokane	WA E-Sun
WNEM 5 Bay City	MI Sat	KHQ 6 Spokane	WA V-E-A
(Five Star Theater)		KIRO 7 Seattle	WA E
KTCA 2 St Paul	MN E-Sun	WITI 6 Milwaukee	WI E-weekdays
(Flick On 2)		WSAZ 3 Huntington	WV Fri-Sat
WTVV 9 Tupelo	MS Fri-Sat	(Night Owl Theater)	
WHTV 24 Meridian	MS Fri-Sat	CFRN 3 Edmonton	AB E-Fri-Sat
KMOX 4 St Louis	MO A-Sun	CJOC 7 Lethbridge	AB E-Sat
KCMO 5 Kansas City	MO V-M	CHEK 6 Victoria	BC E-A
KMTC 27 Springfield	MO Fri-Sat	CBTV 8 Vancouver	BC E-A (ex-CHAN)
KORK 3 Las Vegas	NV E	CKVR 3 Barrie	ON Fri-Sat
KVVU 5 Henderson	NV A-Mon	CHCH 11 Hamilton	ON E-V-Thu-Fri
KLAS 8 Las Vegas	NV A-Sun	CFQC 8 Saskatoon	SK E-Sat



**ALL NIGHT
MOVIES**

MOVIES TILL DAWN
SATURDAY 12 mid.
WSTV-TV9

24 HOURS a DAY
WNGE

24 HOURS a DAY
WTVY TV4
Dothan

Chicago Convention Highlights

reported by
Clarke Ingram

The last thing your editor expected to find at his first WTFDA convention was an ID of an old DX catch--but inspection of WBBM-2's programming habits found a "Late Show" slide previously seen by MS (TV CCI, July 1975), netting your editor another new TV station!

It seemed an appropriate start for the 1976 WTFDA Convention, which saw 54 DXers from 18 states and Canada in attendance--the largest WTFDA crowd ever assembled. Joining your editor among the earliest arrivals on Wednesday evening were Don Erickson and the Indiana VUD publishing trio of Peter Oprisko, John Zondlo, and Mike Hogan. The five of us stayed awake well into the wee hours of the 5th discussing everything from other ANARC clubs to upcoming VUD cover colors!



Early get-acquainted sessions, informal DX discussions, and preliminary business meetings comprised the next two "pre-Convention" days before scheduled activities got underway with formal registration on Friday evening. After opening comments from host Morrie Goldman, conventioners were treated to an impressive array of technical literature and presentations of members' DX slides and tapes. Probably few missed the presence of key WTFDAers, who had convened elsewhere to discuss such club matters as changes in the Board of Directors (see below).

Despite the late closing of the meeting room (again, sometime in the wee AM), Saturday's program commenced early with a 9 o'clock presentation on antenna polarization by Dave Janowiak. (Incidentally, the one-hour presentation on the benefits of a vertically polarized antenna was recorded and will be serialized under the TECHNICAL-CORNER heading this winter.) After a brief coffee break, Gary Olson demonstrated the Panasonic videocassette and minicamera system, showing a few DX catches and immortalizing a few DXers in the process!

Dr. Bruce Elving led off the afternoon activities with an excellent discussion on DXing FM SCA (subcarrier) broadcasts, illustrating the variety of program material to be found on SCA. (It's very rarely that you hear "Romeo and Juliet" in CBers' slang!) Steve Perry of Amex Marketing followed with a demonstration of the new Tenelec MCP-1 digital VHF-UHF scanner. After a group picture session on the upper parking ramp of the Rodeway Inn, conventioners dispersed for individual activities before dinner.

A sumptuous banquet of chicken Kiev and wild rice paved the way for WTFDA's door prize drawing, which saw Bill Grant of Massachusetts take the top prize--the \$400 Tenelec MCP-1 scanner exhibited earlier! Other prize winners were:

- Bruce Elving - KBOI Radio magnetic paper clip holder. (big prize, hi)
- Clarke Ingram - FM Atlas and Station Directory, donated by Bruce Elving.
- Bob Kalita - Electronics Theory Handbook, donated by Davis Publications.
- Scott Levitt - CATJ Wall Chart, donated by Community Antenna TV Journal.
- Marvin Shults - Another CATJ Wall Chart, donated by Bob Cooper and CATJ.
- Morrie Goldman - Directional Antenna Broadcasting Handbook, donated by Tab Books, as were the next two prizes.
- Tom Depaw - Shortwave Listener's Handbook.
- Tony Ward - VHF-UHF Scanner Service Manual.
- Bill Thompson - VHF Handbook, donated by Ham Radio.
- Don Erickson - VHF-UHF fringe antenna, donated by Kaytown. (spelling??)

On behalf of WTFDA, we'd like to thank those listed above, as well as Amex Marketing, for their generosity in supplying literature and prizes!

After some informal gab sessions and the showing of your editor's ID slides, many DXers partook of a UHF amplifier comparison on the hotel's tenth floor. No specific conclusions were drawn, except that the Winegard AC-4990 does not overload in the presence of the strong Chicago UHF transmitters, and the CMA-Ub from Blonder-Tongue does! Space permitting, next month an article by Bob Cooper will explain both in depth. Most distant station seen: KMTC-27, Springfield, MO, at a not altogether unremarkable 430 miles!

Sunday brought a continental breakfast, followed by the club business meeting. After a presentation on WTFDA's upcoming new member recruitment program by your editor, Morrie Goldman answered questions and announced the new Board of Directors (see back cover). After a horde of member suggestions, the meeting closed, officially ending the 1976 WTFDA convention.

As for next year's convention, we've already received one preliminary bid---from Bob Seybold of Dunkirk, NY. For now, though, Morrie Goldman deserves many thanks for the biggest and best WTFDA convention ever!

73, *Clarke*



Chicago's Rodeway Inn, site of WTFDA's eighth convention: August 6 - 8, 1976. With attendance of over 50 members, it was the largest gathering recorded in WTFDA history.



Mike Hogan-IN (left), publisher Pete Oprisko-IN and son, & Don Erickson-CA (seated, back) were among the earliest arrivals on Wednesday evening.



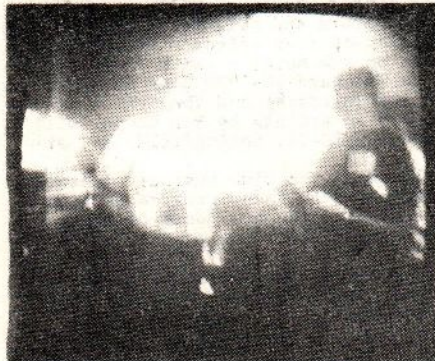
Convention host Morrie Goldman-IL displays some of the free literature available to convention delegates.



Bill Heusmann-IL, Rich Eddie-MO & Bill Frahm-ID were among those enjoying Friday's informal activities.



Dave Janowiak-WI's talk on antenna polarization commenced the Saturday schedule of technical presentations.



The conventioners appear on TV! Actually, this was a result of Gary Olson-IL's Panasonic videocassette and minicamera demonstration (right). Marvin Schulz-IL, Bruce Elving-MN, and George Greene-OH comprise the screen photo.



Dr. Bruce Elving-MN introduced WTFDA convention delegates to the subject of DXing FM subcarriers (SCAs) in a demonstration and lecture Saturday afternoon. Dr. Elving also managed a marvelous turnover on FM ATLASes!



Grand drawing winner Bill Grant-MA displays the top prize: his new \$400 Tennelec MCP-1 digital VHF-UHF scanner, which was the subject of another Saturday demo by Amex Marketing.



The Inn's Monte Carlo Restaurant was the setting for WTFDA's traditional Saturday club banquet. Its main course: chicken Kiev.



Saturday night found many DXers taking part in a combined UHF amp comparison and tropo opening. Some of the stations seen and photographed are shown below.



WTVO-17 Rockford IL



WEEK-25 Peoria IL



WKOW-27 Madison WI



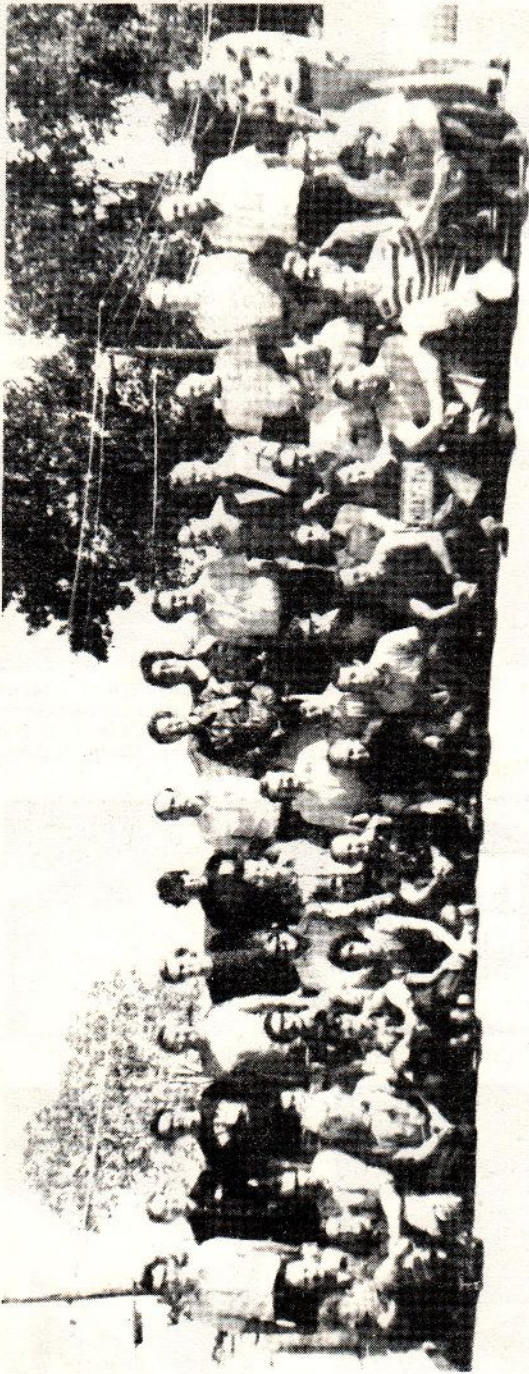
Sunday's program began with a discussion of new member recruitment by Clarke Ingram-PA.



Morrie Goldman answered questions and asked for comments about WTFDA in club business sessions.



Conventioneers shake hands as the meeting, and WTFDA's eighth convention, close. Will you be there in 1977?



The Conventioneers!

Top row:
(standing)

Morrie Goldman, Mike Hogan, Frank Merrill, Bill Thompson, Bill Frahm, George Greene, Bill Grant, Roger Gravelle, Clarke Ingram, Bob Kalita, John Zondlo, Ed Prond, Joe Gagg, John Winslow, Bill Eckberg, Dave Parry.

2nd row:
(kneeling)

Paul Gaines, Tom Depauw, Stanton Levitt, Dave Janowiak, Rich Eddie, Bill Heusmann, Bob Zent, Bob Babut, Frank Aden, Pete Sawatzky, Dick Tidberg, Pete Oprisko, Todd Schumann, Bruce Elving.

3rd row:
(seated)

Pete Oprisko Jr., Gary Olson, Darryl Roberts, Steve Rich, Scott Levitt, Ron LeBlanc, Bob Seybold, Don Erickson, Tony Ward, Bill Johnson, Marvin Shults, Tom Yingling, Fred McCormack.

Not shown:

Rick Evans, Ron Fenton, Karl Forth, Morgan Godwin (editor, Elementary Electronics), Glenn Hauser, Bob Kramer, Roger Sabella, Chuck Sampson, Ken Stryker, Roger Winsor, and one attendee we've lost track of!

EASTERN TV-DX

Bill Thompson
1907 Seneca Street
Buffalo, NY 14210

September 1976

Most of July's E-skip activity seems to have occurred in the second half of that month. There were a few very good openings, but no end-of-season "super-spectaculars" were noted by this month's reporters. A fair number of minor openings continued to mid-August. Good tropo over the Southeast in late July is indicated by Ken Simon's report. In the Northeast, where the tropo season has just gotten started, western New York DXers noted UHF ducting August 10-12 out to distances of 900 miles. Details next month!

Greg Kelley 108 Archer Street Staunton, Virginia 24401

"No DX except for Es on VHF...the UHF has died! I mean no Tr at all! In June I logged WFAP 29 Philly with very slight reception when the local 29 was off. But my usual Tr to the east coast just isn't there. I still get normal reception of ch 20 in Washington and ch 22 in Annapolis, but it fades a lot and is nothing to brag about. I saw a lot of Es coming thru on the cable, but only one day did I hook up the VHF antenna. But I did log a new one...CKCW-2 Moncton, NB and that was a fair catch. I think my UHF antenna should be higher. It must be at about 28 feet...the bottom part is about 5 feet above the house but I think all the trees may hurt."

Steven Sprachman 3939 Eve Drive Seaford, New York 11783 (EDT)

July
7 Es 1930 unIDs 2-5
14 1930 unIDs 2-6
2030 unID-6 CBC, unID-3 NBC
2100 KYTV-3 Springfield MO
19 1930 unIDs 2 & 3
2000 KYTV-3 Springfield MO
19 Es 2030 WCIA-3 Champaign IL
23 Tr 2030 WCDC-19 Adams MA
"4 U's to North--
Albany, Boston"
27 Es 2100 unIDs on 3

August
2 Es 2000 unIDs 2, 4 "slight"
"July wasn't bad, but it wasn't that great...I hope conditions are better in Plattsburgh this year than last...it may be my last year there. Well, that's it for now. May everyone get the catch they always wanted!"

Paul D. Traska 64 Weaver Avenue Buffalo, New York 14206 (EDT)

July
11 Ls 1630 WKBS-48 PA
WNJT-52 NJ
1635 WLVT-39 PA
WNJS-23 NJ
1710 WSEK-38 MA
1717 WGBX-44 MA
Boston
1720 WLVI-56 MA
1725 WGBY-57 MA
Springfield
1815 WATR-20 MA
2000 WSMW-27 MA
Es 2010 WEAR-3 FL
2015 WRBL-3 GA
WEDU-3 FL
2045 WDBO-6 FL
Tr 2358 WCDC-19 MA
12 0030 WSBT-22 IN
WINDU-16 IN
WETI-25 MI
0035 WCIC-26 IL
WCFC-38 IL
Chicago
0037 WSN3-44 IL
0038 WKJG-33 IN
0120 WKBS-48 PA
WPHL-17 PA
0121 WHP-21 PA
WTPA-27 PA
Es 2007 WEDU-3 FL
2300 KKAS-5 TX
13 1800 WBTW-3 NC
1900 CBWFT-3 MB
14 Tr 0205 CKSO-5 ON
0223 CKNY-10 ON
0226 CKNC-9 ON
Es 1814 CJON-6 NF
1825 CJCB-4 NS
Sydney "thru WHEN"
1920 CBHT-3 NS
1928 CJCH-5 NS
1929 CKCW-2 NB
Moncton "thru WGR;
7th province"
2100 WEAR-3 FL
15 1330 KWNB-6 NE
KTVS-3 CO
1430 KTBS-3 LA
16 Tr 0040 CFVO-30 QB
0058 WPHL-17 PA
WKBS-48 PA
Es 0240 KKJB-4 ND
Valley City
0241 CBWFT-3 MB
0245 KPLO-6 SD
0247 CKYB-4 MB
Brandon
19 1200 WPTV-5 FL
WDSU-6 LA
1230 KFDX-3 TX
1330 KATC-3 LA
1400 KTBS-3 LA
1408 KBTX-3 TX
1430 unIDs on 6 S.W.
1830 KOTA-3 SD
1900 KPLO-6 SD
19 Es 2330 KATC-3 LA
20 2315 unIDs to 5
23 1130 WEAR-3 FL
1914 KWNB-6 NE
1930 KTVS-3 CO
2330 KIDLO-3 SD
24 0940 WDBO-6 FL
WPTV-5 FL
WEAR-3 FL
0945 WEDU-3 FL
1020 WCIX-6 FL
1050 WUPT-5 FL
26 1145 unID-3 S.W.
27 Tr 0015 WKJG-33 IN
WPTA-21 IN
WANB-15 IN
0116 WLKY-32 KY
28 Es 1600 WTHS-2 FL
"both audio &
video thru WGR;
no time to DX"
August
2 Es 1630 WSAV-3 GA
WRBL-3 GA
1700 KLINE-3 NE
1705 KYTV-3 MO
KMTV-3 NE
1830 WDBO-6 FL
WPTV-5 FL
WEDU-3 FL
1700 WCIX-6 FL
4 Tr 0100 Toledo V's
CBET-9 ON
6 Es 2136 WEAR-3 FL

Rod O'Connor Box 72 Southwest Harbor, Maine 04679 (EDT)

July

18 Es 2300 KTVI-2 St Louis MO (1200) "audio only, no picture, antenna SW"
 25 0000 unID-2 "KTO?--unable to find any KTO? in logs."
 28 1530 unID-4 "KXJB or WJXT. Quite unsure of above. So much interference that it was difficult to make out ID. There was a possible 'KX' but hard to tell if there was a K or W prefix. Antenna was NW but was getting plenty of FM Es from FL, so I suspect WJXT Jacksonville..."

Scott Levitt 328 Rahway Avenue South Plainfield, New Jersey 07080 (EDT)

July

11 Es	1100 WEDU-3 Tampa FL (981)	20 Es	1130 WTHS/WPBT-2 Miami (1075)
	2000 KTVI-2 St Louis MO T		1200 WEDU-3 Tampa FL (981)
	unIDs 2-5		1215 WESH-2 Daytona Bch (869)
12	1000 WTHS/WPBT-2 Miami (1075)	21	1300 WREC-3 Memphis TN (927)
	1030 WTVJ-4 Miami FL (1075)	Tr	1415 unID-3 "+ or -"
	2000 KCKT-2 Gt Bend KS (1305)	2345	WGAL-8 Lancaster PA (104)
13	2000 unIDs 2, 3		WLYH-15 Lancaster PA (104)
14	1250 unID-3 CBS		WSBA-43 York PA (126)
	1300 WMT-2 Cedar Rapids (900)		WBRE-28 Scranton PA (86)
	1330 KMTV-3 Omaha NE (1125)		WTNH-8 New Haven CT (95)
	1740 CKCW-2 Moncton NB		WAPB-22 Annapolis MD (158)
	1800 KTVI-2 St Louis MO (850)		WHP-21 Harrisburg PA (126)
	KYTV-3 Springfield (1035)		WTPA-27 Harrisburg (126)
15	1230 WTVY-4 Dothan AL (891)		WNEP-16 Scranton PA (86)
	WEAR-3 Pensacola FL (998)		WDCA-20 Washington (180)
	1300 WBRZ-2 Baton Rouge (1170)	22 Es	2000 unIDs 2-4
	1330 KATC-3 Lafayette (1215)	23	1045 unIDs 2, 3
	1400 KETS-2 Little Rock (1062)	24	1100 WTVY-4 Dothan AL (891)
16	1600 KTCA-2 Minneapolis (1003)	25	2030 unIDs 2, 3
	KLNE-3 Lexington NE T	26	1030 WABG-6 Greenwood MS (994)
	WCCO-4 Minneapolis T		WTHS/WPBT-2 Miami (1075)
	1800 KPRY-4 Pierre SD (1364)		1100 WKRG-5 Mobile AL (1026)
	KXON-5 Mitchell SD (1233)		1130 WWL-4 New Orleans (1152)
17	1100 WSB-2 Atlanta GA (725)		1230 WEDU-3 Tampa FL (981)
	"unIDs 3-6, had to leave at 1105"	27	1820 KTAL-6 Shreveport (1206)
18	2040 unID-3 "ABC, Ø"		1830 KPBS-3 Shreveport (1206)
19	1030 WBRZ-2 Baton Rouge (1170)		KETS-2 Little Rock (1062)
	KATC-3 Lafayette (1215)	2100	WREC-3 Memphis TN (927)
	1200 KJAC-4 Port Arthur (1332)		WBRZ-2 Baton Rouge (1170)
	1300 WTVY-4 Dothan AL (891)		KXAS-5 Dallas TX T
	1330 WKRG-5 Mobile AL (1026)		unID-3 "Non-major league baseball, one team was ---- county."
	1351 WDSU-6 New Orleans T	28	1500 WEDU-3 Tampa FL (981)
	1524 KARK-4 Little Rock T		WESH-2 Daytona Bch (869)
	1530 KETS-2 Little Rock (1062)	August	
	1550 KTEW-2 Tulsa T	2 Es	1145 WEDU-3 Tampa T
	KTVY-4 Oklahoma City T		WESH-2 Daytona Beach T
	1615 KPFX-3 Wichita Falls T		WTHS/WPBT-2 Miami T
	1629 WMT-2 Cedar Rapids (900)		WTVJ-4 Miami FL T
	1800 CBHT-3 Halifax NS		1830 WTVY-4 Dothan AL (891)
	CJOX-3 Argentia NF		1900 unID-6 "SS, minus offset, doubt this was Havana, audio had a 'far away' sound. The program was a movie, not sure whether it was dubbed."
	CJCN-4 Grand Falls NF		1910 WEAR-3 Pensacola FL (1003)
	CJON-6 St John's NF		1930 WTHS/WPBT-2 Miami (1075)
	1915 WBRZ-2 "back again"		
	2000 WDSU-6 New Orleans (1152)		
	2008 KALB-5 Alexandria T		
	WWL-4 New Orleans (1152)		
	2030 KARK-4 Little Rock (1062)		
	2115 KTVI-2 St Louis MO (850)		

"July was a good month for E skip, with 21 out of 31 days of this propagation noted here, of which 18 were consecutive. On July 16, my brother Mark decided to start TV DXing. He now has logged 57 stations. My log is now at 135. You may notice that the distances in my report aren't the same as they were before; I've remeasured them, and I think they are pretty accurate now. I bought an Archer U-75, but it is not on the roof, I keep it in my room and put it up on my bed when I'm using it. In addition to the stations in my report, I also receive these almost every morning: WTNH-8, WDCA-20, WBFF-45, Scranton U's, and WAPB-22."

Ken Simon 528 Pilgrim Road West Palm Beach, Florida 33405 (EDT)

July

1 Es 1318 unIDs 2, 3, 4
1330 CKVR-3 Barrie Ont 2011R
1930 KYTV-3 Springfield 2011R

3 Tr 0750 WLCY-10 Largo FL 1111R
" + full VHF dial, WBBH-20
WMFE-24, WEVU-26, WXLN-40
WTOG-44..."

Es 0935 unIDs 2, 3
1029 WKAQ-2 San Juan PR 2011R

4 Tr 0335 WJKS-17 Jacksonville 2225R
unID-2 "3/4 CB"

Es 1200 WFSB-3 Hartford CT 2211R
1300 "skip gone"
1710 unIDs 2, 3
1900 KYW-3 Philadelphia 2111R

Tr 1905 W69AA-69 W Hollywood 1015R
1925 WJCL-22 Savannah GA 1035R

Es 1947 unIDs 2 & 3
5 1430 unID-2 NBC

Tr 1930 WMFE-24, WSWB-35 Orlando
7 Es? 1955 unID-2 "very weak 3 also"

8 Es? 1630 unID-4 "over WTVJ-4,
looked too strong to be
tropo as no other stations
noted...antenna North"

9 Tr 2300 WUSF-16 Tampa FL "unusual"

11 Es 0745 unIDs on 2
0750 WNGR-2 Nashville TN T
0900 WCBS-2 New York NY 1011R
1000 WKYC-3 Cleveland OH 4022R
"MUF up to 934 MHz"

12 1300 KTVO-3 Ottumwa IA 1011R
2010 WPSX-3 Clearfield PA T
2230 "skip still in, unreadable"

13 1955 WPSX-3 Clearfield PA
"mostly gone by 2045"

14 1350 unID-2 ABC "KTVI or KQTV"
KTVO-3 Ottumwa IA T
1400 KFTV-3 Springfield 1111R
1430 KTVI-2 St Louis MO T
1500 WNGR-2 Nashville TN 2011R
1530 "skip gone"
1645 WCIA-3 Champaign IL 2011R
1650 "MUF in 92 MHz area"

15 1750 WBTW-3 Charlotte NC T
1315 KTVO-3 Ottumwa IA 2011R
1600 YSR-2 EL SALVADOR 2111R
1815 KDFW-4 Dallas TX 0111R

17 Tr 0815 WJCT-7 Jacksonville 2011R
WJKS-17 Jacksonville 3235R
"full VHF dial + WBBH-20,
WMFE-24, WTVX-34, WXLN-40
WTOG-44 St Petersburg FL

Es 1630 WMAR-2 Baltimore MD 2011R
1830 WKYC-3 Cleveland OH 1011R
2000 WCIA-3 Champaign IL 1011R

18 1410 unID-2 "movie"

19 1310 unIDs 2, 3
2022 unID-2 "KTVI/WNGR/KQTV??"

Tr 2045 WJCT-7 Jacksonville 1015R
WJKS-17 Jacksonville 2025R
2200 WCJB-20 Gainesville T
WJCL-22 Savannah GA 1015R

20 Es 1850 unIDs 2, 3 "gone by 1900"

21 1310 KPRC-2 Houston TX 4332R

21 Es 1310 XIII-3 Corpus Christi 3221R
KBTK-3 Bryan TX T
1710 XIII-3 Corpus Christi 3311R
"no sign of skip on ch 2"

Tr 2035 WUSF-16 Tampa FL 3345R
"CCI o/WLRN-17 prob. WJKS"

2115 WJCL-22 Savannah GA 2045R
WSWB-35, WMFE-24 Orlando

2155 WJKS-17 Jacksonville 1015R

22 2110 WJKS-17 Jacksonville 2025R
WJCL-22 Savannah GA 2125R

2200 WJBA-14 Allendale SC T
2220 WCJB-20 Gainesville FL R
2230 WVAN-9 Savannah GA 1211R
unID-11 CBS "prob. WTOG"

2245 unID-27 "frame bars only"
20 CCI on 33, 0 CCI on 35

23 Es? 1345 unID-3 CBS "very weak..."

Tr 2043 WMFE-24, WSWB-35 Orlando
2151 WJKS-17 Jacksonville 2315R
WUSF-16 Tampa FL T

24 0725 WCJB-20 Gainesville 2145R
W64AD-64 "rebroadcasting
ICR-6 unID 3/4 CB 7-21-s
(pretty sure this is new
Cuban test pattern)"
(Cuba has NTSC color? -bt)

Es 0845 unIDs 2,3; MUF 94 MHz @ 1015

1330 KETS-2 Conway AR 3011R
+ unIDs to 1525

"Winegard UHF amp AC 4990 added;
a tip of the hat to Jim Gould!!!"

Tr 2000 WUSF-16 FL, WJCL-22 GA
2100 WJKS-17 Jacksonville R
2140 WJWJ-16 Beaufort SC 4425N
2218 WRJA-27 Sumter SC 1115N
"at times very weak"

25 0622 WJKS-17 Jacksonville 2135R
0707 WJCL-22 Savannah GA 1015R

Es 0915 YVVA-2 Caracas VENEZUELA
YVVA-3 VENEZUELA 1111R

1155 WIPM-3 Mayaguez PR T
1219 WKAQ-2 San Juan PR T
2000 WJBE-2 Detroit MI 1011R

Tr 2042 WUSF-16 Tampa FL R
WJCL-22 Savannah "weak" R

26 Es 1300 unIDs "MUF to 914 MHz"

1330 KTVI-2 St Louis MO 1011R

Tr 1700 WUSE-16, WJKS-17, WJCL-22
1858 WCJB-20 FL "over WBBH"

27 Es 1315 WCIA-3 Champaign IL 5554R
1325 KETS-2 Conway AR 2211R
1340 KTVI-2 St Louis MO 2221R
1358 KTVO-3 Ottumwa IA T

Tr 1720 WUSF-16 FL, WJCL-22 GA
1929 WJKS-17 FL "over WLRN"

2130 WJWJ-16 Beaufort SC 4445R
WJCL-22 Savannah GA 5555R

2155 WJBA-14 Allendale SC T
WRJA-27 Sumter SC 1115R
"20 kHz CCI over W33AA"

2240 unID-19 "frame lines"

28 Es 1450 WPSX-3 Clearfield 3121R

Tr 1647 WJCL-22 Savannah GA 1011R
WJWJ-16 Beaufort SC 3425R
"at times 5555!!!"

Es 1700 CKVR-3 Barrie ON 2221R

Ken Simon (continued)

July
 28 Tr 2014 W69AA-16 SC, WJCL-22 GA 29 Tr 1758 WJCL-22 Savannah GA 1011R
 "very weak traces" 2119 WUSF-16 Tampa FL 4445R
 WJWJ-16 Beaufort SC 1114R
 2017 W69AA-69 Hollywood 4445R 30 1330 "CCI over WLRN-17, WBBH-20"
 0645 WJCB-20 Gainesville R 1900 "image of WTVX-34 on 19"
 0830 WJKS-17 Jacksonville R WUSF-16 Tampa FL R
 1000 WJCL-22 Savannah GA R 31 0900 WJKS-17 Jacksonville 3333R
 Es 1300 KPRC-2 Houston TX T Es 1550 unIDs 2-4 NBC, ABC
 KIII-3 Corpus Christi T 1555 YNTC-2 Managua NICARAGUA
 KDFW-4 Dallas TX T Tr 2250 W69AA-69 Hollywood FL R

Ken notes that WFCB-45 Miami has been sold and now IDs as WHFT.

Randy Dorman 8113 Spaulding Circle Severn, Maryland 21144 (EDT)

"I made a mistake about what TV I use, it's not a Sharp 2W250, it's a Sharp 2W-52. Since last time I now use a Realistic 4 bay UHF antenna, a dipole (ch 3) and a 3 element yagi for ch 10. Now with the report:"

June
 16 Es 1900 WBAR-3 Pensacola FL (860) 28 Es 1425 CBWFT-3 Winnipeg MB (1270)
 1940 ????-6 CUBA "I know it 1630 KTBS-3 Shreveport (1080)
 was Cuba. I saw a slide 30 Tr 2300 WCMC-40 Woodland NJ (112)
 saying 'TV Cubana'..." 2325 WITF-33 Hershey PA (85)
 July
 27 2010 WCIX-6 Miami FL (960) 1 Tr 0035 WTPA-27 Harrisburg PA (80)
 1630 WDAY-6 Fargo ND (1160) 0056 WNJS-23 Camden NJ (100)
 1830 WSAV-3 Savannah GA (550) 0110 WHP-21 Harrisburg PA (80)
 1900 KOTV-6 Tulsa OK (1080) 0133 WWBT-12 Richmond VA (120)
 28 1230 WEDU-3 Tampa FL (850) Es 1225 KBTX-3 Bryan TX (1280)
 1258 KARD-3 Wichita KS (1130)

"I'm glad to see so much club participation in July. I really enjoyed my issue and I hope everybody sent in their questionnaire. '73's"

Bill Thompson 1907 Seneca Street Buffalo, New York 14210 (EDT)

July
 11 Es 1925 WEDU-3 Tampa FL 15 Es 1900 KTBS-3 back again
 1929 WUFT-5 Gainesville FL 16 0244 KXJB-4 Valley City ND
 1958 WSB-2 Atlanta GA 0247 KPLO-6 Reliance SD
 WDIQ-2 Dozier AL 0255 CKYB-4 Brandon MB
 (ex-CJAY1; I quit @ 0300)
 12 1959 WBAR-3 Pensacola FL 19 1830 t/in unIDs to ch 5
 0608 WESH-2 Daytona Beach FL 1858 KOTA-3 Rapid City SD
 1958 WEDU-3 Tampa FL 1900 KPLO-6 Reliance SD
 2200 KXAS-5 Ft Worth TX 1905 CBWFT-3 Winnipeg MB
 13 1800 WBTW-3 Charlotte NC 1907 KDLO-3 Watertown SD
 1900 CBWFT-3 Winnipeg MB 2200 KATC-3 Lafayette LA
 14 1758 WEDU-3 Tampa FL 20 2200 unIDs 2 & 3 to west
 1800 WBAR-3 Pensacola FL 23 1830 t/in; weak traces to ch 5
 CKCW-2 Moncton NB 1900 KWNB-6 Hayes Center NE
 1805 CBIT-5 Sydney NS 1930 KTVS-3 Sterling CO
 (live coverage of Queen's 2320 KDLO-3 Watertown SD
 visit to Nova Scotia) 2359 KOTA-3 Rapid City SD
 1828 CJCB-4 Sydney NS 25 2215 unIDs on 2, trace on 3
 1900 CBHT-3 Halifax NS 26 2130 KXAS-5 Ft Worth TX
 1927 CJCH-5 Halifax NS + many unIDs to ch 5
 15 Tr 0645 WYII-25 Saginaw MI 27 1830 WBAR-3 Pensacola FL
 WUHQ-41 Battle Creek MI 1845 WKRQ-5 Mobile AL
 0655 WJRT-12 Flint MI 1900 WCBI-4 Columbus MS
 0659 WJIM-6 Lansing MI 1918 KPDM-6 Beaumont TX
 0713 WCML-6 Alpena MI T 1920 WBRZ-2 Baton Rouge LA
 Es 1326 WBRZ-2 Baton Rouge LA 1923 KALB-5 Alexandria LA
 1329 KWNB-6 Hayes Center NE 1924 WLBT-3 Jackson MS
 1400 KTBS-3 Shreveport LA 1925 KATC-3 Lafayette LA
 had to leave, nothing in 1927 WDSU-6 New Orleans LA
 at 1600 when I returned 28 1859 t/in; unID-2 to south

Not listed are many tentative Es loggings. Have noted a couple of great tropo openings in early August--details next time. My time for DXing was rather limited in the second part of July, and will be very limited after mid-August. I was able to make it to the WFFDA convention in Chicago, and had a great time. The activities were excellent, the banquet was superb, and the accommodations were absolutely first-rate. Thanks, Morrie!

CENTRAL TV-DX

William J. Draeb
Ellis St. R.R.#2
Kewaunee, WI.
54216

Deadline: 12th

It was a very interesting month. It looks as though the tropo activity has returned to normal and the Es continues to hang on but should come to an end soon. I have a raft of reports this month so on with them-----

Randall B. Clark; Rt. 5 Dutch Ridge, Parkersburg, W.Va. UTC(Universal Time?)

- | | |
|--|--|
| 7-1 Es KUSD-2 S.D. 4231@ 2100
Also, Cubans in.
2103 Unided French, ch.3. | 6-24 Es 1500 WPBT-2 Miami, Fl.
1530 WERZ-2 Baton Rouge, La. |
| 7-8 Tr 1235-0500 next day.
1259 WKIX-19 Cincinnati, Oh.
1300 WVIZ-25 Cleveland, Oh.
1330 WHMB-40 Indianapolis, In.
Columbus Ohio 2 meter
repeater rock solid. | 6-25 Es 1245 Unided Cuban on ch.2
1258 " " " ch.3
1305 Tele Rebelde ch.3
1916 Unideds to ch.5 from Tx.
6-26 Es 0300 Unided-3 from Canada |
| 7-9 Tr 2350 Semi locals on 16, 19,
21, 24, 27, 33, 42.
0300 CBLFT-25 Toronto
0500 WHAG-25 Hagerstown 4335 | 6-27 Es 2031 KTCA-2 Minneapolis
Also seen; KARD-3 & KFDX; no
times given. |
| 7-10 Tr 1400 " " "
1659 WWPB-31 " | 6-28 Es 1415 CBWFT-3 Winnipeg, Man.
6-30 Es 2045 Unided Cuban; also WPBT-2
7-01 Es 1545 Unided Tx. ch.2
1630 KATC-3 Lafayette, La.
1730 Unided Cuba; no ch.given |
| 7-11&12 Es Minor openings; nothing
exciting. | ---Tropo Summary--- |
| 7-14 Es 2230-2309 CBHT-3 Halifax
(olympic programming)
Same thing on ch.6. | 6-25 Tr WFYI-20 Indianapolis, In.
WHIZ-18 Zanesville, Oh.
WLEX-18 Lexington, Ky.
"I have chs. 16-18 co-channel-
ing WHIZ was WLEX in Ky. 19-
20-21-23-24-25-27-28. The new
one in Columbus, Oh. testing.
(which one is that?-wd). |
| 7-15 Tr 1330 WCET-48 Cincinnati 3335
1400 WDRB-41 Louisville 4335
Es 1800 WBRZ-2 Baton Rouge 5333
1856 KENW-3 Portales 4333
2015 KPRC-2 Houston, Tx.
2030 KIII-3 Corpus Christi 3212
2121 KFDX-3 Wichita Falls 2234
2200 Happy Days; ch.3
2400 KTEW-2 Tulsa 5435 | 6-26 Tr 0030 WBRB-15 Roanoke, Va.
6-27 Tr 0100 Stations on 14-16-18
19-21-22-23-25-27-29-31-34-38
-49. |
| 7-16 Es 1830 KPRC-2 Houston
2145 CKPR-2 Thunder Bay 5555
2230 CBHT-3 Halifax | |
| 7-23 Es 2159 KWGN-2 Denver
(followed by severe
thunder storms) | |
| 7-31 Es 0050 KNOP-2 North Platte 1232 | |
| 8-1 Es 1400 WPBT/THS Miami, Fl.
"I will be going to W.Va. Tech. in Fall
so I have a different address as well as
dx location...if I can cram any time for
dx if possible." | |

"Will someone please i.d. this station I had on 7-14. Its the one with the t.p. sign on. I saw it again at 2105 UTC 8-2 yesterday. It was in real deep I could see the sound bars being produced from its tone in the video. Co-channeling with WSAZ local station it is definitely not KENW."

The following report was forwarded to me be Bill Thompson too late for inclusion in the August VUD--wd.

6-19 Es 0930 CKCW-2 Moncton, N.B.
1230 WLEBZ-2 Bangor, Me.

One comment I would like to make about Randall's report. It's o.k. except for the Universal Time part of it. If everyone used Universal Time I wouldn't mind but every one else uses Eastern or Central time depending where they live which makes comparing loggings easier. Also, another comment, if you would like your report returned in the future, send enough postage with a self-addressed stamped envelope and I will return it to you.--wd

**SOUTHERN
TV DX...?**

If you'd be interested in editing such a column for the VUD, or if you have any suggestions, please contact VUD editor Clarke Ingram (address on back cover) for details. We will appreciate your help!

Glenn Hauser; WUOT, Univ. of Tn., 232 C & E Bldg., Knoxville, Tn. 37916
 5-15 Es 1130 Unided ch.3. 6-27 Es 1228 KGBT-4 Harlingen(1075)
 6-12 Es 1212 CHSJ-4 St. John(1140) 1239 KIII-3 Corpus Christi T
 6-13 SW W3AL Del Rio, Tn. 1249 KPRC-2 Houston(805)
 W7AM Coalfield, Tn. 1300 Cuba ch.3
 W43AB Knoxville, Tn. 1315 KDIX-2 Dickinson T
 6-16 Es 1518 Santa Clara ch.3 T 1316 KOTA-3 Rapid City(1160)
 Camaguey ch. 4(1095) 1321 KUSD-2 Vermillion(840)
 1605 WNBC-4 New York(625) 1326 KDLO-3 Watertown(920)
 1610 WBZ-4 Boston(810) 1328 KGLQ-3 Mason City(710)
 1611 French ch.3 1349 KTCA-2 Minneapolis(790)
 1615 WNEW-5 New York(625) 1355 CKSO-1-3 Elliot Lake T
 1619 WFSB-3 Hartford(720) 1359 WBAY-2 Green Bay(620)
 1622 WCAX-3 Burlington(815) 1412 CKSO-5 Sudbury(745)
 1629 CHSJ-4 St. John(1140) 1605 KARD-3 Wichita T
 1648 CFCM-4 Quebec City(990) 1629 KAMR-4 Amarillo(1010)
 1800 CJCB-4 Sydney(1420) 1727 WBZ-4 Boston(810)
 6-18 Es 1840 XHD-4 Tampico(1255) 1732 WSYR-3 Syracuse(640)
 1851 XHAJ-5 Las Lajas T 1750 WHEN-5 " T
 6-20 Es 0805 Santiago Cuba ch.2(1210) 2159 KUSD-2 Vermillion(840)
 0928 XHY-3 Merida T 2205 KPRY-4 Pierre(sattelite
 6-21 Es 1520 KENW-3 Portales(1100) of KSFY-13)
 1523 KAMR-4 Amarillo(1010) 6-28 Es 1659 CHSJ-4 St. John(1140)
 1531 KTXK-5 Lubbock(1030) 1859 WWAY-3 Wilmington(360)
 1558 KOB-4 Albuquerque(1265) CFCM-4 Quebec City(990)
 6-26 Es 0923 KTEW-2 Tulsa(680) 2058 WTAR-3 Norfolk(430)
 1001 KWAB-4 Big Spring T 2127 KDAL-3 Duluth(855)
 1002 KFDX-3 Wichita Falls T 2128 CBWFT-3 Winnipeg T
 1200 KOB-4 Albuquerque T 2130 WCCO-4 Minneapolis(790)
 1212 KGBT-4 Harlingen(1075) 2137 KSTP-5 St. Paul T
 1223 KRIS-6 Corpus Christi T 2140 KXJB-4 Valley City(1045)
 1245 KENS-5 San Antonio(955) 2200 KTCA-2 Minneapolis(790)
 1903 KDFW-4 Dallas T 2220 KDLO-3 Watertown(920)
 1920 KAMR-4 Amarillo(1010) 2229 KUSD-2 Vermillion(840)
 1940 KARD-3 Wichita(760) 7-1 Es 1459 KOTA-3 Rapid City(1160)
 1955 KENW-3 Portales(1100) 7-3 Es 0858 Cuba ch.2
 2107 WGBH-2 Boston(810) 0941 Holguin Cuba ch.3
 WBZ-4 " " 1010 Santa Clara "
 2111 WCVB-5 " " 7-4 Es 0815 Ciego de Avila ch.2
 2125 WCBS-2 New York(625) GW 2350 W4AU Lake City, Tn.(WBIR)
 2128 WNEW-5 " T 7-5 Es 1130 Ciego de Avila ch.2
 2149 WLEZ-2 Bangor(930) 1134 Santa Clara ch.3
 2151 CKCW-2 Moncton T 1140 Tv Cubana ch.2
 6-27 Es 0805 WLEZ-2 Bangor(930)
 0956 KGFE-2 Grand Forks(1050)
 1050 WTVJ-4 Miami(715)
 WPBT-2 " "
 Santa Clara-3(950)
 1110 WPTV-5 Palm Beach(670)
 1117 Ciego de Avila ch.2 T
 1130 WEDU-3 Tampa(555)

Due to the lack of time and the number of reports this month I was unable to put down additional comments concerning particular loggings; mabey next month.--wd.

Dave Martin; 1416 Lansing Ave., Lansing, Mi. 48915

"I have no report to make at this time, although much skip was received early this month including WPBT-2 Miami and WESH-2 Daytona Beach, both ch.2 plus KWGN-2 and many more."

Thanks for the report Dave and the interesting newspaper article--wd

Michael Hogan; 4811 Euclid Avenue, E.Chicago, In. 46312 CDT
 7-12 Tr WRTV-6 Indianapolis@ 2318 444(140), received on FM rx.
 7-13 Tr 0725 WOTV-8 Grand Rapids 5555(180)

William H. Johnson: 5595 Clarendon Hills Rd., Clarendon Hills, Il. 60514
 Dxing equipment includes: 1968 8 1/2" Singer tv with whip antenna. CDT

6-28 Es 2200 WCIV-4 S.C. 4134(700)	8-2 Es 1610 WBZ-4 Ma. 3322(875)
2215 WJXT-4 Fl. " (900)	1630 WNBC-4 N.Y. 2211(750)
7-7 Es 1810 KGBT-4 Tx. 4333(1200)	8-8 Es 1500 WKZO-3 Mi. 3243(100)
1930 KMOL-4 Tx. 5022(1050)	1505 WCIV-4 S.C. 3323(700)
7-26 Es 2048 WEAR-3 Fl. 3423(800)	

Scott Sampson: 1025 14th Ave. A. Orion, Il. 61273 (309)-526-8265 CDT

7-20 Es 1655 KMID-2 Midland, Tx.	1230 KENS-5 San Antonio, Tx.
7-21 Es 1230 XEFT-3 Monterrey, N.L.	7-29 Tr 0455 WCCO-4 Minneapolis, Mn.
KTVQ-2 Billings, Mt.	KSTP-5 " "
7-24 Es 1200 KUTV-2 Salt Lake City	KTCA-2 " "
1300 KWGN-2 Denver, Co.	Unided ch.6; Minnesota
7-25 Tr 0905 KUON-12 Lincoln, Ne. T	7-30 Tr 0255 Unideds on chs. 2,4,5,6,
Es 1630 KMID-2 Midland, Tx.	9,13(End of "The Magic-
7-26 Es 1105 Unideds on chs. 2,3&5	ian" with Bill Bixby;
1120 WESH-2 Daytona Beach	ch.6.
1130 Unid-5; ad for "Big	KPLR-11 St. Louis, Mo.
Show" on TV 5.	1100 WLUK-11 Green Bay, Wi.
1200 WBRZ-2 Baton Rouge, La.	WGEM-10 Quincy, Il.
KRGV-5 Weslaco, Tx.	8-1 Es 1300 KTVQ-2 Billings, Mt.
1204 KFDM-6 Beaumont, Tx. T	8-2 Es 1158 CFAC-2 Calgary, Alta.
1210 FM reception from Port	1230 CHEX-2 Bancroft, Ont. T
Arthur, Houston, Corp-	1233 CFRN-3 Edmonton, Alta.
us Christi & Harlingen	

"The last month was highlighted by the great Es opening on July 26; an unidentified six nearly came in over local WOC-6 Davenport, Ia., but I was unable to identify it for the brief instant when I could see its programming. The FM opening to Texas was also worthwhile. Two of my QSL requests have been returned because of errant addresses, so I have sent them again with new street addresses as indicated in Broadcasting Yearbook; still none returned as of this writing, so I'll just have to wait and see. I think the DJ who answered when I called the Port Arthur FM station thought I was crazy when I asked for the stations address by long distance. (hi)."

Robert Zent: 1835 Fruit St., Huntington, In. 46750 EST

7-2 Tr CICO-59 Chatham(200) @ 0600	7-13 Tr 0545 WHIZ-18 Zanesville(200)
7-2 Tr CBLFT-3-48 " " "	WFAP-15 Parkersburg(250)
CKCO-42 Oil Springs(225) "	WEHT-25 Evansville(240)
0600 CBLFT-2-40 London(260)	0555 WKPT-19 Kingsport(350)
CICO-28 Kitchener(300)	0600 Lexington & Louisville U's
0625 WSEE-35 Erie(300)	0605 WZTV-17 Nashville T
WKCN-27 Youngstown(250)	0640 W68AA Danville(130)
7-3 Tr 0700 KCCI-8 Des Moines(425)	7-14 Es 1600 WTVJ-4 Miami(1100)
0705 WHO-13 " " T	WPBT-2 " "
7-6 Gw 1700 CICO-32 Windsor	Unid-3; 3/4 cb; S
7-7 Es 1805 KCKT-2 Great Bend(760)	1630 WEDU-3 Tampa(930)
1810 KMOL-4 San Antonio(1120)	1725 WPTV-5 Palm Beach(1050)
1815 KTVY-4 Oklahoma City(780)	1730 WESH-2 Daytona Beach(860)
1830 KNOP-2 North Platte(830)	7-15 Tr 1905 Lexington, Morehead, Owen-
Unided-6 thru WRTV. Didn't	ton U's.
appear to be exactly zero	7-17 Es 1259 CJFB-5 Swift Current(1275)
offset. Spanish audio	1300 CBKMT-4 Moose Jaw(1200)
heard on FM tuner.	CKCK-2-6 Willow Bunch(1200)
1850 KWGN-2 Denver(1050)	CKCK-2 Regina(1175)
1900 KENW-3 Portales(1120)	1800 CBHT-3 Halifax(1200)
7-9 Tr 0600 Lexington & Youngstown U's	7-18Es 1315 KMOL-4 San Antonio(1120)
0615 WPGH-53 Pittsburgh(290)	1800 WBRZ-2 Baton Rouge(800)
7-10 Tr 2100 WPBO-42 Portsmouth(200)	1858 KENS-5 San Antonio(1120)
WKMR-38 Morehead(225)	7-20 Tr 0600 WBRZ-28 Scranton(500)
7-11 Es 2000 KENW-3 Portales(1120)	WNFP-16 " "
Tr 2300 Peoria U's(except 47)(225)	7-22 Tr 0540 WJET-24 Erie(300)
7-12 Tr 2100 WWT-36 Milwaukee(200)	0555 CBFT-78 Windsor(160)
WTVV-18 " "	CBLFT-3-48 Chatham(200)
7-13 Tr 0525 WCHS-8 Charleston(275)	CBLFT-2-40 London(260)

Zent; continued---
 7-22 Tr 0555 CICO-28 Kitchener(300) 7-26 Es 1530 KRGV-5 Weslaco(1275)
 CICO-18 London(260) KMID-2 Midland(1150)
 2200 WGSF-31 Newark(175) Tr 1700 KIII-3 Corpus Christi(1175)
 (now a satellite of WSVN-47 Norton(325)
 WOSU--wd) 2235 WKPT-19 Kingsport(350)
 7-23 Es 1900 KGFB-2 Grand Forks(775) 7-27 Es 1800 WBRZ-2 Baton Rouge(800)
 2100 CBHT-3 Halifax(1200) 1900 KENW-3 Portales(1120)
 7-25 Es 1545 KMID-2 Midland(1150) 1930 WDIQ-2 Dozier(680)
 1900 KENW-3 Portales(1120) 7-29 Es 1530 KLINE-3 Lexington(800)
 KNME-5 Albuquerque(1250) 7-30 Tr 2200 KWGN-2 Denver(1050)
 2000 KQNC-4(now KAMR-wd)(1000) WKZT-23 Elizabethtown(240)
 KMID-2 Midland(1150) "Another productive month with many
 2005 KAVE-6 Carlsbad T new loggings to date. Will give
 2100 KWGN-2 Denver(1050) information on these next month."

Fred Born Jr.; 304 Ivy St., Bay City, Mi. 48706 EDT

5-14 Tr 1859 CICO-18 London, On. 6-6 Es 2000 WSAV-3 Savannah, Ga.
 5-15 Tr 0130 WHIO-7 Dayton, Oh. 6-7 Es 1930 KETS-2 Little Rock, Ar.
 0200 WVIZ-25 Cleveland, Oh. KTBS-3 Shreveport, La.
 Es 1100 KPRC-2 Houston, Tx. 6-12 Tr 0300 WSAU-7 Wausau, Wi.
 1129 KGBT-4 Harlingen, Tx. 2145 CITY-79 Toronto, On.
 1229 WBRZ-2 Baton Rouge, La. 2230 WPGH-53 Pittsburgh, Pa.
 5-17 Tr 0630 WBBM-2 Chicago, Il. 7-14 Es 1830 WEDU-3 Tampa, Fl.
 5-18 Es 1159 KWGN-2 Denver, Co. 1845 CJER-3 Rimouski, P.Q.
 1229 KOTA-3 Rapid City, S.D. 7-22 Tr 1845 CICO-32 Windsor, Ont.
 1258 KOA-4 Denver, Co. 2000 CBLFT-3-48 Chatham, Ont.
 1329 KDIX-2 Dickinson, N.D. CICO-59 " "
 5-20 Tr 1830 WNDU-16 S. Bend, In.. CBLFT-2-40 London, Ont.
 1859 WSBT-22 " " CBLFT-1-76 Kitchener, On.
 2320 WBGU-57 Bowling Green, Oh. 2200 CITY-79 Toronto, On.
 2325 WLIO-35 Lima, Oh. CBEF-78 Windsor, Ont.
 6-5 Tr WXIX-19 Cincinnati, Oh. 7-23 Tr 0300 CFTO-9 Toronto, Ont.
 0700- WRAU-19 Peoria, Il. CBLT-5 " "
 0900 CKCO-42 Oil Springs, Ont. 7-29 Es 1500 KARD-3 Wichita, Ks.
 WUAB-43 Lorain, Oh. 1630 KNOP-2 North Platte, Ne.
 1200- CICO-28 Kitchener, Ont.
 1300 WANE-15 Ft. Wayne, In. Dxing equipment includes: Channel
 WNDU-16 S. Bend, In. Master VHF ant. and Channel Master
 WSBT-22 " " 7 ft. dish for UHF with preamp.
 CICO-18 London, Ont.
 WFTV-18 Milwaukee, Wi.
 WAKR-23 Akron, Oh.
 CKGN-22 Global(which one-wd)
 CKGN-29 Oil Springs, Ont.

Frank Wheeler; 6589 Wattsburg Rd., Erie, Pa. 16509 EDT

7-5 Tr 1100 WUCM-19 Mi. 2355(220) 7-19 Es 1320 WBRZ-2 La. 4433(1020)
 7-9 Tr 0630 WNEM-5 Mi. 3455(272) 1330 KATC-3 La. 4422(1056)
 0655 WENS-10 Oh. 4455(263) 1331 KJAC-4 Tx. " (1124)
 7-13 Es 1800 KLINE-3 Ne. 4433(1016) 1430 KETS-2 Ar. " (825)
 1900 KMTV-3 Ne. " (815) 1500 KFDX-3 Tx. 3422(1114)
 7-12 Es 1800 KATC-3 La. " (1056) 1600 KTBS-3 La. 4433(1005)
 7-14 Es 1300 KNOP-2 Ne. 4422(1015) 1643 KUSD-2 S.D. " (851)
 7-15 Es 1300 CKCW-2 N.B. 4433(820) 1828 KDLO-3 " " (846)
 1320 KYCU-5 Wy. 4422(1272) 1830 KPRY-4 " " (1032)
 7-16 Es 1250 CKCW-2 N.B. 4433(820) 1910 KFYR-5 N.D. 5544(1066)
 1332 CBHT-3 N.S. " (804) 7-20 Tr 0630 WJRT-12 M. 3455(195)
 1430 KJAC-4 Tx. 3422(1124) Es 2157 KWGN-2 Co. 4433(1292)
 1800 KUSD-2 S.D. 4433(851) 2230 KOA-4 Co. 4422 "
 1801 KDAL-3 Mn. 4422(682) 2231 KOTA-3 S.D. " (1169)
 2200 KNOP-2 Ne. 4433(1015) 2330 KNOP-2 Ne. 4544(1015)
 7-17 Es 1038 KYCU-5 Wy. " (1272) 7-19 Es 1530 WDIQ-2 Al. 4433(815)
 1100 KOTA-3 S.D. " (1169) 7-21 Es 1800 KWGN-2 Co. 3322(1292)
 1131 KNOP-2 Ne. " (1015) 7-22 Tr 0800 WNDU-16 In. 5555(318)
 1230 KPRY-4 S.D. " (1032) 0815 CBLFT-1-76 Ont. 5555(103)
 1231 CKX-5 Mn. " (1082) 7-23 Es 2330 KOTA-3 S.D. 3422(1169)
 1300 KDIX-2 N.D. " (1169) Tr 0800 WFTV-9 Mi. 1211(313)
 7-18 Tr 1321 CBLFT-2-40 On. 5555(87) 7-24 Tr 0850 WNDU-16 In. 4455(318)

Central Tv-Dx

Sept. 1976

Wheeler; continued---	7-27 Es 2200 KTEW-2 4422(943)	2230 WBRZ-2 " (1020)
7-24 Tr 0900 WKON-20 Mi. 4455(154)	7-28 Tr 0830 WHEC-10 3355(143)	Es 1300 WTHS-2 4433(1098)
Es 1100 WEDU-3 Fl. 4433(994)	1630 WPBT-2 5544 "	
1101 WPBT-2 Fl. " (1098)	7-29 Es 1658 KBTX-3 4422(1199)	1700 KLINE-3 " (1016)
7-26 Es 1030 WBRZ-2 La. 4522(1020)	1701 KWGN-2 " (1292)	1730 KTWO-2 " (1322)
1034 WCRG-5 Al. " (902)		
1130 KPRC-2 Tx. 4422(1210)		
1230 KFDX-3 Tx. 4322(1114)		

"I trust that all of you had a good time at the convention, sorry I couldn't be there. I'm greatly disappointed in my antenna I got. I wish I had got a parabolic. I had written Bob Seybold a self addressed envelope to let me know about them and where to get them but he never answered me. (Lafayette Electronics; 111 Jericho Turnpike, Syosset, L.I., N.Y 11791 has them; they have stores around the country--wd). One time before after the convention at his place I wrote to him but never got an answer. I don't know why. I guess I don't do too badly though for the equipment I have and the time I spent, but I could have done a lot better with better equipment. Those new Canadians sure mess up the dx on UHF. I wish they would give their call letters on their test patterns instead of just Global or etc. (They sure waste a lot of time running test slides, color bars, etc.--wd). Received a nice letter verie from KPRY-4 Pierre, S.D. " Log total: 263

Cyril Schaur; 253 Montgomery, E. Dubuque, Il. 61025 CDT

7-10 Tr 0155 WEHT-25 In. 3234(350)	7-23 Es 1100 WEDU-3 Fl. 3222(1095)	1102 KENS-5 Tx. 4322(1000)
7-11 Tr 0000 WILL-12 Il. 3233(205)	1103 WESH-2 Fl. 3322(1060)	
7-13 Es 1900 WBRZ-2 La. 2222(835)	7-24 Es 1130 WEDU-3 Fl. 3332(1095)	1131 WBRZ-2 La. 3322(835)
Tr 0010 WILL-12 Il. 3233(205)	1500 KIII-3 Tx. " (1100)	1528 KBTX-3 Tx. 2222(890)
0035 KPVS-12 Mo. 3222(360)	1530 KRIS-6 Tx. 3332(1100)	1530 WTHS-2 Fl. 3322(1400)
7-14 Tr 2200 Rockford & Peoria U's 55557-26 Es	7-27 Es 0730 WTHS-2 Fl. 3322(1400)	7-28 Es 1657 KOB-4 N.M. 4422(980)
7-15 Es WCBD-2 @ 1130 S.C. 2222(880)	1658 KENW-3 N.M. " (1035)	1704 KOTA-3 S.D. 2222(630)
1210 ICR-2 Havana 3112(1560)	1713 KDFW-4 Tx. 2322(750)	1715 KVIA-6?? (KVIA is on ch. 13 in El Paso and you must have seen their satellite KAVE-6 in Carlsbad, N.M.--wd)
1300 KWGN-2 Co. 1222(770)	1716 KTXL-5 Tx. 4332(850)	
1330 KATC-3 La. 2222(850)	1717 KPRC-2 Tx. 3322(925)	7-29 Es 1300 KENW-3 N.M. 4433(1035)
1340 WTHS-2 Fl. 3222(1400)	1302 KDBC-4 Tx. 4432(1125)	
1343 WEAR-3 Fl. 3322(865)		
1420 WEDU-3 Fl. 4322(1095)		
7-16 Es 1530 Unid-3; Mexican; man seated at desk with "Canel 3" on the desk.		
1540 KPRC-2 Tx. 2222(925)		
7-17 Es 1200 KREX-5 Co. 2322(950)		
1205 KSL-5 Ut. 1321		
7-19 Es 1542 WCBD-2 S.C. 2222(880)		
1545 WEAR-3 Fl. 3332(865)		
7-20 Es 1530 WBRZ-2 La. 3222(835)		
1550 KTVK-3 Az. 4322(1300)		
1630 WPBT-2 Fl. 3322(1400)		
1635 KIII-3 Tx. 2323(1100)		

Log total: 142

"As you can see July has been a very productive month ofr me especially the great E-skip opening into Texas on the 28th. In which I received 4 new stations from Texas. The rest of the month was good also with openings into Canada, Cuba and Mexico coming in. All in all I received 14 new stations this month bringing my log total to 142. (Note; KROC Rochester, Mn. is now KTTC.)"

Marvin Shults; R.R.#1, Toulon, Il. 61483 CDT

7-1 Tr 0820 KHIN-36 Red Oak, Ia.	7-2 Tr 0640 KAAL-6 Austin, Mn.
0829 K70ET Kirksville, Mo.	0700 KCCI-8 Des Moines, Ia.
W75AK Jacksonville, Il.	7-4 Es 1659 KRGV-5 Weslaco, Tx.
0830 K76EZ Ottumwa, Ia.	1700 KIII-3 Corpus Christi, Tx.
K74CO " "	XEFB-3 Monterrey, N.L.
WLKY-32 Louisville, Ky.	7-5 Tr 0600 WLKY-32 Louisville, Ky.
WDRB-41 " "	WKYT-27 Lexington, Ky.
0831 W68AA Danville, Il.	WEHT-25 Evansville, In.
0837 KMTC-27 Springfield, Mo.	0640 KAAL-6 Austin, Mn.
0840 KVFJ-21 Ft. Dodge, Ia.	0829 Sioux City U's
Es 1600 WGBH-2 Boston, Ma.	0859 KXNE-26 Omaha, Ne.

Shults; continued---
 7-7 Es 1729 KATC-3 Lafayette, La.
 1730 WBRZ-2 Baton Rouge, La. **T**
 1800 KPRC-2 Houston, Tx.
 KATC-3 Lafayette, La.
 7-14 Tr 0555 WEHT-25 Evansville, In.
 0556 WLKY-32 Louisville, Ky.
 0559 WKYT-27 Lexington, Ky.
 WLEX-18 " "
 0829 WTIU-30 Bloomington, In.
 0830 WVUT-22 Vincennes, In.
 Es 1300 ICR-2 Havana, Cuba
 1659 WPTT-2 Miami, Fl.
 1800 CJER-3 Rimouski, P.Q.
 1830 WEDU-3 Tampa, Fl.
 7-15 Tr 0558 WKYT-27 Lexington, Ky.
 0559 WLEX-18 " "
 0600 WLKY-32 Louisville, Ky.
 WAVE-3 " "
 Es 1325 WGBH-2 Boston, Ma.
 7-16 Es 1529 KPRC-2 Houston, Tx.
 KTBS-3 Shreveport, La.
 1530 XEFB-3 Monterrey, N.L.
 1536 KIII-3 Corpus Christi, Tx.
 1659 CBFT-2 Montreal, P.Q.
 1715 CKCW-2 Moncton, N.B.
 1720 CJBR-3 Rimouski, P.Q.
 2ES 1740 CJOX-3 Argentia, Nfld. **T**
 ("Mr. Hips" show; a woodworking show with two men building cabinet. The program is in English; ad for "Mary Tyler Moore Show"; your olympic network station. "See it on channel 3 in Newfoundland.")

7-19 Es 1300 WEAR-3 Pensacola, Fl.
 7-20 Es 1325 WGBH-2 Boston, Ma.
 7-21 Es 1130 KTVM-2 Billings, Mt.
 7-22 Es 0830 WTHS-2 Miami, Fl.
 WPTT-2 " "
 Tr 0900 WLKY-32 Louisville, Ky.
 7-23 Es 1029 WCBD-2 Charleston, S.C.
 1030 WESH-2 Daytona Beach
 7-24 Tr 0800 KCPT-19 Kansas City
 KBMA-41 " "
 0829 WKAR-23 Lansing, Mi.
 WDHO-24 Toledo, Oh.
 7-25 Tr 2100 Sioux City, U's
 KVPD-21 Ft. Dodge, Ia.
 2200 WTCN-11 Minneapolis
 2202 KSFY-13 Sioux Falls
 2205 KELO-11 " "
 2206 KGLO-3 Mason City, Ia.
 2210 KTCN-2 Minneapolis
 2215 KMSP-9 " "
 KTTC-10 Rochester, Mn.
 2229 KSTP-5 St. Paul, Mn.
 7-26 Es 1059 WEDU-3 Tampa, Fl.
 WESH-2 Daytona Beach
 1100 WFTV-5 Palm Beach, Fl.
 WCTV-6 Thomasville
 1155 KPRC-2 Houston, Tx.

"July has been a very busy dx month. On June 30th, I put the JFD TV-190 back up after more than a year after ice storm scrapped it. It has been up nearly as long now as it was before. I have been experimenting with antenna phasing in an attempt to

phase locals 4 & 6 out of picture and sound. I have received KMOX-4 sound at full quieting but have not been able to completely phase picture correctly. I have also been successful with both picture and sound from WTTI-6 on occasion as well as WTMJ-4 sound."

Don Ruland; 4448 68th pl., Kenosha, Wi. 53140 CDT

7-10 Tr 0550 WAVE-3 Louisville(330) 7-13 Tr 0510 WTVN-6 Columbus(320)
 WHAS-11 " "
 0600 WHD-13 Des Moines(310)
 KPLR-11 St. Louis(300)
 0513 WOKK-13 Huntington(420)
 0629 KGLO-3 Mason City(270) 0522 WAVE-3 Louisville(330)
 0645 KBMA-41 Kansas City(430) WJHL-11 Johnson City(520)
 0945 Lexington U's(360) 0530 WCMH-4 Columbus(320)
 WKON-52 Owenton(330) 0532 WLEX-18 Lexington(360)
 WCET-48 Cincinnati(300) WHIZ-18 Zanesville(360)
 1000 WKGB-53 Bowling Green(400) 0550 WLKY-32 Louisville(330)
 WKSO-29 Somerset(420) WKYT-27 Lexington(360)
 7-12 Tr 2100 WKYT-27 Lexington(360) 0553 WKPT-19 Kingsport(510)
 WKLE-46 " " 0555 WTVQ-62 Lexington(360)
 WTVQ-62 " " 0558 WRET-36 Charlotte(640)
 WCVN-54 Covington(310) 0600 WTAP-15 Parkersburg(400)
 WCET-48 Cincinnati(300) 0606 WKYH-57 Hazard(440)
 WKON-52 Owenton(330) 0610 WAKR-23 Akron(340)
 WSVN-47 Norton(480) WJET-24 Erie(400)
 WPTO-42 Portsmouth(370) 0620 WKEN-27 Youngstown(380)
 2200 WKMJ-68 Louisville(330) 0630 WSEE-35 Erie(400)
 Es WEDU-3 Tampa(1070) WPGH-53 Pittsburgh(430)
 Tr 2300 WDRB-41 Louisville(330) WCET-48 Cincinnati(300)
 7-13 Tr 0445 WLWT-5 Cincinnati(300) 0700 WZTV-17 Nashville(450)
 WKRC-12 " " WDRB-41 Louisville(330)
 WHAS-11 Louisville(330) 0740 WFIE-14 Evansville(320)
 0450 WKYC-3 Cleveland(330) 0742 WMSL-48 Decatur(560)
 WJW-8 " " (now WYUR--wd; in last month's WUD I said WYUN; not so.)

Ruland; continued---

7-14 Tr 0552 KPLR-11 St. Louis(300) 7-22 Tr 0558 WFMJ-21 Youngstown(380)
 0553 KFVS-12 Cape Girardeau(370) 0600 WYTV-33 " "
 0555 WEHT-25 Evansville(320) WAKR-23 Akron(340)
 0615 WLKY-32 Louisville(330) 2220 KCCI-8 Des Moines(310)
 0650 KDNL-30 St. Louis(300) 2230 WVIZ-25 Cleveland(330)
 WFIE-14 Evansville(320) 2250 WUAB-43 Lorain(310)
 Es 1930 CJBR-3 Rimouski(1020) 7-23 Tr 0550 London U's(340)
 7-15 Tr 0600 WLKY-32 Louisville(330) 0555 WEWS-5 Cleveland(330)
 WKYT-27 Lexington(360) 0615 WKCN-27 Youngstown(380)
 0700 KDNL-30 St. Louis(300) WKIX-19 Cincinnati(300)
 Es 1700 KIII-3 Corpus Christi(1160) 0630 WYTV-33 Youngstown(380)
 KATC-3 Lafayette(900) 0645 WJET-24 Erie(400)
 WEAR-3 Pensacola(850) WAKR-23 Akron(340)
 7-17 Es 1100 KYCU-5 Cheyenne(860) WFMJ-21 Youngstown(380)
 1130 KDUH-4 Hay Springs(740) KTSB-27 Topeka(470) T
 KTVM-6 Butte(1230) KBMA-41 Kansas City(430)
 1200 KFBB-5 Great Falls(1180) 7-25 Es 1930 KENW-3 Portales(1010)
 KXGN-5 Glendive(880) 7-26 Tr 0550 KPLR-11 St. Louis(300)
 1300 CKCK-2-6 Willow Bunch(970) 0700 WOSU-34 Columbus(320)
 KRTV-3 Great Falls(1180) WAKR-23 Akron(340)
 CKOS-3 Yorkton(890) 0725 WVIZ-25 Cleveland(330)
 1301 CBKMT-4 Moose Jaw(1000) WGSF-31 Newark(340)
 7-18 Tr 0605 CBFT-78 Windsor(250) T WHIZ-18 Zanesville(360)
 7-20 Es 1630 KMID-2 Midland(1070) 7-29 Tr 2130 KDNL-30 St. Louis(300)
 7-21 Tr 0550 CICO-18 London(340) 7-30 Tr 0600 WLEX-18 Lexington(360)
 CICO-28 Kitchener(400) WKYT-27 " "
 0620 CBLFT-2-40 London(340) WHAS-11 Louisville(330)
 CBLFT-1-76 Kitchener(400) WLKY-32 " "
 0700 CICA-19 Toronto(430) 0650 KDNL-30 St. Louis(300)
 0702 CITY-79 " " 0700 WAKR-23 Akron(340)
 7-22 Tr 0528 WCMH-4 Columbus(320) WOSU-34 Columbus(320)
 WENS-10 " " 7-31 Es 2110 KIII-3 Corpus Christi
 0530 CBFT-78 Windsor(250) (1160)
 0535 WJET-24 Erie(400) 8-3 Tr 0600 WWUP-10 The Soo(330)
 WKCN-27 Youngstown(380)
 0555 WTCN-11 Minneapolis(320)

Log total at: 427

"Sorry to have missed meeting all who attended WFPDA convention in Chicago, but earlier planned vacation trip was in direct conflict with convention dates."

Roger Brown: 1617 Linden St., E. Lansing, Mi. 48823 EDT

4-23 0245 Ms WDAY-6 Fargo, N.D. 6-19 Es 1800 CKCK-2 Regina
 5-5 Es 1330 KWGN-2 Denver, Co. 6-20 Es 1930 WPBT-2 Miami
 KNOP-2 North Platte 6-22 Es 2000 KPRC-2 Houston
 5-15 Es 1515 KENW-3 Portales 6-23 Es 1330 KUTV-2 Salt Lake City
 KOB-4 Albuquerque 1415 KTVX-4 " " " (1375)
 1530 KTXT-5 Lubbock 6-24 Es 1655 KWGN-2 Denver
 KNME-5 Albuquerque T 6-26 Es 2130 KPRC-2 Houston
 KWAB-4 Big Spring KFTX-3 Bryan
 6-1 Es 1400 CBFT-2 Montreal 6-27 Gw 0110 CBLFT-2-40 London
 CFCM-4 Quebec City Es 1200 WTVJ-4 Miami
 CKGN-2-2 Bancroft(380) WPBT-2 "
 6-4 Es 1500 KDFW-4 Dallas WEAR-3 Pensacola
 6-12 Tr 2315 CITY-79 Toronto(295) 1630 KOTA-3 Rapid City
 2335 WXXI-21 Rochester(340) KTWO-2 Casper
 6-16 Es 1720 WLBZ-2 Bangor KDUH-4 Hay Springs
 CKCW-2 Moncton 2135 WUFT-5 Gainesville
 CBHT-3 Halifax 2359 WTVY-4 Dothan
 CJCB-4 Sydney WPBT-2 Miami
 6-19 Es 0001 CKCK-2 Regina WTVJ-4 "
 CBKMT-4 Moose Jaw WEDU-3 Tampa
 CKOS-3 Yorkton WJXT-4 Jacksonville
 0040 CJFB-5 Swift Current WEAR-3 Pensacola
 0120 CKBI-5 Prince Albert WESH-2 Daytona Beach
 0125 CKBI-3-4 Greenwater Lake 6-28 Es 0024 WDEO-6 Orlando
 0130 CKBQ-2 Melfort 0030 WDIQ-2 Dozier
 (all in till after 0400) 0045 WCIX-6 Miami
 0400 CFQC-1-3 Stranraer 0112 KCEN-6 Temple

Brown; continued---

6-28 Es 0120 KAUZ-6 Wichita Falls	7-5 Gw 0730 CBFT-78 Windsor
0132 WAEG-6 Greenwood	Es 1930 KJAC-4 Port Arthur
0140 KFDM-6 Beaumont	7-13 Tr 2300 WKGB-53 Bowling Green
0204 WDSU-6 New Orleans	WCWN-54 Covington
0210 KOTV-6 Tulsa	WDRB-41 Louisville
(local WJIM-6 s/off at 0015)	7-14 Tr 0100 WKPT-19 Kingsport
1310 KPRC-2 Houston	7-15 Es 1330 KWGN-2 Denver
KJAC-4 Port Arthur	KOA-4 "
2300 WJXT-4 Jacksonville	KYCU-5 Cheyenne
WKY-4(now KTVY-wd)	1400 WEDU-3 Tampa
6-29 Es 0015 KTWO-2 Casper	1500 WTHS-2 Miami
KDUH-4 Hay Springs	1525 WUND-2 Columbia
Gw 1000 CICO-59 Chatham	7-26 Tr 0010 KSN-27 Sioux City
CBFT-3-48 "	KBIN-32 Council Bluffs
7-1 Es 1100 WTHS-2 Miami	(seen often.???) (Are you
WESH-2 Daytona Beach	sure you're talking about
1430 KPRC-2 Houston	KBIN and not KRIN--wd)
1500 WBRZ-2 Baton Rouge	0035 KTTC-10 Rochester
WDIQ-2 Dozier	0120 CKNG-9 Sudbury
WEDU-3 Tampa	Es 1230 KRGV-5 Weslaco(1380)
1600 KFDX-3 Wichita Falls	8-2 Es 1630 WSJK-2 Sneedville
	8-3 Es 1400 WTHS-2 Miami
	8-10 Tr 0045 KINL-30 St. Louis(
	KMTC-27 Springfield(600)
	0110 KHIN-36 Red Oak(600)
	2020 WTVK-26 Knoxville
	2030 WKMU-21 Murray(490)
	KTEJ-19 Jonesboro(590)
	2032 WMAV-18 Oxford(660)
	2100 WKSO-29 Somerset(400)
	WKGB-53 Bowling Green(425)
	WFIE-14 Evansville(380)
	2135 WZTV-17 Nashville(490)
	2200 WSVN-47 Norton, Va.
	2230 WKPT-19 Kingsport
	8-11 Tr 0010 WKYH-57 Hazard

Log Total Now At: 497

"---I've been more active this year than for quite awhile. Also, I now have my general ham ticket and an SSB rig and would enjoy qso's with other ham tv-dxers. Can work 10-80 meters, best success on 40 and 80. WBSSEN is call."

Jim Gould; R.R.#3, Kokomo, In. 46901 EST

7-7 Es 1800 KENS-5 San Antonio(1065)	7-11 Es 2100 KNME-5 Albuquerque
KMOL-4 " " "	7-12 Tr 2100 cci on 28, 36 & 42 to N.C.
1810 KXII-3 Corpus Christi(1102)	2325 WHO-13 Ia. 5531(390)
1817 KBTX-3 Bryan(900)	2326 WRET-36 N.C. 1515 T
1818 KFSM-5 Ft. Smith(577)	2331 WRDU-28 " 0410(522)
1859 KENW-3 Portales(1035)	2400 WSLs-10 Va. 4522 T
1933 KMID-2 Midland(1087)	7-13 Tr 0615 N.C. on 28 & 36
1958 KOTA-3 Rapid City(940)	0645 W70AO Wi. 3425(246)
7-9 Es 1726 KPRC-2 Houston(910)	0700 W78AJ Wi. 0530(232)
1729 KIII-3 Corpus Christi(1102)	0742 WTVI-42 N.C. 3524(473)
1845 KRGV-5 Weslaco(1210)	0802 WAAV-31 AL. 4532(410)
2030 KENW-3 Portales(1035)	7-14 Es 1700 CBHT-3 Halifax
Tr 2110 cci from KBMA-41 & WBRE-28	Cuba & Fl. stns
2200 KOLR-10 Springfield(445)	1930 Canadian ATV net on
2345 WHO-13 Des Moines(390)	chs.2,4&6
2350 KHIN-36 Ia. 3515(473)	2000 WGBH-2 Boston
7-10 Tr 0700 KBMA-41 Mo. 4522(458)	7-15 Tr 0700 WKPT-19 Tn. 3535(346)
0701 KTSB-27 Ks. 4533(510)	0702 WAAV-31 AL. under WMBD
0715 KMEG-14 Ia. 2523(540)	Es 1825 KOAA-5 Pueblo T
0745 KTUU-11 Ks. 3021 T	1845 KENW-3 Portales T
0830 KOMU-8 Mo. 5531(350)	7-16 Es 1700 Tele Rebelde-3; Cuba
7-10 Tr 2121 WLOS-13 N.C.(400)	1900 CBHT-3 Halifax(1170)
(thru WTHR)	I have seen what I beleive is Tele-
7-11 Tr 0001 WAAV-31 AL. 3533(410)	Rebelde on ch.3, twice within the
0008 WBMG-42 AL. 1525(490)	last week, carrying 3/4 or 2/3 color
0600 WLOS-13 N.C. 5544(400)	bars prior to their 1700 CDT s/on.
0605 Knoxville stations(346)	They show no i.d. on the bars, but
0607 WKPT-19 Tn. 3525(346) T	do show a slide at sign on of a
Es 1101 Miami & Cuba stations	transmission tower(drawing) with
ch.4 deep.	"Cubana" written in lower right side
2030 KENW-3 Portales(1035)	of screen. Definatly Cuba accord-
	ing to ant.(Tele Rebelde).

ould; continued---

- 7-16 Es 2100 KENW-3 Portales, N.M.(1035) 7-24 Tr 0720 KYNE-26 Ne. 2535(515)
- 2157 KWGN-2 Denver, Co.(1000) 0830 KHNE-29 Ne. 0323(642)
- Tr 2300 KOLR-10 Springfield(445) Es 1030 WPBT-2 Fl. (1090) T
- 7-17 Es 1000 KUTV-2 Salt Lake City(1365) 1240 KWGN-2 Co. (988)
- KDUH-4 Hay Springs(900) 1300 KOA-4 Co. (")
- 0950-1000 Unid-2 Spanish Speaking 7-25 Tr 0554 CBEFT-78 On.3535(215)
- station from West; appeared to be 0614 WNEP-16 Pa. 2525(545)
- coming from U.S.; seen several 0709 WBRE-28 Pa. 1523(536)
- times in last 2 years. Any ideas? 0800 CITY-79 On. 3525(410)
- 1014 KSL-5 Salt Lake City 0810 WBFF-45 Md. 2525(508) T
- 2Es? KIVI-6 Nampa(1560) Signals peaked at 0800 with ch.78
- 1030 KVCU-5 Cheyenne(970) snowfree; ch.76 & 79 fair; other
- 1044 KTVM-6 Butte(1372) Canadians snow free with ch.53
- 1100 KPLO-6 Reliance(750) T Pittsburgh snow free; ch.28 Wilkes
- 1200 KYUS-3 Miles City(1060) -Barre very stormg. By 0830 every-
- (others from Ut.,Co.,Ne.,S.D., thing nearly dead.
- Id.,& Canada, ch.6 deep) 7-25 Tr 0920 KOLR-10 & KMTC-27(445)
- 1300 CJFB-5 Swift Current(1244) Es 1405 XHY-3 Merida(1350)
- 1748 Possible 2Es from Carribean 1600 KTXT-5 Lubbock(988)
- area. 1621 KMID-2 Midland(1087)
- 1800 WPBT-2 Miami(1090) 1930 KOB-4 Albuquerque(1170)
- CBHT-3 Halifax(1170) KENW-3 Portales(1035)
- 2000 WEDU-3 Tampa(925) KNME-5 Albuquerque
- 7-18 Es 1819 KOA-4 Denver(988) 2100 KWGN-2 Denver(988)
- 1829 KTVM-2 Billings(1220) 2200 KOA-4 " "
- 1900 KUTV-2 Salt Lake City(1365) KNOP-2 N.Platte(760)
- 7-19 Es 1830 WGBH-2 Boston(680) Tr 2210 KTTC-10 Mn. 3523(396)
- 2140 KATC-3 Lafayette(793) T 2223 KMEG-14 Ia. 2524(540)
- 7-20 Tr 0620 WBRE-28 Wilkes-Barre(536) 2243 KCAU-9 Ia. 4533 "
- WVIA-4 Pa. 3525(536) 7-26 Tr 0127 WIBW-13 Ks. 3525(510)
- 0628 WICZ-40 N.Y. 1423(537) 0149 KCMO-5 Mo. 4534(458)
- 0640 Unid-31; same offset 1930 WTVK-26 Tn. 4533(346)
- as WMBD; East. 7-27 Es 1730 KRTV-3 Great Falls(1330)
- 0700 WFB-31 Md. 3522(445) KFBB-5 " " "
- 7-23 Es 1747 CHAU5-5 Perce, P.Q.(1250) 1800 KOA-4 Denver(988)
- 1757 CBHT-3 Halifax(1170) 1827 KDIX-2 Dickinson(970)
- 1758 KGFE-2 Grand Forks(685) 1830 KLINE-3 Lexington(710)
- 1802 WLBZ-2 Bangor(925) 1930 KTWO-2 Casper(1090)
- KID-3 Idaho Falls(1330)
- 1936 KMTV-3 Omaha T
- 1957 KTVS-3 Sterling(886)
- 1958 KXLF-4 Butte(1372)
- 1959 KTVQ-2 Billings(1220)
- 7-29 Tr 0715 KTTC-10 Mn. 3513(396) KNOP-2 N.Platte(760)
- 2000 KDIN-11 Ia. 3523(390) 7-28 Tr 0617 Huntsville U's(410)
- 7-30 Tr 0530 CKCO-13 Ont. 3533(T) 0620 KOLN-10 Ne. 2422(552) T
- 0545 WLOS-13 N.C. 3523(400) T 0626 WBMG-42 Al. 3525(485)
- 0700 KTTC-10 Mn. 4524(396) 0712 WCOV-20 Al. 3524(571)
- Tr? 0730 call slide on ch.2 that
- read "Kentucky Educational
- Television"; South.
- Tr 2100 WBMG-42 Al. 1514(485)

Log total now at: 562

Paul Gaines; 15920 Puritan, Detroit, Mi. 48227 EDT

- Paul sees stations from Toronto, Indianapolis, Chicago, Buffalo, Pittsburgh Milwaukee & Cincinnati on a daily basis--WD
- 7-8 Gw 2325 CBEFT-78 Ont. 5555(10) 7-14 Ms 0238 WCBS-2 N.Y. 1012(490)
 - 7-9 Tr 0754 WTAP-15 W.Va. 3544(235) Tr 0752 WKPT-19 Tn. 1522(405)
 - 0757 WHOY-12 " 2533(260) 0812 WTAP-15 W.Va. 1332(235)
 - 7-12 Ms 0340 WCBS-2 N.Y. 1112(490) 0829 WXIX-19 Oh. 1532(240)
 - 7-11 0500 " " 1312 " 0830 WGSF-31 Oh. 1122(165)
 - 7-12 Tr 0854 WTAP-15 W.Va. 1022(235) 0930 WBOY-12 W.Va. 3533(260)
 - Es 2255 KXAS-5 Tx. 2521(1000) Es 1500 KTBS-3 La. 4522(905)
 - 7-13 Ms 0456 WCBS-2 N.Y. 1012(490) WRBL-3 Ga. " (695)
 - 0740 WLKY-32 Ky. 1522(310) 2030 KACB-3 Tx. 3522(1190)
 - 0913 WKYT-27 Ky. 1022(305) KPDX-3 Tx. 3522(1000)
 - 0938 WICD-15 Il. 1522(305) 2115 KLENW-3 N.M. 4522(1200)
 - 0943 WILL-12 " " " 2150 WEDU-3 Fl. 4322(1000)

Gaines; continued---

7-15 Tr 0213 WLUK-11 Wi. 1022(275)
 0218 WBAY-2 Wi. 1522 "
 0744 WLKY-32 Ky. 5544(310)
 Ms 0257 WCBS-2 N.Y. 1012(490)
 Tr 0800 WTVK-26 Tn. 1532(450)
 0834 WTVQ-17 Il. 4544(300)
 0836 WICD-15 Il. 1122(305)
 0928 WDRB-41 Ky. 2521(310)
 0935 WIII-38 In. 1532(290)
 0940 WICS-20 Il. 1534(375)
 0945 WAND-17 Il. 1122(340)
 0959 WKYT-27 Ky. 1522(305)
 Es 1415 KTWS-3 Co. 3521(1020)
 1424 KYCU-5 Wy. " (1090)
 1434 WEDU-3 Fl. " (1000)
 1630 KATC-3 La. " (970)
 1800 KTBS-3 La. 2521(905)
 Tr 2228 W26AA N.Y. 1532(195)
 7-16 Ms 0432 WCBS-2 " 1212(490)
 Es 1412 KATC-3 La. 4522(970)
 7-17 Es 1355 CJFB-5 Sk. 4522(1280)
 KXGN-5 Mt. " (1085)
 7-18 Ms 0411 WCBS-2 N.y. 1312(490)
 Es 1400 KENS-5 Tx. 4522(1220)
 1830 KNME-5 N.M. " (1335)
 7-19 Es 1255 WEDU-3 Fl. 3521(1000)
 KATC-3 La. " (970)
 1400 WPTV-5 Fl. 4521(1110)
 WCIX-6 Fl. 1022(1170)
 1500 WDSU-6 La. 1522(940)
 1530 WEAR-3 Fl. 2521(870)
 2200 KRGV-5 Tx. 3522(1380)
 2337 KXAS-5 Tx. " (1000)
 2338 WLBT-3 Ms. " (790)
 7-20 Tr 0817 WXIX-19 Ky. 1022(240)
 Es 2227 KATC-3 La. 4522(970)
 2232 KFDX-3 Tx. 4322(1000)
 7-21 Ms 0208 WNEW-5 N.Y. 1012(490)
 7-22 Ms 0449 WCBS-2 " " "
 Tr 0805 WXXI-21 N.Y. 1544(280)
 0811 W26AA N.Y. 1222(195)
 0824 W46AB " 1022(180)
 0836 WHEG-10 N.Y. 1521(280)
 7-23 Ms 0337 WCBS-2 N.Y. 1012(490)
 7-24 Tr 0250 CBOT-4 Ont. 1022(425)
 0322 CJOH-1-6 Ont. 2033(340)
 0338 CKVR-3 Ont. 1122(225)
 Ms 0444 WCBS-2 N.Y. 1012(490)
 Tr 0524 WSAZ-3 W.Va. 1222(280)
 0552 CKCO-1-2 Ont. 1022(205)
 0819 WRAU-19 Il. 4533(345)
 0822 WMBD-31 Il. 3533 "
 0828 WTVQ-17 Il. 2222(300)
 0833 WICS-20 Il. 1022(375)
 Es 0933 WEDU-3 Fl. 4522(1000)
 0952 WCIX-6 Fl. 3522(1170)
 1020 WUFT-5 Fl. 4522(905)
 Tr 2152 WTAP-15 W.Va. 1022(235)

7-25 Tr 0243 WVIA-44 Pa. 1022(385)
 0258 WOKR-13 N.Y. " (280)
 0305 WJZ-13 Md. 1122(400)
 0409 WSAZ-3 W.Va. 1322(280)
 0412 CKVR-3 Ont. 1222(225)
 Ms 0429 WCBS-2 N.Y. 1012(490)
 Es 2045 KENW-3 N.M. 3521(1200)
 2046 KBTX-3 Tx. " (1070)
 2300 KTWS-3 Co. 4521(1020)
 7-26 Tr 0212 WOKR-13 N.Y. 1022(280)
 Ms 0246 KDFW-4 Tx. 2012(985)
 0338 WCBS-2 N.Y. 1312(490)
 Tr 0830 WICS-20 Il. 1022(375)
 0834 WAND-17 Il. 1533(340)
 0906 WMBD-31 Il. 1022(345)
 Es 1015 WUFT-5 Fl. 5521(905)
 1030 WEAR-3 Fl. 3521(870)
 1100 WCIX-6 Fl. 4521(1170)
 KALB-5 La. " (915)
 1130 KENS-5 Tx. " (1220)
 KATC-3 La. " (970)
 1143 WEDU-3 Fl. 2121(1000)
 1230 KRGV-5 Tx. 5521(1380)
 1300 KRIS-6 Tx. 4521(1280)
 2200 KXAS-5 Tx. " (1000)
 KTBS-3 La. " (905)
 KBTX-3 Tx. " (1070)
 7-28 Tr 0145 WOKR-13 N.Y. 1122(280)
 0725 WTAP-15 W.Va. 1522(235)
 7-31 Ms 0415 WCBS-2 N.Y. 1112(490)
 Tr 0422 WSAZ-3 W.Va. 1532(280)
 0428 CKVR-3 Ont. 1322(225)
 8-1 Tr 0447 WSAZ-3 W.Va. 1132(280)
 0449 CKVR-3 Ont. 1032(225)
 Ms 0451 WCBS-2 N.Y. 1512(490)
 8-2 Tr 0400 WBAY-2 Wi. 2022(275)
 Ms 0408 WCBS-2 N.Y. 1212(490)
 8-3 Tr 0200 Uxbridge-22 1133(240)
 Ms 0347 WCBS-2 N.Y. 1312(490)
 Tr 0350 WSAZ-3 W.Va. 1023(280)
 0909 WXIX-19 Ky. 1532(240)
 8-4 Tr 0140 WOKR-13 N.Y. 3544(280)
 0145 WROC-8 N.Y. 2532 "
 0849 WXXI-21 N.Y. 1533 "
 8-5 Tr 0153 Uxbridge-22 1532(240)
 0156 WOKR-13 N.Y. 1023(280)
 8-6 Tr 0402 WSAZ-3 W.Va. 1022(280)
 8-5 Ms 0401 1212 WCBS-2 N.Y.(490)

Log total now at: 269

I received a phone call from Jim Gould yesterday and he said he saw a TVO station with color bars on ch.33. He said they were the same offset as WYTV. This would probably be the station in Peterborough, Ont. The funds for this station were cut

according to the Feb. WUD but apparently someone scraped up enough money to get them on the air.--wd.

William J. Draeb; Ellis St. R.R.#2, Kewaunee, Wi. 54216 CDT

7-14 Es 1610 CJBR-3	7-14 Es 1747 WTVJ-4	7-14 Es 1807 CBIT-5
CKCW-2	1751 WPTV-5	2000 KTBS-3(910)
1621 CFCM-4	1755 CBHT-3 T	KALB-5 T
1633 CHSJ-4	1800 CJCB-1-6	2110 WEDU-3(1192)
1735 WTHS-2 t	1807 CJCB-4	7-15 Tr 0545 Youngstown U's

Feb; continued---	7-19 Es 2207	WBRZ-2(1002)	7-25 Tr 0837	WTVQ-62
15 Tr 0545	WJET-24	2250 KALB-5 T	Es 1602	KDFW-4
	WSEE-35	KPRC-2(1118)		KXAS-5 T
0807	CBLFT-48	2301 WJXT-4		KMOL-4
	CBLFT-78	7-20 Es 2010		KCEN-6
	CICO-59	2031 WBRZ-2	1620	KAUZ-6
	CICO-18	7-21 Tr 0615		KFDX-3
	CBLFT-40	WJET-24		KFTX-3
	WHIZ-18	0625	2000	KAMR-4
1945	Dayton U's	WSEE-35	2055	KENW-3
Es "	KDFW-4	CICO-18		KOB-4
1957	KXAS-5	0750	2107	KWAB-4
Tr "	Cleveland U's	CICO-28	2119	KMID-2
7-16 Es 2105	KATC-3	CBLFT-40		KXLF-4 T
	2112 KALB-5	CICO-59	2258	KSMD-2 T
	2245 KMOL-4 T	CBLFT-76 T		KRTV-3 T
	2250 KBTX-3	WEDU-3	7-26 Tr 0645-0712	
	KPRC-2	WDIQ-2 T		WSEE-35
	KMID-2 T	WT VY-4 T		WOSU-34
	2200 KIII-3 T	WESH-2		WHIZ-18
7-17 Es 0240	KENS-5	Tr 2136	Evansville U's	WAAY-31
	KDFW-4	KDNL-30		WYUR-48
	KXAS-5 T	2154	(ex-WMSL)	WHNT-19
0635	KOA-4 T	WILL-38		WLKY-32
0659	KOTA-3	2210	0734	WBMG-42
1105	KOA-4	WICD-15		(768)
1200	KWNB-6	W68AA		WTIU-30
	KDUH-4	7-22 Tr 0630		WDRB-41
	KYCU-5	CICO-18		0745
	KTWO-2	CICO-28		WZTV-17 T
	KWGN-2	CBLFT-40		0751
	KTVS-3	CBLFT-76		WKPC-15
	KBSJ-5 T	WJET-24		0803
1237	CFCN-4	WSEE-35	Es 2100	WLEX-18
	KTVM-6	WAKR-23		WCET-48
	KXLF-4	WJET-24		KBTX-3
	CFAC-2	WKEN-27		WWL-4
	KRTV-3	WTTV-33		2215
	KFB-5	CICO-18		KTVX-4
	KT VQ-2	WNEO-45	7-27 Rs 1710	2320
7-18 Tr 0730	WKEN-27	CBLFT-40		KID-3
	WYTV-33	0654		KENW-3
	KDNL-30	0705		KOB-4 T
	WAKR-23	WJAN-17		1730
0750	WJAN-17	0726		(1400)
	WUAB-43	0730		WCIV-4
	CICO-28	2206		1735
0825	CBLFT-40	KDNL-30		WCSC-5
	CICO-18	WTIU-30		WTHS-2
0829	CBLFT-76	WICS-20		WTVJ-4
Es 1725	KAMR-4	WFYI-20		WPTV-5
	KENW-3	7-25 Tr 0530-0615		1746
1735	KTX-5 T	WENS-10		WESH-2
1737	KXAS-5	CHCH-11		1800
7-19 Es 1715	KOTA-3	CKNC-9		WCBD-2
	KDUH-4 T	CKNC-1-7		KATC-3
1717	KTWO-2	CKSO-5		Unid-4
1738	KDSJ-5 T	CKNY-10 T		(ad for WOCN)
1745	KPRY-4 T	CKCO-1-2		1930
1815	CFAC-2	CKCO-13		WEDU-3
	CFCN-4	CBLAT-4-11		2100
2150	WTHS-2 T	CBFST-7 T		KRTV-3
	WTVJ-4	0649		1930
	WEDU-3	WVIZ-25		2100
	WEAR-3 T	WEHT-25		KXLF-4
2159	WESH-2	0653		2111
	KATC-3	WKEN-27		KFB-5
2202	WJXT-4	WYT V-33	7-29 Tr 2200	KDNL-30
2203	KJAC-4	0815		KPOB-15 T
		K70DU		2210
		WAKR-23		KMTC-27
		WJAN-17		KOZK-21 T
		0837	7-30 Tr 0745-0818	
		WKYT-27		CICO-18
				CBLFT-40
				CBLFT-76
				CICO-28
				WJET-24
				WSEE-35

Draeb; continued	8-10 Tr 2203	WKMA-35(499)	8-18 Tr 0727	WKMU-21(553)
7-30 Tr 0745-0818		WKMU-21(553)		WKMA-35(499)
WMUL-33(498)	8-11 Tr 0700	WEHT-25(420)	0733	KHIN-36
WVUT-22(405)	2135	WKPC-15		KHTV-39(1118)
WTIU-30		WLKY-32		("3 Stooges Theatre
Evansville U's		WDRB-41	0800	WJET-24
WKYT-27	8-12 Es 0825	WSAV-3		WKBN-27
WLKY-32	1730	KPRY-4(630)		WYTV-33
8-1 Tr 0700	8-15 Tr 2028	WOSU-34	0841	KOZK-21(589)
WAKR-23	2130	KDNL-30		(booming in)
0730	8-16 Tr 2041	WMUL-33		KRCG-13
8-4 Tr 0630		Cleveland U's	1957	WOSU-34
WKBN-27		WKYT-27		Cleveland U's
WJET-24		WKSO-29		WTIU-30
WSEE-35		KDNL-30	2149	Sioux City U's
0910		WUNF-33(680)		KVFD-21
Es		(lasted 10 min)	2204	WXIX-19
WEDU-3		2126		WCET-48
WSB-2 T		2130		WKON-52
WTVY-4 T		2143		WCVN-54
8-8 Tr 2000		2156		WIPB-49
Sioux City U's	8-17 Tr 0609	WKBN-27	8-19 Tr 0145	KCBJ-17
KVFD-21		(snowfree at 0900)		KVFD-21
8-9 Tr 0655		WAAY-31		KMTC-27
KBMA-41		WLKY-32		KDNL-30
KCBJ-17		WKYT-27		WLKY-32
KCPT-19 T		WYUR-48		WLEX-18
2104		WKPT-19		WKYT-27
2217		0646	0750	WXIX-19
8-10 Tr 0529		WTVK-26		WLEX-18
KPLR-11(432)		Evansville U's		WJET-24
WCPO-9(400)		0705		WKSO-29
WTHI-10		0712	Es 1745	KWGN-2
0545		0727		MOA-4
WHNT-19(685)		0730		KRMA-6
WEHT-25		0825		KUTV-2 T
WAAY-31 "		WMAV-18	1754	KTUX-4 T
WYUR-48 "		0830		KSL-5 T
WLKY-32		0834		KREX-5 T
0557		0843		8-20 Tr 0035
WXIX-19		WSVN-47		WOI-5
0622		WRET-36 T		KCCI-8 T
WZTV-17 T		0905		0610
0818		WKHA-35		KDNL-30
WMAV-18		WCVN-54		WAKR-23
KDNL-30		1725		0615
0826		WKPC-15		WJET-24
WRBT-33(1002)		WDRB-41		0630
(black woman reading		WIIIL-38		CICO-28
local news)		WUSI-16		CBLFT-25
WTIU-30		WVUT-22		CBLFT-76
WIIIL-38		2007		CITY-79 T
WICS-20		WVUT-22		WBRE-28(630)
0900		KDNL-30		0642
WVUT-22		2157		Youngstown U's
1235	8-18 Tr 0200	KCBJ-17		WHIZ-18
KFVS-12		0200		0648
(over WISN)		0620		WEHT-25
WTWO-2		KTUVJ-16(630)		0700
WCIA-3		WLKY-32		WXIX-19
WTTV-4		WKYT-27		2135
1253		WEHT-25		WMUL-33
WSIU-8(480)		0624		WOSU-34
1259		WZTV-17		CBLFT-76
WSIL-3(475)		0632		CICO-28
(Paul Harvey promo		0637		WNEP-16(630)
verified by phone)		0641		WDAU-22 "
1931		0643		WERE-28 "
WKSO-29		(snow free)		WVIA-44 "
WDRB-41		0645		2150
2001		KDOG-26(1118)		WFPB-31(595)
WTVK-26(626)		(snow free from		("Critics Place " at
WSVN-47		0842-0915)		2327)
WIPB-49		0649		2152
2028		KCBJ-17		W26AA
WKPT-19		0703		WFAF-29 T
WKLE-46		WMAV-18		Sioux City U's
2058		0711		2215
WCET-48		WMAO-23		WVU-24(513)
2137		0725		
2141		WKSO-29		
WKPC-15				
2150				
WKGB-53				
WZTV-17				

aeb; continued

20 Tr 2235 WHAG-25(595)	8-21 Tr 0752 WCNY-24(575)	8-22 Tr 0709 WNED-17
("Tonight Show" followed by a movie)	0755 WUTR-20(620)	WKEN-27
2306 WICZ-40(600)	0806 WPGH-53(480)	CICO-18
-21 Tr 0007 WSBA-43 T	0819 WJNL-19 T	CICO-28
0050 Scranton U's	1847 WJET-24	CBLFT-40
(except ch.44)	WUTV-29	WN DI-18 T
WHAG-25	CICO-28	WDCA-20 T
CBLFT-25	WSEE-35	WKYT-27
0705 Binghamton U's	WQLN-54	0717 WFMJ-21
WYTV-33	W26AA	WJAN-17
WKEN-27	Toronto U's	WYTV-33
CICA-19	CBLFT-76	0727 WCNY-24
CICO-18	WNED-17 T	WUTR-20
WJAN-17	2005 WWVU-24(513)	0730 CBLFT-25
KVPD-21	2028 CICO-24(583)	CICA-19 T
WXXI-21(500)	(snowfree most of the time)	0736 WXXI-21 T
CICO-28	2101 CFVO-30(588)	0739 W26AA
0730 WNEO-45	(man reading news at 2144; auto-mobile commercial at 2147; all French)	0742 WHNB-30
0732 WBFF-45 T		(lasted about 15 min) U's
WSBA-43		0748 Binghamton U's
WOPC-38 T		0751 WSEE-35
0750 W26AA	2125 CICO-33 T	Elmira U's
		0810 W46AB
		0814 WJET-24

A very interesting month. It seems as though tropo dx has finally come to life. I hope it continues to be active for a while. The tropo opening to Houston on the 18th was unlike any thing I've seen before. XDOG-26 was barely detectable when I first saw them and they gradually increased in strength until 0842 when they became snow free. KHTV-39 dropped a little short of becoming snow free. KFPW-40 remained relatively constant in signal strength and I got a photo of them. KUHI-16 was barely detectable all the time but KMTC-27 and KOZK-21 were booming in here like they were locals. 73's for now--

Bill

SOUTHERN FM DX (continued from page 14)

SEPTEMBER 1976

That's it for the reports this month. Because of the time element, I will go ahead and report here that WVOK-FM 99.5, Birmingham is on as reported by Bruce Elving in his column last month. They presently are testing (during the day; haven't noted them on after sunset) with progressive music and album cuts. Announcements are made about every 10 or 15 minutes and IDing as "K-99". When regular programming begins, we'll let you know through Bruce's column.

No FM DX for me this summer, other than some short tropo. We moved to Birmingham June 1 after spending six years in Tuscaloosa and the University of Alabama and I still haven't learned all Birmingham's locals and semi-locals, so all I know is the band here is crowded. Lack of some decent equipment hasn't helped, either. I am using a Tenna 8-track/ FM stereo that won't fit in my car and a homemade dipole. At least here we're not in a highrise, hi.

My thanks, again, to those who reported this month. Til next month,

Best of DX

Dave

DIAL-A-DX-OPENING: The Smithsonian Institution offers a unique service which can be utilized by DXers. Dial 202-737-8855, and you'll hear a report about upcoming meteor showers (as well as eclipses and Skylab schedules for astronomy buffs). If you're not involved in MS DX, get started! ---Clarke Ingram

WESTERN TV-DX

Doug Everitt
1708 W Maine
Enid OK 73701

Deadline: 5th

September 1976

Once again, hi-band Es has been seen. Jim Pizzi was one of the lucky ones, making some interesting catches from my part of the country. Jim also notes a Florida FM station by double-hop.

I'd like to take this opportunity to thank Dennis Smith & Clarke Ingram for their invaluable help. Let's hope I can match the fine work Dennis has been doing for the club.

Now, on to the Es chart ...

Date	Jun 28	Jul 1	2	3	4	5	6	7	8	9	10	11	12	13
#reporters	1	4	5	4	5	3	3	5	2	3	2	5	1	4
MUF at least	4	107.9	107.3	103.9	88.9	6	107.5	107.3	4	107.9	4	99.1	3	94.5

14	15	16	17	18	19	20	21	22	23	24	25	26	27
4	5	4	4	5	3	5	5	4	4	2	3	2	4
106.9	107.9	106.7	100.7	107.9	105.7	101.9	104.7	107.7	107.9	99.1	107.9	7	107.9

28	29	30	31	Aug 1	2	3	4	5	6	8	9	Note the new deadline. I hope all	
1	5	3	2	2	2	1	1	1	1	2	1	reporters will do their best to	
94.5	9	3	107.9	4	104.3	4	5	94.1	4	3	4	comply. It sure would help!	

Steven Wiseblood, 707 Loma Way, Santa Maria CA 93454 (PDT) (09 Jul-09 Aug)

09 Es 1306 KTVQ 2 MT Billings	22 Es 0930 KTVQ 2 MT Billings
1345 KXLF 4 MT Butte	0958 KREM 2 WA Spokane
1459 CFAC 2 AT Calgary	1059 KOMO 4 WA Seattle
1507 UnID 3 "Gambit" CBS	1326 KDBC 4 TX El Paso
1903 XHI 2 SON Los Mochis	1329 KMID 2 TX Midland
11 Es 2130 UnID 2	1836 KOMO 4 WA Seattle
13 Es 0943 KTVY 4 OK OK City	1915 KATU 2 OR Portland
0944 KOCO 5 OK OK City	2230 KMID 2 TX Midland
1002 KCKT 2 KS Great Bend	23 Es 1700 CFAC 2 AT Calgary
1130 KAMR 4 TX Amarillo	27 Es 1530 KWGN 2 CO Denver
1144 KWGN 2 CO Denver	1630 KTVQ 2 MT Billings
1615 KREM 2 WA Spokane	29 Es 1430 CKCK 2 SK Regina
1616 KXLY 4 WA Spokane	1430 KTVQ 2 MT Billings
1658 CFAC 2 AT Calgary	1430 KXLF 4 MT Butte
16 Es 1401 UnID 2	30 Es 1008 KCKT 2 KS Great Bend
1404 XHCH 2 CH Chihuahua	31 Es 1600 KMID 2 TX Midland
1531 KIWO 2 WY Casper	02 Es 1138 UnID 2 Mexico
17 Es 1312 UnIDs 2-5	1216 XHCH 2 CH Chihuahua
1502 CHBC 2 BC Kelowna	1332 KMID 2 TX Midland
18 Es 1228 KIWO 2 WY Casper	08 Es 1350 XHI? 2 SS/Mexico
1230 KREM 2 WA Spokane	09 Es 1005 KWGN 2 CO Denver
1258 KTVQ 2 MT Billings	1020 KNOP 2 NE North Platte
19 Es 1606 KCKT 2 KS Great Bend	1028 KMID 2 TX Midland
20 Es 1735 XEJ 5 CH Cd Juarez	1029 KIWO 2 WY Casper
1802 KENS 5 TX San Antonio	1225 KREM 2 WA Spokane
21 Es 0930 KCKT 2 KS Great Bend	1228 KXLY 4 WA Spokane
0955 KWGN 2 CO Denver	ID as "XL-4"
0955 KDUH 4 NE Hay Spgs	
1000 KNOP 2 NE North Platte	
1004 KPRY 4 SD Pierre	

Fred McCormack, Des Lacs ND 58733 (CDT) (01 Jul-29 Jul)
Equipment: Heath GR-295; Winegard CW-48 (*Fargo DX: Broadmoor 9"; rabbit ears)

* 01 Es 1530 WDIQ 2 AL Dozier 1195	* 07 Es 0930 WBRZ 2 LA Baton Rouge 1185
1659 WBRZ 2 LA Baton Rouge 1185	1000 KPRC 2 TX Houston 1200

(continued next page--de)

ed McCormack continued...

* Fargo DX

Es 1029 KENS	5 TX San Antonio	1220	* 19 Es 1800 WTTG	5 DC Washington	1135
1800 WDIQ	2 AL Dozier	1195	20 Es 1705 KMID	2 TX Midland	1115
1815 WEAR	3 FL Pensacola	1225	2200 WAVE	3 KY Louisville	1035
1823 WKRK	5 AL Mobile	1215	2205 WGR	2 NY Buffalo	1155
1932 WBRZ	2 LA Baton Rouge	1185	2211 WRCB	3 TN Chatanooga	1235
9 tr 1153 KSTP	5 MN St Paul	215	2212 WLAC	5 TN Nashville	1120
1203 KXMC	13 ND Minnot	225	2217 WFBC	4 SC Greenville	1345
1214 WTCN	11 MN Minneapolis	215	2246 KTVI	2 MO St Louis	865
	over KTHI		2251 CKCO2	2 ON Wlarton	1005
1228 KTCA	2 MN St Paul	215	2358 WSB	2 GA Atlanta	1330
1230 KMSP	9 MN Minneapolis	215	21 Es 0010 KTVU	2 CA San Fran/Oakland	
.0 tr 0730 WDSE	8 MN Duluth	220	0032 KUTV	2 UT Salt Lk Cy	725
.1 Es 0724 KATC	3 LA Lafayette	1185	0059 KORK	3 NV Las Vegas	1075
.3 Es 1728 WCAX	3 VT Burlington	1165	0858 KATC	3 LA Lafayette	1335
1830 CKGN2	2 ON Bancroft	915	0900 KACB	3 TX San Angelo	1155
.4 tr 0832 KEYC	12 MN Mankato	235	1029 KARD	3 KS Wichita	750
15 Es 0825 WLBT	3 MS Jackson	1070	1029 KSNB	4 NE Superior	590
0853 WAVE	3 KY Louisville	810	1059 WREC	3 TN Memphis	1075
0859 WSB	2 GA Atlanta	1115	1100 WMC	5 TN Memphis	1075
0900 WRCB	3 TN Chatanooga	1005	1158 KOBI	5 OR Medford	1115
0900 WNGE	2 TN Nashville	905	1230 KPIC	4 OR Roseburg	1115
1200 WAGA	5 GA Atlanta	1115	1230 KUTV	2 UT Salt Lk Cy	725
1858 WBRZ	2 LA Baton Rouge	1185	1330 KFDX	3 TX Wichita Fls	1000
16 Es 1700 WGR	2 NY Buffalo	935	1330 KENW	3 NM Portales	970
2058 WRAL	5 NC Raleigh	1215	1344 KPHO	5 AZ Phoenix	1150
2100 WMAB	2 MS St.College	1015	1530 KOIN	6 OR Portland	1020
2200 WEAR	3 FL Pensacola	1225	1558 KOMO	4 WA Seattle	970
17 Es 0610 WBRZ	2 LA Baton Rouge	1185	2015 UnID	3 Spanish	
18 Es 0013 WPMY	2 NC Greensboro	1150	2212 UnID	2 Alberta	
1700 KETS	2 AR Little Rock	890	* 29 Es 1800 WMAR	2 MD Baltimore	1135
1700 WBRZ	2 LA Baton Rouge	1185	1958 KBCT	2 ID Boise	960

Paul Wardell, 2104 SE 28th Place, Portland OR 97214 (PDT) (21,22 July)
 Equipment: GE 10" Porta-Color; Archer preamp; Rabbit Ears. Receiver at Rockaway OR.

21 Es 2000	KTVQ	2	Billings MT	720	NBC promos, ID	Fair Color
22 Es 1115	KTVU	2	San Francisco CA	520	Local Ads, movie	
1905	KDIX	2	Dickenson ND	1010	ABC Olympics, local ad	
2000	KNXT	2	Los Angeles CA	850	Local ads	
2000	KNBC	2	Los Angeles CA	850	ID - Great Color	

Several UnIDs were seen on the 22nd, between 1830 & 2100, the longest of which was five minutes. Most were on 2 with some on 3. That's all I have. 73's (hope to hear from you more in the future--de)

Patrick Martin, PO Box 14192, Portland OR 97214 (PDT) (28 June-17 July)
 Equipment: 21" b&w Philco console; 10-element Lafayette FM yagi; 5-element Winegard ch.3 yagi; 6-element homebrew hi-band yagi; RMS tunable VHF booster, c.1953.

28 Es 1215	KNBC	4	CA	05 tr 0230	KVOS	12	WA
01 tr 0230	CHAN	8	BC	Es 1445	UnID	4	
03 Es 1612	WLWC?	4	OH	14 Es 1207	KNBC	4	CA
(2Es? now WCMH--de)				15 Es 1420	KOAA	5	CO
1629	KOA	4	CO	1435	KENW	3	NM
1730	KDUH	4	NE	1445	KOA	4	CO
1735	UnID	3		1500	KTVS	3	CO
with NYC program				1530	KREX?	5	CO
1749	KTVS	3	CO	1616	KFYR	5	ND
04 Es 0000	KNBC	4	CA	1630	KXJB	4	ND

(continued next page--de)

Patrick Martin continued...

17	tr	0230	CBUT	2	BC	17	tr	1441	KID?	3	ID
		1410	KXLY	4	WA		Es	1451	UnID	3	
		1430	KAID?	4	ID						Wide World of Sports

As you can see, I have been getting quite a bit of Es. The weather conditions this summer have been very strange. It will be hot for a day or so, and then it will cool off for a few days. I have a feeling that is one thing that is bringing in more Es and tropo than usual. (actually, Es isn't generally affected by weather but your tropo is--de)

A few words about the UnIDs. WLWC on ch.4 is a good possibility, as there was a report on the station's newscast on Columbus. I sent a tentative. (now WCMH--de) During the skip on 7/3, I logged this strange program on NYC. I am wondering if anyone else caught that one.

On 7/5, an UnID station carrying Mike Douglas was seen. Went to the library and looked thru many TV Guides, but found nothing.

The Public station on 7/15 was s/cast w/KOAP. Since skip was coming from that area, I have a good idea it was KENW. Same goes for KREX, as skip was coming from that area.

There was a Public station interfering with KOMO/KXLY (7/17), which I believe might be KAID. I think it was also s/cast w/KOAP-10. Then, I received a station with Wide World of Sports three hours earlier than it is aired in the Pacific zone. An EDT station??

I raised my hi-band antenna up a little (20'), and now I receive CHAN-8 and KVOS-12 pretty regularly after the locals on 8 & 12 sign off. That should do it for this time... Good DX to all. 73's, Patrick

Buck Battin, 410 Robbins Drive, Rapid City SD 57701

After a short "leave of absence", during which I lived in Shreveport LA, I am back in the area covered by WESTERN TV DX. I'm now news director at KEVN-TV in Rapid City. KEVN is a brand new station operating on ch.7, with a satellite on ch.5. Airdate was July 11. The stations replace KRSD, which lost its license because of crummy equipment.

I've been working seven days a week, and haven't had any time to install my antennas. Rapid City is in the Black Hills, which apparently would cut out any tropo possibilities to the west--but the east looks clear for tropo. Hopefully, it will only be a matter of time before I am again sending in reception reports. (hope you get some time to DX and report to us--de)

Richard Noel Allen, Billings OK 74630 (04 July-01 August) (CST) Totals: 301

Receivers: Sony KV1212 12" color & Sony TV115 11" b&w.

Antennas: Preamped 11-element VHF log & 44-element UHF log, above 25', rotator.

New station logged New mode of propagation

04 Es 1850 XEZ	3 QRO 1100	20 Es 2119 WUNC	4 NC 1040
05 Es 1730 WEDU	3 FL 1050	2120 WRAL	5 NC 1050
1800 WTHS	2 FL 1250	23 Es 1759 UnID	2 CBC station
06 Es 1700 XEW	2 DF 1170	24 Es 0945 CBWFT	3 MB 930
1802 KUTV	2 UT 840	0952 CKOS	3 SK 1040
11 Es 1628 WBBM	2 IL 600	0958 CKCK	2 SK 1020
1700 KOAI	2 AZ	1158 WEDU	3 FL 1050
1700 XEZ	3 QRO 1100	1228 KDIX	2 ND 770
1800 UnIDs	2&3 Mexican	1228 CKCK	2 SK 1020
1857 XEZ	3 QRO 1100	25 Es 1828 CBLT	5 ON (#300)
1859 WBAY	2 WI 720	1834 WKYC	3 OH 930
12 Es 1903 UnID	3 Mexican	1836 WOAY	4 WV 880
2009 WMAR	2 MD 1160	1855 WPSX	3 PA 1070
15 Es 1646 WEDU	3 FL 1050	2125 CKPR	2 ON 920
18 Es 1130 WESH	2 FL 1075	26 Es 2058 KTCA	2 MN 620
1650 WESH	2 FL 1075	2146 CKCK	2 SK 1020
1650 WTHS	2 FL 1250	2213 UnID	2 Canadian
19 Es 2100 WESH	2 FL 1075	27 Es 1720 WSAV	3 GA 980
2103 WTHS	2 FL 1250	1759 KGFE	2 ND 805
20 Es 2100 WSAV	3 GA 980	1835 CBWFT	3 MB 930
2102 XEZ	3 QRO 1100	1837 CBWT	6 MB 930
(ever get tired of them?--de)		1925 UnID	2 CBC station
2110 WFMY	2 NC 1000		
2110 WUND	2 NC 1180		

(continued next page--de)

ard Allen continued...

Es 1655 CKCO 2 ON 1020	01 Es 0903 WESH 2 FL 1075
1850 KGFE 2 ND 805	0926 UnID 2 CBC station
1900 CBWFT 3 MB 930	0927 CKCK 2 SK 1020
1930 CKSA 2 SK (#301)	0930 KTVQ 2 MT 860
1958 UnID 2 CTV station	0959 KDIX 2 ND 770
2010 UnID 3 CBC station	1028 CKOS 3 SK 1040
2059 KRTV 3 MT 1040	Enjoyed watching Olympic
2119 KTVQ 2 MT 860	Games on ABC-TV & CBC-TV.

Good DX...

t Dyer, 5315 Silvertip Drive, San Antonio TX 78228 (CST) (07 July-06 August)
 Equipment: 1976 model Penncrest 9" b&w; Archer V-100 and 8-bay bowtie UHF array
 20 feet with rotor. New underlined, new mode, T=tentative logging.

MS 0355:45 WSB 2 GA 880	09 Es 1850 WSAZ 3 WV T1100	12 Es 2008 WTVJ 4 FL T1150
Es 0745 UnIDs 2	1859 WTWO 2 IN 935	2012 WPTV 5 FL T1150
0850 UnIDs 2-6	1914 KORK 3 NV 1050	2012 WPBT 2 FL T1150
0859 WJMN 3 MI 1280	1914 KVVU 5 NV T1040	2205 UnIDs 2
1159 KOTA 3 SD 1040	1915 KTVK 3 AZ 835	2225 KLNE 3 NE T785
1159 KDUH 4 NE T940	1915 XETV 6 BCNT1100	2225 WCCO 4 MN T1110
1228 WCBF 2 SC T1120	1929 KOAI 2 AZ 855	2225 WDAY 6 ND T1210
1228 WSAV 3 GA T1050	1930 KNBC 4 CA T1190	2345-50 UnID 2 nw
1259 WWAY 3 NC 1250	1930 KTLA 5 CA T1190	13 MS 0102:05 KWGN 2 CO810
1329 WSJK 2 TN 1010	1958 KNXT 2 CA 1190	0341:45 WLWT 5 OH1035
1600 KDKA 2 PA 1280	1958 XHBC 3 BCN 1010	Es 0840 UnIDs 2,3
1605 WTAE 4 PA T1280	1959 UnID 2 Spanish	0929 KDIX 2 ND 1215
1615 WJBK 2 MI 1225	2159 KORK 3 NV 1050	0929 KTWO 2 WY 1015
1636 UnID 6 Canada	2159 KOAI 2 AZ 855	0929 UnID 4
1858 WDTN 2 OH 1075	10 Es 1229 KNXT 2 CA 1190	1101 KTVQ 2 MT 1245
1858 WKYC 3 OH 1250	1232 KTVK 3 AZ T835	2020-30 UnIDs 2 nw
1858 WAVE 3 KY 945	left opening in prgs	2110-30 UnIDs 2 nw
1915 WLWC 4 OH T1135	1920-35 UnID 3	2300 UnID 2 brief
(now WCMH--de)	11 MS 0422:55 WSB 2 GA 880	14 Es 0800 UnIDs 2,3
1959 WSAZ 3 WV 1100	Es 0810 UnID 2 brief	0829 WTWO 2 IN 935
1959 WNGE 2 TN 820	1015 UnIDs 2,3 "	0859 WESH 2 FL 1055
2015 WOAY 4 WV T1150	1630 UnIDs 2,3	0959 KID 3 ID 1215
2058 KTVQ 2 MT 1245	1645 KTCA 2 MN T1110	0929 KTWO 2 WY 1015
2100 WBAY 2 WI 1190	1659 KTWO 2 WY 1015	1010 WEDU 3 FL T985
2113 KUTV 2 UT 1080	1735 UnID 6	1028 WPBT 2 FL T1150
2200 KTWO 2 WY 1015	1758 KDIX 2 ND 1225	1259 WPSX 3 PA 1370
08 Es 0845 UnIDs 2-4	1850 WCCO 4 MN T1110	1330 KTWO 2 WY 1015
0859 WCIA 3 IL 935	1859 WBAY 2 WI 1190	1424 KRMA 6 CO T810
0905 UnID 5	1859 WEDU 3 FL 985	1507 KDIX 2 ND 1225
0929 KTVS 3 CO 815	1859 WISC 3 WI 1065	1542 WESH 2 FL 1055
0940 KOA 4 CO T810	2134 KTWO 2 WY 1015	1545 WJXT 4 FL T1015
1051 KWGN 2 CO 810	2320 KID 3 ID T1215	1559 UnID 2 Spanish
1850 KNXT 2 CA 1190	12 Es 0845-55 UnIDs 2,3	1629 WCBF 2 SC 1120
1850 KNBC 4 CA T1190	1028 KTCA 2 MN 1110	1629 WCIV 4 SC T1120
1859 XHBC 3 BCN 1010	1045 UnID 2 Canada	1647 KUTV 2 UT 1080
1859 KEYT 3 CA T1270	1127 WDAF 4 MO T700	1800 KTVQ 2 MT 1245
2025 UnID 2 nw	1128 KDLO 3 SD 1070	15 MS 0338:15 WSB 2 GA 880
09 Es 0929 WBAY 2 WI 1190	1129 UnID 2 Spanish	Es 1035 UnID 2 brief
1100 KNXT 2 CA T1190	1206 KNOP 2 NE 815	1105-25 UnIDs 2-4
1110 KORK 3 NV T1050	1229 KTWO 2 WY 1015	1129 KDIX 2 ND 1225
1110 KNBC 4 CA T1190	1229 WBBM 2 IL 1045	1200 KOAI 2 AZ 855
1120 XETV 6 BCNT1100	1259 KTVQ 2 MT 1245	1200 KTWO 2 WY 1015
1120 KVVU 5 NV T1040	1628 WTWO 2 IN 935	1210 UnIDs 2-5
1125 KTLA 5 CA T1190	1634 WJBK 2 MI 1225	1300 UnID 2 se Spanish
1229 KDIX 2 ND 1225	1645 WWJ 4 MI T1225	1420 UnIDs 2-6
1629 WKYC 3 OH 1250	1659 WKYC 3 OH 1250	1500 Cuba 6
1629 WDTN 2 OH 1075	1759 WSJK 2 TN 1010	1529 WBAY 2 WI 1190
1635(WCMH) 4 OH T1135	1828 UnIDs 2-6	1530 WMAR 2 MD 1410
1659 KTWO 2 WY 1015	1908 WDBO 6 FL T1035	1859 WUND 2 NC 1360
1840 WOAY 4 WV T1150	1944 WEDU 3 FL T985	1943 WBAY 2 WI 1190

(due to certain slip-ups, the rest of Pat's report will appear next time--de)

****Now, two late reports from Dave Pomeroy & Bob Cooper. Their Es loggings aren't in the chart at the beginning of the column, so add one reporter on the following dates: June 13; July 05,06,07,09,10,11,12,13,15,16,17,21,23,24,25,26,27,28; August 01,02,05. Add two reporters on: July 14,18,19,20,31. Best MUF same except: July 12, reached 106.1; August 01, into FM. Now for those reports--de

Dave Pomeroy, 131 Woodlawn, Topeka KS 66606 (CDT) (13 June-10 August)

Equipment: Sony 12" b&w, rabbit ears; Zenith color, UHF outdoor antenna.

June 13 Es 1800 KUTV 2 UT Slt Lk Cy	July 28 Es 1800 WDSU 6 New Orleans
July 06 tr 2000 KHIN 36 IA Red Oak	1812 WLEB 3 MS Jackson
2100 K7ØEN Manhattan KAKE	1830 WKRG 5 AL Mobile
14 Es 1730 KTVK 3 Phoenix	31 Es 2100 WDIQ 2 AL Dozier
1730 KOAI 2 Flaggstaff	2100 WEDU 3 FL Tampa
1800 WEDU 3 FL Tampa	Aug 10 tr 2200 KOZK 21 MO Spgfld
18 Es 1800 KIVI 6 ID Napa	2200 KOLR 10 MO Spgfld
19 Es 2215 UnID 2 Spanish	2200 UnID 27 u/KTSB-prob.KMTC
28 Es 1730 KENW 3 NM Portales	2200 KHNE 29 NE Hastings
1800 WWL 4 New Orleans	2200 KDNL 30 St Louis
(let's hear from you more often, Dave--de)	2200 WICS 20 IL Spgfld

Bob Cooper, Jr., Rt 5, Box 782, Guthrie OK 73044 (CDT) (05 July-06 August)

The large 8 bay phased array (8 CM 1226 logs) on low band is working well, but the fixed NW direction has not been very cooperative, so the expected (or hoped for) number of new stations due to the array has been a disappointment. Unusual amount of 2Es into Canadian Maritimes from here; 6 meter (50 MHz) signals from that area very loud, lasting 5-7 hours at a whack, on several days. On peak day (7/14), did manage to snag two 2Es Canadians out of the impossible pileups. Others were there, but CCI 5-10 stations deep, with many same programming, makes identification a tad difficult! Some "minor" tropo ducting during July, also.

July 05 - 0910 (not open earlier) KCBJ-17 (MO), WAND-17 (IL), WICS-20 (IL), K8ØCL (AR), K74DH (AR-#662); 1710 t/in Es ch.2; 2058 KOAI-2 (AZ).

July 06 - 1805 t/in Es ssw into old Mexico. Strange TP ch.2, no ID readable; 1815 XHJMA-3 (ch.3 #67, station #663); 1847 Es MUF to ch.6, several tentatives and UnIDs thru 1910; Es back to ch.2 past 2145.

July 07 - 1745 t/in WBTU-3 (NC), WCBT-2 (SC), WWAY-3 (NC); 1802 MUF 98 MHz; 1859 WDIQ-2 (AL); 2125 t/in WPBT-2 (FL); 2200-2230 probable KTVU-2 & KCRA-3 (CA)

July 08 - 0920 t/in KDNL-30 (MO); 2015 t/in KCBJ-17 (MO), KTEJ-19 (AR-#664); 2230 KDNL-30 (MO).

July 09 - 0840 t/in WICS-20, WEEK-25 (IL), KDNL-30 (MO), KHNE-29 (NE), KCBJ-17 (MO), WMBD-31 (IL); 1715 t/in Wk ch.2 Es; 1821 t/in WBTU-3 (NC); 1858 KDNL-30 (MO) WWAY-3 (NC); 2200-2235 Es ch.2,3 west (CA probable).

July 10 - 1832-1930 Es Ch.2 west; 1900 KTVU-2 (CA).

July 11 - 1018 t/in Es ch.2; 1040 t/in WESH-2 (FL); 1758 t/in Es ch.2,3 ne; 1845 XHY-3 (Merida); 2000 CKCK-2 (SK); 2100 KCRA-3 (CA); 2130 t/in KTVN-2 (NV).

July 12 - 0650 t/in KCBJ-17 (MO), WAPT-16 (MS), KVUE-24, KTVV-36, KHTV-39 (TX); 0825 t/in KDOG-26, KIDZ-24 (TX), KTEJ-19 (AR), KHIN-36 (IA); 1830 t/in Es ne ch.2; 2000 t/in XHY-3 (Mex); 2129 MUF 106 to Maryland.

July 13 - 0700 t/in KCBJ-17 (MO), KVFD-21 (IA)-they will be leaving air soon-, KDNL-30 (MO); 1802 ch.2 Es in/out thru 2130.

July 14 - 1800 t/in Es to ch.4; very stable opening NE. 1828 WGBH-2 (MA-#665, ch.2 #67); 1840 KDNL-30 on L/S (MO); 1930 CBIT-2 (NS-2275mi.-2Es-ch.2 #68-station #666), CBHT-3 (NS-2175mi.-2Es-ch.3 #68-station #667), Es continued thru approx 2200, nothing exciting.

July 15 - 1755 t/in, Es MUF 106.5 MHz to central FL; 1900 WEDU-3 (FL), KYW-3 (PA). Es continued thru evening, switching to Arizona after 2030.

July 16 - 0815 t/in KCBJ-17 (MO); 1915 t/in wk. ch.2 Es, in out thru 2200; 2200 CKCO-2 (ON).

July 17 - 0030 t/in KDNL-30 (MO), WLKY-32 (KY-675mi), WHAS-11 (KY), WPRB-41 (KY); 0051 WFIE-14 (IN). These via thin duct thru high pressure ridge. 0840 t/in KTEJ-19 (AR), KCBJ-17 (MO); 0913 first sign of wk. ch.2 Es here. 1000 t/in heavy Es 2,3, ne, north; 1050 t/in MUF to 88.9 to ND, KDAL-3 (MN) and many others thru 5. 1150 t/in KHQ-6 (WA), CBWT-6 (MB-#668). At 1202 MUF briefly 107.9 to Spokane, but down by 1215 to under 94 MHz. 1228 KTVM-6 (MT); 1255 t/in KFBB-5 (MT-#669). 1315 KID-3 (ID); 1710 t/in Es 2,3, WWAY-3 (NC); 2050 t/in WTAR-3 (VA). (next page--de)

Cooper continued...

- 18 - 1015 t/in Es ch.2,3 ne; ditto 1315 t/in. 1330 WBTB-3 (NC), WCBT-2 (SC), WSJK-2 (TN). 1915 t/in Wk. 2,3 Es.
- 19 - 0105 t/in KETV-7 (NE); 0910 t/in wk. 2,3 Es; 1800 more ch.2 Es. 2135 t/in WUND-2 (NC), WTAR-3 (VA), WWAY-3 (NC); 2149 WFMY-2 & WBTB-3 (NC).
- 20 - 0436 WSB-2 (GA-ms); 0514 WCIV-4 (SC-ms) and WJBK-2 (MI-ms); 0635 KCBJ-17 (MO). 1357 t/in WMAR-2 (MD) Es, WBTB-3 (NC). 1740 t/in Es 2,3. 2110 t/in Es in several directions simultaneously, WCBT-2 (SC); 2207 WTAR-3 (VA). Had ch.3 SS (se) with immaculate sync and VTR production running 18th century setting movie. They kept inseting letter "A" lower left of screen, station was 3+. Commercials for products such as Revlon, Fiesta Chips, etc. Very strange. Es past 2300 here.
- 21 - 0718 Es ch.2 east. 0734 KDOG-26, KHTV-39, KIDZ-24, KVUE-24, KTVV-36 (TX). 1740 t/in wk ch.2 Es.
- 22 - 0830 KCBJ-17, KDNL-30 (MO)
- 23 - 0731 Es ch.2, non-US sync, but 2Es, direction se, suspect Trinidad and checking (2Es & 3000mi, if checks out); 0845 t/in WPBT-2. 1755 t/in wk ch.2 Es ne, Canada, possibly Maritimes on 2Es.
- 24 - 1115 t/in Es 2-4 se, e, and north. 1225 t/in KDIX-2 (ND), CKCK-2 (SK).
- A couple of notes here about earlier Es dates. 26-28 June period apparently ok for year. Some 50 MHz (ham) contacts included HI to CT, MI, etc. plus two 4 MHz openings over eastern USA (possible hi-band Es). July 8th had Es from Hawaii to western USA on 50 MHz, followed for Hawaiian hams by 2 hour opening 3Es to Japan. June 28-29 also produced "annual" 144 MHz tr opening from San Diego north to near Santa Barbara, SW to Hawaii. On Hawaii end, only stations over 8000 feet above sea level got into the duct, and on US side, only stations within 30 miles of Pacific and with clear shot over water got into it. Once again Hawaii-USA high band TV reception was possible. (We need a member there to watch for this extraordinary event, hi--de)
- 25 - 0940 t/in KDNL-30 (MO); 1500 t/in Es 2-3 ese; WEDU-3 (FL). 1510 WRBL-3 (GA), WESH-2 (FL); 2120 t/in Es 2,3 north. 2225 t/in CKPR-2 (ON).
- 26 - 0000 t/in CKCK-2; 0045 KDIX-2 (ND); 0100 KTVQ-2, KRTV-3 (MT). Es to ch.4 MUF weakly. 0126 KCRA-3, KTVU-2 (CA); 0150 KTVN-2 (NV). Es still going 0230 when I quit, wkly, west and ne. 0510 WCIV-4 (SC-ms). MS on ch.7 at 0537 had FS c/b with white two line super (ID?) below middle slightly. Any ideas anyone? (try Frank Aden--de) 0612 ch.7 MS has bullseye TP with a grey or black center; have seen this one numerous times, but never well enough for ID. Is this WLS-7? 0613 KCBJ-17 (MO); 0702 KDNL-30 (MO). 1855 t/in KTVB-2 on Es (ID). 2000 t/in KGFE-2 (ND). Es MUF to ch.6 by 2030.
- 27 - 0850 t/in ch.2 Es. Had to leave town until 30th.
- 30 - 0840 t/in KHNE-29 (NE), KHIN-36 (IA), and KDNL-30 (MO).
- 31 - 0930 t/in KDNL-30, KCBJ-17 (MO). 1720 t/in wk ch.2 Es ese.
- 01 - 0845 t/in WAPT-16 (MS); Ch.2 Es; KIDZ-24, KVUE-24, KTVV-36 (TX); 1115 t/in Es MUF past ch.6 and into FM. 2105 t/in KDNL-30, KCBJ-17 (MO).
- 02 - 0855 t/in Es 2,3; 1815 t/in ditto.
- 04 - 0800 t/in KCBJ-17 (MO).
- 05 - 0705 t/in WCBT-2 (SC) Es.
- 06 - 0815 t/in KDOG-26, KHTV-39 (TX), WMAV-18 (MS); 2130 t/in KDNL-30 (MO).

73, Bob

***Well, looks like it hasn't been a bad summer after all. I'm afraid Jim Pizzi's report with hi-band Es & 2Es FM won't appear until next time. Same goes for the remainder of Pat Dyer's report (15 July-06 August). Several other very late (or very early) reports will also be seen next time.

Anyway, I wasted the DX possibilities of most of July by being on vacation. While in California, I generally forget about DXing for a while. Can you vacation from your hobby? I did see KOAA-5 CO once, but that's about it.

Looking forward to fall tropo very much, hope to fill in all those gaps in my UHF totals. Gotta get a tower! 35 feet is not impressive, but it will net me a few, at least.

By the way, if you're a new member, don't hesitate to report! We welcome all reports, whether large or small.

73 & the Best of DX!


Doug

STATISTICS

Glenn Hauser, edi
WUOT, University of
232 C&E Buildi
Knoxville TN 379

102 & 103 MHZ FMDX RECORDS

MHz	Prop	Call	Location	Miles	DXer, Location
102.1	Es	KLYX	TX Houston	1415	Fred Nordquist, North Syracuse
	Tr	KLYX	TX Houston	980	Russ Brown, Saint Joseph MI
	MS	WRNL	VA Richmond	980	Bruce Elving, Duluth MN
102.3	Au	KPWD	TX Fort Worth	680	Andy Bolin, Charleston IL
	Es	WWSR	VT Saint Albans	1380	Fred MCGormack, Des Lacs ND
	Tr	KBIC	TX Alice	970	Mike Dalton, Clearwater FL
102.5	MS	WWSR	VT Saint Albans	695	Russ Brown, Saint Joseph MI
	Es	WTSP	FL Saint Petersburg	1415	Bruce Elving, Duluth MN
	Tr	WREN	NY Buffalo	1085	Richard Wood, Baton Rouge LA
102.7	MS	KQV	PA Pittsburgh	740	John Ebeling, Bloomington MN
	Au	WREN	NY Buffalo	740	John Ebeling, Bloomington MN
	Es	KTFM	TX San Antonio	1390	Peter Sawatzky, Waterloo ON
102.9	Tr	KTFM	TX San Antonio	970	Mike Dalton, Clearwater FL
	MS	KQYS	WA Richland	1015	Glenn Hauser, Albuquerque NM
	Au	KORD	WA Richland	850	Fred MCGormack, Des Lacs ND
103.1	Es	KPSE	CA San Diego	1345	Fred MCGormack, Des Lacs ND
	Tr	WHKY	NC Hickory	tie	Fred MCGormack, Des Lacs ND
	MS	KQUE	TX Houston	1095	Carlton Howington, Uniontown OH
103.3	Au	WRBL	GA Columbus	975	John Ebeling, Bloomington MN
	MS	WGGO	MN Minneapolis	460	Fred MCGormack, Des Lacs ND
	Es	KWXY	CA Cathedral City	1205	Glenn Hauser, Calgary AT
103.5	Tr	WZZW	GA Augusta	540	Ron LeBlanc, Marrero LA
	MS	KJAM	SD Madison	360	Fred MCGormack, Des Lacs ND
	Es	WESR	VA Tazley	1485	Fred MCGormack, Des Lacs ND
103.7	Tr	KREE	TX Nacogoches	975	Carlton Howington, Uniontown OH
	MS	WBTM	VA Danville	1015	Glenn Hauser, Enid OK
	Au	WYSL	NY Buffalo	540	Andy Bolin, Charleston IL
103.9	Es	KOA	CO Denver	1345	Robert Seybold, Dunkirk NY
	Tr	WSHE	FL Fort Lauderdale	1155	Glenn Hauser, Von Ormy TX
	MS	KOA	CO Denver	895	Andy Bolin, Charleston IL
103.9	Au	KOA	CO Denver	695	John Ebeling, Bloomington MN
	Es	WZSZ	VA Richmond	1425	Fred MCGormack, Des Lacs ND
	Tr	KRMH	TX San Marcos	940	Mike Dalton, Clearwater FL
103.9	MS	KVIL	TX Dallas	1165	Peter Sawatzky, Waterloo ON
	Au	KJAN	LA Atlantic	570	Fred MCGormack, Des Lacs ND
	Es	KGRD	NM Las Cruces	1265	Bruce Elving, Duluth MN
103.9	Tr	WCLD	MS Cleveland	620	Mike Dalton, Clearwater FL
	MS				
	Au				

Maybe there is something to the idea that some stations get out better than others; we keep seeing a single station taking two or three channel records, different propagations. Look at 103.5; but there's little chance anyone will ever hear KOA via tropo beyond 1155...

Northern FM-DX (continued from page 11)

September 1976

Date	Time	Call	Freq	Mode	Notes	
Fred Nordquist - 7945 Buxford Road - Clay, NY 13041 (EDT)						
7/16	Es	1810 KSJR	90.1	MN wx		
7/19	Es	1822 KUSD	89.7	SD talk wx(1035)		
		1833 KWYR	93.7	SD Ae nx		
		1846 WMLL	100.1	MN nx (970)		
		1849 KWWK	96.7	MN nx (810)		
7/20	Tr	1902 KCLS	93.9	SD rr		
		1928 KCHF	93.5	SD rr "Super CHF"		
		2259 WFAH	92.5	OH MoR nx (300)		
		2315 WKYS	93.5	DC disco "93-KYS"		
7/23	Es	1907 to 1922, 2332 to 2340		UNIDs		
7/27	Es	1824 to 2110 to LA		TX OK MS & tentative MEXICO.		
2Es	1842	KBS7	89.7	Mex SS ads rr	Mexico mentioned in ads(2100)	
7/27	Es	2036 KREB	95.9	OK Salisaw ID (1125)		
8/2	Es	2049 KPFT	90.1	TX Houston jazz(1410)		
		2052 KODA	99.1	TX "		
		2053 KBPO	94.1	TX Beaumont Jack Ross-wx (1335)		
8/13	MS	1720	MUF 108+	at tunein.		
		1721	KFMQ	101.9	NE FM102 (1050)	
		1722+	many	FL stations - unkn.		
		1739	WORLD	107.7	FL rr lcl ads(1040)	
8/14	AP*00%	1800	WOMA	94.9	FL Tallahassee ID(990)	
		2353	KECM	95.5	IA lcl ad, cw Sioux City mentioned - several bursts. (1020)	
8/14	AP*00%	WWHE	92.5	OH Toledo lcl ad.(385)		
Totals: 833						
*AP=Airplane flutter						

THE MARANTZ 125 FM TUNER

BY TONY WARD, VE3IAT

ng been a secret tuner freak for many years, I was delighted three years on being able to purchase a Marantz 110 tuner second-hand for \$150. I was what less delighted three months later when an errant lightning bolt red the first RF stage from service. However, it turned out to be a blessing in disguise, as the ensuing visit to the Marantz HQ service depot in onto uncovered a sympathetic technician who gave the tuner "the works"--a l realignment with considerable TLC (tender loving care). Back at the reo store at which I help out at times, the results showed up on the Sound hnology analyser: audio readable at 1.5 microvolts, 30 dB at 1.8 microts, 50 dB quieting by 5 microvolts! As with most good-name modern tuners, se were figures well in advance of published specifications. I was very ased, but not ecstatic. Carefully controlled A-B comparisons with (at dif- ent times) three AJ-15 tuners using the 10-element yagi at 50 feet split e feeding a Marantz 1060 integrated amplifier, showed the 110 more sensitive n the AJ-15, but lacking that superb tuner selectivity and open hi-fi sound s, I even listen to music occasionally). A Marantz 120 home from the shop s better, but not so much as to excuse the price differential.

ainst this backdrop, then, it was with some interest that I awaited the new eration Marantz 112, 125, and 150 tuners. A quick trip home to the hill th a 150 confirmed the belief that this might be the long-awaited super- ner. Careful perusal of the shop manuals, however, could show no difference all between the 125 (\$400 in Canada) and the 150 (\$700 in Canada) except e CRT monitor scope. Components were identical and layout variations so mir- r as to be irrelevant. I rang my friend at Marantz. "No difference at all," id he, although published specifications differed between the two. I bought e 125.

e biggest improvements are in selectivity and tonal balance. The second ality first--superb filtering of the 200 kHz passband gives a linear rese- nse, producing much greater clarity than my older tuner demonstrated. The per-sharp cutoff slope allows excellent adjacent channel selectivity with ternate channel in excess of 80 dB down. The 125 surpasses the McIntosh -78 with its variable selectivity at its tightest without sacrificing audio ality. The quieting curve is much steeper, although ultimate sensitivity little different. The greatest benefits show in the greatly improved lis- mability of stations in the 200-300 mile range--like WQED 89.3 in Pittsburgh, long-time 240 mile favorite in this house. WCLV 95.5 Cleveland emerges from e skirts of 25-mile-distant CKDS 95.3's 100 kw.

itimate sensitivity comes most useful in the UHF mode as I tune UHF audio at out 90 megacycles from the BTX-111 converter. The intermod that mixed up djacent weak stations (0.5 microvolts) on the educational band with the 110 s gone. I tune to channel and turn up the volume now. My best trop scatter est--WMBI 90.1 Chicago at 400 miles--is much more listenable than before.

o, in your search for the ultimate super-tuner, consider the Marantz 125 very arefully. At its price, it is a true bargain and a worthy representative of fine new generation of machines for your DXing delight.

TECHNICAL SPECIFICATIONS (Ratings by Marantz)

SENSITIVITY (DIN).....	1.5 microvolts
QUIETING SLOPE.....	1.4 microvolts for 30 dB; 5 for 56 dB
ULTIMATE QUIETING.....	73 dB at 100 microvolts
SELECTIVITY.....	Better than 80 dB (alternate channel)
CAPTURE RATIO.....	Better than 1.1 dB
AM SUPPRESSION.....	Better than 63 dB
TOTAL SPURIOUS REJECTION.....	} All better than 100 dB
IMAGE REJECTION.....	
I.F. REJECTION.....	
FEATURES.....	Provision for 4-channel; hi-blend; Dolby de-emphasis circuit; variable muting, 5, 20, or 100 microvolts.

136, Tony Ward

TV QSL CORNER

PAUL D. TRASKA
64 WEAVER AVENUE
BUFFALO, NY 14206

- CA KNBC ch 4 Los Angeles-3000 west alameda ave. Burbank CA 91523.L-James Brooks (?) 23 days. (PM) -pdt only 2nd qsl from ca-
 - CO KOAA ch 5 Pueblo-2226 television lane,81003.L-Kenneth Renfrow-CE, 6 days. (PM)
 - FL WTVJ ch 4 Miami-316 N miami ave.33128.L© of sta.log-Kenneth S. Litt ell,ADTO. 2 weeks (JJA)
 - GA WRFL ch 3 Columbus-columbus broadcasting company inc.p.o.box 270,31902. L-Lacy Worrell,DE. 2 weeks (JJA)
 - MT KYUS ch 3 Miles City-P.O.box 760,59301.L-David G. Rivenes,P.6 days (PM)
 - NE KDUH ch 4 Hay Springs-duhamel broadcasting enterprises.p.o.box 1760, Rapid City SD 57701,L-Daniel C. Lesmeister,CLM. 8 days (PM)
 - SD KDLO ch 3 Garden City-c/o KELO-11 Sioux Falls,57102.C-M Artus.ES 6 days (PM)
 - VT WCAX ch 3 Burlington-box 608,05401.L&M-Charles A. Liese,CE. 8 days w/ SASE. (SS)
- CANADA
- BC CHAN ch 8 Vancouver-box 4700,V6B 4A3.E.G. Rose,VPE. L-12 days. (PM)
 - NS CJCH chs 5 Halifax & 6 Caledonia-CJCH limited,2885 robie st.B3J 2Z4.L&S-Katherine Saunders (?) 1 month (PDT)
 - SK CKBI ch 5 Prince Albert-CKBI building,86V 3A5.L-F.F. Rawlinson. M. 9 days (SS)

VERY MUCH CONFUSED,or to put it like it is-SCREW UP STATION...

In December of 75,I wrote a letter to WLBZ-TV to a tentative reception that I thought was WLBZ seen by meter-scatter (which I still think it is) but there was no reply (I sent a post-card for reply) March 76 I decided to write them again (why-because they would be my 38th state) but there was a reply this time. (a stamp was enclosed) **** It was the first week of July 76, I again decided to write them for the last time (with this letter a SASE also enclosed) With in a week, would you believe they answered-I could'nt, and I was right, they did'nt. Well they did write, but with no confirmation. In the three letters I sent, I wanted to know if they used a Grating Test Pattern on a specific date. In the envelope (my envelope sent back)...

Enclosed were a 1976 schedule, and a QSL card; NO DATE, NO SIGNATURE and best of all NO LETTER. I should fill in the card, date it 1999 & sign I M I C K E Y M O U S E, but I won't do that. To get that card is like lookin for a 1904 postage stamp on your mail.. (I should date it some day ?) A wo to the wise: if you recieve this so-call'ed station, be sure to give all details, and make sure you send a SASE, but also keep your fingers crossed!

WLBZ-TV

CHANNEL - 2
54.60 MHz
51 KW ERP VISUAL

BANGOR, MAINE
04401

DATE _____

Confirming Your Reception On _____

Chief Engineer: _____

TNX. OM ES 73'S

CONTRIBUTOR'S: Jim J. Alexander, Parsippany NJ. -JJA-
Patrick Martin, Portland OR. -PM-
Scott Sampson, Orion IL. -SS-

73'S *Paul*

MQSL CORNER

Thomas J. Yingling, Jr.
221 Pinewood Road
Baltimore, MD 21222

Deadline: 15th of month

muda ZFB 94.9 Hamilton, Capital Broadcasting Co. Ltd. P. O. Box 652, letter, & card from Marlene Butterfield, dir of public relations. TJY

WKES 101.5 St. Petersburg, letter from CE, Mark Williams says happy dx'ing! TJY

WRMF 98.3 Titusville, letter from Alan Sterger, CE told of there dx'ing DJ TJY

KICT 95.1 Wichita, friendly letter & map from "proud Country Radio" from Larry Steckline, manager KFRM-KICT, reply in 2 months DR

WCOD 106.1 Hyannis, Jon Frank, CE says "In all my years answering DXers letters I have never confirmed as rare a reception as yours." BRE

WWEL 107.9 Medford-Boston, Christopher J. Hall, CE qsls both main channel & sca reception, coverage maps & qsl sheet enclosed BRE

WIMI 99.7 Ironwood, Robert M. Knutson, vp & gen manager verifies reception on equip. test on new station. "We are pleasantly surprized! All of our studies did not show us getting in Duluth at all." BRE

WTHM 103.1 Lapeer, Save Somerville sends brief note "Glad to hear our little Jkw erp fm has reach." BRE

WNMR 90.1 Stephen W. J. Dupras, station manager says "Wow...that's the only word to describe my reaction to your letter...with only 320 watts from antenna 37 feet below average terrain." now are 100kw erp BRE

WDBI 101.7 Tawas City, Mark DeBeau, program dir claims Duluth to be greatest distance heard to date. BRE

N KABG 105.5 Cambridge, Don Wilson, First Baptist Church verifies my reception of a Swedish-language remote broadcast, and sends a newspaper feature section on a Swedish festival. Anybody gets anything against third qsl's BRE

KAQH 94.9 Duluth, Nick Dakins sends qsl of new local BRE

WSCD 92.9 Duluth, Dick Daly types brief qsl. BRE

Y WIOK 98.3 Hempstead, letter from Richard Silvera, CE says "yours is the most distant report to date on WIOK." TJY

C WCSE 98.3 Asheboro send a notarized copy of my report as verification of reception! Call stands for "Carolina Stereo Entertainer." Also send letter of qsl. DR

K KCFO 98.5 Tulsa, hand wrote letter telling of call letter change from KBJE, letter and map from Frank Christel, CE TJY

KRAV 96.5 Tulsa, letter from Ken Scott, pro dir says "I personally feel you have a quite a fascination hobby & wish you much luck in the future." TJY

A WQED 89.3 Pittsburg, letter from John Somers, station manager says seemed interested in distant reports. DR

TX KULM 98.3 Columbus, returned my own report form signed & rubber stamped qsl. TJY

KERA 90.1 Dallas, letter & copy of program schedule from W.A.McCutcheon, CE TJY

KPJH 94.5 Ft. Stockton, Jim Hawkins, pres. happily confirms reports & sends a Chamber of Commerce info on the town. BRE

KWGO 99.5 Lubbock, Kyle Wealy verifies this long-delinquent stations saying "Man oh man, do you know how to make a guy's day." BRE

KBAT 93.1 Midland, Dick Rowland, station manager says "This is the most distant report we have received to date." BRE

WV WXIL 95.1 Parkersburg, send back my own report form, with verification, and a decal for window, no signer, just the 'Famous 95' TJY

WI WGBW 91.5 Green Bay, Annabelle L. Hitchcock, manager verifies promising a new program schedule in Oct. 1975, which never came! BRE

WTTN 94.1 Watertown, Mark Timpany verifies reception of this station, after previously hearing it on 104.7 BRE

Well, another big report this time from Bruce F. Elving, which is BRE, but should be BFE, DR is Dave Rogers of Buffalo, OK, and TJY is me. I got more that came to late for this VUD. Dave Rogers is using a Eico HPT-90, and a Panasonic AM-FM clock radio. I think Bruce Elving has a Fisher, and I have a Pioneer TX. If anybody needs an address for a station, write to me. The address in this column is stopped for a while due to the number of stations beeing reported. I must say that the Chicago Convention was great, and I was glad to be there. good dx,

Tom

CONVENTION '77: WFFDA is now accepting bids for our '77 convention site. If you're interested in hosting next year's gathering, please drop a line to Clarke Ingram (address on back cover), stating proposed site & dates. Also include, if possible, a paragraph on probable activities, and detailed information on available transportation. Whether or not you have submitted a bid previous to this notice, you must do so now to be considered eligible. Bidding for the 1977 WFFDA Convention will close on December 31, 1976. -CWI

WORLDWIDE TV-FM DX ASSOCIATION



Established 1967

SERVING THE
VHF-UHF DX
ENTHUSIAST

DUES: USA and Canada, \$11 (via first class); overseas, \$18 (via air mail).

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