

From The STAFF

W.T.F.D.A. Headquarters, P.O. Box 97, Calumet City, IL 60409

WTFDA CONVENTION...As this is being prepared, it's almost time for the 1982 WTFDA Convention. Word has it that a good turnout will be there, and we hope to have a report on the activities in an upcoming VUD. If you couldn't be there this year, there's always next year. For the 1983 WTFDA Convention, we'd like to hear from members interested in hosting the gettogether. Would you like to host WTFDA Convention 1983? Let us know. We can tell you what it takes to host our convention. If you are seriously interested, drop us a line. If we receive more than one bid, we'll have a membership vote. Next month, we'll have details on how to submit a bid and word on the closing deadline, plus word of any early bids.

THANKS, RALPH...We know that NORTHERN FM DX editor Ralph Strobel must be very tired right now; he just completed nineteen pages of DX reports for his column. This is a record for the recent history of the club, and one that we don't want to see broken. Seriously, that's more to expect from your column editors--PLEASE help us out by making your reports more concise and try to limit your comments during the busy DX months. We do not limit space for DX reports in the VUD; that's our policy. However, large VUDs can end up costing the club lots of money, so try to remember to be brief when you can. In the meantime, we especially like to hear from new members and first time reporters. This is your club--why not contribute by checking in with your DXing results from time to time.

LONG HAUL UHF...Recently, Jim Pizzi in New Mexico has been finding out what it's like to live on the western end of one of the best long-haul tropo slots on the North American continent. What might be regarded as the "Sunbelt tropo path" extends from the edge of the Rockies in eastern New Mexico to the southern tip of Florida. On June 6th and 7th, Jim caught 1100 mile UHF ducting to Atlanta. What's next? When the season's right again, we're betting that many alltime DX records will be set by Jim; and Florida-to-New Mexico ducting is possible!

VOLUNTEER UPDATE...We've heard from a few members willing to take over the club positions that we mentioned in the last few issues. Many thanks to those who are offering to help. More word on this will be in the next VUD.

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MAILBOX

John Zondlo
1308 SW 74th, Apt. 421
Oklahoma City, OK 73159
(405) 681-5991
Deadline: 5th

New Members:

Michael Florek	458 W. Rodney French Blvd.	New Bedford, MA 02744
Gord Lansdell	156 W. 18th St.	N. Vancouver, BC V7M 1W4
George Mileon	14 Border St.	Lynn, MA 01905
Clifford Rames	5724 Grant St., Apt. N	Hollywood, FL 33021
David Raudenbush	RD 4, Box 404	Pine Grove, PA 17963
Patrick Rudolph	382 Allen Drive	Wadsworth, OH 44281

Renewals:

Earl Albin, Richard N. Allen, Gerald Barkow, John Basehore, Murray Bernstein, Bill Coleman, David Curvin, Mike DeRoo, Mike DeWan, Patrick Durkin, Jr., John Ebeling, Jim Gill, Lawrence Glass, Robert Goodman, Christopher Hanley, Robert Heckenlively, James Herkimer, Jim Jennings, William Johnson, James Kingsbury, Paul Kinnaly, Jr., Jim Korn, Rolland Lindblade, Tom Little, Nick Lombardi, Alan Michalek, Randy Miltier, Y. Noffsinger, Rod O'Connor, Ronald Furdue, Daniel Sampson, Pete Skinner, Dr. James Snow, Steven Sprachman, James Stiles, Harry Teufel, Alphonse Tobia, Roger Winsor, Jeff Wolf, Tracy Wood, Robert Zent.

Rejoin:

Richard Troyer-13130 Wooster St. NW-Massillon, OH 44646

Address Changes:

Saul Chernos-79 Ridge Drive-Toronto, ON M4T 1B6
Ronald Green-1603 Campbell-Building 3, Apt. 11-Joplin, MO 64801
David Legler-128 E. Magnetic St.-Marquette, MI 49855
Frank Luman-5056 E. Hinsdale Place-Littleton, CO 80122
Lee Prescott-1902 E. Washington, #53-Harlingen, TX 78550
Rich Turcsany-37 Windsor Place-Fairfield, CT 06430
Don Voegelé-137 Colton Place-San Jose, CA 95110
Richard E. Wood-4337 Shaw-St. Louis, MO 63110

Renewals Due in September:

Howard Bartlett, Mike Bugaj, John Clemmer, Doug Dornbos, James Filler, Richard Gagnon, Jim Gould, Glenn Hauser, A. Lazarus, Kurt Nelson, Richard Prelinger, Robert Ross, Edward Sirovy, John Walters, Larry Weil, David Wilson.

Leading off the new members this month is GEORGE MILEON. He writes, "Your TV Atlas listed a GW Electronics as a source for TV equipment. Do not buy anything from this guy, in that he has never delivered on an order made last February, 1981, nor has he made a refund. I presently have the postal inspectors and bank authorities in Indiana checking into this guy. In early January I received a test pattern on my TV of a WSTG. No channel number was on the pattern, but according to my TV it should have been channel 62. Does anyone in your association know anything about this station? I have not see the pattern since. My antenna was facing west from Lynn in order to get the best reception of this station, a picture which was very good indeed. Is anyone interested in FM quad info? WBCN in Boston was broadcasting in quad some time ago, and may be doing so again in the near future, if I read my information from Technics correctly. There are about 15 FM quad receivers in WBCN's storeroom. I was supposed to get one to listen to the test broadcasting thanks to the efforts of DB magazine. The testing went as scheduled, but the station engineer balked at giving me one of the quad receivers. Is subscription TV an area of interest to you as well as MDS broadcasting?" Welcome to the club, George. The answer to the last question, incidentally, is yes.

Next up is CLIFFORD RAMES, who is associate director of R&D at the University of Miami School of Medicine. Here's his DX gear: Sears color receiver, Rayson UHF preamp (Perfoxmer II), Radio Shack 15-623 indoor UHF antenna, homebuilt 13 element yagi antenna tuned to channel 34, homebuilt indoor double-rhombic UHF antenna (rotatable). He writes, "I have been DXing for about 8 months, mostly UHF. I have logged all S. Florida

(continued on page 58)

QSL CORNER

TV-OSL

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

- AL WTVY 4 Dothan, P. O. Box 1089, 36302. Just only send Me the coverage-map & the Southern Alabama TV-Guide edition in 9 days. Purdue
- DE WDPB 64 Seaford, P. O. Box 864, 19973. Letter from J. Christopher Farlow, VP & GM, reply in 29 days. Holbrook
- IL WFLD 32 Chicago, 300 N. State St, 60610. Just send only the coverage-map & program schedule in 7 days. Purdue
- IA KTTN 21 Ft. Dodge, % P. O. Box 1758, DesMoines, 50321. Letter & coverage-map from Rosemary Hoover, Admin. Asst. Eng. in 6 days. Purdue
- LA WBRZ 2 Baton Rouge, 1650 Highland Rd, 70802. Card, no signer. Reese
- KTBS 3 Shreveport, P. O. Box 44227, 71104. Card from D. Hendrichs, CE Reese
- MT KTVQ 2 Billings, Box 2557, 59103. Letter from J. R. Middleton, CE in 10 days. Durkin
- NJ WWAC 53 Atlantic City, 530 Atlantic Ave, 08404. Letter after follow-up from Daniel J. Merlo, CE. Holbrook
- WRBV 65 Vineland, P. O. Box 2300, 08360. Send back prepared card after follow-up, signer was Carmen Coluski. Holbrook
- OH WBTI 64 Cincinnati, 5177 Fishwick Dr, 45216. Letter from J. P. Foley, ce in 60 days, and also send a promo package to me. Ross
- WHIZ 18 Zanesville, Lind Arcade Bldg., 43701. Letter from C. E. Hartmeyer, CE in 35 days. Ross
- WUAB 43 Cleveland, 8443 Day Dr., 44129. Letter from Harry Sykora in 2 weeks, with full data on tower & transmitter. Ross
- PA WVIA 44 Scranton % The Public Broadcasting Center, Pittston, 18640. Letter from George B. Seymour, Dir. of Eng. in 6 days. Holbrook
- SD KDLO 3 Garden City % Phillips at 13th, Sioux Falls, 57102. OSL Card from Norge Artes (?) (from my QSL the name is Marge Artus, Engr. Secy. ed) Reply back in 2 months. Reese
- WV WTRF 7 Wheeling, 96-16th St. Send QSL Card in 4 months, full data 2 colour card with no signer. Ross
- WI W55AP 55 Memononie, 800 Broadway St, 54751. Letter received in 6 days from James Kissinger, Reg. Rep. Translator is in River Falls, WI (what station does they relay? ed) Purdue
- WVTV 18 Milwaukee, P. O. Box 1818, 53201. Letter back in 4 days from John Kalpus, CE. Also send a copy of their coverage-map & schedule. Purdue
- WAOW 9 Wausau, 1908 Grand Ave., 54401. Letter & coverage-map of Wisconsin TV Network, ADI fact sheet, & schedule from Chandler Campbell, Asst. Eng in 5 days. Purdue
- WY KTWO 2 Casper, 4200 E. 2nd St. Card from Steve Broomell, CE in 3 months. Durkin

Reporters this time are: Purdue, Holbrook, Reese, Ross. And the QSL Card below is from Reese; I think! No name on it, in my to use items folder. This brings up a good point. When you send in copies, please have notes on paper to explain the qsl if possible, like address, name of signer, & etc. as the above items are typed in order. ALSO: I am running very, very low on TV QSL items to use, and have only 3 items left to do of TV as of this typing, and have plenty FM QSL to do. So, please get on the ball & report to TV's! 73's for now.

**CONFIRMATION
OF YOUR
DX RECEPTION
OF WCIX-TV**

- TRANSMITTER LOCATION: 4 MILES NORTH OF HOMESTEAD, FLA.
- NORTH LATITUDE: 25°32'24"
- WEST LONGITUDE: 80°28'07"
- INDEPENDENT-ALL COLOR
- 79.4 KW-EFFECTIVE RADIATED POWER (VERTICAL & HORIZONTAL)
- ANTENNA HEIGHT: 1448 FT. AMSL
- ANTENNA: CIRCULAR POLARIZED
- STUDIO AND OFFICES: 1111 BRICKELL AVE. MIAMI, FLORIDA 33131
- 33: A TRANSLATOR-59.9 KW EFFECTIVE RADIATED POWER

633

May 26, 1981
DATE OF RECEPTION

This card is a token of appreciation from Coral Television Corp. for information regarding your reception of WCIX-TV, Miami.

June 1, 1981
DATE

Joseph H. Bennett CE
ENGINEERING DEPT.

TV NEWS

Bill Fahber
336 Atlantic St.
Bridgeton, NJ, 08302

CH	ERP	HAAT	CITY/STATE/APPLICANT
21	3622	1849	Florence, SC; Southern Metro Telesystems, Inc.
28	4404	827	Panama City, FL; Kenneth B. Darby et al.
64	1000	1063	Kalamazoo, MI; Channel 64, Inc.
52	820	340	Oklahoma City, OK; Satellite Broadcasting Company
NOTE: On construction permit modifications I will attempt as of this month to indicate with an asterisk (*) which CP's refer to stations already on the air.			
APPLICATIONS TO MODIFY CONSTRUCTION PERMITS			
52	5000	1385	Cocoa, FL; WTGL
20	5000	1482	Fort Myers, FL; WBBH-TV
26	99.3	2110	Honolulu, HI; KSHO
42	1288	2807	Concord, CA; KFCB
30	1321	988	Fort Myers, FL; WSFP-TV
12	316	1403	Pembina, ND; KWBA
16	1140	1150	Dayton, OH; WPTD
20	2239	1201	* Waterbury, CT; WTKK; TL to Peach Orchard Road, Naugatuck
65	93.1	422	Beattyville, KY; Hour of Harvest
35	3548	1096	Marshall, TX; Holt-Robinson of Texas, Inc.; TL to State Highway 300; 1.9 miles east of East Mt.
CONSTRUCTION PERMIT MODIFICATIONS GRANTED			
24	?	?	San Juan, PR; WSJN-TV; change TL to 0.4 mile northeast of Luis Santalla
30	89.1	610	Meridian, MS; WLBW-TV; TL 0.8 mile south of Meridian
15	536	1143	Centralia, WA; KCKA
67	1429	288	* Canton, OH; WOAC
40	3390	880	Talahassee, FL; WTMC
26	99.3	2110	Honolulu, HI; KSHO
14	1500	1285	Hays, KS; KSMH-TV
APPLICATIONS TO CHANGE EXISTING FACILITIES			
11	135	1280	Louisville, KY; WHAS-TV
68	2667	1455	Newark, NJ; WHRT; TL to 350 Fifth Street, New York City
67	2483	714	Smithtown, NY; WSNL-TV; TL to 0.62 mile southwest of intersection of Rocky Point Road and Miller Place Road, Middle Island
32	1236	820	Montgomery, AL; WKAB-TV
31	2240	2220	Hartford, VT; WNEE
CHANGES IN EXISTING FACILITIES GRANTED BY FCC			
20	2239	1200	Waterbury, CT; WTX (temporary)
14	1412	4188	Albuquerque, NM; KGSW
61	2218	974	Chattanooga, TN; WRIP
43	1548	523	York, PA; WSBA-TV
2	100	1930	Houston, TX; KPRC-TV; TL to 0.55 mile south of Rte. 2234; 1.15 mile east of Missouri City Line
48	1170	1900	Huntsville, AL; WAFB
7	55.6	1688	Chicago, IL; WLS-TV; began 6/2
Late News: WNUV, ch. 54, Baltimore, MD, began transmitting 7/1/82 with scrambled programming. They began test patterns on 6/29/82.			
APPLICATIONS FOR NEW BROADCAST STATIONS			
59	562	1853	Sanger, CA; Sanger Telecasters
53	2037	1014	Fort Walton Beach, FL; Fort Walton Beach Broadc'g Corp.
15	191	697	Wichita, KS; Kansas Public Telecommunications Service Inc.
30	76.4	447	Shawnee, OK; Canadian Valley Television, Inc.
8	158	1000	Johnstown, PA; Johnstown Television Company, Inc.
61	1291	1035	Houston, TX; Houston Family Television, Inc.
18	1288	539	Wichita Falls, TX; Thornberry Television, Ltd.
21	1148	1973	Lynchburg, VA; Lynchburg Television Associates, Ltd.
40	4.21	2807	Fajardo, PR; Ana G. Mendez Educational Foundation
14	28.2	313	Jacksonville, FL; West Central Illinois Educational Telecommunications Corporation
22	24.1	519	Macomb, IL; West Central Illinois Educational Telecommunications Corporation
52	105	1020	Ithaca, NY; Ithaca TV Associ's
14	5000	1093	Houston, TX; Texas Educational Network, Inc.
61	316	1167	Houston, TX; Deborah A. Richard
61	5000	1145	Houston, TX; SMJ Telev. Co.
61	2618	1398	Houston, TX; Patricia B. Steele
61	5000	1957	Houston, TX; Urban Broadcasting Systems
59	656	224	Fresno, CA; West Coast Communications Group, Inc.
14	5000	1944	Houston, TX; Amervision Corp.
31	582	1055	Fort Worth, TX; Educational Television of the Southwest, Inc
15	8.13	1100	Christiansted, VI; Telarwah Communications Company
22	.526	104	Mayaguez, PR; Alvarez & Escabi (ERP may be wrong, as aural is 0.48 kv, and should be about 10% to 20% of ERPvis.)
64	91	411	Naranjito, PR; Art Broadcasting Corporation
APPLICATIONS DISMISSED BY THE FCC			
*			Huntsville, AL; ch. 54; C. Michael Norton
*			Riverside, CA; ch. 62; Riverside Telecasters, Inc.
*			Kalamazoo, MI; ch. 64; West Michigan Family Communications, Inc.
*			Oklahoma City, OK; ch. 52; TV 52 Broadc'g.
*			Manchester, NH; ch. 50; Channel 50, Inc.
*			Austin, TX; ch. 42; Pappas Telecasting
CONSTRUCTION PERMITS GRANTED BY THE FCC			
65	18.6	422	Beattyville, KY; Hour of Harvest, Inc.
10	24.1	447	Thief River Falls, MN; Olmstead Enterprises, Inc.
59	1197	1456	Lebanon, PA; The Great Lebanon County Telecasting Corporation

CALL LETTER APPLICATIONS: NEW STATIONS
C.L. CH CITY/STATE/APPLICANT
 WLJC-TV 65 Beattyville, KY; Hour of Harvest
 KEHB-TV 26 El Paso, TX; Paso Del Norte Bc'g
 KKAQ-TV 10 Thief River Falls, MN; Olmstead Enterprises, Inc.
 WKAF 62 Syracuse, NY; The Great Onondaga County Telecasting Corporation
 WGGF 59 Lebanon, PA; The Great Lebanon County Telecasting Corporation
 WSMF 21 Florence, SC; Southern Metro Telesystems, Inc.
 KHCT 3 Glenwood Springs, CO; Western Slope Communications, Limited.

CALL LETTER APPLICATIONS: CHANGE EXISTING
 WZXO 55 Springfield, IL; WBHW
 KSNC 2 Great Bend, KS; KCKT
 KOOD 14 Hays, KS; KSMH-TV
 KSNT 27 Topeka, KS; KTSB
 KSNW 3 Wichita, KS; KARD-TV
 KNAT 23 Albuquerque, NM; KLKK-TV

CALL LETTERS ASSIGNED: NEW STATIONS
 WBSP 51 Ocala, FL; Big Sun Television
 KIDY 6 San Angelo, TX; Sage Broadc'g
 KVNJ-TV 15 Fargo, ND; Fargo Broadc'g Co.
 WDLZ 39 Miami, FL; 39 Broadcasting Co.
 KBSI 23 Cape Girardeau, MO; Cape Girardeau Family Television, Inc.
 WLCN 19 Madisonville, KY; Life Anew Ministries, Inc.
 WNEH 38 Greenwood, SC; South Carolina ETV Commission

CALL LETTERS ASSIGNED: CHANGE EXISTING
 WHRS-TV 42 West Palm Beach, FL; WWPF
 WNEV-TV 7 Boston, MA; WNAC-TV (5/22/82)
 WCPX-TV 6 Orlando, FL; WDOB-TV
 KGMB 9 Honolulu, HI; KGMB-TV
 WMOD 43 Melbourne, FL; WKNA

SUBSCRIPTION TELEVISION HAPPENINGS:

The recent trend toward deregulation had finally hit at STV regulations. The FCC deleted its complement-of-four rule, one of the rules holding up WBFF-TV, ch. 45 in Baltimore, from becoming STV. The rule requiring at least 28 hours on non-subscription programming per week was also dropped. Also dropped was the rule requiring that decoders be leased and not sold. These regulations were originally adopted with the intent on protecting conventional television, but it has since been found that protection was unnecessary, and that the STV regulations had actually hindered the growth of UHF television.

ABC Television Network has been planning a "Home View Network" which would provide scrambled programming to owned-and-operated stations as well as affiliates on a nationwide basis. The FCC has granted STV approval to all five ABC-owned stations, all of which are on channel 7: KABC in Los Angeles; KGO-TV in San Francisco; WLS-TV in Chicago; WXYZ-TV in Detroit, and WABC-TV in New York City. STV approval for Home View Network was also granted to ABC affiliates.

CONSOLIDATED HEARINGS

● Lakeland, Florida; ch. 32; Lakeland Telecasters, Inc.; Plaza Broadcasting, Inc.; Figgie Communications, Inc.; Mid-Florida Telecasters, Inc.; Public Interest Corporation, Inc.; Channel 32, Inc.; Manning Telecasting, Inc. Mid-Florida, meanwhile, is having problems with its proposed tower location; It seems that 2107 residents of Lake County, Florida signed a petition against the TL. Also opposed are several city mayors, city councils, and many other private individuals and families. They are all questioning the impact on the quality of human environment, detracting from the natural beauty (lakes, hills, orange groves, etc.), zoning and planning complications, and many other issues.

● Akron, Ohio; channel 55; Ebony Blackstar Broadcasting Corporation; Rhema Television Corporation; Akron Telecasting, Inc.; Ohio Telecasting, Inc. Owners of WAKR-TV, ch. 23 in Akron, are protesting OTI out of fear of competition, hinging on the argument that OTI's proposed TL is midway between Akron and Cleveland, putting the question as to which community it wishes to serve. OTI proposes STV as a source of income.

RESULTS OF CONSOLIDATED HEARINGS:

● Des Moines, Iowa; channel 17; all applicants withdrew their applications except The Independent Broadcasting Corporation, which was granted a construction permit.
 ● Wilmington, North Carolina; channel 29; FCC dismissed application by Cape Fear Television, Inc. and granted CP to Wilmington Telecasters, Inc.

OTHER FCC ACTIONS:

● FCC waived its rules restricting use of TV aural subcarriers to permit WILL-TV, Urbana-Champaign, Illinois to transmit programming on its subcarrier, but deferred action on a similar request by WTTV in Indianapolis, IN.
 ● The FCC granted action to four Charleston, SC television stations to move their transmitters to a common site 15 miles northeast of Charleston.

STATIONS ON THE AIR:

● WKOI, ch. 43, Richmond, Indiana; 2296.2 kv ERPvis.; 987' HAAT (1903' above sea level); TL at Route 73, Collinsville; began 5/11/82; address: Trinity Broadcasting of Indiana, Box 1075, Richmond, Indiana, 47374.
 ● WTLW, ch. 44, Lima, Ohio; 904.9 kv ERP; 677' HAAT; 1532' above sea level; TL at studio, 1844 Baty Road, Lima; began 6/13/82; address: American Christian Television Services, 1844 Baty Road, Lima, Ohio, 45807

STATION OFF THE AIR:

● WWAC-TV, ch. 53, after almost one full year of broadcasting in Atlantic City, NJ, on 6/21/82 at 7:00 p.m. EDT. Financial problems.

NETWORK CHANGES:

Effective 9/11/82, WSAV-TV, ch. 3 in Savannah, Georgia will become ABC (now NBC); WJCL, channel 22 in Savannah will change from ABC to NBC.

TELETEXT STATIONS:

KIRO-TV, ch. 7 in Seattle, Washington, is experimenting with CEEFAX. WGBH-TV, channel 2, and WGBX-TV, channel 44, both in Boston, Mass., will experiment with ANTIPOPE.

Also, on the night of 6/21/82, I noticed WAAT in Wildwood, New Jersey, which doesn't have a direct link with NBC, but rather relays KYW-TV in Philadelphia instead during network programming, relaying WNBC in New York that night. During the network programming, teletext signals of some type were being transmitted on lines 15 and 16 of both fields. So apparently WNBC, channel 4 in New York, has been using teletext. Can somebody confirm this and provide more information?

FORUM:

Leslie Price reports that construction of WWAY's tower in Wilmington, North Carolina is under way, and expected to be used on August 2, 1982. The tower is 5 miles southwest of Winnebow, North Carolina. He also included a clipping from a newspaper's legal notices, which I didn't think anybody ever read. It's a public notice stating that ABC filed an application with the FCC requesting a limited STV authorization to provide subscription programming over WWAY for three hours between the hours of 2:00 and 6:00 a.m. Eastern time. The hours on which nationwide hours are proposed are 2:00 to 6:00 a.m. Pacific and Eastern times, and 1:00 to 5:00 a.m. Central and Mountain times.

A clipping sent in from Bill Thompson from the 3/20/82 Buffalo News giving detail on the consolidated hearing on channel 49 in Buffalo, which was mentioned in last month's column. The FCC granted the application of Bison City Television 49, and dismissed the application by Unific Broadcasting Company because of lack of financial qualification. Unific was constantly changing its financial proposals, claiming credit which it didn't have, and hoping for a loan deal which fell through. The article gives some insight into the process of a consolidated hearing. An administrative law judge determines such things as financial ability to construct a station (also environmental impact, hazard potential to air navigation, multiple ownership of other stations, etc. which were not factors here and not mentioned in the article.) and makes a decision. The decision is then recommended to the Commissioners and subject to approval by them.

Another clipping sent in from Bill is from the 5/5/82 Buffalo Courier-Express, mentioning that the Western New York Public Broadcasting Association, owner of WNED-TV, channel 17 in Buffalo, filed an application for channel 23 in the same city (see the 6/6 column). This is in response to an earlier application by Commonwealth Foundation for Public Broadcasting (see 5/82 VUD). WNED-TV proposes 66 hours of broadcasting over ch. 23 to start, later building up to 115 hours. The article quotes a Portland, Oregon paper which questions why Commonwealth Foundation, a Massachusetts foundation, would want to

apply for stations in other states (Portland, OR; San Antonio, TX; Washington, DC). Apparently there are presently nublic television stations owned or operated by a licensee from outside that (the station's) state.

Leslie Price has been keeping a close eye on KTMA and WFBT. KTMA hopes to be on the air by 9/1/82, and WFBT plans for 10/1/82.

From Paul Swearingen, this article in the Iola, Kansas Register, 6/10/82. The Kansas State Network is building a translator tower 2½ miles southwest of Moran, Kansas, to re-broadcast KTVJ, ch. 16, Joplin, MO, owned by KSN, and educational station KTWU, Topeka. The KTWU signal from the translator is planned to be picked up by another future translator in Independence, MO, hopefully without the use of a translator relay midway, which would cost an extra \$50,000.

From Tom Yingling, several articles. One mentioning the elimination of FCC rules for STV, which were discussed earlier. Another article tells about the latest in television receivers, manufactured by Suwa Seiko Co. That's right! Seiko, the company that makes wrist watches. This is a 1.2 inch television using a liquid crystal instead of a picture tube, on a wristband; this device also has FM radio, tells time, date, and has an alarm! It's only a third of an inch thick, has headphones to go with it. It will be on the market early next year. Another clipping sent in from Tom describes the plans of Christian Enterprises, Inc. for eight LPTV stations and six translators to cover large areas of Virginia and the Carolinas with the National Christian Network. Although written later than 3/12/82, it expresses the hopeful atmosphere prevalent about LPTV before the freeze. It will be interesting to see how many, if any, ever come to pass. (Especially the proposed LPTV on the nonexistent channel 37, in Sumter, South Carolina.)

Bill Draeb confirms that WKOI, ch. 43 in Richmond, Indiana, is on the air, and says they have religious programming.

And now it's time for me to once again pick on WDPB, that whatever-it-is on channel 64 in Seaford, Delaware. If you don't think it's a translator, you should see it pick up WBFT in Richmond when WHYI signs off. And another thought: WHYI is now broadcasting traditional commercial advertisements as one of ten PBS stations taking part in the alternate-funding experiment. Is WDPB, as a licensed broadcast station and not part of this project, illegally broadcasting these same commercials simultaneously with WHYI?

As if bankruptcy isn't enough of a problem for WRBV-TV, ch. 65 in Vineland, NJ, more problems are arising. For one, this question was brought up: Does a municipal zoning board have jurisdiction over state property? The Appeals court says yes, and WRBV, which was granted a tower in the state pinelands, must now get municipal approval or take it down.

And the state is creating more problems for WRBV. It wants to cancel the lease on that tower. Time will tell if WRBV survives or goes off the air for good. Along with WWAC, it may fall victim to the UHF handicap.

NORTHERN FM-DX

Ralph Strobel, editor
2300 E. McCalliard Rd.
Muncie, Indiana 47303
Deadline: the 5th

NORTHERN FM DX

Frank Merrill cont'd:

AUGUST 1982

AUGUST 1982

For FM DXers in Canada, the Northwest-Central states of WA OR ID MT WY ND SD NE MN IA MO and states east of the Mississippi River and north of the Mason-Dixon Line.

E-skip was quite prominent during the month of June. Many openings which were seen on TV didn't make it to the FM band, while others made a brief appearance into FM. Even so, there have been some fine E-skip days for everyone to enjoy up here in the north. June was a cooler month than usual with low humidity. This caused a rather poorly tropo situation. Now to the reports and many days of typing.

Frank Merrill - P. O. Box 7207 - Toledo, OH 43615
EDT - Phone (419) 866-8589

Hi! Hope that ALL of you are reading this while listening to a great 750 mile Tr logging or something, or that at least the DX season was a great one for you! This will see print near the end of the DX season. Therefore, my use of the past tense here, though this is being typed only on June 13 at 1 in the morning. Early indications are that this could be a banner FM skip season, as there were three different days with Es either on FM or Channel 6 in May, something I have NEVER noticed before! I am doing very little traveling during June and July, and am leaving almost absolute flexibility in my schedule, so that THIS time, when the all day Es "barnburner" comes. I can listen to it! I have been DX'ing FM for seventeen years (as of June 10, which I celebrated by getting a nice Au logging), and I have yet to encounter one of those day long Es openings (MUF to 107.9+ for six to ten hours in one day), and have unobstructed use of good equipment to DX with! Last June 25 was the closest I've come to that, but the skip was at 107.9 for less than one hour total and there was a guy from England here buying records from me and I had to ferry him back and forth. Now that I've "freed myself up" 90% of the time, my luck will mean that the "barnburner" will come on the June 26 weekend (when I'm at the GWDXA Convention in Kent, Ohio), or while I'm on STATEN ISLAND! We'll just wait and see. Another thing that portends a great season is that I already have 25 new this season (total now unofficially 1245), as compared to 8 at this time last year! And only 8 of these 25 can be attributed to nearby stations that weren't on last year. Because of the severe lateness of most of this DX, I will still list my new stations from last year, but in summary form only, without the informational details that I usually list:

6/5 81 Es KTCU 88.7 and KCBI 89.3 TX 2300, also KWJS 94.9.
6/6 81 tr CFMY 103.1 ON (I guess I heard this just in time), 0836
6/8 81 Es TV Es was to CO; had KUNCT 91.5, KSUT 91.3 around 0300!! Ouch!!
6/17 81 tr WUNC 91.5 NC, WBAG 93.9, WEZS 103.7 evening, 450-500 mi. tough path.
6/18 81 tr WBDC 100.9 IN, WAKU 103.1 KY, WUSO 89.1 OH, WFNE 100.1 GA (625 miles, my furthest class A tr, fighting WQXE KY), WKEZ 95.7 VA (540 miles) over night. Much later, WABD 107.9 KY 2311.
Es WDNA 88.9 FL (per phone call to them), WERS 90.7 FL. FL relogs 2000-2100.
6/19 81 tr WLRH 89.3, WDJC 93.7, WAPI 94.5 all 0030-0246 all AL to 600 miles.
6/20 81 Es KRVS 88.1 LA, KNTU 88.5 TX, KLIO 92.1 LA, KTRY 94.5 LA, KIXS 93.3, KSMB 94.5, KRLG 98.1 all late afternoon.
6/23 81 Es MUF briefly to 90.5 at 2002. Probably CBHA NS.
6/24 81 Es WCKX 95.7 FL 1256, NOTHING else noted on FM, but mucho TV Kicks-96.
6/25 81 Es KZOR 94.1 NM 1056; then the opening faded. But DID it come back...
KOKL 94.3 OK KEBE 94.7 OK KWEY 97.3 OK all on car radio. Then I got home:
KADY 105.1 CO, KCLS 99.7 OK, KPPL 107.5 CO, KACV 89.9 TX, KINF 91.9 KS, KOGA 92.7 NE, KNEK 96.7 KS, KANZ 91.1 KS, KTSC 89.5 CO, KFKZ 96.1 CO, KUIN 92.7 UT, (NEW STATE), KQSW 96.5 WY, KQUY 95.5 MT (1460 miles), KKOZ 97.1 MT, WKLY 93.7 TX (What's this doing in here?), KYBS 97.5 MT, KYFZ 96.1 ND, KOPR 94.1 MT (1460), CKUA-3 97.3 AT (1520, and NEW PROVINCE!)
KAAK 98.9 MT (1420), KCGM 95.7 MT, KMMR 100.1 MT CKUA-2 99.3 (1600!! My furthest Es of ANY kind, ever on FM or TV), AT, KIZZ 93.7 ND, CJGL 94.1 SA, CBKF-4 91.9 SA (lookie where that one is! 1500 miles?), all between 2154 and 2232. KXKE BLASTING IN!!!
6/26 81 Es KSUC 88.3 TX, KRKX 104.9 OK, KMCK 105.7 AR, KCMW 90.9 MO (550), KLJC 88.5 MO (600), KSPI 93.9 OK, KEZO 92.3 NE (640) and probable 94.1, 90.7, and 91.5 from Omaha also. KNEW 94.7 NE, KRGI 96.5 NE, KIXX 96.1 SD, KLUM 88.9 MO (only 510 miles, previously Tr), KSJM 93.3, KBRK 94.3, probable KDLO 96.9, KRWN 93.1, KROA 95.7 all 1230 to 1403! Fastest moving opening ever noted here, and one of the closest! Moved from TX to SA in 2 hours!

- Continued -

7/4 81 Es KGNZ 88.1, KNFM 92.3, KBAT 93.3, all TX around 1100.
7/5 81 Tr WAOP 100.9 MI new "pest" noted running all night.
Es KJAK 92.7 TX, KTEZ 101.1 TX, KLEA 101.7 NM (hi Jim), KQIP 96.9 TX, KATK 92.1 (calls?) NM, KWMJ 103.3 TX (hard to ID), KTZA 92.9 NM, KZOR 94.1, WSLY 99.3 AL (another strange misplaced one; how did this get here?), KOKX 100.3 TX, XHTO 104.3 MX, XHGU 105.9 MX (no ID but "F.M. Siempre Rey;" heard good ID on XHTO), both 1420 miles, KENW 89.5 NM, KNIT 95.3 NM, KFTX 88.1 TX, KTEP 88.5 TX (1420), all between 1918 and 2140. MUF was never above 103.3 during this opening.
7/6 81 Tr WGBZ 95.9 PA 0019 (WHPD was going off nightly for awhile! Normally NSP, which resumed quickly after this, in fact).
7/8 81 Es WGMQ 92.1 FL, WAFG 90.3 FL, WUMH 94.3 FL, WVHG 92.1 FL, WPRK 91.5 FL, WQLM 92.7 FL, WSGL 97.7 FL. (No ID or anything else of discernable local nature noted! But I count it. Why? Because I called them up and talked to the woman announcing and she was shocked about where I was and she said she'd ID after the next hillbilly song. At the time for the impromptu ID it faded out, but a few seconds later it faded back and she was talking about a guy from Toledo who had just called); WINK 96.9 FL (on car radio), WMNF 88.5 FL all from 1600-1733 fadeout. Actually, the opening was working across the gulf, because from 2132 to 2215: KVER 92.1 TX, KGOL 107.3 TX, KOYE 94.9 TX, KVLV 107.9 TX, KKKK 99.1 TX, KPHJ 94.3 TX; TX relogs. 7/9 81 Es WNYJ 94.3 FL relog 1100.
Tr WTMH 98.9, KSAF 96.1, WOI 90.1, KUNI 90.9 around 2200.
7/10 81 Tr KVNO 90.7, 0158 NE, ID'ed just in time as I was losing it! 3kw/640 miles!
WYMS 88.9 messed up my WRRGT 88.9 at same time. WGLU 92.1 PA (using quasi-obscene "Glue-92" slogan. YUCK!!), 0441, WVPH 90.9 WV 0600 s/on.
7/11 81 Tr KFUC 99.1 MO 0117 completes St. Louis commercial band for me; WKYQ 93.3.
7/14 81 Tr WRRG 88.9 IL 0328 (10 watts and 2.15 miles)
8/14 81 Tr WBBT 103.9 IN 2331, Reds baseball, exceedingly tough one due to WKKE/WDJX, as well as (of course), local WLEN!
8/15 81 Tr WNST 106.3 WV all night, k
8/19 81 Tr KIGD 107.7 IA (620), KESD 88.3 SD (720, previously by Es), KRWS 91.7 MN relog, and virtually NOTHING else unusual noted on either FM or TV at 0100.
8/20 81 MS KESD 88.3 SD 0103 while heard on Tr! Now by Es, Tr, MS!
8/26 81 Tr KESD 88.3 SD again! around 0100 (and again, not much else...)
8/26 81 Tr CKAT 101.9 ON (500), CHNO 105.3 ON both running all night.
8/27 81 Tr WSYR 94.5 NY 0224. Then I really cleaned up by taking full advantage of a good situation! Local WKLR 99.9 was off for 2 1/2 days for extensive remodeling, in connection with also changing to their new modern k format.
8/31 81 GW WVAF 99.9 WV 0014, CJFI 99.9 ON (Testing with open carrier. I got ahold of the engineer and he threw an ID on for me!!)
9/1 81 GW CBCS 99.9 ON (CJFI not testing today). (Canadian oil talks at 1733 // to 95.1 and Channel 9), WTHI 99.9 IN at 1933.
9/2 81 Tr WJVL 99.9 WI 0044 taped nice ID; never expected to hear this one. Guess I'm lucky there wasn't Tr during these 2 1/2 days or else WVUD, WBYG, or one of the others could've been overbearing.
11/3 81 Tr WTCM 103.5 MI thru WNUZ on portable radio; WNEK 100.9 OH late PM.
5/11 82 Es XHAAA 93.1 MX relog 1604. (What a way to start the 1982 Es season!), as well as WEMB 89.3, WPMI 93.1 and CCI on WGLE 90.7 later.
5/15 82 GW 2008 WSWR 100.1 Shelby-Willard, end of nx, promo, WKLR off.
5/17 82 GW 0711 WGLE 90.7 OH, Lima wx, ID, (repeats WGTE 91.3 100%)
5/24 82 Tr 0017 WNUZ 107.1 OH Belpre, ID, ads, NOTED OFF: WIOT 104.7.
GW 0130 W221?? 92.1 OH Archbold, WPOS translator. (I stopped by WPOS the other day and the Chief doesn't know their calls!) (#41 92.1) DRAT! A good frequency bites the dust...for Tr anyway;
1321 WOBC 91.5 OH Oberlin, now here, ID.
Es 2215 KIVY 92.7 TX Crockett, Overstreet Tru-Value in Crockett; KEXX relog.
2220 KKED 90.3 TX Corpus Christi, re: Channel 16 auction.
6/1 82 Tr 2357 WUAL 91.5 AL Tuscaloosa, ID noted after jazz, (640 miles)
6/2 82 Tr 0106 WBYN 89.7 TN Chattanooga, (475), 0106 end nx, s/off just after WOSU had gone off! But briefly o/WOSU earlier.
0141 WJXQ 106.1 noted OFF!! Odd for a Wednesday, so I pointed the antenna west to try for badly wanted WMIL and heard...
0142 WQGO 106.1 MD Cumberland, off the BACK! Tons of ID's, etc. Thought this was possibly pointing to a super Tr opening into Washington/Baltimore but absolutely nothing else unusual from that direction noted! WJXQ back on by 0300. WUOT 91.9 TN Knoxville
GW 2300 WRDL 88.9 OH Ashland, ID, formerly 89.5 w/low. Now 3000 watts

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6/3 82 Tr 1731 WKHR 88.3 OH Bainbridge, weak ID, taped. Heard better ID at 1733, but tape not rolling. Cannot explain why this one got past WBWC, but you don't hear me complaining, do you?
1830 WVIN 88.3 IN Evansville, ID after All Things Considered. 320 miles to transmitter site, and many tries since then seem to show that this is a weak REGULAR. This would be my furthest "regular" ever, edging out WJJC 89.1 (300) back in the good days of 1980 when 89.1 was clearer, and WEKU 88.9 (290).

6/5 82 Es 1901 KGCH 93.1 MT Sidney, "CH-93" and Williston, Sidney temps. NSP
6/7 82 Tr 0100 WWVY 104.9 IN Columbus, ID, nx, (WLSR lately off nightly, normally/
Es 1735 WUSB 90.1 NY Stony Brook, L.I., "Here on "USB," r, (570)
1748 WKGL 92.7 NY Middletown, local nx, Ford ad, (490)
1845 WFSU 91.5 FL Tallahassee, nx re: Tallahassee annexation
1938 WCKW 92.3 LA LaPlace, 93° in River Parishes, LaPlace phone #.
1946 WPUL 91.5 LA New Orleans, "The jazz show on WTUL New Orleans."
1949 WBSN 89.1 LA New Orleans, "I knew this wouldn't last, so I immediately called them up and asked, "Are you playing this?" They were! (Female comedy), 250 watts, my weakest Es??
2015 KJEF 92.7 LA Jennings, ID, Town Crier, promo by Happy Fats!
2018 unID 88.3 ?? Noted with tone test!

6/8 82 Es 1022-1045 many North TX relogs or tentatives to 100.3.
Tr 2308 CBEF 103.1 ON Leamington, (CBEF-1), CBC FF //99.3.
2313 WVEN 99.3 PA Franklin, "WFRA information time 11:13" (WFRA is their AM station, I've tried for this hundreds of times!

6/10 82 Au 0150-0207 WILL 90.9 (prior Tr), WSSR 91.9 (prior Tr), 88.5 c, probably WAMU, 89.3 g, 89.3 j, 89.9 j, 91.9 r, 90.9 c, coming in best from the NE! Then the NW started showing some promise for Au DX as well, and by 0230 the best Au DX was from the NW with only minimal signal from the NE!
0301 WRAF 90.9 GA Toccoa Falls, ID, time check, g (I guess I really had no other way of hearing this one because it is a very tough Tr direction to Toccoa, and WGUC runs NSP. WAMU 88.5 (previous Tr), WMBW 88.9, 93.1 r thru WDRQ! 91.5 g also around then. All faded by 0415 or so with WMBW the last to disappear.

6/12 82 Au 2040 KUMR 88.5 MO Rolla, (prior Tr, heard no ID but I called Ralph on this and he was getting the same k by Tr/GW!)

I had thought that Au DX was always strongest from the due north, but I guess that isn't so, because during the 6/10 Au DX the signals started to fade if I pointed due north! Now I even hear that Au DX can be gotten from E-W or even from SE or SW. It was either Andy Bolin telling me last September, or somebody reporting to FM North, telling me that one Au opening was best from the E and W! I also realized that Georgia is the second state that I've heard by ALL modes of propagation (MS-WDEN 105.3, Es-WMTM 93.9, Tr plenty), SD is the other one (KIOV 104.7 MS, and KESD hogs Tr/Au/Es, plus plenty of other Es from there).

One last note:

I can only EMPHASIZE Ralph's recent warning that your FM/stereo/TV gear should be well hidden (or taken elsewhere!) when you go out of town. Last September when I went to Montreal, I came back to find all of mine STOLEN except for the TV(!), and I think that they left the TV because I have a profuse amount of ducting tape on it to keep the antenna connections from pulling off - the purpose of the tape is to keep the pre-amp power supply lifted up instead of pulling on the connections with its weight, and the thief apparently thought the cabinet was CRACKED and therefore not sellable! It is still not always possible for me to dismantle my equipment and take it somewhere else, though, but I now TRY to do so. Luckily, I was able to replace my speakers, my amplifier, my cassette tape deck, my turntable and my McIntosh MR-78 tuner ALL cheaper than what I paid the first time! All DX between late Sept. 1981 and pre-May 24, 1982 (which wasn't much, hi), was with my GE Super Radio portable, or my ancient vintage 1965 KLE-18 tuner on which I heard all my Michigan DX during the mid and late 60's, as well as virtually all my Toledo DX up to 1979! One final word regarding the burglary - I'm glad they left the TV set - because that would have been by FAR the most difficult thing to replace! I'm using a Zenith 13" color set, and it IS hot for DX and very selective. I doubt that ANY replacement TV could be as good. That's it (hope there's lots of SKIP tomorrow). 73!

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6/7 Es 1736 WCFR 93.5 VT Springfield, p\$
1738 WKXA 98.9 ME Brunswick, k
1753 WOKO 92.7 ME Norway, k
1754 WCOM 94.9 NH Mount Washington, nx
1821 WDEA 95.7 ME Ellsworth
1838 WVAW 100.1 ME Auburn, ads
1850 WCOU 93.9 ME Lewiston, p, ex-k?
6/8 tr 0917 WPCD 88.7 IL Champaign, p, "88-Rock"
0925 WNDU 92.9 IN South Bend, "U-93"
0930 WBYG 99.9 IL Kankakee, Trading Post
0933 WTHQ 101.5 IN South Bend, r, ex-WWJY
6/9 tr 0009 WSAJ 102.3 IN Logansport, b
(New symbol b - Big Band mx)

6/14 ms? 1000 WCBU 89.9 IL Peoria
"...was killed in Peoria..."

Hello everyone! Well, we are deep into another Es season and my bad luck continues-- I choke when it comes to skip. I always wind up with those stupid non-ID stations or an NPR concert with no ID for a LONG time or an m station with no interruptions (they mean ID's, hi!) for 58 minutes on WDMR-Dentist Music Radio (hi!). Seriously folks, these stations are a BIG problem for DX'ers. While I was typing this, I found a huge envelope from WCFR in Springfield, VT. Inside was the nicest verie letter I have ever received from Joe Randolph, music director, who was on the air when I logged them! "Every now and then we receive a letter like yours, and we have to smile.... Your report of distance listening is the farthest in recent memory." He also sent a list of the top songs, coverage maps, and promo stickers. Thank you, WCFR! Let's all tell Dr. Elving that b should stand for big band mx! Hi! Log is now at 268.

73's and great (not good) DX, Dave

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Mike Ehrhardt - 13515 Broadway, Lot 98 - Alden, NY 14004

Equipment: Kenwood KR-5030, stacked Winegard antennas w/rotor at 30 feet.

6/7 Es 1531 WPCS 89.3 FL Pensacola, ID
1607 WKJA 92.1 NC Belhaven, "92-KJA"
1622 KFXE 92.3 AR Pine Bluff
1628 WLWY 92.3 AL Montgomery, ID
1640 WQUE 93.3 LA New Orleans, "QUE"
1641 WKSJ 94.9 AL Mobile, ID
1652 WAFB 98.1 LA Baton Rouge, ID
1655 WQNZ 95.1 MS Natchez, "95-Country"
1700 KRRV 100.3 LA Alexandria, ID
1700 WPCV 97.5 FL Winter Haven, ID
1701 WXLV 96.3 MS Jackson, "The best country in the city is WXLV Jackson"
1702 WVTH 89.5 MS Goodman, ID
1703 WLIN 95.5 MS Jackson, ID
1715 WNOE 101.1 LA New Orleans, k, ID
1724 KSSN 95.7 AR Little Rock, k, ID,
Accu-track wx

1738 KEPT 96.5 LA Shreveport, ID
1800 WONO 89.9 LA New Orleans, ID
1812 KZZE 95.1 TX Beaumont, ID, "B-95"
1830 WWOZ 90.7 LA New Orleans, ID
1845 WBYU 95.7 LA New Orleans, ID, "FM-96"
1848 WDDM 101.3 SC Sumter, ID
1859 KSRK 96.5 TX Houston, ID, "97-Rock"
(New Underlined)

Absolutely fantastic Es openings on 6/7 & 6/8. Seems that 6/7 was much more intense as all signals were 4+ or more on S-meter. Some stations were coming over Canadians. I feel sorry for Dave Nieman. He missed most of 6/7 because he was at work. I kept him informed by calling him. Not much tropo to report. On 6/7 I heard ZEM-FM Hamilton, but didn't get a good enough ID. If this is any hint of things to come, it should be a good Es season.

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6/15 tr 0151 WFRN 104.7 IN Elkhart, g or m
6/15 Es 1700 unIDs
1731 KEAN 105.1 TX Abeline, ads, \$
1744 KBUF 97.3 KS Garden City
1746 KKKK 99.1 TX Odessa, ads
1755 KRQY 88.9 CO Pueblo, new calls
1806 KLMR 93.3 CO Lamar
6/15 tr 2140 WJCD 93.7 IN Seymour, p\$
2206 WVVU 91.7 OH Cincinnati, j
6/17 Es 1940 KYGO 98.5 CO Denver, \$
1942 KOSI 101.1 CO Denver, m\$
2017 KAWY 94.5 WY Casper, \$
2025 KTAJ 93.9 WY Riverton, \$, ex-93.5
2046 KIQZ 92.7 WY Rawlins, \$
2135 KOCW 88.1 WY Riverton, poor

73's and great (not good) DX, Dave

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6/7 Es 1913 KYND 92.5 TX Pasadena, ID, "Kind-92"
1930 KYKS 105.1 TX Lufkin, ID
1933 KIKK 95.7 TX Houston, ID, "Kick-96"
"The Houston Tradition"
1936 WTAW 92.1 TX College Station, ID
1943 KAYD 97.5 TX Beaumont, ID
1956 KQXY 94.1 TX Beaumont, ID
2005 KPFT 90.1 TX Houston, ID
2010 KLIL 92.1 LA Moreauville, ID
2032 KRVS 88.1 LA Lafayette, ID, "88-FM"
6/8 Es 1138 WUWF 88.1 FL Pensacola, ID
1147 WPCS 89.3 FL Pensacola, ID
1352 KAFM 92.5 TX Dallas, ID
1359 KJON 92.1 AR Booneville, ID, nx
1400 KKEG 92.1 AR Fayetteville, ID
1406 KZIG 89.9 AR Cave City, ID, nx
1408 KLPQ 94.1 AR Little Rock, ID, "Q-94"
1450 KWLS 93.1 KS Pratt, ID
1505 KXCV 90.5 MO Maryville, ID
1507 KSCS 96.3 TX Ft. Worth, ID
1600 KQAA 94.9 SD Aberdeen, ID, "KQ-95"

6/14 Es 0902 WMFE 90.7 FL Orlando, ID
0907 WQLM 92.7 FL Punta Gorda, ID

Absolutely fantastic Es openings on 6/7 & 6/8. Seems that 6/7 was much more intense as all signals were 4+ or more on S-meter. Some stations were coming over Canadians. I feel sorry for Dave Nieman. He missed most of 6/7 because he was at work. I kept him informed by calling him. Not much tropo to report. On 6/7 I heard ZEM-FM Hamilton, but didn't get a good enough ID. If this is any hint of things to come, it should be a good Es season.

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Dr. Bruce Elving - 4515 Avenue "E" - Kearney, NE 68847

Skip May 16 between 1930 and 2101 CDT: KQEZ 103.9 Coolidge AZ, KFMG 107.9 Albuquerque NM, KPRI 106.5 San Diego, KPFX *90.7 Los Angeles appealing for funds; this was my first southern CA reception in over two years of DXing from here. From NV: KNPR *89.5 Las Vegas, KOMP 92.3 Las Vegas, KILA 95.5 Henderson (apparently no longer in stereo, as heard twice in two years mono only), and K221AR Hawthorne NV 92.1. I am assuming it is K221AR, as I heard a complete ID from KKBC 97.3 Carson City, and K221AR is their only known translator on 92.1, with both stations coming in, with 92.1 the stronger. I now know translators skip out!

May 23 I logged KCKS 95.3 Concordia KS and KTLX *91.9 Columbus NE, now believed to have upped its wattage to 100. WCRH *90.5 Williamsport MD in stereo May 24 1800. Late afternoon and early evening skip on June 6: KNKN 101.3 Sinton (giving legal id with Taft and Corpus Christi), KKED "classical" *90.3 Corpus Christi, KNCR *91.5 Phoenix, KODK 92.7 stereo Kingsville TX, KVMV 96.9 now stereo g, McAllen TX, KVLV 107.9 (no "K-Valley," but with references to "The Valley") Edinburg TX, KBIC, k, 102.3 Alice TX, KSOX-FM 101.7 mono Raymondville TX, rather poor audio. Then KDUV 100.3 Brownsville TX, \$, easy listening, and two of my finest, because I heard and taped them at 7 1/2 i.p.s. with rare full legal IDs in Spanish, surrounded by English announcing: XETRA-FM 91.3 Baja California, Mexico (following an ad for 7-11 stores), and, in an English-language jazz show on "FM-92.5," a pause for this (in Spanish): XHFM Tijuana, Baja California, Mexico. Both were received at 2055 to 2100, so Mexican FM stations must give their legal ids with call letters on or near the top of the hour, as U.S. stations do.

Skip June 7 brought WEOL *89.9 Elkton MD, \$, g; WJRZ Manahawkin NJ 100.1, speaking of "Jersey Shore," not to be confused with the PA town of that name; WSN1 104.5 Philadelphia, WDAC 94.5 Lancaster PA, WKSL 94.3 Greencastle-Waynesboro, mono g; WKNC *88.1 Raleigh NC; WLXN 94.1 now \$, g, Lexington NC; WULK-FM Asbury Park NJ 94.3, WRUR *88.5 Rochester NY, giving complete address in connection with "Community Calendar," and WHYC *88.5 Swan Quarter NC, mono. A new station KXNP 103.5 North Platte NE came on the air June 9 with \$, satellite k. Received on new frequencies: KZMC McCook NE 105.3 from 103.1; KMCS Ogallala NE on 106.5, from 93.5 Most of this DX is on my Kearney FM DX cassette for \$2.75. Regards, Bruce

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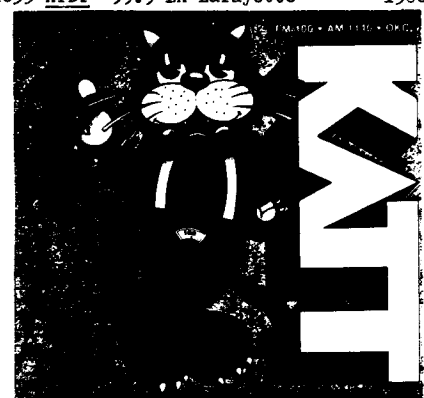
Saul Chernos - 79 Ridge Dr. - Toronto, ON M4T-1B6

Table with columns for date, call letters, frequency, location, and other details. Includes entries for 5/16 Es (from Toronto), 5/18 tr, 5/19 tr, 5/29 tr, 5/30 tr, 5/31 tr, 6/1 ms, 6/28 ms.

- Continued -

Table with columns for date, call letters, frequency, location, and other details. Includes entries for 6/3 Es, 6/4 ms, 6/7 Au, 6/7 Es, 6/7 WYUQ, 6/7 WKYD, 6/7 WQEZ, 6/7 KMBQ, 6/7 WKSJ, 6/7 WREZ, 6/7 WFEK, 6/7 WAFB, 6/7 WQMV, 6/7 WKBM, 6/7 WQEN, 6/7 WKYV, 6/7 WRUF, 6/7 WCGQ, 6/7 WFMF, 6/7 WNOE, 6/7 WMBW, 6/7 WACR, 6/7 WATY, 6/7 WQXY, 6/7 WZEB, 6/7 WREB, 6/7 WJDO, 6/7 WQID, 6/7 WRPM, 6/7 WQVE, 6/7 WRNO, 6/7 WAIL, 6/7 WXLV, 6/7 WNSL, 6/7 WKIR, 6/7 KTIJ, 6/7 KFMV, 6/7 WEMD, 6/7 WDRM, 6/7 WZZK, 6/7 WHOD, 6/7 WHAJ, 6/7 WYAK, 6/7 WSHG, 6/7 WJSK, 6/7 WFWX, 6/7 WQMB, 6/7 WYNA, 6/7 WWIN, 6/7 WJMI, 6/7 WYAK, 6/7 WSHG, 6/7 WJMS, 6/7 WQED, 6/7 WQWZ, 6/7 WQNZ, 6/7 WBSY, 6/7 WSKR, 6/7 WNGC, 6/7 WPLR, 6/7 KYKZ.

Table with columns for date, call letters, frequency, location, and other details. Includes entries for 6/7 Es, 6/7 KETR, 6/7 WNO, 6/7 WNO, 6/7 WNO, 6/7 KWER, 6/7 KTDY, 6/7 KATT, 6/7 WBSJ, 6/7 WRR, 6/7 KXXI, 6/7 WPCS, 6/7 WQAF, 6/7 KZZB, 6/7 KCPO, 6/7 WCKV, 6/7 KVCL, 6/7 KLRE, 6/7 WJYR, 6/7 WQMT, 6/7 WBAM, 6/7 WNFN, 6/7 WJAD, 6/7 WKTZ, 6/7 WQXI, 6/7 WOKK, 6/7 WSB, 6/8 Es, 6/8 KCND, 6/8 KKWB, 6/8 KHBT, 6/8 KQVE, 6/8 KQAD, 6/8 KYYY, 6/8 KXGR, 6/8 UNID, 6/8 KLOH, 6/8 WCAT, 6/8 KPMP, 6/8 KQCR, 6/12 ms, 6/12 KIOV, 6/12 Au, 6/12 UNID.



June 1-6 was slow E-wise on FM. The June 7 opening featured 80 IDs, a record for me, and 55 new loggings, also a record. In this opening, all DX was the routine stuff although I now seem to be making more of the stuff on the low power FM freqs. Also, I was pleasantly surprised to hear an announcer on 104.5 give a local ad and

- Continued -

then a mailing address for "Bluefield." It was in well and there was no state mentioned in the address. This is my shortest FM Es ever. Also, Bluefield is only in WV and not in any of the other target states I was getting. It is also in the southernmost part of the state. I am more or less north of it. The Es of 6/8 was nice in that I rarely get that area. ND was a new state, and IA has only been received on Au and ms. I even got two Ontario TV-2's in that opening. As of 6/12, no more FM Es. Maybe last nights aurora will spur on a start. It can do that. It just needs a little help. Who do we sacrifice to the Es Gods next? Total FM in Burnt River now 548.

James J. Stiles - CFAO/NAFK - Box SU/LR ADP - FPO Seattle, WA 98770
Receiver - Realistic STA-720; Antenna - Grove Scanner Beam; All from Okinawa, Japan

Table with columns for date, frequency, location, and program type. Includes entries for 5/27 Es 1200-1230 and 5/28 Es 107.1 Hwangji, Korea.

Identification of stations is relatively simple due to the few number of stations on each FM channel in this part of the world. However, strong interference is provided between 97-102 MHz due to local Okinawa TV stations on those frequencies.

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

Table with columns for date, frequency, location, and program type. Includes entries for 6/6 Es (From Prosit, MN Cabin) and 6/26 Es.

For June, this has not been a "bang up" Es season so far. For example, June 6th I was at my cabin and had the TV set on Ch. 2 all day - dead! Even CB was dead. All of a sudden, late in the afternoon, skip opened up on TV within five minutes and quickly reached FM. Wasn't good skip, but it started from Arizona and wound up in New Hampshire. You can see stations logged on the Prosit list. Funny thing, WEVO 89.1 Concord, NH last one logged that day (thanks to fund raising drive and frequent call letters) and two days later I logged them here in Bloomington. New station at both sites.

Es June 7th was spotty; signals were far from the rock solid skip I can recall from the early 60's. They were in and out quite rapidly. The 8th was more solid, but still somewhat spotty. The 10th was a real short opening - in and out in one hour. Had a little the evening of the 13th, no ID's on FM, but TV was active.

- Continued -

Had spanish on 94.1 with what sounded like "est is EC???" All I can decipher from the tape. A wierd one.

The first tuner I had ripped off was operation ID marked and I have every reason to believe it was taken by a "friend" of my daughter. The Sony was the only item taken from inside the cabin, so they knew what they wanted. They caught the bums that did the second break in - I have a faint glimmer of hope they may recover my second SCA modified Sony, as they (sheriff) think it is in the next county. I now haul my tuner back and forth from home. It's a lot of bother, though. My family has had a cabin on the lake since 1920, and never any problems until the last few years. With mining down, things are very tough on the Iron Range.

As you may or may not know, I get to the cabin quite often in the winter. Takes a while to warm it up, but it is a nice retreat as I have no phone there. I have a long trail to break from the road - about a block. I had been leaving my tuner(s) as I like to DX whenever I'm there. Can get some nice aurora in the winter. Guess I'll have to tote the tuner through the snows next year. They left my TV set - it was a long haul to carry it and it is a two man job. I have a gate at the end of the driveway which prevents driving in the block long driveway.

June 18 and 19 at cabin produced no FM Es. Some aurora about 5 PM on the 19th gave some good Ch. 2-4 Es - typical of aurora induced. Signals ranged from like local quality to nothing. Very sporadic type of Es. Cold up in northern MN. Got down to 42° one night and for June it's cold.

One comment - KMSU in Mankato changed frequency from 90.5 to 89.7. It is underlined and is considered new, as I consider a new frequency to be a new logging. I have a local in Minneapolis on 89.7 (KMOJ) and it usually wipes out Mankato. By the way, a call letter change means nothing to me - just a pain in the butt to try to keep track of.

Table with columns for date, frequency, location, and program type. Includes entries for 5/24 Es (from Bloomington, MN) and 6/10 Es.

on tape w/accent & weak signal

Table with columns for date, frequency, location, and program type. Includes entries for 6/16 Es and 6/17 Es.

73's until next time, John

Bob Zent - 1835 Fruit St. - Huntington, IN 46750

Table of radio stations with columns for call letters, frequency, and location. Includes stations like WUTC, WMBW, WBYN, WJOT, WSKZ, WZYP, WQEZ, WAPI, WDJC, WENN, WRAS, WCSO, WXYZ, WHJY, WSOX, WTIC, WMYS, WGBH, WJMJ, WSDH, WSDH, WMAS, WBOS, WROR, WPLM, WCRB, WHUS, WMBR, WHYN, WHAV, WFLY.

Table of radio stations with columns for call letters, frequency, and location. Includes stations like WWSU, WUS-1, WBYN, WDBR, WCBN, WNNF, WQLM, WFYI, WWL, KOME, KSPZ, KILQ, KCCY, KNAB, KBPI, KYGO, KQSW, KKAZ, KSTC, KNEE, KTAK, KGBS, KFBQ, KTCL, KUNC, KUWR, KGNU, KCWC.

47 new loggings this month, the result of fantastic openings into two much needed areas. Lest you think I'm cheating, let me tell you that I have listed no tentatives. For example, where I've designated "call letters," it means that all four call letters were heard. When a station was identified by a local ad, the city of license must have been mentioned at least once. The only exceptions are station slogans such as "96-TIC" or "Kilo-94," which are obvious and can be identified by this. However, most slogans are useless and I would never count a station if only a simple "Q-106" or "Z-94" was heard.

Can anyone help me with a couple of unidentifieds? Does anyone know the location of KSIT 104.5 or KXRC 93.7? These were heard during the opening to Colorado and Wyoming. Neither is listed in the new FM Atlas. Any help will be appreciated. 73s, Bob

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Harry J. Hayes - 9 Henry Street - Wilkes-Barre, PA 18702

Equipment: Superadio- FM-4G antenna and CM amp. at 25 feet in Thornhurst, PA *Zenith Trans Oceanic w/whip from Wilkes-Barre, PA

Table of radio stations with columns for call letters, frequency, and location. Includes stations like WJTV, WNNN, WKHI, WSNJ, WRDR, WOC, WGRF, WSLT, WKHI, WRDR, WRIO, WQHQ, WGM.

Table of radio stations with columns for call letters, frequency, and location. Includes stations like KZZBt, WQID, WAIA, WPCVt, KSSN, KISR, KTCS, KPXI, KPLX, KZEW, KMOD, KWFC, KMCK, KWEN, KCFM, WCRS, KFBDt, KTEEN, KEGLt, KLKC, KLNK, KID, KOMB, KLRZ, KRBE, KSKG, KMEZ, KJCK, KFKF, KYES, KXLS, KVIL, KMGC, KTXQ, KMBR, KYCK, KCJB, KYTN, KXGRt, CHM, WRJA, KSSN, WKSJ, WUOA, WDJct.

Table of radio stations with columns for call letters, frequency, and location. Includes stations like KZZBt, WQID, WAIA, WPCVt, KSSN, KISR, KTCS, KPXI, KPLX, KZEW, KMOD, KWFC, KMCK, KWEN, KCFM, WCRS, KFBDt, KTEEN, KEGLt, KLKC, KLNK, KID, KOMB, KLRZ, KRBE, KSKG, KMEZ, KJCK, KFKF, KYES, KXLS, KVIL, KMGC, KTXQ, KMBR, KYCK, KCJB, KYTN, KXGRt, CHM, WRJA, KSSN, WKSJ, WUOA, WDJct.

- Remarks Continued -

If I had sent a report last month as I intended, I would have said that this was the worst season on record. However, the season redeemed itself somewhat this month. The skip season is better on TV (more of it) than 1981. Less of the skip seems to be reaching FM. The quality of the season has not nearly reached pre-1977 levels I would say. The 6/7 skip was all done with the Zenith T-O and whip deep within the Wyoming Valley as well as that on 6/8. The Zenith has served me well since I started DXing. It is quite a skip set. Numerous catches are made possibly due to the fact that I am in a valley and I have protection from strong semi-locals. KZEW-97.9 is one of these catches. Ten mile distant WVCD-97.9 is weakened to an extent by high mountains to the South, permitting Dallas to override the signal. I wonder what the EL listeners in this area thought when they heard "their station" playing rock? Being the only EL FMer in the area, WVCD has a big audience here.

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John A. Callarman - 1122 Maple St. - Mt. Vernon, IL 62864

Nine days on the road and some damage to my rotor control unit from a power surge after a four-hour power outage has hampered DX in June. The antenna, since about June 8, has been frozen to the north. A repairman has the control unit, and believes he can fix it, and hopes there's no damage to the rotor itself. If there was a good Es opening between June 8 and June 20, I don't want to know about it. I was on the road those dates, visiting family in Texas. Here's what's heard --

May 25 -- WNON 100.9 Lebanon IN heard weakly in newsblock 1724-1730.
 May 26 -- KHFO 98.1 Osceola AR noted 2014-2020 with gospel music, first time heard in multi attempts. Fortunately, there was a full station ID at 2014 for the tape machine. WNJC 90.1 Senatobia MS still on this frequency 2040 giving address for calendar items; KWAM-FM 101.1 Memphis TN now "Magic-101" in through the evening with soul music and lots of nightclub commercials.

June 1 -- WQEZ 96.5 Birmingham very strong 1859, but did not have tape running when switched to 99.5 just as WRKK gave full ID. Their strict non-ID is "K-99," not "R-99." I did hear the call letters 2043, on a tough frequency with only a tiny window through WKDQ. No other Birmingham noted, and only one Knoxville, WIVK-FM 107.7 1910 through 1939. KDEX-FM 102.3 Dexter MO heard for first time 2100, and s/off taped 2158.

June 6 -- Good Chicago opening with WJEZ 104.3 logged for first time with country music 2028-2201 off and on. WCLR 101.9 Skokie-Chicago briefly with Sinatra music (rarely heard anymore, darnit) around 2040. WVCY 107.7, Milwaukee, segueing soft gospel tunes and identifying as Christian Family Radio became first and only WI in log. (Attempt to squeeze ID out of classical music on 96.5 failed). WLUP 97.9 with call letters as "The Loop-98" ID at 2210. Full ID for WLFQ 103.9 Crawfordsville IN at 2258 confirms suspicion of a previous session on beautiful music station here.

June 7 -- Despite antenna problems, a little Es noted. (Es I assume, though a Terre Haute station's newscast talked about auroral conditions existing in the sky as far south as Terre Haute and the band sounded "whooshy" on some signals). WFAU-FM 101.3 Augusta ME noted 1854-1905 with music like "Honeycomb" and CBS News. Station on 106.9 ID'ing as what sounded like "Kicks-106" and which I first took to be Birmingham noted -- I'll get back to this one. Tape on 107.5 badly squeezed rocker with spot for rock concert in Portland and station promo searching for Maine's Best Video Game Player merited a taped report to WBLM Lewiston. The one on 106.9 gave a promo for a Tee-Shirt giveaway including phone number 315-253-7355. It was while I was checking SRDS for WXXX address that I learned something was amiss with the area code. It was Central New York instead, and checked to WPCX Auburn NY. I sent them the tape and received a verification, with a clarification of the non-ID; it's "Picks-106." Distance is only about 620 miles, which seems short for Es, long for Au, and only up briefly with nothing else from the area in so I discount tropo. I'll learn, I hope. I can still start the antenna, but can only stop it haphazardly. It wound up south tonight for good tape of WJHR 103.1 Jackson TN with rock and "J-103" non-ID, but call letters at 2023. The only thing new this night.

June 21 -- Returned from Texas around 1700 this date, but did not get the radio turned on until 1903. News in French on 100.9 was followed by full CBJ-FM Radio Canada, Chicoutimi ID and symphonic music, quickly lost to WKKK. Another French speaker was noted on 98.1, but could not dig out an ID. No other evidence of Es the rest of the evening.

June 24 -- Full ID for WPCD 88.7, not heard for three years, at 1720 and on. Very weak signal from WEFT 90.1 Champaign, with loose format, listener access show at 2033, but almost nothing heard through WMBI and WVIK. (WMBI I can get when no other Chicago station is available). Progression of black preachers on 92.3 occasionally noted through WIL 2117 to 2300, but I still can't tape a WYCA Hammond IN ID.

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June 27 -- Heart skipped a beat for a moment or two on 89.1 with WVJC apparently off the air and program of Mexican ranchera music in beginning at 1806. Lack of commercial content from announcements in Spanish and fringe faint quality of the reception dampened my enthusiasm. Ranchera continued faintly through 1900, followed by 15 minute commentary in Spanish by man and woman, but turned about to be NPR feature, aired by WGLT Normal IL -- which still is a new station for me.

As good as Quad-Cities reception has been this past week, I wish I could shift my antenna about 30 degrees west for some needed stations in that area! 73 John

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Ronald Purdue - Route #1, Box 224 - Byron, MN 55920

Equipment: Realistic Modulaire-8 and Archer "Stereo Supreme" FM Antenna; Coax Lead-in

5/25 tr	6/7 Es
1828 WAPL 105.7 WI Appleton, ads, r,	1712 WNBR 100.7 NJ Wildwood, ID, MoR 968
"Apple-106"	6/13 tr
1834 WIXX 101.1 WI Green Bay, r	0824 WISQ 100.1 WI West Salem MoR 75
1838 WSPY 97.9 WI Stevens Point, r	6/15 Es
1850 WWRW 103.3 WI Wisconsin Rapids, r, "W-103"	1658 WKSJ 94.9 AL Mobile, ad, k 948
1854 WRLO 105.3 WI Antigo, ads, r	1702 WBLX 92.9 AL Mobile, s 948
1900 WRVM 102.7 WI Suring, nx	1706 WPAP 92.5 FL Panama City, nx 1027
1905 WCOV 97.1 WI Sparta, ads	1707 KAFM 92.5 TX Dallas, r, ad, ID 810
1910 WISQ 100.1 WI West Salem, MoR	1720 WQST 92.5 MS Forest, ads 820
NEM, On the air!	1741 WKBB 100.9 MS West Point, nx/ad 750
1923 WZEE 104.1 WI Madison, r, "Z-104"	1745 WQID 93.7 MS Biloxi, r, ABC nx 958
6/6 Es	1758 WLPB 96.1 AL Mobile, nx 948
1636 KELT 94.5 TX Harlingen, k,	1813 WQUE 93.3 LA New Orleans, ads 978
ads, wx	6/17 tr
1644 KVIC 95.1 TX Victoria, r, ID, ad 1086	2050 KGGG 94.9 IA Des Moines, ads 178
1656 KITV 92.9 TX San Antonio, r	6/20 Es
1705 KBAP 93.3 TX Midland, k, ad, ID 978	2011 KQID 93.1 LA Alexandria, 889
1716 KOFE 94.9 TX Laredo, r, ID	r, "93-QID"
1719 KSET 94.7 TX El Paso, ID, r,	6/26 tr
(Supposed to be k), "K-Set"	1020 WBKV 92.5 WI West Bend, EL 225
1732 KBIL 92.9 TX San Angelo, r	6/26 Es
1751 KITV 92.9 TX San Antonio, ad, r 1065	1105 WCHY 94.1 GA Savannah, 1027
1812 XHAA 93.1 TAM Reynosa, SS mx 1290	k, ads, "Y-94"
6/7 Es	1132 WSSX 95.1 SC Charleston, 1027
1657 WIZD 98.7 FL Fort Pierce, wx, ID 1338	ads, "95-SX"
1708 WDIY 100.3 FL Orlando, r, ID 1235	1221 WEAS 93.1 GA Savannah, s, ads 1027
(New stations underlined)	
It has been a good month for FM-DX reception! Please note that the June 6th logging for KSET-FM. They were playing rock instead of country music. I have heard that in the FCC-TV column in the June VUD that Rochester is going to have another non-commercial FM station on 90.7, but no mention of it in the Rochester Post-Bulletin. It is to be operated by MN Public Radio. WISQ-FM in West Salem, WI is now on! And, they were my first FM verie! They came on March 8th with an MoR format. I caught WISQ on a tropo opening. Yesterday, the 26th, FM E-skip at first was choppy but later in the morning it was more steady. I am expecting more good FM E-skip openings through the summer months, so let's have an FM DXful summer. See you in 30. 73 and Good DX.	
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William R. Hepburn - c/o TCTI - 1950 Montreal Rd. - Cornwall, ON K6H 6L2	
Equipment: Sears portable multi-band on 4th floor w/whip	
5/5 tr	5/13 tr
2043 WEIV 103.7 NY Ithaca	2301 WKCU 97.3 NY Ithaca 200
5/6 tr	2317 WRLX 106.9 NY Auburn, o/CKO-1 170
2204 WIGS 95.3 NY Gouverneur	5/15 tr
2325 WEIVt 103.7 NY Ithaca	0122 WEIVt 103.7 NY Ithaca 200
5/11 tr	5/17 tr
0629 WEZO 101.3 NY Rochester	0540 WCMF 96.5 NY Rochester 195
1725 WPEL 96.5 PA Montrose	225 0613 CIGL 97.1 ON Belleville 150
1928 WGBI 101.3 PA Scranton	255 5/19 tr
2126 WWRV 105.7 NY Endicott	205 0718 CIMOt 106.1 PQ Magog
2143 WEIV 103.7 NY Ithaca	200 5/24 tr
5/13 tr	2220 WMRVt 105.7 NY Endicott 205
0718 WPEL 96.5 PA Montrose	225 5/27 tr
2203 WIBQ 98.7 NY Utica	135 0001 CJBC 106.3 ON Peterboro, 190
2208 WOUR 96.9 NY Utica	135 (CJBC-5), FF
Total in Cornwall at 88	
73s til next time, Bill	
+ + + + +	

David J. Nieman - 12284 Nice Rd. - Akron, NY 14001

5/12 GW 2330 W288AL (WHUG) 105.5 NY Brocton, k
5/29 tr 0030 WVTF* 89.1 VA Roanoke, j, ex-WVWR 405
6/7 Es 0935 ZBM 89.1 BM Hamilton, r 1000
2000 KKED* 90.3 TX Corpus Christi, c 1465
2004 KPFT* 90.1 TX Houston, 1275
SS fund raise
2010 WBRH 90.3 LA Baton Rouge, gr 1090
2031 KRVS 88.1 LA Lafayette, c 1130
6/8 Es 1140 WUWF 88.1 FL Pensacola, c 995
1149 WPCS 89.3 FL Pensacola, g 995
1312 KTSU* 90.9 TX Houston, s 1275
1351 KAFM 92.5 TX Dallas, r 1200
1400 KJON* 92.1 AR Booneville, 970
k, "K-JON-92"
1414 KKEG* 92.1 AR Fayetteville, r 935
1450 KWLS* 93.1 KS Pratt, k 1100
1500 KDCK 95.5 KS Dodge City, r 1150
1503 KXCV* 90.5 MO Maryville, c 850
1505 KLJC 88.5 MO Kansas City, g 870
1829 KCND* 90.5 ND Bismarck, c 1100
1832 unID 91.9 ?? ? FF, CBC ???
1838 KYCK* 97.1 MN Crookston, k 925
1848 CTTI 92.1 MB Winnipeg, 1000
pr, "City-FM"
1858 KAXE* 91.7 MN Grand Rapids, 760
fund raise
6/12 Au-Es 2000 to 0100 No ID's, just lots of noise.
2100 to 2315 MUF CH-6 & briefly to FM 90.9.
6/13 Au 1745 to 2330 No ID's; lots of noise again.
(*ID on tape; New underlined)

6/18 Es 0100 KUWR* 91.9 WY Laramie, c 1375
6/20 Es 2034 KIXS 93.3 TX Killeen, o/WWSE 1375
2041 KWTX* 97.5 TX Waco, m 1285
2049 KUT* 90.7 TX Austin, 1355
c, fund raise
2100 KASE*100.7 TX Austin, 1355
"Kase" o/CHIN
2101 KVAR 104.5 TX San Antonio, 1430
SS o/CHUM
6/22 tr 1349 WESS* 90.3 PA East Stroudsburg 225
6/26 Es 1020 WBRH 90.3 LA Baton Rouge, g 1090
1124 WGUF* 96.7 MS Gulfport, r 1035
1128 WQXY*100.7 LA Baton Rouge, m 1090
1131 WBYU* 95.7 LA New Orleans, 1090
m, o/WBEP
1142 WOKK* 97.1 MS Meridian, k 920
1203 KTDY* 99.9 LA Lafayette, o/CKFM1130
1204 WYK*101.5 LA Baton Rouge, k 1090
1212 KBIU*103.7 LA Lake Charles, r 1185
1215 WZZK*104.7 AL Birmingham, k 785
1216 WAIL*105.3 LA Slidell, s 1070
1219 WQSB*105.1 AL Albertville, k 730
1227 KXKZ*107.5 LA Ruston, k 1045
1244 KCOZ*100.1 LA Shreveport, m 1100
1252 KTXQ*102.1 TX Fort Worth, 1215
r, o/CFNY
1256 WHOD*104.9 AL Jackson, k 950
1259 KOAX*105.3 TX Dallas, m 1200
1350 KFN*101.1 KS Oberlin, prev. ms 1140
1354 KFMQ*101.9 NE Lincoln, pr 940
1435 KTRS 95.5 WY Casper, r 1380
6/26 tr 1427 WCXI 92.3 MI Detroit, k, ex-WTWR

Alan L. Michalek - 227 Redlands St. - Springfield, MA 01104
Equipment: Panasonic RF-2900 with whip antenna

5/7 tr 2250 WQHQ 104.7 MD Ocean City-Salisbury
2255 WSLT 106.3 NJ Ocean City
2320 WSNJ 107.7 NJ Bridgeton
2350 WDAS 105.3 PA Philadelphia
2400 WNCN 104.3 NY New York, c
5/8 tr 0020 WYSP 94.1 PA Philadelphia
0040 WNNN 101.7 NJ Canton, g
0100 WRVH 105.5 NY Patterson
0101 WAFP 103.5 NY Lake Success, ex-WTFM
0725 WAFB 97.7 DE Milford
0802 WSNJ 104.5 PA Philadelphia,
"Sunny-104"
0815 WQXR 96.3 NY New York, c
5/15 Es 1915 WWL 93.9 FL Miami Beach,
"Love 94-FM"
6/7 Es 1604 WNJC 90.1 MS Senatobia, r
1609 WKBJ 92.3 TN Milan, k,
"FM-92," Cards BB
1620 WLVS 94.3 TN Germantown, k
1623 WNDL 95.1 AL Huntsville

6/7 Es 1634 KTMO 98.9 MO Kennett, k
1635 unID 98.5 ?? ? "Q-98," Joe
Purcell for Governor ad
1640 unID 98.5 ?? ? "Z-99," Mention
Natches-Trace
1645 WRUL 97.3 IL Carmi, k
1654 KKYK 103.7 AR Little Rock
1655 WVRH*104.5 TN Memphis, Shoney's ad
1656 KMCK*105.7 AR Siloam Springs
1658 WVHT 105.3 IN Evansville
1701 KMJX 105.1 AR Conway-Little Rock,
r, "Magic-105"
1703 KWK 106.5 IL Granite City-St. Louis
1705 KMJM 107.7 MO St. Louis, "Magic-108"
1723 WIFZ 104.7 IN Jasper
1725 WCIL 101.5 IL Carbondale
1730 WFMH 104.5 IL Springfield,
k, "Country-105"
1732 WVVR 105.5 IN West Terre Haute, g
1740 WDBE 103.7 IL Springfield, r
1745 KJEL 103.7 MO Lebanon
1758 WLEX 100.1 IL Lincoln
1802 KFTI 100.9 MO Sullivan, "KT-101"

- Continued -

6/7 Es 1818 KMUZ 101.1 MO Carrollton, k,
"Mizzou-101," ex-KAOL
1820 WHPO 100.9 IL Hoopston, k
1831 KESH 105.5 MO El Dorado Springs
1840 KMBR 99.7 MO Kansas City
1851 WQCY 99.5 IL Quincy
1852 KMRJ 96.9 KS Pittsburg
1903 WIBW 97.3 KS Topeka, "97-FM"
1907 WLAX 97.7 IL Streator, m
1925 KSTG 97.7 MO Sikeston
1938 WCAZ 92.1 IL Carthage
1939 WJRE 92.1 IL Kewanee, k
1955 KPFP 94.1 KS Kansas City, ex-KCKN
2005 WSSR 91.9 IL Springfield
2012 WLRW 94.5 IL Champaign, k
2030 KOPN 89.5 MO Columbia
(Time is EDT)

6/15 Es 1910 WPEH 92.1 GA Louisville,
r, Braves BB
1932 WMEZ 94.1 FL Pensacola, m
1945 WLVI 92.3 AL Montgomery, k, "I-92"
2007 WOKK 97.1 MS Meridian, k, ex-WALT
6/22 Es 1610 WVHG 92.1 FL La Belle, k
1620 WUCF 89.9 FL Orlando, Or. Twins BB
6/26 Es 1140 KLIL 92.1 LA Moreauville
1205 WJNS 92.1 MS Yazoo City
1209 WOOR 92.5 MS Oxford
1225 KLAZ 98.5 AR Little Rock
1227 WHEH 97.1 AR Camden
1229 WHRK 97.1 TN Memphis, "K-97"
1235 WMC t 97.7 TN Memphis, "FM-100"
1245 KEZQ t 100.3 AR Jacksonville, "FM-100"

Daniel E. Oetting - 2882 Old Cedar Grove Rd. - Broomall, PA 19008

6/1 tr 2000 WKSB 102.7 PA Williamsport, r
2022 WBNB 102.5 NY Buffalo, r,
WRFY off due to TS.
6/2 GW&S 1751 WRHY 92.7 PA Starview, m, ID, only
70 miles away. Was on my "should have"
list. Finally got it; WIF! off.
1759 WINC 92.5 VA Winchester, r, local nx
1801 WMJQ 92.5 NY Rochester, rp,
recaption confirmed by telephone.
6/3 Es 2042 unID 91.3 ?? ? c
6/7 Es 1143 WINZt 94.9 FL Miami Beach, r, out 1145
1522 unID 92.3 ?? ? auto r
1656 KCEZ 94.9 MO Kansas City, m, ID
1658 KPBD 97.7 MO Waynesville, r, ID
1659 KATT 100.5 OK Oklahoma City, rp, "Cat"
1700 KMoe 92.1 MO Butler, nx, km, ID
1701 KBEZ 92.9 OK Tulsa, m, ID
1704 KKRZ 107.3 KS Wichita, ad
1705 KMOX 103.3 MO St. Louis, rm, ID
1706 KPRS 103.3 MO Kansas City, s, ad
1709 KJMO 100.1 MO Jefferson City,
r, ad, "J-100"

6/7 Es 1818 KMAZ 92.9 NE Beatrice, km, ad
1820 WIFC 95.5 WI Wausau, r, ID
1822 KEZO 92.3 NE Omaha, rp, "Z-92"
1830 KOAK 95.3 IA Red Oak, ID
1830 KCKS 95.3 KS Concordia, wx, ID
1833 KNCY 97.7 NE Nebraska City, wx, ID
1839 WYFET 95.3 IL Winnebago, rp, "Y-95"
1849 KQKQ 98.5 IA Council Bluffs, ad, s
1854 KELS 92.1 OK Ardmore, r, ID
1856 KJCK 94.5 KS Junction City,
r, ad, "S-94"
1859 KNIN 92.9 TX Wichita Falls, m, ID
1902 KSMX 92.1 IA Ft. Dodge, r, ID
1905 KSRD 96.9 NE Seward, k, ID
1920 KMRJ 96.9 KS Pittsburg, r, ID
1922 KLUR 99.9 TX Wichita Falls, k, ad
1930 KLJCT 88.5 MO Kansas City, g
2003 KVRP 95.5 TX Haskell, k, ID
2005 WMAZ 92.1 WI Sun Prairie, rp, ID
2008 KCPJ 95.3 MN Albert Lea, r, ID
2014 KFMD 92.9 IA Dubuque, r, "D-93," ad
2021 WACI 92.1 IL Freeport,
Brewer's BB, ID
2050 MUF off FM
6/8 Es 1113 KQKIt 95.3 LA Bayou Vista,
heard "Bayou"
1340 KBEZ 92.9 OK Tulsa, m, ID
1347 KWEE 97.3 OK Weatherford, k, ad,
"Big W-Country"
1350 KMoe 92.1 MO Butler, km, ID
1355 KCEZ 94.9 MO Kansas City, m, ID
1400 KOEZ 92.3 KS Newton, m, ID
1405 KMAZ 92.9 NE Beatrice, km ad
1406 KTTN 92.1 MO Trenton, wx, ID
1848 CTTI 92.1 MB Winnipeg,
rp, "92 City-FM"

1709 KCFO 98.5 OK Tulsa, g, ID
1710 KMOD 97.5 OK Tulsa, rp, ID
1715 KCFM 97.1 MO Florissant, m, nx, ID
1717 KSKG 99.9 KS Salina, r, ad
1718 WEAIt 100.5 IL Jacksonville, rm
1720 KEYN 103.7 KS Wichita, ad
1723 KLZR 105.9 KS Lawrence, rp, ID
1726 KDVV 100.3 KS Topeka, rs,
nx, ad, "V-100"
1732 WIBW 97.3 KS Topeka, r, ad, "FM-97"
1740 WNNN 96.1 MI Bay City, r, ID, My
shortest Es on FM. Only 490 miles away!
1743 WKKM 92.1 MI Harrison, local PSA
1743 WCAZ 92.1 IL Carthage, k, ID
1750 WKJF 92.9 MI Cadillac, m, ID
1753 KWEN 95.5 OK Tulsa, k, ad, "K-95"
1755 KNUEt 101.5 TX Tyler, m,
"FM-101," "TSN nx"
1756 KAYQ 97.7 MO Warsaw, m, "Ozark-98"
1810 KOEZ 92.3 KS Newton, m, ID

1849 CHIQt 94.3 MB Winnipeg, rp
1849 CHMMt 97.5 MB Winnipeg, km
1849 CBW t 98.3 MB Winnipeg, c
6/10 Es 1610 CBMM 90.3 NF Marystown, mr,
St. Anthony fishing report
1818 KATT 100.5 OK Oklahoma City, rp,
very little Es on TV

- Continued -

6/10 Es
1831 MUF off FM
6/11 tr
2240 Excellent Delmarva - SE VA tropo
2254 WSFL 106.5 NC Bridgeton, in good 360
2255 WMYK 93.7 NC Elizabeth City, rp
6/12 tr
0540 WAZZ 101.9 NC New Bern, k, ID 365
2100 WOBR 95.3 NC Wanchese, m
2130 WBCI 96.5 VA Williamsburg, o/local
2135 WYVA 94.1 VA Yorktown, k
2310 WKWI 101.7 VA Kilmarnock, s/off
6/13 Es
2108 KMYO 92.1 OK Broken Arrow, ID, "Came"
MUF jumping up and down all night, occas-
New record - 27 new FM stations were received in a 3 1/2 hr. period - 6/7 - 1655-2025.
Plenty of good Es in the first half of June, but nothing in the second half. Not a
whole lot of tropo in June. Hope conditions pick up in July. Broomall total: 476.
73's Dan

Patrick Durkin, Jr. - 1940 Oakdale Ave. #305 - West St. Paul, MN 55118

Equipment: Pioneer SX-850 with dipole antenna or GE Superadio 7-2880B w/whip, both
antennas at 35 ft. (West St. Paul). SX-850 with Winegard CH-6065 at 30 ft. in West
Allis; Superadio in Freehold, NJ.

4/14 tr (from West St. Paul)
0020 KNNS 96.9 MN Grand Rapids, 175
ex-KXGR, ex-96.7, \$

4/24 tr
0040 WAPL 105.7 WI Appleton, r\$ 230

4/25 tr
2248 WHTL 102.3 WI Whitehall, r mono 90

5/3 tr
0105 KNWS 96.5 SD Sioux Falls, g\$ 200
0117 WZUU 95.7 WI Milwaukee, r\$ 280

5/3 ms
0136 KGOR 99.9 NE Omaha, r\$ 290
"...KGOR with Kool and the Gang..."

5/19 tr (from Freehold, NJ)
0059 WSRB 96.1 MA Worcester, m 185
0112 WTIC 96.5 CT Hartford, r 135
0155 WXSX 107.9 MA Medford, r 220
0202 WQGN 105.5 CT Groton, r 135
0207 WDRG 102.9 CT Hartford, r 135
0214 WROR 98.5 MA Boston, r 215
0216 WRCH 100.5 CT New Britain, r 130
0253 WCWP 88.1 NY Brookville, r, 100w 50
0305 WJMJ 88.9 CT Hartford, g 135

6/10 Es (from West St. Paul)
1854 WBLX 92.9 AL Mobile, s\$ 1045
1856 WKSJ 94.9 AL Mobile, k\$ 1045

6/15 Es
1725 WMMK 92.1 FL Destin, k\$, "K-92" 1060
1727 WKYD 98.1 AL Andalusia, k\$ 1010
1729 WQUE 93.3 LA New Orleans, r\$ 1040
1730 WKSJ 94.9 AL Mobile, k\$ 1045
1740 WJLQ 100.7 FL Pensacola, r\$ 1040
1751 WPHO 99.1 MS Pascagoula, m\$ 1030
1753 WBLX 92.9 AL Mobile, s\$ 1045
1756 WTVY 95.1 AL Dothan, k\$ 1030
1759 WLPR 96.1 AL Mobile, m\$ 1045
1817 KQXY 94.1 TX Beaumont, m\$ 1025

6/17 Es
1908 KZOR 94.1 NM Humble City, 995
r\$, "Z-94"

1935 KEMM 92.1 TX Commerce, m\$ 820
1941 KEMM 92.1 TX Livingston, k mono 985
1943 WFAW 92.1 TX College Station, r\$ 1005
2008 WJGA 92.1 GA Jackson, s mono 935
2041 KBLI 92.9 TX San Angelo, r\$ 1010
2043 KWLW 93.9 TX San Angelo, m\$ 1010
2045 KJAK 92.7 TX Slaton, g 915
2049 KBAT 93.3 TX Midland, k\$ 1010
2056 WBLX 92.9 AL Mobile, s\$ 1045
2104 KSSN 95.7 AR Little Rock, k\$ 700
2107 WQUE 93.3 LA New Orleans, r\$ 1040
2110 WJNS 92.1 MS Yazoo City, k\$ 840
2134 KREPT 103.7 OK Anadarko, k mono 725
2136 KEAN 105.1 TX Abilene, k\$ 930
2141 KASE 100.7 TX Austin, k\$ 1040
2145 KWJS 94.9 TX Arlington, g\$ 860
2156 KZEW 97.9 TX Dallas, r\$ 860
2207 KVCL 92.1 LA Winfield, \$ 895

6/20 Es
2000 KRVB 88.1 LA Lafayette, c\$ 1015
2010 KLTJ 92.1 LA Moreauville, r\$ 960

6/26 Es (from West Allis, WI)
1048 WQLM 92.7 FL Punta Gorda, m\$ 1170
1052 WRBQ 104.7 FL Tampa, r\$ 1090
1057 WQYK 99.5 FL St. Petersburg, 1100
k\$

1100 WRJA 88.1 SC Sumter, c\$ 755
1115 WKTZ 96.1 FL Jacksonville, m\$ 945

6/26 tr
1823 WTMK 93.1 MI Iron Mountain, k\$ 195
(Not m as in FM Atlas)

1838 WDUX 92.7 WI Waupaca, r\$ 100
(Time is CST/CDT)

(Totals: West St. Paul-179; W. Allis-425)

- Continued -

I spent the majority of May away on a business trip to Freehold, NJ, a town of 10000
in central NJ, about halfway between Philadelphia and New York City. I'm surprised
that anyone in NJ can get decent DX, since the dial is so full of local and semi-lo-
cal stations! The DX I have listed for Freehold occurred on a night when coastal tr
was in full force. On TV that night, using a simple loop antenna, I received UHF
stations from Norfolk, VA to Boston, MA. There was also E-skip while I was there,
but it didn't make it to FM.
I also went to visit my parents back in West Allis at the end of June and was able
to add seven new stations to my West Allis log, five via Es. I would have probably
had more, but I had to leave in the middle of the skip session.
I'm hoping for more E-skip like we had in June, although I probably won't be around
Minnesota to see it. I'll be taking another business trip soon, this time spending
four weeks in Muncie, IN, beginning in mid-July. It'll be interesting to see what
east-central IN DX is like in the middle of the summer, and I'll probably stop by to
visit Ralph. Until then, best of DX!
Pat

Fred McCormack - 135 Prairiewood Drive - Fargo, ND 58103

1/3 Es
1830 WAEV 97.3 GA Savannah, r 1315

5/15 Es
2142 KKED 90.3 TX Corpus Christi, c 1315
2157 KFMG 107.9 NM Albuquerque, r 960
2203 KYKN 95.3 NM Grants, r, "K-95" 990
2218 KIQQ 101.3 CO Durango, 870

2239 KMFS 92.7 CO Glenwood Springs, k 730
2240 KQIX 93.1 CO Grand Junction, 800
r, "The Q"

5/15 tr
2259 KDCR 88.5 IA Sioux Center 265

5/16 Es
1916 KLKE 94.3 TX Del Rio, AM-FM // 1230
1929 KRWG 90.7 NM Las Cruces, 1135
NPR, "FM-91"

2028 KMGR 91.5 AZ Phoenix, NPR 1225
2034 KJJJ 92.3 AZ Glendale, 1225
k, "KJ-92"

2042 KTYI 95.1 AZ Yuma 1355
2105 KKEE 94.3 NM Alamogordo, AP 1080

5/28 AE
0016 CBYG 91.5 BC Prince George, 1235
CBC mono

6/6 Es
1639 KITY 92.9 TX San Antonio, r 1210
1653 KMFM 96.1 TX San Antonio, 1210
Sat. Radio Net

1726 XHRE 105.5 COA Piedras Negras, 1270
R. Ensueno

1800 KNBT 92.1 TX New Braunfels, k 1190

The above are all of my new FM loggings so far this year. They are representative
of the openings which I have caught. I would rate the Es season as good. I just
wish I had more time to listen when conditions are good.

Richard Reese - 421 Marion St. - Jersey Shore, PA 17740
Equipment: Panasonic RF-1150 & GE Superadio

6/3 Es (107.9 is MUF)
2033 WBYU 95.7 LA New Orleans, ID 1075
2035 KZZQ 94.3 LA Golden Meadow, "Z-94" 1520
2036 WCKW 92.3 LA Laplace, ID
2037 WRPM 107.9 MS Poplarville, ID
(Plus unIDs til about 2100)

6/7 Es (108+ is MUF)
1517 WTVY 95.5 AL Dothan, ad 840

6/6 Es
1815 XHAAA 93.1 TAM Reynosa 1435
1830 KFIM 92.3 TX El Paso, r 1165

6/7 tr
2136 KQCR 102.9 IA Cedar Rapids, 425
r, "Q-103"

6/15 Es
1944 WAPI 94.5 AL Birmingham, 1060
"95-Rock"

1947 WJMJ 94.3 TN Lewisburg 945
2036 WZGC 92.9 GA Atlanta, r, "Z-93" 1115

6/17 Es
1950 KFRA 105.5 LA Franklin 1215
2019 KBIU 103.7 LA Lake Charles 1165
2038 KZOM 104.5 TX Orange, r 1170
2040 KIOC 106.1 TX Orange, r, "K-106" 1170
2052 WNSL 100.3 MS Laurel, "SL-100" 1125
2105 WPAP 92.5 FL Panama City, AP, k 1295
2118 KUOL 101.7 AR Mena, r, AM-FM ID 860
2127 KRMD 101.1 LA Shreveport 1005
2131 KXKZ 107.5 LA Ruston, k 1015
2140 WQNZ 95.1 MS Natchez, k 1095
2146 KWEZ 104.1 LA Monroe, "EZ-104" 1025
2210 WTXI 102.3 MS Ripley, k 930
2228 WLWI 92.3 AL Montgomery, 1145
k, "I-92"

2244 KAFM 92.5 TX Dallas 975
2250 WKBK 92.3 TN Milan 865

6/26 Es
1206 WJIZ 96.3 GA Albany 1250
1216 WCUP 100.3 GA Tifton, 1275
"cup radio"

- Continued -

Table of radio frequencies and call letters for stations in the Northern FM DX region, including call letters, frequency, and location.

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6/24 Es
 1244 KNID 96.9 OK Enid, ID
 1245 KTCS 99.9 AR Ft. Smith, town ID 1020
 1247 KLPQ 94.1 AR Little Rock, town ID
 1255 KNED 101.3 OK McAlester, wx 1105
 1259 WNIW 88.3 IN Evansville, ID, 600
 s/on type info.
 1300 WXID 94.7 KY Mayfield, ID, wx
 1300 KEBC 94.7 OK Oklahoma City, ID 1170
 1302 KZLE 93.1 AR Batesville, ID
 1305 KSHE 94.7 MO Crestwood, wx
 A big report this time, thanks to a couple of big Es sessions. Just hope this type of DX continues through July.

6/24 Es
 1309 KATT 100.5 OK Oklahoma City 1170
 1310 KRAV 96.5 OK Tulsa, ad 1080
 1311 KICT 95.1 KS Wichita, "T-95" 1100
 1314 K7?? 106.9 OK Clinton?,
 "Foxy-107," ex-KKCC?
 1323 KZED 93.5 KS Wellington, ID
 1324 KWLS 93.1 KS Pratt, ID
 6/27 tr
 1020 WDRQ 93.1 MI Detroit, ID 300
 (New Underlined)
 73's, Rich

Ralph Strobel - 2300 E. McGalliard Rd. - Muncie, IN 47303
 Equipment: McIntosh MR-78; Channel Master \$ Probe 9 at 60 ft.

6/9 tr
 0430 WNYT 99.3 OH Portsmouth, s/on 155
 6/13 Es
 2128 WQLM 92.7 FL Punta Gorda, ez\$ 975
 2137 WFFN 92.5 FL Key West, r\$ 1140
 6/15 ms
 0242 KRQV 98.9 CO Pueblo, prev. Es 1040
 (04 sec. burst gave calls in ad)
 0304 KTMO 98.9 MO Kennett, prev. tr 400
 (50 sec. burst gave calls in wx)
 6/15 Es
 1728 KETR 88.9 TX Commerce, wx 780
 1729 KSUC 88.3 TX Keene, nx 890
 1750 KBLJ 92.1 CO La Junta, ad 1050
 (WBST 92.1 IN Muncie, off air)
 1808 KMRE 95.3 TX Dumas, wx 1000
 1810 KIXV 95.3 TX Brady, r\$, "FM-95" 1050
 1840 XET 94.1 NL Monterrey, SS ID 1400
 (My first Mexican)
 1928 KUWR 91.9 WY Laramie, WY nx, wx 1100
 (WBST 92.1 IN Muncie, back on air)
 1930 KUNC 91.5 CO Greeley, wx 1060
 1935 KUAD 99.1 CO Windsor, ad 1050
 2000 KKHJ 93.9 SD Rapid City, m\$ 1000
 2024 KGGG 100.3 SD Rapid City, ads 1000

6/16 ms
 0557 KLNK 98.9 OK Oklahoma City, 780
 (15 sec. burst gave Will Rogers
 Airport temp. and "99-KLNK")
 6/17 Es
 2010 KEXX 93.9 TX Corpus Christi 1170
 2015 KAWY 94.5 WY Casper, r\$ 1130
 2024 KTKA 93.9 WY Riverton, r\$ 1250
 2046 KIQZ 92.7 WY Rawlins, k\$ 1175
 2128 KGNU 88.5 CO Boulder, nx 1090
 2200 KCWC 88.1 WY Riverton, rp\$ 1250
 2202 KHOR 92.9 NE Scottsbluff-Gering 1000
 6/20 tr
 0257 WBLV 90.3 MI Twin Lake, 220
 testing ID in \$, WBCL off
 6/26 Es
 1324 KBYA 88.5 ND Belcourt, prev. ms 950
 1348 KYYY 92.9 ND Bismarck, ads 900
 1359 KQDY 94.5 ND Bismarck, k\$ 900
 6/28 ms
 0300 KLNK 98.9 OK Oklahoma City 780
 (40 sec. burst gave wx and full ID)
 0305 WBAM 98.9 AL Montgomery, pre. tr 575
 (10 sec. burst gave "WBAM 99-FM")
 (All stations recorded on tape)

OWNER OF PIRATE WELI JAILED; BOND IS \$12,000 CASH

More than two years ago when Dave Brumfield called the DJ at WELI, the young man admitted to Dave that he had built a blue box which enabled him to bypass Bell Telephone equipment to make free long distance calls. A June 30th article in the Muncie Evening Press states that Barry Fetterhof, 19, was arrested last year for disorderly conduct. When searched, his blue box was found and turned over to the FBI. Muncie police didn't know what it was. Fetterhof admitted to me when I called him over two years ago that he had moved here from Kokomo, IN. Everything in the article makes me positive that this is the person who has been operating pirate WELI on 89.0 MHz.

Fetterhof and a 25 year old friend, Ronald Layne, were both arrested at a phone booth making their free long distance calls. Layne's cash bond is set at \$8,000. A cash bond means a person can not post bond and must come up with the full amount in cash. Fetterhof is unemployed. His cash bond is \$12,000.

The 19 year old high school dropout is termed as an electronic "genius" who has been tinkering with electricity and electronics as long as he can remember. Fetterhof says he used the blue box mostly for research.

Needless to say, WELI is now off the air. I noticed the day before the article appeared in the paper that WELI was off. The article makes no mention of pirate WELI, so I suspect Fetterhof is keeping his mouth shut in that regard.

E-skip works in mysterious ways. On June 7th when I was hearing CT RI and MA, Dave Hascall, only 40 miles SW of me in Fortville, IN was getting VT NE and ME. My June 17th skip was mainly to WY with MUF being only 94.5. Yet, Bob Zent of Huntington, IN 40 miles north of me had an MUF of 105.9. Shows how one's location is important.

HELP! Never in the history of WTFDA has a DX column come to 19 full pages of DX!

73, Ralph

SOUTHERN FM DX

AUGUST 1982

A GOOD ES SEASON SHAPES UP WHILE TROP FALTERS

While not yet distinguished by any all day super openings, this Es season has turned out to be a good one. June had Es on 19 days as reported so far. However, some may feel that number doesn't reflect that the season has been long on quantity and short on quality since many of the openings were brief with low MUF, but overall not a bad season.

Trop activity has wound down considerably since the first 11 days of June when maximum distances logged ranged up to around 800 miles. With so much rainy weather around, it was surprising the trop did not reach out any better, or continue to build.

PREFERRED ABBREVIATIONS:

FORMATS:

ID - identification (call letters)	Es - sporadic E-skip	CCI-co-channel interference	r-rock
EE - English	Tr-tropospheric bending	MUF-maximum usable frequency	s-soul
FF - French	MS - meteor scatter	QRM-interference	k- country
L - Spanish, also SS	LS-lightning scatter	QSL-verification	c- classical
cx - conditions	AS-aircraft scatter	xltr - translator	g- gospel
mx - music	AU-aurooral reception	xmtr - transmitter	j- jazz
nx - news	GW-groundwave(local)	t-tentative or talk	m- middle of road
wx - weather	\$ - stereo	psa-public service announcement	p- album oriented
	s/off-sign off		rock(progressive)

Tim McVey, Rt. 3, Box 568, Bolivar, TN 38008 - June 1 to June 22 EDT

Back home for the summer and there's been E-skip every day I've been here. FM DX is fantastic even with the Arkansas mess to my west. Tuner is a JVC model JT-V22 with a Finco FM-5 antenna and G. M. rotor.

6/7 Es
 1515 out on I-40 E. of Jackson, TN, lots of Es commotion on my JIL in-dash
 1525 WOKQ 97.5 NH Portsmouth, k
 1531 WMGX 93.1 ME Portland, nr, "Magic"
 1540 unID 93.7 French talk, mono
 1545 WSOX 94.9 MA West Yarmouth, QRM from WHOM
 1600 WSYR 94.5 NY Syracuse, ar\$, ID
 1800 CROQ 92.5 PQ Montreal, Eme\$, ID
 1802 CBV-6 92.9 PQ La Malbaie, tentative ID "Radio Canada"
 1805 CKMF 94.3 PQ Montreal, ar\$
 1810 unIDs in French on 88.1, 89.1, 93.3, 93.9, 95.1, 95.3
 1815 CHAY 93.1 ON Barrie, em\$

are new loggings: CITI 92.1 pr, CHIQ 94.3 mr, GHMM 97.5 mk, CBW 98.3 talk.
 2017 unID 92.7 rock\$, maybe the new Brandon, MB station.

6/7 tr
 2150 Knoxville(good grief!), Atlanta, and AL in strong
 2200 WDEW 105.3 GA Macon, k, ID
 2202 WSSL 100.5 SC Laurens-Greenville, k, ID "whistle-100" (state #41)
 2208 WPAF 92.5 FL Panama City, k
 2215 WREZ 103.3 AL Montgomery, e, ID
 2220 WRES 105.7 AL Troy, k, promos

6/16 Es
 1010 KILQ 93.9 CO Colorado Springs, ar, "kilo"
 1015 KRDO 95.1 CO C. S., e, ID(first station I ever heard by Es)
 1020 KSPZ 92.9 CO C. S., r "Z-93"
 1022 KBLJ 92.1 CO La Junta, k
 1025 KZLO 100.7 CO Pueblo, m
 1030 KCMR 88.1 CO Manitou Springs, c
 1031 KCFR 90.1 CO Denver, c
 1845 unID English r\$ from Mexico, "Estereo Armistad"
 1900 XHNY 93.5 GTO Irapuato, L ID
 1903 XHNH 95.1 GTO Irapuato, "stereo 95"
 1906 till 1930 brought in Guadalajara, JAL very strong. Here is a list of what I heard in frequency order. E means music is English:
 XHOY 90.7 L XETIA 97.9 LS
 XHJL 91.5 e\$ "\$ Mundo XHRC 98.7 Er\$ "\$-99"
 XHSC 93.9 m\$ XHAV 100.3 \$, news
 XHDK 94.7 \$ "\$ Reguerdo" XEAD 101.9 m\$
 XHRO 95.5 em\$

6/14 Es
 1100 TV channels 2,3,4,6 are wld with Miami and Cuba...
 1125 unID! 92.1 this is a weak, mono station coming from SSE(NOT Mexico)ln SS with lots of talk. Mentions "Puerto Haiti" but not enough info to use Ondas FM.

1920-2030 This is by best opening ever into Mexico. Every Mexico City FM was in except 96.9, 104.1 and 105.7. I shall list these in frequency order to reduce clutter:

2010 until 2030 TV and FM from Winnipeg, MB (1085 mi.) but no ID's or calls heard. All

88.1 XHRFM, eE\$ "Radio VIP"
 88.9 XHM, Er\$
 89.7 XEBS, e\$
 90.5 XEDA, L
 cont.

6/16 Es, cont.
 91.3 XHQA, news
 92.1 XHFO, L
 92.9 XEQ, r
 93.7 XEJF, m\$ "Radio Hoya"
 95.3 XHSH, 5m\$
 96.1 XEUN, c\$
 97.7 XERC, Er\$ "Radio Hits"
 98.5 XELA, c\$ "Stereo Classique"
 99.3 XHFOF, m\$ "Musica Felis 99"
 100.1 XHFM, r\$
 100.9 XHSON, Em\$
 101.7 XEA, L\$
 102.5 XHY, L\$
 103.3 XBRPM, Er\$
 104.9 XHBST, me\$ "Globo Estereo"
 106.5 XHDFM, m\$
 107.3 XEQR, Er\$ "Radio Universal"

1930 XH--- 93.1 JAL Gradalajara, m\$ ID
 "Radio Armistad" NEW on air

6/17 Es
 1853 KIAJ 92.7 WY Rawlins, k

6/18 Es
 1155 XET 94.1 NL Monterrey, m\$, ID
 1157 XHNL 94.9 NL Monterrey, m\$

6/20
 1800 KFLG 92.9 AZ Flagstaff, r
 1801 KDKB 93.3 AZ Mesa, r

Jim Pizzi, P. O. Box 1778, Lovington, NM 88260 - 5/21 to 6/18 MDT - 805 396-3432

Equipment: Antennacraft 10 ele. horz.@50' and vert.@25', JVC VT-700/JVC-VT-900, Akai AT-V04.

5/21 tr
 0119 KIXS 93.3 TX Killeen, ID 353
 0128 KOXE 101.5 TX Brownwood 265
 0129 KHOO 99.9 TX Waco 368
 5/27 tr
 0247 KPLE 104.9 TX Temple 368
 5/30 tr
 0936 KVLV 107.9 TX Edinburg, ID 554
 KVAR 104.5 TX San Antonio, SS 380
 KFLZ 107.1 TX Bishop, SS 500
 KMLG 102.1 TX Clear Lake City 534
 "Magic 102"
 KNON 101.3 TX Sinton, "the C" C101 485
 KISS 99.5 TX San Antonio, r 380
 KKED 90.3 TX Corpus Christi 505
 KUIF 88.7 TX Houston, tent
 KQXX 98.5 TX McAllen, SS 555

6/1 Es
 0909 WUAL 91.5 AL Tuscaloosa 918
 WBHM 90.3 AL Birmingham 959

6/3 tr
 0109 KOKF 90.9 OK Edmond, g 380
 6/4 tr
 2300 KVLV 107.9 TX Edinburg 554
 2303 KBFM 104.1 TX Edinburg 576
 2310 KDUV 100.3 TX Brownsville, ID@2328
 "K-Dove + calls
 2314 KRLX 99.5 TX Brownsville, ID@2332
 "FM-99" + calls
 2335 KQXX 98.5 TX McAllen 555

6/5 Es
 0833 WCUP 100.3 GA Tifton, ID 1170
 0839 WSVH 91.1 GA Savannah, ID 1305
 0842 WQTM 95.3 AL Prattville, ads, ID 985

6/20 Es
 1804 KRQQ 93.7 AZ Tucson, ar "KRQ"
 1806 KCTB 93.9 AZ Flagstaff, m
 1810 KOOL 94.5 AZ Phoenix, mr
 1812 KJLJ 92.3 AZ Glendale, k
 1815 KQYT 95.5 AZ Phoenix, e
 6/22 Es
 0852 KSET 94.7 TX El Paso, r
 0853 KPAS 93.9 TX " , e
 0854 KLAQ 95.5 TX " , c
 KHEY 96.3 TX " , k
 KINT 97.5 TX " , ar
 0857 KTEP 88.5 TX " , c
 0858 KFTM 92.3 TX " , mr
 0859 KRWG 90.7 NM Las Cruces, "FM-91"

And that wraps it up for this time. Logs now stand at 943 with 41 states, 7 Mexican states(JAL, GTO, DF, NL, PUE, SLP, VER), 5 provinces(PQ, CN, NB, AB, MB), and Jamaica. Thanks to all who have helped me with unID's and mistakes, especially Mr. O'Connor who corrected several incorrect New England logs. Often I log a station when non-ID's, ads, and geographic separation locate it. Therefore, calls may be outdated on some. I do not count call changes as a new station, as per club policy. Sorry about not measuring the distances this time. And now, I close with a big 73.

6/5 tr
 0844 KMEZ 100.3 TX Dallas, ID 368
 Es
 0851 WSGF 95.5 GA Savannah, ID 95-SGFM 1305
 0856 WDAK 95.3 GA McRae, ads 1197
 0900 WBYH 101.9 AL Montgomery, ID, ads 990
 0907 WGBH 103.9 GA Hawkinsville, ads 1166
 tr
 0911 KYKX 105.7 TX Longview, psa, ads, ID 502
 Es
 0912 WGEK 103.9 GA Springfield, ID 1287
 calls + "FM-103", k
 tr
 0914 KQTE 105.9 OK Hobart, ID KQ-106 272
 0915 KOOI 106.5 TX Jacksonville, ads, big band 466
 Es
 0909 WCLA 107.1 GA Claxton, ads 1256
 0922 WCGQ 107.3 GA Columbus, ID "107-Q" 1067
 0923 WAEV 97.3 GA Savannah, ID"Wave-97" 1305
 tr
 0927 KINB 107.3 OK Poteau, ID 510
 Es
 0928 WPEZ 107.9 GA Macon, "Radio-108", 1148
 "EZ-108" ID @0933
 tr
 0929 KXCL 107.9 TX Corsicana, ID 399
 0936 KLUR 99.9 TX Wichita Falls, ID 282
 Es
 0938 WFME 100.1 GA Forsyth, g, ID 1125
 0942 WPEH 92.1 GA Louisville, ID, ads 1215
 tr
 0944 KAFM 92.5 TX Dallas, ID 368
 0947 KPLX 99.5 TX Ft. Worth, ID 368
 Es
 1118 WHLP 96.7 TN Centerville, ID, k 923
 1120 WXBQ 96.9 TN Bristol, ID 1224

6/5 ?
 1126 KXRX? 96.7 ? "97-FM" Not KXOX??

6/6 Es
 1602 WSTO 96.1 KY Owensboro, ID, r 968
 1605 WDDD 107.3 IL Marion, ads, promos 869
 1606 WYQC 102.9 TN Shelbyville, ads 977
 1608 KFTL 103.1 MN Preston, wx 954
 1614 WEZK 97.5 TN Knoxville, ID, m 1125
 1617 WENS 97.1 IN Shelbyville, ID1627 1058
 1618 WGTG 92.3 IN Bloomington, ID, psa, k 869
 1619 WDDJ 96.9 KY Paducah, ID 1049
 1623 WMAK 92.1 TN Hendersonville, ID 968
 1629 WAIN 93.5 KY Columbia, ID 860
 1634 WCID 94.7 KY Mayfield, r, d-94 1013
 1638 WUME 95.3 IN Paoli, ID 819
 1639 KSTG 97.7 MO Sikeston, ID 932
 1643 WKOQ 100.3 KY Hopkinsville, ID 963
 1650 WAKQ 101.1 KY Russellville, kq-101 963
 1652 CHNM 97.5 MB Winnipeg, ads 1058
 1659 WLSK 100.9 KY Lebanon, ID 990
 1700 WDNS 98.3 KY Bowling Green, ID 824
 1703 WASL 100.1 TN Dyersburg, nx 784
 1704 KHFO 98.1 AR Osceola, ID 968
 1704 WSTX 97.9 TN Nashville, ID 900
 1715 KZLS 97.1 MT Billings, ID 1095
 1720 unID 96.3 ? "Lebanon Cable TN"
 1724 WNBK 93.5 WI New London, wx 977
 1730 WHHI 91.3 WI Highland, University & Park St. "Madison, WI." ment. "Philo Buck Studio.
 1730 KLWD 96.5 WI Sheridan, wx, Cloud-96
 1731 WJMT 93.5 WI Merrill, ID 968
 1739 WNSA 95.1 AL Huntsville, ID 1098
 1743 WLTA 99.7 GA Atlanta, ID 789
 1745 WQXE 100.1 MS Grenada, "B-100" 833
 1748 WOKM 103.5 MS New Albany, WV-103 945
 1750 WDRM 102.1 AL Decatur 1260
 1758 WJOI? 97.1 MI Detroit, pol. ads 1098
 1759 WSB 98.5 GA Atlanta, ID 968
 1803 WLRH 89.3 AL Huntsville, ID 887
 1807 WERH 92.1 AL Hamilton
 1817 92.1 "Heflin, AL"
 2037 KIZN 93.1 ?west calls + "93-FM", k
 2101 KKED 90.3 TX Corpus Christi, ID (tr)
 Es
 2117 KOSO 93.1 CA Fatterson, ads 1071
 "KO-95"
 2121 KZAP 98.5 CA Sacramento, ID 1071
 sounded like "KUAP"
 2124 KROY 96.9 CA Sacramento, ID @2124
 2126 KSBM 102.5 CA Woodland, ID, FM102 1089
 2135 unID 96.9 west "97-rock" KROY??
 766-9797
 tr
 2157 KVND 92.5 TX Pasadena, ID 520
 2229 KIOC 106.1 TX Orange, "K-106" 595
 2230 KWIC 107.7 TX Beaumont, "Quick FM"
 ID @2259 (hasn't moved to 107.9 yet) 574
 2252 KNOR 107.5 TX Ft. Worth, ID 368
 2259 KGOL 107.3 TX Lake Jackson, ID 539
 2302 KRDA 104.5 TX Dallas, "I-104" 368
 2318 KHYS 98.5 TX Fort Arthur, 574
 "kiss-98"
 2320 WJMI 99.7 MS Jackson, ID, "JMI" 772
 2332 unID 105.7 east KHCE? SS ID@2354
 2334 unID 105.5 east TX "Kicks-105", k 262
 2338 KVMX 96.7 TX Eastland, ID 574
 2348 KAYD 97.5 TX Beaumont, ID 605
 2354 KVPV 105.5 LA Leesville, ID

6/7 tr
 0005 KJEF 92.7 LA Jennings, ID, k 664
 0013 KZOM 104.5 TX Orange, calls + "Zoom 104" 1/2" 595
 0014 KJAE 92.7 LA Leesville, ads, k? 605
 2348 KAJN 102.9 LA Crowley, ID, g 679
 2350 KHOM 104.1 LA Houma, k mx radio net 794
 ID @2359
 2354 KIOC 96.1 TX Beaumont, ID 574

6/8 tr
 0007 KAYD 97.5 TX Beaumont, ID 574

6/15 Es
 1719 WHKY 102.9 NC Hickory, \$k?, ads 1260
 1722 WRAL 101.5 NC Raleigh, ads, r 1413
 1724 WFNE 100.1 GA Forsyth 1125
 1726 CKOZ 99.7 ON Tent.
 1729 WQIK 99.1 FL Jacksonville, "QIK" 1300
 ads, k \$
 1737 WPAP 92.5 FL Panama, ads 1071
 1738 WBRK 92.5 KY Owensboro, ID 968
 1742 CFPL 95.9 ON London, "FM 96 Rock" 1364
 1745 WNFQ 94.3 FL Lake City, "94-Q", ads 1247
 1752 WQXM 97.9 FL Clearwater, "98 rock" 1292
 1753 WRFM 97.9 FL Palm Beach, ID 1480

6/16 Es
 0919 WLAR 95.3 OH Norwalk, ads 1260
 0920 WZAK 93.1 OH Cleveland, ads 1310
 0924 WJAI 92.9 OH Eaton, ID 1125
 0929 WELR 99.9 OH Toledo, "K100", k 1215
 0931 WHEH 92.5 OH Toledo, ads, calls 1215
 0934 WAWK 93.3 OH Cincinnati, ID 1125
 0936 WNDU 92.9 IN South Bend, "U-93" 1098
 (note on 93.00 on Akai

6/17 Es
 1708 CBWV 97.9 MB Brandon, nx 1157
 1757 WAEJ 97.7 MI Rice Lake 1049
 1800 KQDE 92.1 MN Waseca, ads, k 916
 "KRWO/KQDE"
 1812 LDHL 95.9 MN Faribault, ads- German oom pah pah mx 936
 1816 WEVR 106.3 WI River Falls, ad+calls @1827 990
 1818 KYRQ 92.1 MN Little Falls, ads 999
 1823 KNNC 105.5 MN Red Wing, "K-Wing" 968
 1826 WQTC 102.3 WI Two Rivers, ads 1139
 1828 WIMI 99.7 MI Ironwood, ID 1143
 1836 WAHC 96.7 WI Oshkosh, "C-97", ads 1080
 1837 WXRO 95.3 WI Beaver Dam, k ID @1839 1053
 1840 WDOI 93.9 WI Sturgeon Bay, ads 1166
 1842 WKKB 92.1 WI Manitowoc, ID 1121
 1845 WYUR 95.9 WI Ripon, ads, ID 1067
 1850 WKRC 102.9 MI St. Ignace, ID, k 1350
 1859 CBSM 89.5 ON Sault Ste. Marie, wx 1103
 1929 WNB1 98.3 WI Park Falls, ID 1215
 1948 WHUH 97.7 MI Houghton, "Stereo 98", ads, "Copper Country"
 1955 KQRS 92.5 MN Golden Valley, ID, r Plus many unid's during opening

6/18 Es
 0815 WABA 107.3 FL St. Petersburg, ID 1300
 0820 WJYO 107.7 FL Orlando, "Joy 108", ID 1359
 0823 WCVV 95.5 FL Ft. Pierce, "FM-96", ID 1449
 0836 WPCV 97.5 FL Winter Haven, ID 1350
 0840 WJCT 89.9 FL Jacksonville, promos 1300

6/18 Es	6/18 Es	6/18 Es	6/18 Es
0909 WCRJ 107.3 FL Jacksonville, k, FM 107	0931 WDDQ 92.1 GA Adel, ads, "Q-92"	1184	
"The New WCRJ" 1300	0932 WDKF 92.1 FL Macclenny, k, ID@0951	1274	
0913 WQRJ 103.9 AL Ozark, ads, "J-103" 1053	0950 WFSU 91.5 FL Tallahassee, ID	1233	
0916 WKTZ 96.1 FL Jacksonville, ID, "FM96"	0954 WQHL 98.1 FL Live Oak, ads	1220	
0924 WJAD 97.3 GA Bainbridge, "96 Rock" 1116	0957 WBCW 98.9 FL Tallahassee, r, ID@1000		
0925 WTVY 95.5 AL Dothan, k, ads, ID 1067	1010 WQIK 99.1 FL Jacksonville, ads	1300	
0926 WJAX 95.1 FL Jacksonville, s, 95X, ads	1013 WPAP 92.5 FL Panama City, k	1071	

Well, I got the JVC VT-900 back from repair, and just in time, too. Es of 6-5 and 6-6 were very intense (6-6 Es to ch. 7). Tropes on 6-6 and 6-7 excellent with most signals reaching full quieting. Need help on KIZN. June Es has been great, so far, with 128 new and 12 days til the end of the month. On 6-18 I had to go to the office (I was an hour late already) and missed some I'm sure. WQIK and WPAP were heard in the car on the way to work. Tropes has slacked off with nothing interesting to report. 6-15 CPFL 95.9 Logging was a surprise as opening seemed to be from the east--my first Ont. station on FM. Until next report, best of DX to all, Jim.

Charles George, 6407 Howard, Dallas, TX 75227

On June 9 at 12:25 am, I managed to get KKED 90.3, Corpus Christi, TX. (A lot of people have been getting that station. DB) They had a program, Nightlife Jazz. At 1:55 until 2:30 am, I was able to receive these stations from Mobile, AL: WABB 97.5 "Gulf's Best Rock", WBLX 92.9 soul/disco, WKRG 99.9 (with contest/IDs between almost every song) It was enjoyable hearing these stations with their hyper presentations as compared with the laid back style of the announcers on the DFW area stations, brought back listening to AMs: KBOX, KLLF, KFDZ, KXOL when they were rockers. 2:30 am, I got WLIN 97.5 (background music) of Jackson, MS. From 2:50 am until conditions faded, I received: KHOM 104.1, Houma, LA (AP country network), WBYU 95.7 (background music), WQUE 93.3 (RKO pop music network), New Orleans.

KERA, Dallas had a fire at their transmitter and was off the air for several days during the week of June 6th. Several of my non-DXing friends even came up with some DXing when tuning to missing KERA. Best of 73's.

Rick Samford, 404 S. McNeill, Burnet, TX 78611 - CST/CDT

1/19 all tr	6/2 tr
2324 KLPQ 94.1 AR Little Rock, wx, Q-94	0637 WKYD 98.1 AL Andalusia, ad
3/25	0639 WOKK 97.1 MS Meridian, k, 97-OKK
0859 KKED 90.3 TX Corpus Christi, c	0645 WSJC 107.5 MS Magee
6/6	0655 WBAM 98.9 AL Montgomery, contest,
0857 KRUX 102.5 TX Lubbock, k, k-102	99-FM nx
0900 KLSR 105.3 TX Memphis, k, TX #225	0843 WZZK 104.7 AL Birmingham
6/8	0847 WLWI 92.3 AL Montgomery, k
0732 WAJY 101.9 LA New Orleans, Joy-102,	0850 WXYL 96.3 MS Jackson, k
wx, ID	0854 WUWF 88.1 FL Pensacola, c
0850 WRNO 99.5 LA New Orleans, rp	0901 WAPI 94.5 AL Birmingham, rp
0859 WBHM 90.3 AL Birmingham, c, same	0902 WAQT 94.1 AL Carrollton, k, Q-94
annr. as when first logged on 4/2/78.	0919 WLHQ 96.9 AL Enterprise, Q-97, ads
0900 WZZK 104.7 AL Birmingham, k, nx	0957 WQEZ 96.5 AL Birmingham
0957 WWOZ 90.7 LA New Orleans, j	1000 WENN 107.7 AL Birmingham, National Black
6/9	Network nx, ID
0634 WRPM 107.9 MS Poplarville, s/on	1001 WPCS 89.3 FL Pensacola
0635 WKMX 106.7 AL Enterprise, KMX	

Very few attempts at serious DXing have been made since my last report, so the results speak for themselves. However, I did manage to snag a little 500-750 mi. trop on June 8 and 9.

George Rogers, 320 Lafayette Rd., Chickamauga, GA

On June 8th I got a letter from you that said I did my DX logging wrong. Well, after reading that letter I decided to do a lot of things to improve my logkeeping. I have decided not to put any mileage figures in my reports. I am taping my FM DX at all times. I am limiting my stations logged per minute to one, and I am basing my DX on the area where the E-skip or tropo is coming from. These four things will help me change my ways of FM DXing. Equipment: GE Superadio. All times EDT.

5/25 tr	6/2 Es
0757 WCKQ 103.9 KY Campbellsville, loc. ad	0856 WPEZ 107.9 GA Macon, local ad, EZ-108
0910 WKPT 98.5 TN Kingsport, m	0900 WTNJ 105.9 WV Mount Hope, k
1020 WAMZ 97.5 KY Louisville, loc. ad	0910 WQOC 102.9 GA Columbus, k
1040 WMAZ 99.1 GA Macon, local ad	0938 WFNE 100.1 GA Forsyth, g
6/2 tr	0948 WKEU 97.7 GA Griffin, m
0855 WDBN 105.3 GA Macon, loc. ad	1002 WGRG 103.9 GA Greensboro, nx, cont.....

6/2 tr	6/7 Es
1010 WETS 89.5 TN Johnson City, c	1640 WJYE 96.1 NY Buffalo, ID, Joy
1014 WELR 95.3 AL Ronanoke, k	1641 WGRQ 96.9 NY Buffalo, r, 97-rock
1040 WAFB 98.1 LA Baton Rouge, ad	1642 CFMP 101.5 ON Peterborough, ad
Es	1643 WTHR 102.9 NY Syracuse, g
1940 WWVL 93.9 FL Miami Beach, r	1644 WBOZ 101.3 NY Rochester, m
6/6 tr	1646 CBF10 101.1 PQ Sherbrooke, FF
2020 WMC 99.7 TN Memphis, ad, FM-100	1647 WVPR 89.5 VT Windsor, c
three others from Memphis	1649 CJBX 92.7 ON London, k, BX-92
2025 WOKK 97.1 MS Meridian, loc. ad	1655 CHAT 101.9 ON North Bay, k, c-cat
97-okk	1656 CKO2 99.1 ON Toronto, nx
2105 WUAL 91.5 AL Tuscaloosa, j	1657 CBFM 99.9 ON Toronto, mr
2110 WZXR 102.7 TN Memphis, pr, Rock 103	1659 CKOT 101.3 ON Tillonsburg, m, \$-101

6/7 tr (A huge day!)

0836 WSJC 107.5 MS Magee, k	1736 CIGM 92.7 ON Sudbury, c
0838 WXBW 102.7 FL Milton, k	1715 WBBN 102.5 NY Buffalo, p, rock-102
0856 WABB 97.5 AL Mobile, wx	1720 CILQ 107.1 ON Toronto, P, Q-107
0857 WBEZ 97.1 LA New Orleans, nx, B-97	1733 WNCQ 97.5 NY Watertown, Alex Bay ad
0858 WTYX 94.7 MS Jackson, wx, 94-Ticks	1734 WIGS 95.3 NY Gouverneur, local nx
0900 WSTG 106.3 AL Sheffield, g	1736 CIGM 92.7 ON Sudbury, k
0908 WKSJ 94.9 AL Mobile, sports nx	1738 CCBP 93.5 ON Petersborough, CBC sports
0909 WKRG 99.9 AL Mobile, p, G-100	1740 CPFL 95.9 ON London, traffic nx
0912 WAJY 101.9 LA New Orleans, m, Joy-102	1741 CJFM 95.9 PQ Montreal, ads, FM-96
0919 WAFB 98.1 LA Baton Rouge, loc. ads	1743 CHAY 93.1 ON Barrie, ads, \$-93
0920 WJDQ 101.3 MS Meridian, ad, Q-101	1800 CBON17 95.1 ON North Bay, FF nx
0930 WQQQ 107.3 GA Columbus, p, 107-Q	1806 CBCN 96.1 ON North Bay, CBC nat. nx
1017 WQXY 100.7 LA Baton Rouge, m	1811 CBCO52 96.7 ON Pembroke, CBC nat. nx
1019 WMC 99.7 TN Memphis, p, FM-100	1814 CFMK 96.3 ON Kingston, k
1022 WTVY 95.5 AL Dothan, k	1822 CJHF 94.9 PQ Hull, FF ad
1029 WFMO 99.1 MS Pasagoula, m	1835 CFMQ 93.9 ON Ottawa, ads
1030 WBIP 99.3 MS Booneville, wx, o/WQMT	1849 CJMF 93.3 PQ Quebec City, FF ad
1035 WZLO 98.5 MS Tupelo, loc. ad, Z-99	1900 CEJ3 93.1 PQ Dolbeau, ID
1040 WKRA 92.7 MS Holly Springs, loc. ad	1920 CBON22 93.7 ON Geraldton, FF mr
1044 WKZB 95.3 MS Drew, p	1923 CBWX 94.7 NB Fisher Branch, CBC nx
1156 WHHY 101.9 AL Montgomery, loc. ad, Y-102	1934 WNL 93.9 FL Miami Beach, mr, Love-94
1335 WPAP 92.5 FL Panama City, ad	1947 CBJ7 92.7 PQ Cap Aux Meules, FF talk
1400 WOFM 94.9 TN Greenville, ID	2000 WKKQ 93.9 MN Hibbing, k, The q

Es (What a opening!)

1510 WKGL 92.7 NY Middletown, k	2016 KKHJ 93.9 SD Rapid City, local ad
1511 WKVT 92.7 VT Brattleboro, ID	tr
1513 WSRG 96.1 MA Worcester, ad	2104 WCFC 93.9 MS Houston, UPI nx
1514 WVOS 95.9 NY Liberty, loc. ad	
1515 WNYZ 92.5 CT Waterbury, loc. ad	
1516 WPAR 88.5 CT Danbury, r, 118 w.	
1517 WHRB 95.3 MA Cambridge, talk	
1520 WGOY 93.7 MA Lawrence, loc. ad	
1521 WBOS 92.9 MA Brookline, r	
1522 WCWL 91.3 MA Stockbridge, gr	
1523 WRUT 97.1 VT Rutland, ads, \$-97	
1525 WRXA 98.9 ME Brunswick, k	
1526 WGAN 102.9 ME Portland, m	
1529 WABK 104.8 ME Gardiner, loc. ad	
1530 WOXO 92.7 ME Norway, loc. ad	
1531 WGTU 93.5 MA Nantucket, p	
1532 WYUT 92.7 NY Herkimer, big band	
1559 WPBC 92.9 ME Bangor, nx	
1604 WHCF 88.5 ME Bangor, g	
1605 WHEA 90.1 ME Portland, c, MPBN	
1606 WMEH 90.9 ME Bangor, c, MPBN	
1607 WDEA 95.7 ME Ellsworth, wx	
1608 WCBFM 91.3 NB Fredrickton, nx	
1619 WHWB 98.1 VT Rutland, wx, k-98	
1622 WTMS 96.1 ME Presque Isle, ad	
1625 WJBQ 97.9 ME Portland, ID, B-J	
1627 WHFM 98.9 NY Rochester, p	
1628 WIGY 105.9 ME Bath, r, Y-106	
1629 WFOR 101.9 ME Portland, k	
1632 CBFU 95.5 PQ Harrington Har, c	
1639 WFLR 95.9 NY Dundee, local ad	

6/8 Es

1203 WZZR 95.7 MI Grand Rapids, p	0926 WLOV 100.1 GA Washington, mr
tr	0938 WEPB 90.1 SC Greenville, SCFPM, ID
1218 WWR 89.1 VA Roanoke, nx	1005 WLTR 91.3 SC Columbia, c
1412 WKKQ 93.9 MN Hibbing, k	6/10 Es
1415 WLS 93.1 KS Pratt, local ad	1820 WDAY 93.7 ND Fargo, m
6/9 tr	1847 KSDN 94.1 SD Aberdeen, m, \$-94
0920 WCOS 97.9 SC Columbia, k, great-98	1848 WYTN 94.7 ND Grand Forks, p
0922 WEFM 98.1 SC Seneca, g	1850 KQAA 94.9 SD Aberdeen, ads
0925 WDDN 101.3 SC Sumter, s	1858 KARR 93.7 IA Carroll, wx
0926 WLOV 100.1 GA Washington, mr	1919 WLEO 92.5 SD Sioux Falls, m
0938 WEPB 90.1 SC Greenville, SCFPM, ID	1932 KIDA 92.7 IA Ida Grove, AEC nx
1005 WLTR 91.3 SC Columbia, c	1935 KCFX 92.7 SD Peirce, ads (?? recheck, DX)

6/10 Es

1820 WDAY 93.7 ND Fargo, m	0725 WNC 99.7 TN Memphis, nx
1847 KSDN 94.1 SD Aberdeen, m, \$-94	0735 WHOP 98.7 KY Hopkinsville, nx
1848 WYTN 94.7 ND Grand Forks, p	0740 KSSN 95.7 AR Little Rock, k
1850 KQAA 94.9 SD Aberdeen, ads	0915 KLAZ 98.5 AR Little Rock, p
1858 KARR 93.7 IA Carroll, wx	0932 WCFC 93.3 MS Houston, farm nx, cont...
1919 WLEO 92.5 SD Sioux Falls, m	
1932 KIDA 92.7 IA Ida Grove, AEC nx	
1935 KCFX 92.7 SD Peirce, ads (?? recheck, DX)	
1944 WYTR 93.7 SD Winner, local ad	
6/11 tr	

6/11 tr, cont.
0935 WXXG 94.9 TN Livingston, nx
0938 KYAY 103.7 AR Little Rock, p
1002 WJBB 92.7 AL Haleyville, nx
1013 WDFB 103.9 TN Jamestown, g
1130 KMAC 99.1 AR Fort Smith, nx
2130 WJRN 104.1 TN Jackson, k
6/14 Es
1330 XHGL 97.7 YU Merida, ad, S1
1335 XHMT 98.5 YU Merida, ads, S1
1345 XHAY 100.3 Jal Guadalajara, S1
6/15 Es
1715 KSDN 94.1 SD Aberdeen, wx
1718 RYYI 92.9 ND Bismarck, p, Y93
1720 KQDY 94.5 ND Bismarck, wx, KQ94
1723 KRCR 93.3 IA Des Moines, nx
1725 KAAA 94.9 SD Aberdeen, ad, KQ95
1728 KELO 92.5 SD Sioux Falls, m
1730 KARC 93.5 SD Sioux Falls, ad
1737 KWOA 95.1 MN Worthington, ad
1740 KALO 96.9 SD Watertown, ad
1752 KTPR 91.1 LA Fort Dodge, NPR nx
1756 KRCS 93.1 SD Sturgis, ads
1805 KROK 94.7 MN Morris, m
1821 LIXX 96.1 SD Watertown, ad
1824 KBCN 95.5 IA Sioux City, ad
1837 KSDY 95.1 MT Sidney, ads
1840 KOLY 99.5 SD Moberge, m
1844 KMYR 93.7 SD Winner, ad
1845 KIZZ 93.7 ND Minot, p, Z-94
1900 KRL 93.7 IA Carroll, wx
1920 KFBQ 97.9 WY Cheyenne, ad, Q-98
1922 KJSK 97.5 NE Chadron, loc. ad
1957 WIAT 93.1 NJ Paterson, nx
1959 WOGY 93.7 MA Lawrence, old r
2000 GIGR 92.7 ON Sudbury, nx
2015 WGCX 93.1 ME Portland, p
2028 WDAY 93.7 ND Fargo, local nx
2030 KGCN 93.1 MT Sidney, ID, CH-93
2040 WDEA 95.7 ME Ellsworth, R. S. BB

6/16 tr
0930 WBFM 98.1 SC Seneca, nx
0934 WZCZ 104.7 NC Charlotte, m
1006 WTQR 104.1 NC Winston-Salem, wx

6/17 Es
2008 CRSEB? 93.5 ON Kenora, FF, c
2011 KOLL 93.5 WY Gillette, ad, 93-Rock
2023 LHDM 95.3 MT Hardin, mr
2025 KRHJ 93.9 SD Rapid City, m, FM-94
2035 KVSF 97.9 SD Rapid City, g
2038 KXKE 101.3 MT Forsyth, AP nx, FM-101
2105 KBAT 93.3 TX Midland, k
2125 KSDY 95.1 MT Sidney, k, Country-95
2140 KLAN 96.1 ND Williston, ANC nx
2222 KIZZ 93.7 ND Minot, wx

6/18 Es
0949 KHRR 102.5 TAM Reynosa, SL, loc. ad
0952 KTFM 102.7 TX San Antonio, nx
1002 KHRL 98.1 NL Monterrey, SL NX
1004 XBT 94.1 NL Monterrey, SL nx
1005 KBNL 94.9 NL Monterrey, SL nx
1013 KBNL 91.7 NL Monterrey, SL nx
1015 KHRK 95.7 NL Monterrey, SL nx
1025 KJNL 92.7 TX Eagle Pass, ad
1030 KHSRC 92.5 NL Monterrey, SL, p
1842 KPKC 95.7 CO Denver, concert ad

6/20 Es
2140 KKRC 93.5 SD Sioux Falls, p
2145 KKRL 93.7 IA Carroll, pr
2151 KDLO 96.9 SD Watertown, area ad
2152 KBCN 95.5 IA Sioux City, area ads
2155 KCEZ 97.9 IA Sioux City, ABC nx
2157 KHOR 92.9 NE Scottsbluff, ad, FM-93
2158 KNEB 94.1 NE Scottsbluff, k, FM-94
2159 KQSK 97.5 NE Chadron, p, Q-98
2159 KYZE 93.7 KS Salina, NBC nx, KY-94
2159 KFNF 101.1 KS Oberlin, AP nx
2159 KYGO 98.5 CO Denver, movie ad
2159 KYNR 99.9 CO Pueblo, local ada
2159 KRDO 95.1 CO Colorado Springs, m
2159 KILQ 93.9 CO Colorado Springs, p
2159 KLMR 93.3 CO Lamar, local ad
2159 KCCY 97.9 CO Pueblo, local ad
6/21 MS
1745 WFLS 93.3 VA Fredricksburg, ID
6/22 Es
0826 KJSJ 97.5 TX San Angelo, SL
0830 KBAT 93.3 TX Midland, k
0835 KUFO 97.9 TX Odessa, r
0838 KQIP 96.9 TX Odessa, talk, Super q
0839 KAMZ 93.1 TX El Paso, sports, ZFM
0843 KLAQ 95.5 TX El Paso, pr, The Q
0845 KSET 94.5 TX El Paso, p
0847 KHBY 96.3 TX El Paso, k, Y-96
0847 KEZB 93.9 TX El Paso, ads
1025 KATK 92.1 NM Carlsbad, p
6/23 Es
1524 XHGL 97.7 YU Merida, m, SL
2029 XHMT 98.5 YU Merida, SL, ID
2129 WSNE 93.3 MA Taunton, ID
2129 WLVB 93.7 CT Hartford, SL nx
2129 WCGY 93.7 MA Lawrence, old r
2129 WJSS 95.7 CT Hartford, m, Kiss
2129 WINE 95.1 CT Brookfield, ad, I-95
2129 WMAS 94.7 MA Springfield, p
6/24 Es
2050 KELT 94.5 TX Harlingen, k
2203 XHAAA 93.1 TAM Reynosa, SL, mr
2207 KTWV 96.1 TX Harlingen, SL
6/25 Es
1153 KWLS 93.1 KS Pratt, ABC nx
1143 WHAV 92.5 MA Haverhill, AF nx
1121 WDAY 93.7 ND Fargo, m, FM-94
1153 WWUS 93.5 FL Big Pine Key, ads
1153 CFKQ 93.9 ON Ottawa, ad
1159 WRGX 93.1 ME Portland, p, Magic
1157 KTYN 94.7 ND Grand Forks, r, y-95
1255 WPMK 99.1 MI East Lansing, ad
1255 WRGQ 98.1 MI Saginaw, local ad
1255 WCUZ 101.3 MI Grand Rapids, local ad
1255 WJHL 98.9 MI Petoskey, wx
1255 KKOK 95.7 MN Morris, local ad
1255 WNIR 100.1 OH Kent, local ads
1255 WLDR 101.9 MI Traverse City, ad
1255 WZLR 98.5 NY Nlagara Falls, ad
1255 WIDG 102.9 MI St. Ignace, local ads
1255 WLFM 91.1 WI Appleton, p
1255 WCGS 91.3 MI Grand Rapids, c
1255 KDSU 91.9 ND Fargo, promo
1255 KCCM 91.1 MN Moorhead, NPR prog.
1255 WRDN 95.9 WI Durand, area band ad
1255 CHON 97.7 PQ Montreal, local
1255 KRXL 92.9 ND Grand Forks, k, Top 10
1255 WXYZ 101.5 PA Waynesboro, k, Top 10
1255 WVVV 102.7 WI Suring, Rel, Drama
1255 KQAA 94.9 SD Aberdeen, ad, CONT.....

6/26 Es, cont.
1255 WJNR 101.5 MI Iron Mtn. p
1258 WDUZ 98.5 WI Green Bay, ABC nx
1304 KFVN 97.9 ND Fargo, UPI nx
1305 KLSJ 93.3 ND Jamestown, ID
1307 KLGR 97.7 MN Redwood Falls, ad
1309 WKKQ 93.9 MN Hibbing, local ad
1310 KVOX 99.9 MN Moorhead, wx, k-100

Total Chickamauga log: 745, total overall log 1753. Fm DX has been very good this season with 13 days of FM Es so far this month. I need help with the location of KRIE at 92.7. It's a middle of the road station. I got the ID on tape, but I don't know where it's from. My goal is still 2000, and I'm hoping for a big FM E-skip in July. Again, I'm sorry for my bad logkeeping. I am doing better. Remember in 1982 FM-DX will come thru! (George indicated most of his loggings were either taped with an ID or heard with an ID. DB)

Danny Buntin, 1312 N. Skyline, Stillwater, Ok. 74074 - 6/7 to 7/6 EDT
Equip: Pioneer TX-9100 tuner, Antennacraft 10 el. antenna, 30 ft. high w/rotor.

6/27 Es
1659 WRVS 95.1 MD Baltimore, ID
1711 WASH 97.1 DC Washington, ID
1715 WHOM 94.9 NH Mount Washington, ID 1470
1722 WYST 92.3 MD Baltimore, ad 1125
1727 WAYV 95.1 NJ Atlantic City 1250
1730 WFFC 96.9 NJ Atlantic City, ads
1734 WJGM 103.7 NJ Atlantic City, ads, ID
1737 WTVR 98.1 VA Richmond, nx 1100
1751 WNAV 99.9 ME Auburn, Wave 100, ads (state #48 and my most distant Es) 1520
1755 WGAN 102.9 ME Portland, ID 1510
1758 WNDX 101.1 DC Washington, OK-101
1806 WJFX 106.7 MA Boston, Magic 106, ID 1455
1809 WLFH 102.3 VT St. Albans, ID 1400
1815 WKHI 99.9 MD Ocean City, 100 KHI, ads
1830 WSSH 99.3 MA Lowell, ID, ads 1455
1835 WOWI 102.9 VA Norfolk, Wowie 1110
1850 WFTX 97.7 MD Lexington Park, ID
1854 WFLS 93.3 VA Fredericksburg, ad 1100
1859 WTRU 91.3 VA Charlottesville, ID 1040
1900 WQVC 95.3 VA Charlottesville, ID
1902 WAER 88.3 NY Syracuse, ID, b-game 1200 tr
1955 WONO 89.9 LA New Orleans, ID 590
2359 KVLU 91.3 TX Beaumont, ID 460

6/8 tr, cont.
0002 KRRV 100.3 LA Alexandria, ID, k 430
0014 KKKZ 107.5 LA Ruston 360
0019 KWIC 107.7 TX Beaumont, r, strong 460
0027 KZOM 104.5 TX Orange, Zoom 104 1/2, ads
0037 KIEP 95.5 TX Diboll, "Hipper", ID, k
0041 WRNO 99.5 LA New Orleans, ID, r 590
0057 WBEI 105.9 TX Memphis, ID, m 410
0059 WZBZ 97.1 LA New Orleans, ID, r B-97
0109 KJCS 103.3 TX Nacodoches, ID 415
0114 WXLV 96.3 MS Jackson, k, ID 480
0010 KHCB 105.7 TX Houston 460

6/9 tr
0015 WXLV 96.3 MS Jackson, ID 480
0057 WQNZ 95.1 MS Natchez 460
6/13 Es
2015-2100 up to 94.5, no IDs tr
2351 WKYV 106.7 MS Vicksburg, ad, KYV 445
6/15 Es
1759 WZZZ 92.7 MI Flint, ID
1800 WVIC 94.9 MI East Lansing, ID, r
6/16 Es
0854 KDXT 93.3 MT Missoula, XT-93, ads
2030 KNAQ 92.1 ID Rupert, ID, Q-92

6/26 Es
1311 WIFC 95.5 WI Wausau, ad, 95-IFC
1312 WMMH 95.9 WI Minoqua, local ad
1315 WIMI 99.7 MI Ironwood, ad
1316 WSPT 97.9 WI Stevens Point, ID
1324 KQWB 98.7 MN Moorhead, ads, Q-98
1330 KYCK 97.1 MN Crookston, k
1335 KBHO 93.5 MN Benson, local nx
1357 WSCD 92.9 MN Duluth, talk

6/26 Es
2200 KHRE 96.7 OK Comanche, ID, k, \$, new
6/17 Es
2200 WHSA 89.9 WI Brule, ID, prev. by tr 790
6/25 Es
2100 WUCF 89.9 FL Orlando, ID 1070
2125 WSHS 103.5 FL Ft. Lauderdale, 103 She
6/26 Es
0955 WRIC 88.1 NC Raleigh 1060

6/26 Es
1004 WOBR 95.3 NC Wanchese, ID, m
1009 WNOR 98.7 VA Norfolk, ID 970
1011 WMBJ 95.9 NC Moorehead City
1023 WQSM 98.1 NC Fayetteville
1030 WPAT 93.1 NJ Paterson, ID, m
1032 WZLW 94.3 NC Wallace
1035 WAZZ 101.9 NC New Bern, ID, wx
1035 WGIN 102.7 NC Wilmington, ID
1039 WSFL 106.5 NC Bridgeton, ID
1055 WADR 101.3 VA Hampton, 2nd
1101 WETA 90.9 DC Washington 1105
1105 WUIC 88.7 OH University Heights, ID
1110 WUVU 107.7 NY Wethersfield, ID
1116 WRRB 107.9 NY Syracuse, ID
1125 WSUX 98.3 DE Seaford, ID 1200
1128 WFWA 101.5 VA Fredericksburg
1137 CKFM 99.9 ON Toronto 1110
1145 WDSY 107.9 PA Pittsburg, ID 990
1158 WKSU 88.7 OH Kent 935
1159 WAUP 88.1 OH Akron
1200 WBBU 109.1 MI Ypsilanti, ID
1210 OKO 106.9 ON Ottawa, ID
1214 WILQ 105.1 PA Williamsport, ID
1220 WFOZ 99.9 NY Cortland, IL 1205
1222 WQYT 98.1 NY Binghamton, ID 1230
1231 WICG 106.3 MI Saginaw, ID

6/30 Es
1032 WBNF 88.5 FL Tampa, ID 1040
1041 WCVU 94.5 FL Naples, ID, m, Seaview
1045 WWSA 107.3 FL St. Petersburg, ID, m
1050 WFFY 107.9 FL Panama City 990
1057 WYMF 94.9 FL Tampa, 95YMF
1100 WQIE 91.3 FL Lakeland, ID, E
1110 WJCT 89.9 FL Jacksonville, c, ID 990

7/3 tr
2200 WKYV 106.7 MS Vicksburg, k 445
7/4 tr
2130 KPMV 107.9 AR Magnolia, ID, E 300
Logging 48 states took 8 1/2 years to accomplish. Getting the last two states I lack, AK & HI, is bound to take much longer.

EASTERN TV-DX

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

August 1982

William Hepburn; continued---

Eastern TV-DX

August 1982

Robert Ross; Box 4373 Stn. C, London, Ont. N5W 5J2 EDT? Deadline: 1st

May 1982	May 1982	May 1982
10 Tr 2058 WFMJ-21 OH 135	10 Tr 2128 WXON-20 MI 120	14 Tr 0729 WTRF-7 WV 200
2103 WAKR-23 OH 130	14 Tr 0710 WVED-17 NY 125	0732 WCPO-9 OH 320
2106 W67AL(WVIZ)130	0713 WPTT-22 PA 180	15 Tr 0405 WQPR-62 MI 120
W64AF " 80	0715 WGTG-30 OH 150	0410 CFMT-47 ON "
2110 WCLQ-61 OH 100	0717 WUHQ-41 MI 210	0430 WJAN-17 OH 150
2115 WUAB-43 OH "	0720 WBAO-49 OH 130	
2120 WKEN-27 OH 135	0725 WNEO-45 OH "	18 Tr 0319 WIBV-4 NY 125
2124 WVIZ-25 OH 100	0727 WPGH-53 PA 180	

Equipment: Toshiba 12" tv; UHF Flying Arrow ant.

Saul Chernos; 79 Ridge Drive, Toronto, Ont. M4T 1B6 EDT? All DX seen in Burnt River, Ont.

June 1982	June 1982	June 1982
2 Ms 0540 WTKR-3 VA 570	7 Es 1928 WDSU-6 LA 1225	8 Es 1930 KTCA-2 MN 725
Norfolk	New Orleans	1935 CKPR-2 ON 580
(was WTKR-wd)	1930 KALB-5 LA 1220	Thunder Bay
Es 1930 WBRZ-2 LA 1230	Alexandria	1954 CBWFT7-2 ON 845
3 Ms 0546 WEAR-3 FL 1120	1955 WWL-4 LA 1225	Kenora
Pensacola	8 Es 1727 KSNB-4 NE	1955 CBWFT2-4 MB
0553 KYTV-3 MO	1730 KTIV-4 IA 1010	Lac du Bonnet
Es 2100 WTVY-4 AL 1025	Sioux City	9 Es 1930 Unidsed on ch.2
Ms 0614 WRCE-3 TN 775	KNOP-2 NE 1165	10 Es 1859 KDFW-4 TX 1305
Chattanooga	CBWT-6 MB 965	1930 WBRZ-2 LA 1230
6 Es 1745 WPBT-2 FL t	Winnipeg	1931 WWL-4 LA 1225
1802 WESH-2 FL 1110	1825 KSTP-5 MN 725	2000 WMAB-2 MS
1810 KQTV-2 MO	St. Paul	2058 WPBT-2 FL 1340
1845 WEDU-3 FL t	1830 KXON-5 SD 985	11 Es 1805 WTVJ-4 FL 1345
1856 WFMY-2 NC 620	1900 KPRY-4 SD	1811 WSB-2 GA 840
Greensboro	KGFE-2 ND 930	1812 WESH-2 FL 1110
1858 WCRD-2 SC 850	Grand Forks	1817 WPTV-5 FL 1280
Charleston	1901 CKYP-4 MB 1090	1830 WPBT-2 FL 1340
1911 WWAY-3 NC 745	Brandon	13 Es 1300 " " "
Wilmingon	CKX-5 MB 1090	2100 WWL-4 LA 1225
1928 KUSD-2 SD 940	Brandon	2202 WESH-2 FL 1110
7 Es 1928 WERC-6 AL 910	1903 CBWFT-3 MB 965	2306 WPBT-2 FL 1340
Birmingham	Winnipeg	
WJRP-6 GA 825	1907 KDLH-3 MN 685	
Augusta	Duluth	

"The first few days of June have been good. June 7 was muf 107.9 at least & most time spent on FM. On June 8th muf was 104.9 but only for 1/2 hour. The Ontario Es was a nice surprise; Thunder Bay is only 580 mi. away. Would have been a nice time for 2Es but none noticed. Also a lot of the pests. I may even ask to have WET's schedule put in our local TV Guide. WPBT, WESH & WBRZ are the worst on 2 and WTVJ and WTVY the worst on 4. Three is hard to DX due to nearly CKVR but DX can be done if it's in strong enough. Totals now at 146 and may this continue. Seventy Threes."

William R. Hepburn; c/o Transport Canada Training Centre, 1950 Montreal RD., Cornwall, Ont. K6H 6L2 EDT

"This year's Es season has yet to start for me. It's already June 1st. This is my first year of DXing with no May Es. Perhaps being 250 miles NE of my usual qth has something to do with it. Hope others are having better luck. A friend in Vancouver had FM Es on May 15th. Some tropo though top distance only 250 miles. So far my Cornwall record: log totals a slim 55." (All loggings are new-wd)

May 1982	May 1982	May 1982
5 Tr 2131 WTVH-5 NY 150	13 Tr 2238 WENG-12 NY 205	26 Tr 2319 WROC-8 NY 195
11 Tr 0624 WKTU-2 NY 135	2339 WSKG-46 NY "	2320 WOKR-13 NY "
0625 WHEC-10 NY 195	2343 WICZ-40 NY "	2323 WUTV-29 NY 245
1744 WIXT-9 NY 150	2345 WMGC-34 NY "	2324 CHLFT-25 ON 250
2056 WUTR-20 NY 135	26 Tr 0714 CJOH6-6 ON 135	2334 CICA-19 ON "

May 1982

26 Tr 2336 CHLFT14-32 ON 108
2338 CHLFT12-44 ON 190
2344 CFMT-47 ON 250

May 1982

26 Tr 2347 CKGN22-22 ON 230
2349 WCDC-19 MA 185
2352 CBFT1-11 PQ 98

May 1982

27 Tr 0020 W64AG NY 97 (WUTR)
0051 CHLFT13-15 ON
0655 CKGN22-22 ON

Equipment: RCA tv with rabbit ears + bow tie on 4th floor. *P.S.-Still have yet to get CKGN-6 in Ottawa only 60 miles away. CBMT, WRGB, & CJOH dominate the channel."

Saul Chernos; 79 Ridge Drive, Toronto, Ont. M4T 1B6 EST-EDT?

December 1981	January 1982	January 1982	January 1982
28 Es 1910 WBRZ-2 LA 1	1 Es 1702 WSB-2 GA 1	1 Es 1703 WDIQ-2 AL 1	1704 Es WTVY-4 AL
30 Es 1234 WESH-2 FL			

May 1982	From Toronto, Ont.:	May 1982	May 1982
5 Es 1530 WBRZ-2 LA	Baton Rouge	5 Es 1555 WLBT-3 MS t	5 Es 1706 KBTX-3 TX Bryan

The Burnt River Es were my first ever there in winter; (I've had once in T.O.). The T.O. Es of May 16 included an ad for "Jackson ?". This could be the 3 there (MS) but Jackson is a popular name and could be attributed to other stuff. Interestingly enough, WLBT happened to be right in the target area, but I won't count it. By the way, I saw the ad twice in a very short time span. Another little surprise. I had a TV-8 carrying Billy Graham's show tonite (June 1st). Since CBS was carrying it (it is (did) as far as I know), I checked 8 for CBS' to the South, SW, SE. Only possibility was Charleston, WV. (I didn't know those broadcasts were carried exclusively by one network, I thought any one who wanted could pick up the broadcast.-wd) Was I ever surprised to see WROC-8 NY I.D.! They're NBC. (Local WFRV-5 was carrying it here.-wd). The CBS (WHEC-10) opted to drop the Graham Special & WROC, despite being part of NBC, grabbed it. Yet, WROC, to do this, had to drop their own NBC feed. This could be confusing to the unwary DXer and a heck of a good reason not to count a station by network alone. On the same topic, though dealing with FM, I notice NPR carries CEC Radio's "As It Happens". Try to wait for a CEC I.D. before you think you've logged Canada. Enough said, it's June 1st and no sign of Es for about a week. Of course, this means an actioned packed July! (I hope so.-wd)

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

May 1982	June 1982	June 1982
11 Es 1600 KPRC-2 TX 1210	6 Es 1520 WREL-3 GA 814	8 Es 1900 CKPR-2 ON 590
12 Es 1230 KUSD-2 SD 851	1532 WJXT-4 FL 830	Thunder Bay
14 Tr 2236 WNDU-16 IN 318	1632 WWL-4 LA 1005	13 Es 1330 WTVJ-4 FL 1098
15 Es 1844 WPBT-2 FL 1098	1825 WMC-5 TN 723	2330 WLBT-3 MS 882
18 Es 1900 KTWO-2 WY 1322	1902 WLBT-3 MS 882	14 Es 0900 WPBT-2 FL 1098
1928 KTVS-3 CO 1184	8 Es 1159 WBRZ-2 LA 1020	2130 WESH-2 FL 902
2000 KDIX-2 ND 1169	1200 WPBT-2 FL 1098	15 Es 1920 WBRZ-2 LA 1020
2230 KOA-4 CO 1292	1259 KATC-3 LA 1056	2000 KETS-2 AR 925
22 Es 1918 KNOP-2 NE 1066	1300 KJAC-4 TX 1124	2030 KJRH-2 OK 943
24 Es 1928 KTVS-3 CO 1184	1329 WLBT-3 MS 882	17 Es 2200 KCKT-2 KS 1015
	1330 WEDU-3 FL 998	2300 KTVS-3 CO 1184

Equipment: Sylvania 24" tv (1976); ant.-Areher VU 160; Servo Rotor. Totals: 283 received, 215 verified.

Robert Goodman; 2030 Haring Ave., Bronx, NY 10461 EDT

Everything is new except WXXX, WJZ, WEAR & WLBT-wd.

May 1982	May 1982	June 1982
7 Tr 2100 WAAT-40 NJ 130	7 Tr 2230 WBOC-16 MD 200	7 Ae? 1655 WBBM-2 IL tent.
WXXX-20 CT 80	2235 WYAH-27 VA 310	1900 WISC-3 WI 800
2130 WCPB-28 MD 200	8 Tr 0540 WJZ-13 MD 190	1928 KIMT-3 IA 1000 t
2150 WLVT-39 PA 80	15 Es 1536 WEAB-3 FL 1050	15 Es 1958 WLBT-3 MS 1050
2215 WWAC-53 NJ 110	31 Es 1630 " " "	WBRZ-2 LA 1200 t

Plus numerous Es unIDs on the Es days, of course. The tentative loggings on ch.2 were under WCBS-2. The one tentatively assigned to WBRZ beat at only about 0.2 hertz to WCBS, as seen by polarity reversals.

June 7 skip followed a solar flare, and the MUF was through FM (according to Eric Fader), but occurred at a date and time when sporadic E isn't unexpected, hence the "Es(Ae?)" for prop. Indoor antennas only. (In answer to your P.S.; my grandfather came from Sturgeon Bay many moons ago and we still have a few relatives up there. Most, however, are deceased.-wd)

Steve Sprachman; 3939 Eve Drive, Seaford, NY 11783

"I have gone and returned from the American Southwest. What a beautiful part of the country. If you haven't been to Arizona and Southern Utah, I strongly recommend that you take a trip there.

DXwise, there was some. These stations are on the air: WKOI-43, Richmond, IN with programs from the Trinity Broadcasting Network (of KTEH-40 Los Angeles fame). Other TEN stations seen; KPAZ-21 Phoenix (and translators K62BA Flagstaff and K57-- Tucson.) and KTEO-14 Oklahoma City (they are not listed in TV Guide). TEN is in the process of purchasing WFII-54 Poughkeepsie, NY. They said it will cover New York City. I guess they would either raise the station s' power or move the transmitter. Also on (but not seen) WOAC-67 Canton. They are listed in the Youngstown-Erie TV Guide.

DXing on a motel TV is a real experience. If it has a working UHF dial, there is no UHF antenna. I did get some trop on May 19th in Effingham, IL. between 6 and 11 P.M. Stations seen: WCIA-3, WTTV-4, WTVW-7, WISH-8, WSIU-8, KETC-9, WICD-15, WAND-17, WICS-20, WVUT-22, WDDD-27, (does anyone know if they're still on; since that tornado moved through there?-wd), WBAK-38, WTWO-2, WTHI-10, WUSI-16. St. George, UT was also interesting. Received on the motel TV were 16 translators rebroadcasting 5 different stations.

My TV Guide collection is increasing. I picked up 21 editions of TV Guide, one TV News (from Indiana) and the National Edition of Tele-Guia from Mexico. (Are local editions like TV Guide? If so, what are they? Can any experienced Mexican DXers or travelers fill me in?

The vacation was great, but I had to come home (and worse, go back to work!). I left with trop almost every night. Since I got home, DX has been nearly nil. I hope I didn't miss any great openings while I was away.

That's it for now. Hope everyone is having a great summer. P.S.--next year Europe."

Frank Merrill; P.O. Box 7207, Toledo, OH 43615 EST-EDT (419)-866-8589 anytime.

3/20 Tr 1843 WMAA-17 MI Grand Rapids 150 mi.
22 Tr 0433 WMSM-4 TN, Nashville 420 mi., faded in for about 50 seconds; didn't really act like MS burst as signal was stable.

Ms 0451 WMSM-4 TN, previously by tropo. They run a character-generated "able news type" all nite.
4/14 Tr 1900-2000 WKMU-21, WFIE-14, WUSI-16, WKMA-35(cec only), WAND-17, WNED-17, WICD-15, WANE-15, WQRF-39.
2300 W65AH, W66--, repeating WABO (you mean WEAO-wd) or WNEO (is this possibly another situation where W65AH, which relays WOUC-44 is also picking up WNEO-45, which relays WEAO, and kicking it up to the next channel??), WFNE-38.

15 Tr 0200 KDNL-30, WLYH-15, WISC-3, WQAD-8, WLUK-11, WREX-13, WCIA-3,
5/11 Es 1430-1700 KMID-2, KFDX-3, KRGV-5, XEPB-3 tent., KIII-3, KPRC-2;
2014 Cuba-3

15 Es 1855 CM--6 Cuba, Havana; 1320 finally caught a parallel to Cuba-3
after many years of trying to do so!
1800-2000 WEAR-3, WKRQ-5, Cuba-5, WPTV-5, WCIX-6, WEDU-3, WPBT-2
16 Es 1528 KTBS-3; 1800 KPRC-2, KIII-3, KRGV-5.

17 Tr 0650-0700 WBOY-12, WPEY-33, WTAP-15, WHIZ-18, WLYJ-46, WHME-46.
18 Tr 0121 WOAC-67 OH, Canton, s/off 140 mi.
19 GW 0339 WKOI-43 IN, Richmond s/off, "just what I need, another pest" 150mi
Es 2043 KENW-3 NM tent.

6/2 Es 1856-1900 X??-3 Mexico Oko ad (el mejor in todo el Mexico), vota asi 4 de julio, "Television 3, el canal de las estrellas", soap opera with Alberto Vasquez. Not XEPB per telephone call to them!! However, there's a XHPN in Piedras Negras, and a telephone call to Eagle Pass does confirm the existence of XHPN (Jim Pizzi wasn't sure about it). Now I'll call KEFS back and see if I can't find a bi-lingual staff member who watches the channel 3, they might know if their favorite Local TV station is "channel of the stars!"

Unfortunately, the I.D. slide, which has hopefully been captured inside my camera, shows no call letters and no location at all! I won't let this one get away from me. I've been after a Mexican for 20 years!!!!

- 6/5 Es 1900 CJFB-5 and CCEP-1-3 both in.
- 6 Es 1803-1823 WGBH-2, KMID-2, KENW-3 tent., KDEC-4 tent. (different zero off-set CCI than what I'm used to so apparently not KMOL or KAMR).
- 7 Es 1816-1838 WTVJ-4, WPTV-5, WTVJ-4, WCIX-6, Cuba-5, WTVJ-4
1744 WFSB-3; 2000 KALB-5
1900 WMAA-2 MS Columbus 630.; 1730 WLNE-6 RI, Providence 630
- 10 GW 1545 ????-44 3/4 eb test, no audio. No I.D. or anything through 1605. Strength comparable to WLIO-35. Is there something new in Lima?? (It's probably the new station on ch.44 in Lima which should be on shortly-wd)

Haven't seen any real Tr yet this year. The 4/14 opening was very brief and very weak and fady, and the hoped for overnight build up did not occur (many a super Tr opening has started up with weak 300 and 400 mile stuff during the middle or late evening). More promise was showing around midnight on 6/1 and into very early 6/2 with a weak showing of Tuscaloosa and Chattanooga (and nothing else) on FM and nothing on TV. Again I was drawing parallels, like 9/24/79 when I had WOWL-15 AL and nothing else just after midnight, but by dawn it was building into one of the greatest Tr openings of the past few years. What is the correct city of license for WLNE-6?? (New Bedford, MA-wd). Providence or New Bedford? Is this generally recognized as a RI or a MA station?? (It depends where their xmt is located; and, if it's still there, it should be in Tiverton, RI. When counting stations for states, count the state where the xmt is located, not the city of license-wd). Obviously it would affect my state totals; the WTFDA TV Station Guide says "Providence" and the Vane Jones guide says "New Bedford"- of course I would prefer that it be Providence, ni. Unfortunately, the I.D. slide was flashed very quickly, too fast for me to see if it said "Providence" (or Providence-New Bedford) which would mean RI, or "New Bedford" (or New Bedford-Providence) which would mean MA. Unfortunately I missed the first half of that brief as opening to an ultra rare area; it was up into FM and a local guy got CT on 90.5 just moments before I got home, and Providence was probably possible on FM as well as MA (two FM states needed here). I am doing very little traveling in June and July, going only to the Staten Island convention, and the GWDXA Convention in Kent, OH the last weekend in June. (GWDXA is a "DX" club consisting mostly of sticker collectors, format and DJ followers and new wave AOR music followers). Of course if I'm home for the "barnburner" Es opening, I'll probably be paying close attention to channels 7 & 8 and sometimes watching the lower channels Es but FM will be eating up most of my attention, and all my time will be spent down marking down new FM loggings! I hope that this is a banner DX season for all of you (and the profuse amounts of as seen here and heard on FM already, point to possibly an above-average Es season)."

Robert Grant; N8DZY, 5775 Bishop, Detroit, MI 48224, (313)-884-3025, EDT

-new		-new mode		*thru local		t=tentative	
May 1982		May 1982		June 1982		June 1982	
11 Es 1205	KHTX-3 TX	19 Es 0850	WEDU-3 FL t	7 Es 1924	WEAR-3 FL		
12 Es 1030	KOET-3 OK		0924 WEAR-3 FL		1949 KXAS-5 TX		
	1100 KFDX-3 TX t		20 Ms 0659	WPTV-3 NC		2024 KLINE-3 NE	
	WKY-4 OK t			Charlotte		8 Es 1100	KFDX-3 TX
	1200 <u>KTXT-5 TX</u>		24 Es 1800	KFDX-3 TX			1130 WEDU-3 FL
	Lubbock			1900 KARD-3 KS		10 Es 1800	KATC-3 LA
	1230 KOAA-5 CO			2000 KOAA-5 CO			1807 unided-3
	1455 KOTA-3 SD			2015 KLINE-3 NE			(CNN2)
	1600 CFSS-3 SK						1900 KFDX-3 TX
15 Tr 0600	WPXI-11 PA		June 1982				1930 KTXT-5 TX
	WMTV-9 MI		7 Es 1545	WSAV-3 GA			<u>KENW-3 NM</u>
	WTOV-9 OH			1600 WCBD-2 SC *			Portales
	0800 WTAJ-10 PA			1710 WLEF-3 MS		2000	<u>KAMR-4 TX *</u>
	WTRF-7 WV *			1715 KATC-3 LA			Amarillo
	(I believe			1800 WKRG-5 AL		13 Es 2128	unideds-2-5.
	they changed their			1807 <u>WCTV-6 GA</u>		14 Es 0655	CKLT-1-3 NB t
	call letters but I			Thomasville			0710 CBHT-3 NS
	can't think of the			1809 WTVJ-4 FL *		0724	<u>CRAFT-1-5 NB</u>
	new ones; I don't			1824 <u>WVL-4 LA *</u>			Frederickton
	have a record of it-wd			New Orleans			0947 unideds on 3&5
	Es 1945			(previously via Ms)		15 Es 1930	KENW-3 NM
	WLEF-3 MS						2030 KOAA-5 CO
16 Es 1530	WKRG-5 AL			1911 <u>KALB-5 LA</u>			2100 KLINE-3 NE
				Alexandria			

Eastern TV-DX

June 1982
15 Es 2130 KYCU-5 WY
2300 KOTA-3 SD

Robert Grant; continued---

June 1982
17 Es 2200 KOAA-5 CO
20 Es 2026 KFTX-3 TX

August 1982

June 1982
20 Es 2045 KTBS-3 LA
2125 KAMR-4 TX *

"Antenna is Radio Shack V-90 at 8' in backyard. Homes, trees and garages create heavy ground clutter.

TV before 5/18 is Zenith 21" b&w (1959) w/Sutco tunable booster. The Zenith is now dead. (When I cleaned the tuner, something in the tuner broke.) TV after 5/18 is RCA 25" color (1982) with horrid tuner. (C.O.L.O.R. is an acronym for Cost Overrun / Low Reliability.)

I seem to notice that in any given year the best Es openings are a little less than a month apart. (6/1 and 6/27 in 1979; 6/18 and 7/17 in 1980; 6/8, 7/8 & 8/6 in 1981 and 5/12 and 6/7 in 1982.) Another thing I notice is that most Es openings have a "clockwise trend". (Examples: A typical Es to the plains may start with KFDX and end with CFSS or KOTA. And an Es to the Gulf coast might start with WEDU and end with KPRC-2.)

With my new ham license (N8DZY) my old nickname "General Grant" can be taken literally!"

Marvin Shultz; R.R.#1, Toulon, IL 61483 CDT

May 1982
5 Es 0810 WTVQ-36 KY t
6 Es 1830 KPRC-2 TX
1900 WBRZ-2 LA
2200 KIII-3 TX
2201 X----2 Mexico
2215 XEFE-2 Tams
11 Es 0859 ICR-5 Cuba
(Santa Clara; t.p. & tone, grade A)
0900 WPTV-5 FL
WPEB-2 FL
0910 ICR-2 Cuba
(Havanna)
ICR-3 Cuba
(Santa Clara)
12 Es 1129 XEFE-2 NL
XEFE-3 NL
1215 KGBT-4 TX

May 1982
12 Es 1216 KRGV-5 TX
1220 XHFI-5 Ch
Chihuahua
1259 KIII-3 TX
1300 X----2 Mexico
1515 CKTV-2 SK
1529 KTVQ-2 MT
15 Es 1914 WESH-2 FL
1929 WPTV-5 FL
18 Tr 0800 WKBD-50 MI
WTVS-56 MI
June 1982
14 Es 0825 ICR-2 Cuba
(Havanna)
16 Tr 2100 WJMA-17 MI
Grand Rapids

June 1982
17 Es 2059 KNOP-2 NE
North Platte
2105 KTWO-2 WY
2130 KYCU-5 WY
2228 KID-3 ID
18 Es 0800 WPEB-2 FL
0845 ICR-2 Cuba
(Havanna)
20 Es 1959 KPRC-2 TX
2059 KTVQ-2 MT
2159 KRTV-3 MT
2200 KWGN-2 CO
2230 X----2 Mexico
22 Es 0830 XEFE-3 NL
0859 KENS-5 TX
1858 WPEB-2 FL

"The E-skip season go off to a bang but recently has really slowed up. The openings have been relatively short (timewise). It seems everytime that the Cubans have been in that they have been booming in during test pattern time with super clear pictures. The disgusting trend of the tv stations going to 24 hour broadcasting will soon be upon us. I note that Milwaukee 4, 6, & 12 will start 24 hour on July 5 - - probably many others to follow." (I hope your wrong but I guess it's inevitable-wd)

Steve Sprachman; 3939 Eve Drive, Seaford, NY 11783 EDT?

"The DX in the month of June can best be called a success. Six new stations were received. The month started off slow due to the wet weather. Compared to what it was before I went on my trip, I thought the season had fizzled out. Es was finally seen on June 7th and for the next two weeks DX conditions were strong.

Days with trop: May 27,28 June 3,4,9,11,12,16,21,22. Days with Es: June 7,8, 13,14,15,19,23.
Highlights: (Underlined are new)- June 7 Es 1830-2100 KGAN-2 IA, KIMT-3 IA, KTVO-3 MO, KMTV-3 NE, KOET-3 OK, WITI-6 WI, KAAL-6 MN, WOC-6 IA; June 8 Es 1830 KDLH-3 MN, CEWFT-3 MB; June 9 Tr 0700-0900 - UHF from Norfolk, VA and Washington, DC to Boston, MA including WHMM-32 and WQDR-50 (with a test pattern); 1800-2000 more of the same. June 15 Es 1930-2000 - WLET-3 tent., WERC-6, Birmingham, AL (I.D. seen). June 23 Es 2100- KTVO-3; near perfect.

The totals at this point are VHF 70, UHF 84, total 154. States 30, Provinces 2. Slowly I'm getting some where.

There's no local TV news this month. The New York Times had articles on the FCC's lifting of restrictions for STV and on direct satellite to home TV programming. It seems that the FCC is working for the big bucks and not the

Steve Sprachman; continued---

August 1982

Eastern TV-DX

poor viewer.
I am finally going to attend a WTPDA convention. In the 7 years I've been a member, the convention is finally in a convenient location for me. I'm glad that I have a chance to meet my fellow DXers.

And finally, there are two things for the strange oddities department. The first is WIVE-51 Reading, PA. Do they have programming in the evenings after 8 p.m. or are they STV? All my sources (TV Guide, TV Time and Channel and TV Host - the last two being local Pennsylvania TV magazines) do not have listing for WIVE-51 after the 7 p.m. listing. Oddity #2- It seems I sent 3 members TV Guides from my trip to Arizona. It's been over a month and I haven't heard any thing from them. (Hopefully, when they read this another couple of months will pass and they'll really feel guilty!). Well, that's it for this month."

Steve West; 432 Kennore Rd., Havertown, PA 19083 EST & EDT

March 1982
24 Tr 2300 Boston U's (260)
25 Tr 0830 " " "
WUNJ-39 NC 425
April 1982
20 Tr 0300 Boston U's 260
WTXX-20 CT

May 1982
15 Es 2000 WMT-2 IA t
KJAC-4 TX t
18 Tr 0530 Boston, 25,
38 & 56.
19 Tr 0615 WLFL-22 NC t

June 1982
8 Es 1800 KDIX-2 ND 1460
1900 CEWT-2 MB relay of
CEWT-6. (Must be a
new station; no
CEWT relays listed
for ch.2-wd)
10 Es 1700 WSIX-2 TN t
(now WNGE-wd)

May 1982
3 Tr 2300 WUNK-25 NC 325
7 Tr 2300 Boston U's 260
NC on FM.
12 Es 1930 Unids on 2 &
4 from Ont.
15 Es 1800 WPEB-2 FL
WTVJ-4 FL
1900 Cuba-5 in B&W

June 1982
6 Es 1800 Undid-2
7 Es 1200 Cuba-5
1230 WHS-2 FL
1500 WWL-4 LA
KJRH-2 OK
KARK-4 AR
KPSM-5 AR
1700 WDAF-4 MO
8 Es 1000 WWL-4 LA
1400 Kansas area.

11 Tr 2200 WUNK-25, WUNJ-39
12 Tr 1020 WLFL-22 Raleigh
2200 WSK-38, WITN-7
13 Es 1100 Cuba-5, 1300 WUFT
2330 WWL-4 LA
15 Es 2030 Undid-2; TN
2105 KARK-4 AR
17 Es 2000 WBRZ-2, KJAC-4
22 Es 1100 Cuba-5
26 Es 1100 KETS-2 AR
27 Tr 0815 WPTF-28, WLFL-22

"June is shaping up very well for skip and trop. Half the skip has been up to the FM band. Some skip up to 107.9. WSMP-100.3 Stereo Studio in SW Philadelphia is still on (about 10 watts) with R&B. They claim they're licensed by the FCC to cable radio but transmit over air.

There was a small earthquake during the spring (2,5) but Havertown is still located in PA. April VUD page 20 has it down it MD. (Sorry for the boo-boo-wd)

Harry Hayes; 9 Henry St., Wilkes Barre, PA 19702 EDT

May 1982
6 Es 1700 Ch.2, weak
7 Es 2025 KPRC-2 TX
11 Es 2000 KETS-2 AR
2013 KARK-4 AR
13 Es 2028 WPEB-2 FL
15 Es 1759 KJAC-4 TX
1900 KATC-3 LA
1905 WBRZ-2 LA
1950 KFDM-6 TX
16 Es 1325 KOCO-5 OK
(storm warnings)
1515 KTBS-3 LA
24 Es 1842 KCKT-2 KS
1858 KARD-3 KS
31 Es 1230 WESH-2 FL
1241 WCIX-6 FL
1330 WWL-4 LA
1600 WGAM-2???
unknown; CBS.
1630 WEDU-3 FL

June 1982
3 Es 2014 WBRZ-2 LA
2028 WDIQ-2 AL
6 Es 1830 CEWFT-3 MB
WDAF-6 ND
7 Es Super intense
from 1630-2030.
1956 WBBM-2 IL
Chicago
8 Es 1800 KUSD-2 SD
1805 WCCO-4 MN
1901 KXJB-4 ND
1905 CEWFT-3 MB
(FF NXcast)
1930 CEWFT-7-2 ON
Kenora
(CEW I.D.)
10 Es 1730 WBRZ-2 LA
13 Es 2050 KETS-2 AR
2100 KARK-4 AR

June 1982
13 Es 2100-2310 Unids to
channel 6.
14 Es 0630-0730 Unids ch.2
15 Es 1858 KARK-4 AR
1900 WESH-2 FL
1908 KJAC-4 TX
1957 WTVV-4 AL
2100 KQTV-2 MO
17 Es 1929 WPEB-2 FL
21 Es 2000-2045 Unids; Mar-
times.
26 Es 0930 WLET-3 MS
1000 WWL-4 LA
WDSU-6 LA
1100 WPEB-2 FL

season so far. Not on the par of the mid seventies but the best season since 1977. I was happy to get WBBM, the first thing ever on VHF from the Chicago area on any mode.

Equipment: Wilkes-Barre - RCA XL-100 TV, Winegard 2-6 ant. indoors aimed straight up to eliminate cable. Thornhurst: B&W RCA 1966 w/ch.2 quad, FM

Eastern TV-DX

Richard Reeser, 421 Marion St., Jersey Shore, PA 17740 EDT

August 1982

Table listing TV-DX activity for Eastern TV-DX in May 1982 and June 1982. Columns include call letters, frequency, and location.

Table listing TV-DX activity for Eastern TV-DX in June 1982. Columns include call letters, frequency, and location.

"Quite a bit of Es activity noted here in June. I just wish I knew the identity of the spanish speakers on the 19th. Tentatives include XEPM-2, WKAQ-2, Color Vision (from the Dominican Republic) on ch.2. The 7th was the most intense! Es here with 4 hours of solid FM Es to the top. I suspect it reached highband someplace. 73's and may there be continuous Es and 800 mi. Tr all through July." (I'm for that-wd)

George Rogers; 320 Lafayette Rd., Chickamauga, GA 30707 EDT
Here is my report for Eastern TV-DX. As you can see I have been real busy with TV DXing. I have had Es on TV for 22 days in a row and 25 out of 27 days in June. (Send some of it up here.-wd) Equipment: RCA 12" portable, model AFR-246-W. All times EDT. (George, perhaps next month you could mention your antenna setup and preamps you use. I'm sure some DXers are dying to know more about this part of your setup.wd)

Eastern TV-DX

May 1982

Table listing TV-DX activity for Eastern TV-DX in May 1982. Columns include call letters, frequency, and location.

Table listing TV-DX activity for Eastern TV-DX in June 1982. Columns include call letters, frequency, and location.

George Rogers; continued---

June 1982

Table listing TV-DX activity for George Rogers in June 1982. Columns include call letters, frequency, and location.

August 1982

Table listing TV-DX activity for August 1982. Columns include call letters, frequency, and location.

Eastern TV-DX
June 1982

10 Es 2000 KYCU-5 WY 1369
11 Tr 0805 KARK-4 AR 459
Little Rock
0807 KATV-7 AR "
0810 KTHV-11 AR "
0915 KETS-2 AR "
1050 KETG-9 AR 513
Arkadelphia
1105 WKNO-10 TN 322
1107 WTVN-9 MS 275
(now WTVN-wd)
Es 1305 KACB-3 TX 1046
2005 WJXT-4 FL 465
Tr 2132 WBBJ-7 TN 260
2135 WKSO-29 KY 160
12 Es 1412 XHRPM-2 CH 1450
1416 XHAO-4 CH "
13 Es 1112 KMID-2 TX 1123
2Es 1424 KATU-2 OR 2551
Portland
(ABC This Week, 2hr
delayed)
1427 KNOP-2 NE 1180
2102 KDIX-2 ND 1572
2103 CHFD-4 ON 1348
2105 CICI-5 ON 1283
2124 WFRV-5 WI 799
2125 WTOM-4 MI 888
2127 WBAY-2 WI 799
2155 KTCA-2 MN 1008
14 Es 0820 WLBZ-2 ME 1188
0832 CJRT-3 PQ 1417
(was CJRH)
1045 TR-5 Cuba 900
1047 WPH-2 FL 776
1048 WTVJ-4 FL "
1100 WESH-2 FL 535
1105 ICR-4 LA 840
1304 KGBT-4 TX 1245
1307 XHD-4 TM 1350
1330 XHGE-5 CA 1430
1332 XHGV-4 JL 1750
1340 KRGV-5 TX 1250
1516 XHRPM-2 CH 1450
1820 XHZ-5 OR 1500
El Zamorano
1840 XHGC-5 DF 1850
1850 XEW-2 DF "
15 Es 1655 KTWO-2 WY 1574
1656 KNOP-2 NE 1180
1659 KDUH-4 NE 1338
1703 KWGN-2 CO 1317
1720 KFYB-5 ND 1472
1735 WQWT-6 NE 987
1740 KTIV-4 IA 1095
1745 KPLO-6 SD 1350
1805 KXON-5 SD 1160
1810 WOI-5 IA 866
1820 WDAY-6 ND 1283
1822 KXJB-4 ND 1339
1824 KUSD-2 SD 1120
1835 KPRY-4 SD 1330
1905 KOAA-4 CO 1317
1910 KOAA-5 CO 1259
1932 WBEZ-4 MA 995
1934 CKCY-2 ON 1005
1935 CICI-5 ON 1238
2000 WCVB-5 MA 995
2005 WPTZ-5 NY 1065
2010 WLBZ-2 ME 1188
2013 WCBS-2 NY 750

George Rogers; continued---
June 1982

15 Es 2019 WCSH-6 ME 1056
2025 WLNK-6 MA 930
16 Tr 0910 WATU-26 GA 263
17 Es 1256 KMOL-4 TX 981
1300 KMID-2 TX 1123
1330 XEPM-2 CH 1430
1340 KDRC-4 TX 1425
1345 XELN-4 CO 1503
1602 KNOP-2 NE 1180
1617 KUSD-2 SD 1120
1620 KTIV-4 IA 1095
1633 KDLO-3 SD 1285
1914 KDIX-2 ND 1572
1955 KGF-2 ND 1359
1957 WPH-2 FL 776
2005 CKX-5 MB 1515
2015 KFYR-5 ND 1472
2017 KXJB-4 ND 1339
2023 KIVV-5 SD 1445
2145 KWGN-2 CO 1317
2155 KSRE-6 ND 1543
18 Es 0831 KGBT-4 TX 1245
0833 XHAO-4 CH 1450
0912 KRGV-2 TX 1250
0915 KPRC-2 TX 784
0931 XHGE-5 CA 1430
0934 KMOL-4 TX 981
1105 KMID-2 TX 1123
1800 XHRPM-2 CH 1450
1827 KOAA-5 CO 1259
1830 KWGN-2 CO 1317
1833 KCKT-2 KS 984
1839 KOAA-4 CO 1317
1841 KRMA-6 CO "
1847 XHZ-3 QE 1500
1900 KNOP-2 NE 1180
1907 KDUH-4 NE 1338
1945 KNOP-2 NE 1180
XEW-2 DF 1850
2232 KAMB-4 TX 1036
19 Es 1125 KWGN-2 CO 1317
2012 KFYR-5 ND 1472
2027 KDIX-2 ND 1542
2030 KTWO-2 WY 1574
2105 KDUH-4 NE 1338
2115 KOAA-4 CO 1317
2135 KCKT-2 KS 984
2140 KOAA-5 CO 1259
2145 KNOP-2 NE 1180
20 Es 0928 XHRPM-2 VR 1400
1328 ICR-2-2 845
1456 KMID-2 TX 1123
1501 KAMB-4 TX 1036
1513 KFDX-3 TX 910
1528 KWGN-2 CO 1317
1535 KOAA-4 CO "
1550 KCKT-2 KS 984
1600 KYCU-5 WY 1369
2010 KDLH-3 MN 1163
2018 KID-3 ID 1975
2023 KARD-3 KS 869
2028 KTVO-3 MO 664
2029 KLINE-3 NE 1120
2030 KMTV-3 NE 984
2033 KIMT-3 IA 988
2034 KUSD-2 SD 1120
2035 KXON-5 SD 1160
2037 KTIV-4 IA 1095
2110 KOAA-5 CO 1259
21 Es 2042 KGAN-2 IA 712
22 Es 0855 KMID-2 TX 1123

August 1982
June 1982

22 Es 0856 KXAS-5 TX 821
0915 XEPM-2 CH 1430
0920 KDRC-4 TX 1425
1050 WESH-2 FL 535
1051 WPH-2 FL 776
1052 WIPM-3 PR 1770
Mayaguez
(local WRCB off)
1054 WEDU-3 FL 574
1057 WTVJ-4 FL 776
1100 WCIX-6 FL "
1144 KUSD-2 SD 1120
1527 WGBH-2 MA 995
1529 WCBS-2 NY 750
1540 WLBZ-2 ME 1188
1542 WCVB-5 MA 995
23 Es 1245 ICR-2-2 845
1915 WLBZ-2 ME 1188
1917 CKCW-2 NB 1375
1920 CHS3-4 NB 1378
1931 KYCU-5 WY 1365
1939 XHAO-4 CH 1450
1940 XHGE-5 CA 1430
1955 XHRPM-2 CH 1450
2025 WGBH-2 MA 995
2030 WCBS-2 NY 750
2053 WNBC-4 NY "
2056 WNEW-5 NY "
2059 WLNK-6 MA 935
2105 WCVB-5 MA 995
2107 WBEZ-4 MA "
2135 CBPT-2 PQ 1086
24 Es 1339 XHRPM-2 CH 1450
1340 XHAO-4 CH "
25 Es 1258 KWGN-2 CO 1317
1315 KDIX-2 ND 1572
1355 KTWO-2 WY 1574
1359 KNOP-2 NE 1180
1410 KDUH-4 NE 1338
1500 KOAA-4 CO 1317
1535 KOAA-5 CO 1259
1705 KPRC-2 TX 784
2141 XHRIO-2 TM 1245
2157 KGBT-4 TX 1250
2200 KMID-2 TX 1123
2202 KRGV-5 TX 1250
26 Es 0933 KWGN-2 CO 1317
0934 KOAA-5 CO 1259
0948 KTCA-2 MN 1008
1010 WCBS-2 NY 750
1030 WGBH-2 MA 995
1038 XHRPM-2 CH 1450
1120 WBEZ-4 MA 995
1130 WCVB-5 MA "
1135 CFGL-6 ON 1336
1140 WLBZ-2 ME 1188
1150 WGBH-2 MA 995
1200 WNEW-5 NY 714
1205 WJIM-6 MI 703
1210 WTOM-4 MI 888
1220 CKCY-2 ON 1005
1230 KUSD-2 SD 1120
1235 KSTP-5 MN 1008
1240 KBJR-6 MN 1163
1255 WFRV-5 WI 799
1330 KXJB-4 ND 1338
1331 CKPR-2 ON 1348
1335 CHNB-4 ON 1126
1338 CJIC-5 ON 1005
1340 KGF-2 ND 1359
1342 CHFD-4 ON 1348

Eastern TV-DX
June 1982

26 Es 1347 CICI-5 ON 1238
1357 CKX-5 MB 1515

George Rogers; continued---
June 1982

26 Es 1400 CBWT-2-4 MB 1380
27 Tr 0135 WJTV-12 MS 385
Jackson
Top 10 Es TV stations for 1982 as of June 27: 1-KMID-2, 2-KWGN-2, 3-KUSD-2, 4-KOA-4, 5-XHAO-4, 6-KNOP-2, 7-KTCA-2, 8-XHRPM-2, 9-KPRC-2, 10-XEPM-2.
1-23 times, 2-22, 3-5 12times, 6&7 11 times, 8-11times, 9&10 10 times.
At the halfway point of the DX season it looks like a dogfight between KMID-2 and KWGN-2 for the number one spot on my Es hit parade. My run of 22 days in a row with Es on TV ties the record set by Pat Dyer of San Antonio, TX set in 1980. You see if any TV DXer had a run of more than 22 days of TV Es in a row and let me know. (Follow the results in the VUD, it's all there-wd). Total stations to date 548. I hope for hi-band Es (don't we all-wd) or Ms later on this season. Remember, in 1982 DX will come thru!
William J. Draeb; Ellis St. R.R.#2, Kewaunee, WI 54216 CDT
I received a number of late reports and they will be in the VUD next month. One report from Robert Ross postmarked June 29 didn't get here until July 8. They must have sent it by dog sled. hi! I recall one report received from one of the east coast DXers I received with a San Francisco postmark. It got here by the 1st of the month but I keep wondering why it had to go way to the west coast first. No wonder the post office dept. is going broke.
June 1982 June 1982 June 1982
5 Es 1130 KMID-2 TX 1176 9 Tr 0708 WKEN-27 OH 420 15 Es 1941 KOTV-6 OK t
6 Tr 0737 W60-- MI 90 2040 WEAY-2 off, 1944 KDFW-4 TX t
Escanaba (ESPn) but no Es. 1949 KENW-3 NE t
W62-- MI 90 10 Es 1850 KOET-3 OK 786 1959 KLINE-3 NM 669
Escanaba (WGN) KMID-2 TX t KOA-4 CO 952
Es 1710 KDRC-4 TX 1350 KXAS-5 TX t KWGN-2 CO "
KENW-3 NM 1103 KDFW-4 TX t KRMA-6 CO "
1720 XEPM-2 CH t KFDX-3 TX t 2002 KTVS-4 CO 837
KMID-2 TX 1176 KHTX-3 TX 1079 2020 KTVX-4 UT t
1731 KAMB-4 TX 991 KMOL-4 TX 1213 KUTV-2 UT t
1831 KRTV-3 MT 1159 1859 KCEN-6 TX 1075 2027 KSNB-4 NE t
Tr 2105 WKMA-35 KY 499 WCBBD-2 SC 916 2043 KOTA-3 SD 776
WVUT-22 IN 405 WCVB-4 SC " 2048 KYUS-3 MT t
WUSI-16 IL 402 WCSC-5 SC " 2214 KDUH-4 NE 767
WFTE-14 IN 420 WEDU-3 FL 1192 (KOTA I.D.)
11 Tr 0703 WOAC-67 OH 395 2222 KIVV-5 SD t
W67AJ MI 242 Ann Arbor (WJIM) 16 Tr 1902 WUTV-29 NY 445
13 Tr 0645 WETI-64 OH 400 17 Es 1800 KUTV-2 UT 1264
WCEB-48 OH " KTVX-4 UT "
Es 2000 WESH-2 FL 1130 1900 WESH-2 FL t
WSAV-3 GA 933 WSAV-3 GA t
WJXT-4 FL 1039 1912 KOET-3 OK 786
WDEO-6 FL 1164 KJRH-2 OK t
WUFT-5 FL t 1928 KAMB-4 TX 991
WDEO-6 FL t 1929 KENW-3 NM 1103
2124 WCIX-6 FL 1372 1931 KAVE-6 NM 1228
2138 WCBBD-2 SC 916 (KVIIA-7 I.D.)
14 Es 0816 " " " 1952 KNME-5 NM t
0838 WSAV-3 GA 933 2005 KWGN-2 CO 952
15 Es 1615 KATC-3 LA 1026 2030 WESH-2 FL 1130
KJAC-4 TX 1080 2130 KOA-4 CO 952
WDSU-6 LA t 2134 KFDX-3 TX 945
1917 WLEB-3 MS 865 2144 KAUZ-6 TX "
8 Es 1159 WESH-2 FL 1130 2229 KCKT-2 KS 722
WEDU-3 FL 1192 2248 KDFW-4 TX 957
WJXT-4 FL 1039 2259 KTVS-3 CO 837
1220 WKRG-5 AL 967 1722 KAVE-6 NM t 2303 KRMA-6 CO 957
1230 WEAR-3 FL 986 1726 KTAI-6 LA 910 KLINE-3 NE 669
1233 WSAV-3 GA 933 1730 KTBS-3 LA "
WUFT-5 FL 1071 1915 KMID-2 TX t 18 Es 2106 WBRZ-2 LA t
1928 CHEE-3 NS t 1926 KTVY-4 OK 820 2108 WWL-4 LA t
9 Tr 0635 WYTV-33 OH 420 2113 WEDU-3 FL t
WOAC-67 OH 395 19 Es 2000 KPRC-2 TX 1118
WUTV-29 NY 445 KARD-3 KS t
0703 WPTT-22 PA 480 KAUZ-6 TX t
WPH-53 PA "

August 1982
June 1982

1130 WCBI-4 MS 263
203
1130 WCBI-4 MS 263
More DX next month.-wd.

WESTERN TV-DX

August 1982

Fred McCormack
Box 5221
State University Sta.
Fargo, ND 58105

Deadline: 9-4-82

Lots of DX this time with the return of the Es season and some super tropo in the southwest.

New	New Mode	Tentative - t	Unidentified - unid
Jim Pizzi, P.O. Box 1778, Lovington, NM 88260			
May 1982			
19 Es 0830	KGFE 2 ND 1058	27 tr 0028	KGMC 34 OK 380
0832	D-FW U's 21,27	0030-31	D-FW 4,5 368
	33,39(snow free)	0036	KSAT 12 TX 380
0900	OKC 25,43 380	0038	KTVI 11 TX 368
20 tr 0800	KWEX 41 TX 380	0054	K12FM 12 TX 184
0802	Austin U's 18, 24,36 TX 377	0112	K13IL 13 NM 110
		0132	KTVY 4 OK 380
Es 2032	unids 2-5 west	0134	KOCO 5 OK 380
21 tr 0056	KTBC 7 TX 377	0137	X--- 34 Mexico? (XEW network)
22 tr 2303	KTEJt 19 AR	0146	KTVJt 16 MO
23 Es 2032	unids 2,3 east	0148	KGCT 41 OK 473
LS 2035	KTVV 36 TX 377	ms 0152	WNGE 2 TN 968
	KLRL 18 TX 377	Es 0220-29	unids 2,3 (no co-channel int.)
	KVUE 24 TX 377	tr 0258	unid 15 east
Es 2041	unid 4 east	0317	WFAA 8 TX 368
2103	KETS 2 AR 644	0405	KLfy 10 LA 684
2130	WDIQ 2 AL 1008	0409	KWTV 9 OK 380
2136	unid 3 east		(CB TP w/call)
2148	unid 2 south (XEW network)	0410	KNOEt 8 LA
24 Es 1228	unids 2-5	0412	WAFB 9 LA 743 (ID w/mx & time)
1259	KBCI 2 ID 990	0413	KLTV 7 TX 466 (CB TP w/call)
1300	KCRL 4 NV 1008	0415	KTUL 8 OK 473 (CB TP w/call)
1350	unid 2(RETMA TP)	0416	KWYX 10 TX 368 ("like a local")
1832	CKTV 2 SK 1188	0426	KOTV 6 OK 473 (CB TP w/call)
1840	CBKT1t 4 SK	0429	KSLA 12 LA (radar+ NOAA wx)
1842	unid 5	0433	KIDZ 24 TX 282
1846	KGFE 2 ND 1058	0436	unid 19 KGLD-11 s/on (audio)
25 Es 1635	unids 2,4 south	0436	unid 19 KTXS-12 TP (video)
1745	unids 2-5 south	0440	KOKH 25 OK 380 (above 0 Khz to each other)
1802	"TYM" 2 south (3 above-Span.)	0443	unid 20 ene (Indian Head TP)
1803	XHY 3 1200 Merida, Yucatan	0443	unid 20 ene (above 0 Khz to each other)
1806	XHGE 5 1224 Campeche, Camp. ("13" network)	0449	KRIV 26 TX 515 (CB TP w/call)
26 tr 0840	D-FW U's 21,27, 33,39 368	0450	KGNO 26 LA 819
0845	Amarillo 4,7 184	0500	KCEN 6 TX 368
Es 1500	unids 2-6	0500	K55CB 55 NM (Hobbs KAVE-6) (had KCEN-6 on)
1502	WOI 5 IA 788	0508	WRBTt 33 LA
1600	KTCA 2 MN 968	0830	KLMN 24 AR 540
1700	KTVQ 2 MT 900	Es 1835	unids 2,4 north
tr 2359	KTBC 7 TX 377	tr 1842	KVEO 23 TX 576
27 tr 0004	KORO 28 TX 505		
0006	Austin 18,24,36		
0007	KOKI 23 OK 473		
0008	KVEO 23 TX 576		
0011	KWEX 41 TX 380		
0013	KAUT 43 OK 380 (NOAA wx-barker)		
0016	Albuque. 14,23		
0017-23	Houston 11, 13,39 TX 515		
0023	KTBO 14 OK 380		
0026	KENS 5 TX 380		

Western TV DX

August 1982

Jim Pizzi (continued)

June 1982

2 tr 2321	OKC 14,25,43 380	633	KTAB 32 TX 216	634	KAMU 15 TX 441	635	KZLN 60 TX 576	636	San Antonio 4,5, 41 TX 380	637	KORO 28 TX 505	638	KEDT 16 TX 505	639	KVEO 23 TX 576	640	KORO 28 TX 505	641	KORO 28 TX 505	642	KVEO 23 TX 576	643	KTVU 2 CA 1116	644	KTOT 36 AR	645	WDIV 4 MI 1260	646	unid 6 ne(3/4CB)	647	WLPB 27 LA 743	648	WGNO 26 LA 819	649	WTVF 5 TN 968	650	unid 7 ne	651	WCBI 4 MS 864	652	WREGT 3 TN	653	KARK 4 AR 644	654	KCRL 4 NV 1008	655	KTVN 2 NV 1008	656	KPIX 5 CA	657	KCRAT 3 CA	658	KVIE 6 CA 1071	659	WRBT 33 LA	660	KADN 15 LA	661	(282 kw @ 210')	662	WTVS 17 GA 1098 (got pictures)	663	WITot 21 GA	664	(are they on??)	665	KIDZ 24 TX	666	(K24AD w/KTRK)	667	KATV 7 AR 644	668	KTEN 10 OK	669	KXIA 11 GA 1098	670	WVTM 13 AL 959	671	WTTot 21 GA	672	(KTXA off air)	673	unid 46 ene	674	KGCT 41 OK(STV)	675	unid 2 nne	676	KADN 15 LA	677	KLTL 18 LA 630	678	KPLC 7 LA	679	WGNO 26 LA	680	KLTL 18 LA 630	681	KLTS 24 LA 539	682	KVEO 23 TX 576	683	2050	K67AX 67 NM 157 (Alamagordo KRWG-22) (plus other New Mexico xlaters)	684	1940	unids 2,4 east	685	2044	unid 2	686	1730	WLBT 3 MS 772	687	1730	WMC 5 TN 784	688	1800	WDIQ 2 AL 1008	689	1830	KETS 2 AR 644	690	1715	unid 2-6	691	1800	WKRG 5 AL 936	692	1930	WBRZ 2 LA 743	693	0820-55	unids 2-4 ne	694	1300	KDIX 2 ND 936	695	1828-36	unids 2-6, Mexico (non-XEW)	696	1929	XHAO 4 1260	697	2059	WDIQ 2 AL 1008	698	2102	WEAR 3(AL) 950	699	2130	WTVY 4 AL 1067	700	0906	unids 2 Mexico (XEW net, 2-ch2)	701	1720	KFYR 5 ND 927	702	1722	CKYB 4 MB 1148	703	1729	CKTV 2 SK 1188	704	1732	KDIX 2 ND 936	705	1740	KXJbt 4 ND	706	1803	KPLOT 6 SD	707	1859	WFBC 4 SC 1206	708	0824	WUFT 5 FL 1274	709	0830	WJXT 4 FL 1300	710	0833	WEAR 4(AL) 950	711	0854	WCTV 6(FL)1148	712	1000	WTVY 4 AL 1067	713	1030	WKRG 5 AL 936	714	1100	WESH 2 FL 1346	715	1100	WWL 4 LA 819	716	1100	WDSU 6 LA 819	717	1200	WBRZ 2 LA 743	718	2000	unids 2,5 Mexico	719	2120	KDKat 2 PA	720	2130	KGFE 2 ND	721	0745	unid 2 east	722	1945	unids 2-4 ene	723	1000	KNXT 2 CA	724	1030	KNBC 4 CA
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Trops have been very rewarding with excellent openings. May 30 translators were in with good levels and KXIX-19 flea power was in fair; while KEDT-16 was close to overloading the AC-4990. June 3 tropo brought a new state (KS) and a big haul of central TX translators - most in with very good signals. In the future I will not be reporting stations from Abilene, Austin, Dallas, Ft. Worth, Houston, Amarillo, San Antonio, and Oklahoma City except when snow free; as it seems they're in more often than not. Even though it's DX (out to 500+ miles), repetitious loggings may be boring - comments please?

Still getting that channel 34 Spanish XEW network station when KVEO-23 is in strong. No word from anyone or CCI - another mystery!

First 1000 mile plus tropo. What a thrill! I was getting KADN-15 at almost snow free levels, and everything happened quickly after that. Took some pictures - hope they come out OK. Channel 46 a puzzle - could be WANX-46, but I don't know (sent info to CCI). Tropo out to 500 miles every day - a lot of gulf moisture making its way up here - hope it stays.

I've rearranged antennas - again. On MW-65 tower is Antennacraft 10 element FM (horizontal) @ 65', @ 69' is Finco P-7 UHF with AC-4990, @ 74' is Winegard CH-2073

Jim Pizzi (continued) (7-13) 10 element with AC-9730 pre-amp. On smaller 37' tower is Winegard CH-2026 (ch 2-6) with AC-9260 pre-amp @ 37' and CM-4250 6' UHF dish with AC-4990 (on order) @ 40'. Now have small conical @ 16' (no amp) on small mast along with channel three 5 element vertical and channel six 5 element horizontal. On another 20' push-up mast, now have channel 7-13 yagi (no amp) @ 20' along with 10 element channel 2 yagi, 10 element channel 5 yagi, and @ 26', 10 element Antennacraft FM (vertical) into Jerrold DSS-FM pre-amp.

I'll be putting up at my office an all-band VHF (2-13), so maybe I'll catch some DX there.

Es has been hot and heavy so far this June - most of my activity has shifted to the FM band during intense openings. Troops have been off somewhat since June 11, but Es has kept me very busy. Till next time. Best of DX, Jim

(A very interesting report Jim. I remember well the thrill of seeing 1000+ mile UHF; even though it has been many years. You have a QTH and equipment set up which I believe would be the envy of any TV DX'er. With regard to your comments about reporting repetitious loggings; I would just say that stations that are regularly received are not DX regardless of the distances involved. 500 mile or even 300 mile loggings are DX at my QTH, but in light of your reports, they may not be at your QTH. The suggestion which I would make to all reporters to the VUD is to give enough information so that the reader gets a good idea of what normal conditions are at your QTH, and then report mainly what you believe to be exceptional. fm)

James Stiles, CFAo/NAFK, Box Su/LR ADP, FPO Seattle, WA 98770

JST

Here's another report from Okinawa. All times JST. Details on the FM loggings have been sent to Northern FM DX column.

May 26 - 1700-1830: Armed Forces Korea Network, channel 2, Seoul and Chinese channel 2, Peking were both quite strong. The Chinese video signal is 2.5 MHz higher than the Korean (U.S. standard) video signal so there was considerable CCI, but at times both stations were strong and clearly identifiable. I got several pictures of the Chinese test pattern - ID slide which consists of a circle with 24 hour digital Peking time on the bottom and the Chinese characters for Peking on the top. At 1830, the test pattern was replaced by a Chinese-English language instruction program. Additional Chinese stations on the same network were observed on channel 3-6.

May 27 - 1145-1230: AFKN, channel 2, in Seoul and AFKN, channel 6, in Munsan. FM broadcast stations heard as high as 106.5 MHz.

May 27 - 1800-1900: Chinese channel 2,3, and 4 on Peking network, all with similar test pattern.

May 28 - 1115-1200: AFKN, channel 2, Seoul and channel 6, Munsan, with Chinese stations on channels 3,4, and 5. FM broadcast stations from Korea as high as 107.1 MHz.

May 28 - 1700-1800: AFKN, channel 2, Seoul and Peking channel 2.

May 29 - 0930-1300: Chinese stations on channels 2-6. Chinese FM as high as 102.5 MHz.

May 30 - 1200-1300: AFKN, channel 2, Seoul. Korean Broadcasting System channel 4, Cheongju and channel 5, Seoul. North Korean channel R3 (on U.S. standard channel 5 and part of channel 6) was observed with strong signal. Video was unreadable due to CCI, but audio was in the clear. Programming consisted of political commentary (my wife made the ID).

June 12 - 1300-1500: Very strong and steady signal from DWWX, channel 2, Quezon City, Philippines with religious programming dubbed in Spanish. The show was a tape of a U.S. program, and phone numbers within the states to call to make pledges were seen. After 10 minutes, AFKN, channel 2, Seoul replaced this station. Also, KBS channel 5, Seoul was observed with a high school baseball game.

All the above loggings are via Es. On nearly a daily basis, Es is observable on channel 2 and at least half the time skip is seen as high as channel 6 and extends through the FM band. However, in nearly all cases, the openings begin with AFKN channel 2 and as the MUF rises, the skip shifts westward with the Chinese stations being more favorably received. I am hoping to be able to report reception of stations from additional areas as the summer progresses.

(Good DX, Jim. fm)

Ronald Purdue, Route #1, Box 224, Byron, MN 55920

CDT

Equipment: RCA 1982 XL-100 color, J.C. Penney 5" b&w portable, Archer VU-120 with coaxial lead-in, Winegard AC-9880 preamp at 28' AGL.

May 1982

30 tr 0722 WLRE 26 WI 222	6 tr 1038 WTVO 17 IL 218	20 Es 2000 KOAA 5 CO 730
0736 WHRM 20 WI 155	1054 WPNE 36 WI 222	25 tr 1624 WKOW 27 WI 168
0740 W55AP 55 WI 55	Es 1620 KGBT 4 TX 1280	2101 WHA 21 WI 168
(River Falls WHWC-28)	(MUF 99 MHz)	26 Es 0930 KPRC 2 TX 1005
0748 KRIN 32 IA 118	1627 XEFE 2 TM 1217	tr 2101 WSAW 7 WI 155
0751 KMEG 14 IA 218	1834 KMID 2 TX 978	2105 WWTW 18 WI 237
0758 KDUB 40 IA 145	7 Es 1900 WTVY 4 AL 963	2107 WISN 12 WI 237
	8 tr 0715 WFLD 32 IL 288	2109 WMTV 36 WI 237
<u>June 1982</u>		
6 tr 0725 KRIN 32 IA 118	13 Es 2114 KUIV 2 UT 1047	

Wow! It has been a mixed bag for E-skip and tropo DX! It seems that E-skip and tropo occur on the same day! I took the RCA XL-100 in on the 7th of the month, and the TV serviceman put in a new VHF-UHF tuner package due to a defective UHF tuner. I am thinking seriously of replacing my Archer VU-120 with a hi-gain Winegard CH-7084 antenna.

Don't expect WFBT to go on this summer. They have run into a delay, and I believe they have to build a new building for a studio. WFBT personnel were looking for a building to remodel into a studio, but didn't find a suitable building.

By the time you read this, KTMA-TV in Minneapolis should be on or about on. They are planning STV in the evening using ON-TV service. I have been reading in the Rochester Post-Bulletin that there are TVQ microwave pirates in the Minneapolis-St. Paul area. I suppose they will pirate the ON-TV services of KTMA soon.

In the June VUD, I mentioned the propagation mode for KTIN was As. By that I meant AS or "aircraft scatter." I made a goof when I typed up that report! By the way, when will a "TV Statistics" column appear in the VUD? That's it for now. '73 and good summer DX.

(Thanks for the report. I can't help you with your question about a statistics column. It would be nice to have one again. I assume that if someone would take on the responsibility of preparing it that it would be published. fm)

Fred McCormack, 135 Prairiewood Drive, Fargo, ND 58103

CDT

June 1982

6 Es (MUF 96.1 @ 1653 -TX)	16 Es 2058 unid 2 south NBC	25 tr 0700 KTIN 21 IA 305
1700 KFDX 3 TX 900	(Spanish CCI)	Es 2258 KATU 2 OR 1240
(MUF 105.1 @ 1732-TX)	2031 KFPM 5 AR 795	26 Es 0009 unid 4 west ABC
1836 KENS 5 TX 1220	2033 unid 4 NBC	tr 0046 WXOW 19(MN) 340
1900 WFMY 2 NC 1150	(MUF 106.1 @ 2040-TX)	Es 0559 WMAR 2 MD 1135
7 tr 2300 KRIN 32 IA 395	(MUF 107.5 @ 2131-LA)	tr 0700 WLEF 36 WI 315
8 tr 0629 WVTW 18 WI 505	(MUF 107.7 @ 2316-AL)	0700 WHWC 28 WI 270
10 Es 2000 WDIQ 2 AL 1195	18 Es 0038 WAVE 3(IN) 810	Es 0828 unid 2 CBS
13 Es (MUF 92.3 @ 2051 -TX)	0044 WDTN 2 OH 800	0859 WCBIt 4 MS
2059 KENW 3 NM 965	0100 WSAZ 3 WV 935	0952 unid 4 NBC
15 Es (MUF 104.3 @ 1951-TN)	0117 WTAE 4 PA 960	0959 KMID 2 TX 1060
2000 WAGA 5 GA 1115	0125 KDKA 2 PA 945	1059 KETS 2 AR 890
(MUF 104.5 @ 2039-)	0130 WKYC 3 OH 835	(MUF 89.9 @ 1126 -FL)
2159 WSAZ 3 WV 935	0144 unid 6	1200 WTVY 4 AL 1240
2200 WDTN 2 OH 800	0200 WMAR 2 MD 1135	(MUF 105.3 @ 1208-GA)
2200 WBBM 2 IL 570	1007 WBRZ 2 LA 1185	1235 unid 4 NBC
		(MUF 92.3 @ 1344)

June seemed to be quite good for Es. I have been experimenting with some success with a system for cancelling the local KXJB-4 signal at the input to my receiver in order to identify Es signals. I have seen a lot of pictures, but only a couple solid ID's. It does look promising, however, and it should result in some growth in my log book on channel 4. I am also interested in doing the same with channel 6, WDAY, but they are stronger, and of course, Es is somewhat less common and weaker at that frequency.

The weather has often looked like it should cause some tropo ducting, but not much luck. It was nice to see Milwaukee TV for the first time on the 8th. That morning looked very promising with a number of Iowa and Wisconsin stations in, but I had to go to work; so I don't know if anything spectacular developed.

The column is of good size this month, but believe me, I would be happy to have many more DX reports. If you are SEEing it, TELL us about it.

VHF UTILITY DX

Donald L. Blevins
499 Monterey Avenue
Odenton, MD 21113
phone: 301-551-8623

IN SEARCH OF PSB.....UTILITY DX

Hank Holbrook 7211 Chestnut Street Chevy Chase, MD 20815.....

4/19					
0124	CG 41471	157.15	Mouth of Rhodes River, MD	Coast Guard Vessel	
4/25	WXW 7470	157.10	Chester River-Kent Narrows, MD	LUV TOO	
5/2					
1422	WYO 6127	156.80	#71 Channel Marker	A NET	
1452	WXZ 8311	156.80	2 miles NE of Herring Bay	SWEETIE TOO	
5/23					
1458	WSZ 5729	157.15	Tilghman Creek, MD	TWO BELLIES	
5/24					
	WSZ 5729	156.80	St. Micheals, MD	ST MICHEALS HARBOR MARINA	
5/29					
0145	WYR 2395	157.10	Falesville, MD	REVERIE	
0228	WZH 2360	157.30	Herring Harbor Marina, MD	FMISTIC	
1746	WYN 7461	157.30	Annapolis, MD	YANKEE DOODLE	
1802	WYC 4609	156.80	Choptank River, MD	YANKEE DOODLE II	
5/31					
0100	WXL 4187	157.30	Mid-Chesapeake Bay, MD	MOONPIE	

Donald L. Blevins 499 Monterey Avenue Odenton, MD 21113

6/26/82					
1043	KAA 204	42.06	Saint Joseph, MO	Highway Patrol	
1043	-----	42.06	Emo, Ontario	Ontario Provincial Police	
1043	KDK 617	39.50	New Roads, LA	Pointe Coupee Parish Sheriff	
1044	KKC 747	39.50	Alexandria, LA	Rapides Parish Sheriff	
1046	KKA 818	39.50	Cameron, LA	Grant Parish Sheriff	
1046	KKA 781	39.50	Arcadia, LA	Bienville Parish Sheriff	
1046	KKC 520	39.50	Coushatta, LA	Red River Parish Sheriff	
1100	KTZ 370	37.26	Whitehouse, TN	Police Department	
1100	KIJ 581	37.26	Sevierville, TN	Sevier County Sheriff	
1153	KAB 302	42.06	Jefferson City, MO	Highway Patrol	
1153	KAA 522	42.12	Willow Springs, MO	Highway Patrol	
1153	KAA 202	42.06	Lees Summit, MO	Highway Patrol	
1158	KIC 889	37.26	Lebanon, TN	Lebanon County Sheriff	
1200	KAA 270	42.06	Poplar Bluff, MO	Highway Patrol	
1205	KSB 234	42.60	Du Quoin, IL	State Police	
1205	KSA 939	39.50	Marion, IL	Police Department	
1207	KSC 813	42.42	Fort Wayne, IN	State Police	
1212	KSA 775	42.60	Macomb, IL	State Police	
1213	KKC 227	44.62	Little Rock, AR	State Police	
7/3/82					
0910	KNAA 582	159.135	Alexandria, VA	State Police	
0911	KGA 815	154.665	State Roads, DE	State Police	
0912	KIC 367	159.165	Culpeper, VA	State Police	

William R. Hepburn C/O 1950 Monreal Road Cornwall, ON K6H 6L2

2/8/82					
1800	XLM 300	162.55	Montreal, PO	Weatheradio Canada	
2/10/82					
1840	VDO	161.65	Cardinal, ON	Cardinal Coast Guard	
2/11/82	VFN	161.65	Montreal, PO	Montreal Coast Guard	
3/5/82					
1903	VZM	108.1	Cornwall, ON	Training VOR	

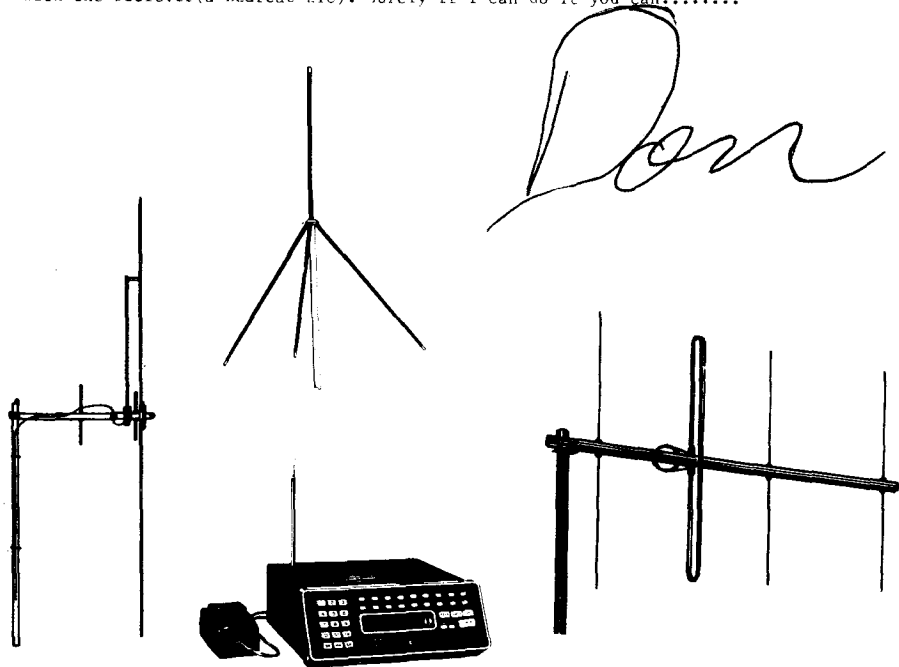
Thomas J. Yingling, Jr. 221 Pinewood Road Baltimore, MD 21222

6/7/82					
2002	KSB 233	42.62	Elgin, IL	State Police	
2004	KSG 897	42.56	Litchfield, IL	State Police	
2030	KGJ 616	39.50	Spotsylvania, VA	Spotsylvania County Sheriff	

Well that's all folks.....

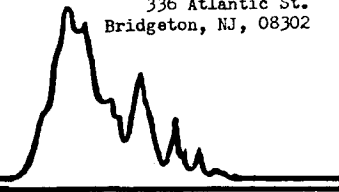
I must remind you that I am out of material for the time being....I have exhausted all my material submitted to me for the feature. I am hoping that you will submit material for the August issue. I know there has been some good DX in the last two months. Why not spend some time with your scanner and let your fellow members know what is going on?

Please remember that all the DX logged by this editor is with a screw in whip supplied with the receiver (a Bearcat 210). Surely if I can do it you can.....



METEOR SCATTER INSIGHTS

Bill Fahber
336 Atlantic St.
Bridgeton, NJ, 08302



METEOR BURST COMMUNICATIONS SYSTEMS

We have been studying meteor scatter for some time now. Many of us have seen it and logged several distant stations by it on television and FM radio. Although a curious mode of propagation, one question arises: Of what practical value is it?

It was suggested as far back as 1951 by V. C. Pineo (National Bureau of Standards, Nov., 1951) and D. W. R. McKinley (cf. McKinley, "Meteor Science and Engineering, McGraw-Hill Book Co., Inc., 1961) that meteor scatter could be used for communications. In 1963, test signals were transmitted from Cedar Rapids, Iowa to Sterling, Virginia, a distance of 750 miles, at a rate of about 4000 words per minute. This project demonstrated the feasibility of a meteor burst communications system.

There are several reasons for this interest in meteor burst communications. While lower radio frequencies are capable of beyond-line-of-sight (BLOS) reception due to the ionosphere, they are also overcrowded. Meteor scatter provides a means by which the higher frequencies are capable of BLOS reception, avoiding a complex and expensive system of microwave relays. Another reason for current interest is the current progress in technology, specifically microprocessors and inexpensive solid-state memory systems, which make a meteor burst system feasible.

The military also found advantages. During a nuclear war satellite relays and HF signals could be disrupted, but MS would still be feasible. Two other factors which make MS useful, even during peacetime, are Low Probability of Intercept (LPI) and Antijam. LPI is brought about by the fact that messages are transmitted only during the short lifetime of a useful trail, and is received only in a small area, or "footprint," which includes the receiver. And since communications would take place on higher frequencies where BLOS reception is not possible, it would be more difficult for the enemy to jam the signal.

Three types of communications systems are feasible by meteor scatter: point-to-point, netted, and broadcast. The point-to-point system calls for a master station, which transmits a steady signal, and a slave station, waiting for a properly oriented trail to reflect that signal to it. While waiting, messages are fed into its memory

system. When a useful trail is produced, the slave station will pick up the master station's signal, activate its transmitter, and send messages to the master station for as long as the master signal's strength remains above a minimum tolerance. When the master signal becomes too weak, the slave station shuts off, waiting to continue its message where it left off when the next useful trail is produced.

There is some degree of error and message loss in such a system. The closer the two frequencies are, the greater the interference between them. The farther apart they are, the greater the chances of the slave station receiving the master signal and transmitting messages when the slave signal has already faded out at the master station. The tolerable signal strength from the master station is another factor. The weaker the tolerated signal strength, the more likely the master station may not be able to receive the slave signal. Requiring a stronger signal to activate the slave station will mean fewer messages being sent.

A netted system is being built by the Bonneville Power Administration, called a hydromet (short for hydro-meteorological telemetry network). This system will monitor five slave stations around the northwestern United States, receiving coded information about stream levels, precipitation, date, and time, on a short message of 0.1 second duration.

No significant work has been done yet on a broadcast system of any sort. Such a system would require a transmitter constantly transmitting messages of short duration. It would probably take several meteor trails before any receiving station could obtain the message in its entirety.

An interesting method for amateur radio communications is described by James D. Stewart, WA4MVI, in his book, *VHF Radio Propagation*, printed in 1978 by Howard W. Sams & Co., Inc., and in an article in the December, 1977 issue of QST. Two amateur radio operators would agree ahead of time to attempt to communicate at a certain span of time on a certain frequency. With their clocks synchronized, one would transmit during the first and third quarter of each minute and the other would transmit during the second and last quarter. When one of them hears the other's signal being reflect-

METEOR SCATTER INSIGHTS

AUGUST, 1982

ed from a meteor trail he then includes a code describing the extent of his reception. They both continue transmitting call letters and codes until both sides can hear one another's code, letting them know that both sides are confirming reception.

Meteor scatter has been used in other ways than sending coded messages. In 1957, RCA experimented with sending low-resolution facsimile black & white images on a 27 kHz band for a distance of 910 miles on 40 MHz. Raytheon Corp. has been monitoring television broadcast stations from distances of 600 to 1300 miles by means of meteor bursts. (This would be an interesting subject to report on. If I can get more on this, and I think I can, I'll report on it. I wonder if anybody has looked into FM stereo and meteor scatter.)

SHOWER METEORS FOR THE NEXT FEW MONTHS:

Although this issue will no doubt reach you too late for the Perseid meteor shower's peak, I thought it best to provide a few statistics for you to compare with your loggings. The shower was to peak around noon, EDT on 8/14/82. But with the radiant at its highest around 5:40 a.m. local time, best results should be in the early morning hours of 8/14, with results not quite as good on the morning of 8/15. The shower is the result of particles breaking off from comet Swift-Tuttle, which has a 120-year orbit. The exact figure could be off by a few years. Since it last was seen in 1862 (in fact, its only appearance), it should be due this year or within the next few years. To date, it has not been seen yet. Spectacular showers have appeared in the past during years supposedly right after the calculated perihelion. With perihelion ready to occur at any time, perhaps we can look out for a spectacular within the next few years. This could possibly explain the increase in the rate of the perseids over the past few years. ZHR ranges from 50 to 100, so let's hope for the upper limit.

The DRACONIDS consist of a very narrow stream of meteors. It lasts three days, with only one hour of that time greater than one fourth of its greatest strength. That hour is at 5:00 a.m. EDT on 10/10/82. Unfortunately, the radiant will be grazing the horizon at that time, so expect that shower to be a fizzle. Better luck next year, and best results in 1984, when the radiant will be almost directly overhead during the peak hour.

Halley's Comet, which is due to return in a few years, is responsible for the ORIONIDS, which can be seen during the entire month of October, peaking on 10/21. There are differences of opinion about the exact time of the peak, but you can expect the entire day to be close to peak strength. With the radiant at its highest around 4:20 a.m. local time (give or take a half hour), best results will be on the morning of 10/21. Although ZHR is only 10, it combined with the high rate of sporadic meteors in the morning should produce good results.

There's an interesting story behind the ANDROMEDIDS, which helps to show the relation between comets and meteor showers. There used to be a comet called Bilea's Comet, which orbited the sun every 6½ years. The Andromedids existed at the same time, but nobody ever connected the two. In 1845, the comet was seen to split into two. The two returned in 1852, this time 1½ million miles apart (six times the distance between the Earth and the Moon). The comets never appeared in 1859 and 1866, but in 1872 there was instead a spectacular shower. There was another spectacular shower in 1885. Because of gravitational pull from Jupiter, the center of the stream's orbit has moved farther from the Earth's orbit, and the stream is now much weaker. ZHR is now about 10. The shower lasts from August through November, peaking on 11/14. The radiant is at its highest around 10:00 p.m.

The Leonids (Nov. 14-20) are known to have what are known as "knots," parts along its orbital path where meteors are more concentrated. On certain years, when the Earth passes through the orbit of the Leonids at the location of a "knot," the shower will appear very abundant. Some knots are right behind the associated comet, Tempel-Tuttle, and can be predicted. Others exist, but are unpredictable. The Leonids peak this year around noon EDT on 11/17. The radiant is at its highest around 11:00 p.m., so the two nights either side of its peak should be fairly good.

SPORADIC METEORS:

According to a graph published in the Monthly Notices of the Royal Astronomical Society, Vol. 116, sporadic meteor rates climb from a minimum in February to a peak in July. Figuring that sporadic meteors normally range from about 5 per hour at sunset to 15 at sunrise, we could double that figure for June-August from 10 at sunset and 30 at sunrise. Sporadic meteors rapidly drop in number in September, and make a slight increase over the rest of the year.

WHY ISN'T THERE MUCH MORE METEOR SCATTER?

The second meteor scatter brought out the fact that overdense reflections are created by trails that are visible, and that underdense trails are not visible to the eye. Also, on the lower VHF frequencies, it seems that the total number of bursts, both overdense and underdense, is not too far off from the OHR (observed hourly rate). This being the case, only very few trails actually result in the reception of a reflected signal. Improper orientation is definitely one factor making some trails useless. It has been found that, for a particular path from a transmitter to receiver, only meteors in a very small portion of the sky will reflect the signal. Another factor (I'm not sure how significant) could be the fact that some meteors break up, and signals reflected from more than one point (multiple trails) are often weakened.

REVIEW:

RAYSON HIGH PERFORMER II UHF PREAMP

If you are seriously interested in getting good UHF TV DX performance, you probably already know that a good low noise mast-mounted preamp is the key part of your system. UHF TV tuner noise figures are very poor, even on the latest model sets, and a good antenna simply isn't enough to bring in all the DX possibilities by itself.

A fairly wide selection of commercially available units exists, but almost all of them are effectively useless for TV DXing, due to poor overload rejection, inadequate noise figures, insufficient gain, or a combination of these problems. Also, there's the problem of price. Most of the models available that are good for DXing are not very cheap. The Winegard AC-4990 can cost you around \$100 these days, and the most recent versions of the CMA-Ub are more than \$200.

An interesting trend has been recently taking place in the electronics industry and among experimenters that may prove to be a real boom for TV DX enthusiasts, and low-noise/high gain UHF preamps are at the center of it. For a variety of reasons, mainly led by the increasing interest in reception of UHF pay-TV signals in several U.S. cities, many new preamp circuits have been devised, some of them using newer low-noise devices that have recently started to become widely available to experimenters.

The March 1982 issue of RADIO-ELECTRONICS magazine started a two-part construction article (concluding in their May issue) that featured a couple of microwave transistors built into a PC board in stripline fashion, a standard microwave technique that makes for an almost ideal impedance match through the circuit. The real breakthrough in this project was the price versus claimed performance. For about \$35 in parts, the results were said to be almost unbelievable: 25 dB gain, with a 2 dB typical noise figure, with 3.5 dB nf maximum. The circuit was said to be especially hot on the higher UHF TV channels, unlike many commercially available ones, which tend to start to "roll off" in gain at around ch 60 or so. In fact, the circuit was claimed to have slightly more than 25 dB of gain at ch 70, a real rarity among such units, but not surprising in light of the fact that microwave devices are employed.

Feeling that all this seemed too good to be true, I decided to order an assembled version of the circuit from RaySon, a small electronics parts supplier catering to the experimenter. I've been using it in my UHF system, and have been comparing it with my CMA-Ub (circa 1976). I'm pleased to report that this circuit, sold in assembled form as the RaySon High Performer II, is the best value-for-the-money unit I have ever seen. Currently available for \$47.50 as of this writing, it does live up to its name, something few UHF preamps really turn out to do.

Before you decide to try one out, it should be stressed that comparing such units is often an "apples and oranges" situation. The High Performer II is basically no-frills, with a power supply that consists of a modified balun and calculator-type AC adaptor that probably would make the design engineers at Winegard and Blonder-Tongue laugh (but it serves the purpose). "No-frills" means that you get a unit that may not be as durable as a CMA-Ub (designed for MATV systems), or even an AC-4990 (designed for home TV systems)--but again, remember that this amp is for the experimenter. You may not get the kind of durability or weatherproofing that a CMA-Ub offers, but you do get better results on some channels, plus performance that's a bit closer to state-of-the-art than the higher priced preamps.

The High Performer II's best feature may be good characteristics on the higher UHF channels, specifically the ch 60 to 70 range. Without the proper test equipment, it's hard to give you exact data--but my unit showed consistently better results than the CMA-Ub in that range. Troposcatter

REVIEW: RAYSON HIGH PERFORMER II UHF PREAMP

from WOAC-67 in Canton, OH at about 200 miles was stronger and much more consistent in my system with the High Performer II than it was with the CMA-Ub. A CBC French repeater on ch 68 seems to be very regular with the preamp; with the CMA-Ub, it was never quite as noticeable. Several regional translators in the 60's look better. However, in the ch 50 to 60 range, it's more of a toss-up between the CMA-Ub and the High Performer II.

On the lower UHF channels, the preamp does not offer very good results when compared to the CMA-Ub. If compared to a Winegard AC-4990 in this region, it would rank a poor third. The reason for this is simple. The RaySon circuit, remember, uses components that are intended for microwave use, at 2100 MHz and higher. The input filter is a high pass filter intended to reject signals below 500 MHz (near ch 20). The preamp will pass signals below ch 20, but with hardly any real improvement. At ch 14, the gain is down to about 15 dB while noise figure is at about its highest, and the net result is hardly enough to overcome loss in your coax.

If you can live with the drawback of having mediocre results at the bottom of the UHF TV band, this amp will make a good unit for DXing the newer translators in the ch 50 to 69 range. Since it is a two stage circuit, it has much less tendency to overload. It will overload in the presence of a strong UHF local, but if you can null it out (or trap it out), you won't have that much of a problem. Overload rejection is quite a bit better in this unit than in my CMA-Ub, but considerably worse than in an AC-4990, which excels in the presence of one or more strong local signals.

One of the things I like about the RaySon High Performer II is the cross-modulation rejection. I have far fewer problems, at least when my dish is pointed away from the locals on 17 and 29, in my key DX directions. Ch 33, once filled with cross-mod from chs 17 and a local FM station, is now clean. Ch 45, which shows an image plus some ch 17 cross-mod with the local 29 in almost every direction on the CMA-Ub, is much more clear with the High Performer II. This is without doubt due in part to the fact that the unit does not have as much gain on chs 17 and 29 as my CMA-Ub--a mixed blessing, to be sure.

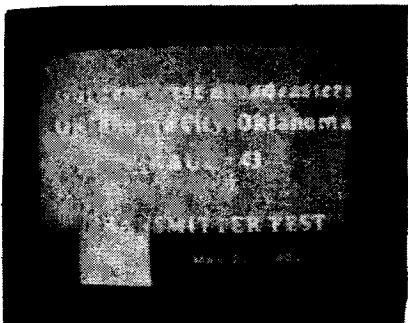
You'll have to provide your own low-loss balun at your UHF antenna terminals if you use this unit, which is only available in the 75-ohm kit or assembled version. RaySon provides you with a modified low-loss balun for the back of your set (modified to take the 9 volt DC power supply) which is quite fragile, due to their modifications. In keeping with good low-loss practices, they recommend use of a good 75-ohm foil shield type coax (Jerrold CAC-11 is a good choice).

If you'd like more info about this amp, or would like to order one, contact RaySon Electronics, 1010 12th St., Suite 5, Sparks, NV 89431. Their kit version costs \$34.50 plus \$2.00 for shipping (don't try to build the kit unless you've built UHF or microwave-type circuits before--it can be quite tricky to the uninitiated). The assembled version costs \$47.50 plus \$2.00 shipping. My preamp took two months to arrive, and we have heard that it's selling well as a result of the RADIO-ELECTRONICS articles. Thus, if you order the assembled version, you may have a lengthy wait. Keep in mind, RaySon is mainly a parts supplier, not a large company like Winegard. Nevertheless, component quality and construction in my preamp seem first rate. The price is the real breakthrough though, especially to those of us who like to experiment with preamps. For DXing in the ch 50 to 69 range, you probably can't do much better without going to the more exotic and recent state-of-the-art GaAsFET preamps that a few experimenters have put together.

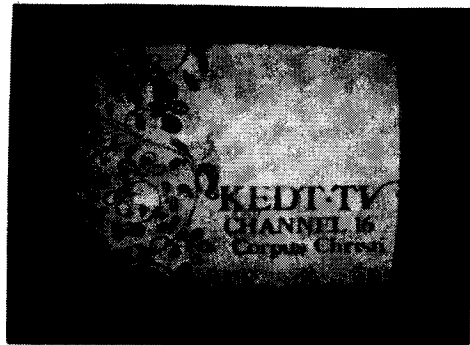
HIGH PERFORMER II BOARD

Mike Reid
109 Arjay Cres.
North York, Ont. M2L 1G6
CANADA

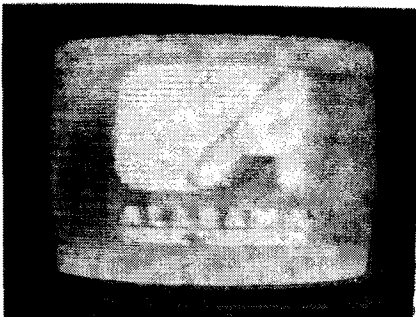
Deadlines: 20'th.



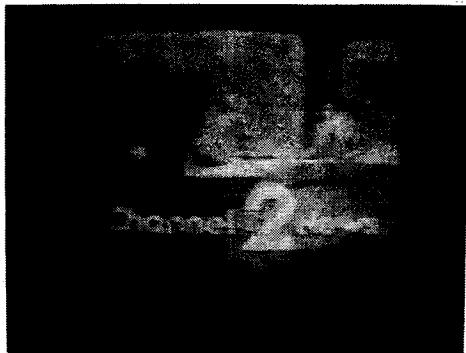
KAUT-43 Oklahoma City, OK
380 mile tropo May/82.



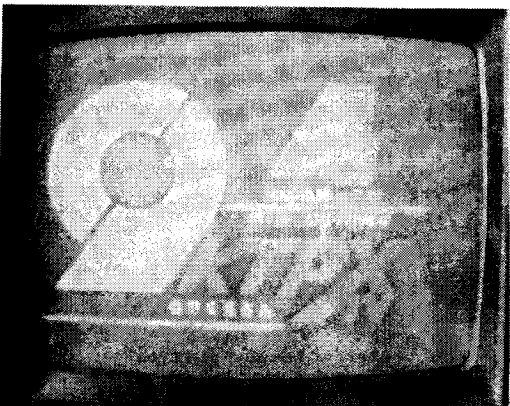
KEDT-16 Corpus Christi, TX
505 mile tropo May/82.



WDIQ-2 Dozier, AL
1008 mile Es.



KNXT-2 Los Angeles, CA
885 mile Es.



KTPX-9 Odessa-Monahans, TX
73 mile tropo

All photos this month are
from my first contributor,
Jim Pizzi of Lovington, NM.

73's

Mike

C.C.I. [UNIDENTIFIED DX]

Robert Grant, N8DZY.
5775 Bishop
Detroit, MI 48224.
August, 1982

TV unIDs:

Jim Pizzi, P.O. Box 1778, Lovington, NM 88260.

1982: Tue 25 May Es ch 2 1802 MDT-- ID as "TYM" (PTA Mexico) (not "TRM"- TV Rural Mexico? -RG)
" " " " ch 3 1803 MDT-- "Sheriff Lobo" or "BJ & the Bear"
Wed 26 May Es ch 2 1500 MDT-- "The Brady Bunch" (PTA for 5/26 is NNE)
" " " " ch 5 1500 MDT-- "Happy Days"
" " " " ch 5 1501 MDT-- "Leave It To Beaver"
" " " " ch 5 1506 MDT-- "The Brady Bunch"
Thu 27 May Ms ch 3 0208 MDT-- chs. 3, 11 & 12 w/ NBC logo.
(KOTA, Rapid City, SD. It's satellites are KHSD & KSGW -RG)
" " " Tr ch 19 0418 MDT-- Translator of KGLD-11. (PTA: ENE)
" " " Tr ch 20 0443 MDT-- "Indian Head" Test Pattern. (PTA: ENE)
" " " Tr ch 20 0443 MDT-- Color Bar Pattern (CBP) (PTA: ENE)
(These ch 20's were zero beat to each other)
" " " Es ch 2 1835 MDT-- "M*A*S*H" (PTA: NE)
Thu 3 Jun Tr ch 15 0550 MDT-- "USam" (PTA: E)
Mon 7 Jun Tr ch 46 0116 MDT-- Movie: "Queen Of Sheeba" (PTA East, WTBS-17 in.)
Tue 8 Jun Es ch 4 0927 MDT-- "The Peoples Court"

Robert Goodman, 2030 Hering Ave., Bronx, NY 10461.

1982: Mon 31 May Es ch 3 1626 EDT-- "Tattle Tales" (PTA: SW)
Mon 7 Jun Es ch 3 1630 EDT-- Movie: "Bringing Up Baby" (w/Jerry Lewis) (PTA: W)
" " " " ch 2 1655 EDT-- promo: "The Jeffersons" weekdays. (PTA: W)
" " " " ch 3 1749 EDT-- "Rockford Files" (PTA: W)
Tue 15 Jun Es ch 2 1942 EDT-- "Entertainment Tonight" \emptyset offset. (PTA: SW)

Robert Grant, 5775 Bishop, Detroit, MI 48224. editor.

1982: Mon 7 Jun Es ch 6 1751 EDT-- "Hogan's Heroes" (PTA: S)
" " " " ch 6 1950 EDT-- "The Muppet Show" (PTA: SW)
Thu 10 Jun Es ch 3 1807 EDT-- "Cable News Network 2 News" (PTA: S)
Tue 22 Jun Ms ch 2 0410 EDT-- Diana Davis on news.
Sat 26 Jun Es ch 2 1240 EDT-- Round Color TP w/ID. into 3/4 CBP @ 1245. (PTA: SSW)

FM unIDs:

Jim Pizzi, P.O. Box 1778, Lovington, NM 88260.

1982: Sun 6 Jun Es 96.3 1720 MDT-- ad- "Lebanon Cable TV"
" " " " 88.3 1802 MDT-- mention of Millwaukee & Fort Atkinson. (PTA: NNE)
(Does anyone know if WHWC is part of a state radio network? -RG)
" " " " 96.9 2135 MDT-- "97 Rock" phone number 766-9797. (PTA: W) (KROY checks. -RG)

I would like to thank Robert Goodman this week for bringing to my attention that
"Flywood Minnesota" is a nationwide chain and not a regional one as I had suspected.
(I have never seen them in Detroit, Then again, Who wants to be seen in Detroit? hi,)

73 & gud DX. N8DZY.

NEXT MONTH in the V.U.D.



- AFTER A STORMY JUNE, JULY BRINGS SUMMER HEAT WAVE TYPE TROPO CONDITIONS
- A HOT INDOOR UHF DX ANTENNA FOR APARTMENT DWELLERS THAT'S FAIRLY CHEAP, EASY TO OBTAIN, AND DOESN'T TAKE UP TOO MUCH SPACE
- MORE DX PHOTOS

WTFDA Mailbox (continued from page 3) August 1982
 (Rames, Cont.) UHF within 250 miles with indoor antennas and most VHF.
 Planning elaborate outdoor antenna system. Adjacent channel interference
 my biggest problem. I'm interested in homebuilt antennas. Would like to
 meet TV DX enthusiasts in my area."

Finally, new member DAVID RAUDENBUSH is a miner. He also belongs to
 NRC and IRCA.

Tidbits.....

Here's a few words from member Ronald Purdue: "This week, the 28th
 of June through the 2nd of July, I hope to get the Archer VU-120 replaced
 by a Winegard CH-7084 in order for the AC-9880 to be used for its full
 potential. And, I agree with the club HQ about the computerized mailing
 list. That way, the VUDs will arrive early in the month instead of late
 in the month or into the following month." Ronald, a computerized mailing
 list in itself will neither speed up nor slow down the delivery of the
 VUD. Until now, I've been typing the address labels each month to save
 the club money, and they get to HQ before the month of issue. Only on
 extremely rare occasions have the labels not been in Mike Hogan's hands.
 when he receives the VUD for mailing. A computerized list will make
 bookkeeping easier and eliminate the need for typing the labels each
 month.

Every year we send out a mailing to members who have left the club
 in the preceding year. We get many members back this way, and also get
 some interesting comments. Former member John Demmitt issues an indictment
 against some unnamed members which I hope will be a lesson to all: "Just
 received your invitation to join WTFDA and thought I would explain just
 why I left your organization in the first place. Perhaps it might help
 you in the future. As a beginner to DXing TV and FM, I had many questions
 and attempted to contact some of the WTFDA members in an attempt to have
 certain questions answered. I was very disappointed when I did not hear
 from any of the members I attempted to contact. As a result my questions
 are still unanswered and I am of the opinion that the members feel they
 are better than the new people attempting to join the club. These older
 members are making a very big mistake. An exclusive club with no new
 blood will die in time. Their lack of response told me I was not wanted,
 so I let my membership run out. Your publication did, however, contain
 many excellent articles and the layout was good. I must admit that I miss
 receiving your publication, especially now that there is plenty of DX in
 the air."

September is the last issue for me. See y'all next month....73....jz

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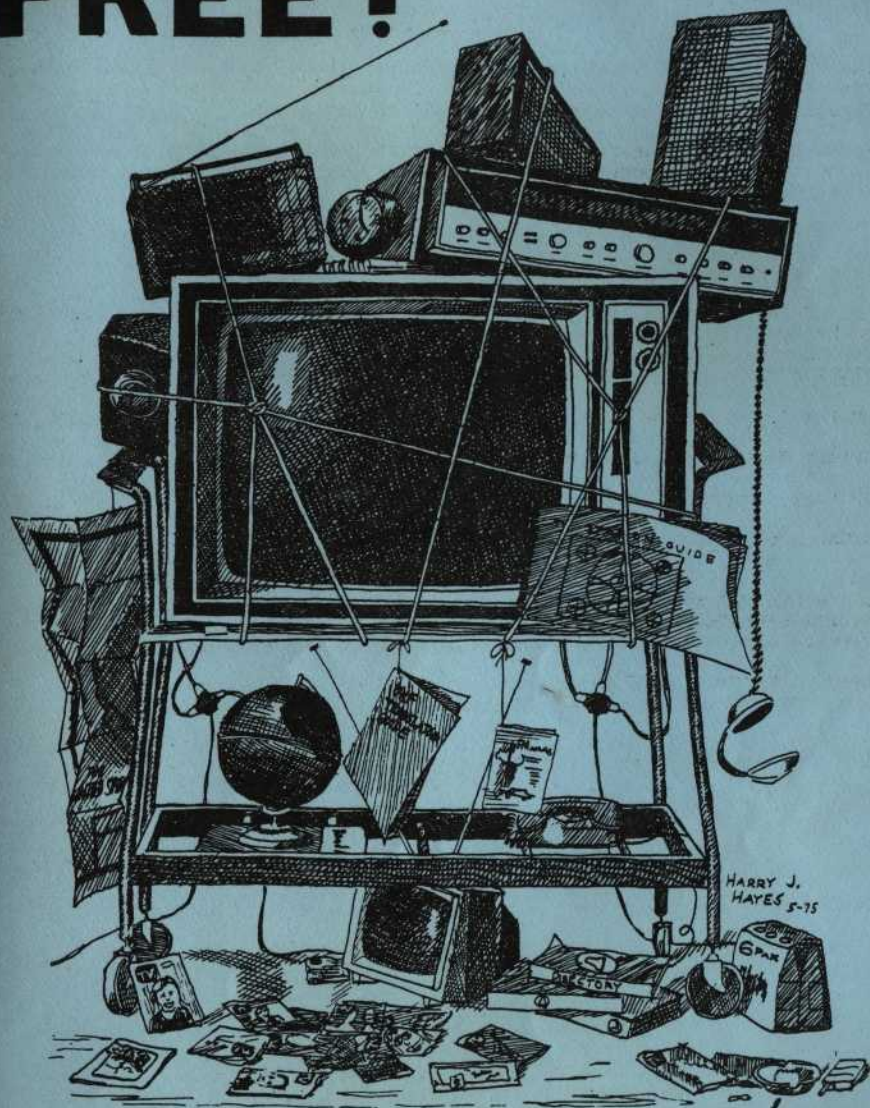
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GET YOUR OWN copy of this classic "DX Den" drawing with any supply order of
 \$5 or more (does not include TV STATION GUIDE or FM ATLAS orders). Drawn by
 DX artist Harry Hayes for the September 1975 VUD, this print is suitable for
 framing in your own DX den. See the back cover page for a list of supplies.
 Hurry! Supply is limited.