

**YLF-DIGEST**  
the official publication of the Worldwide TV-FM DX Association

OCTOBER 1978

## THIS ISSUE

**ELVING'S 30th FM DX YEAR!  
CONVENTION REPORT  
SUPER TROPS IN THE EAST**

**W J P D AM-FM**  
P. O. BOX D, 110 CANDA  
ISHPEMING, MICHIGAN 49849



224 S. MAIN AVE.  
SIOUX FALLS, SOUTH DAKOTA 57102



**WCAL 770 WCAL-FM 89.3**

Public Radio from St. Olaf College  
Northfield, Minnesota 55057



BOX 518

COLUMBUS, NEBRASKA 68601



P.O. Drawer X • Las Cruces, New Mexico 88001



cd. Juárez, chih., edificio martino  
16 de septiembre 101 1er piso  
despachos 111, 113, 114



*State University Station*

FARGO, NORTH DAKOTA

**SUPER Q 104**

PO Box 794  
Yankton, South Dakota 57078

**KWZ**

Idaho First Plaza  
816 12th Avenue South  
Nampa, Idaho 83651

# From The Staff:

WTFDA Headquarters, P.O. Box 202, Whiting, Indiana 46394

**CONVENTION 1979...**Bids are now being accepted for WTFDA's 1979 Convention. Before bids will be accepted they must be on the proper bid form now available from HQ in Whiting. All bids must be in Whiting by November 30.

**MEMBERSHIP COMMITTEE...**Members are needed to write prospective new members in their areas. Those interested should write John Zondlo, address at the top of the next page.

**TECHNICAL COMMITTEE...**We are now looking for members to help search out technical articles in various publications that may relate to our hobby. Members of the committee would be asked to contact the publications to secure permission to reprint the articles in the VUD. Those interested are asked to write Frank Aden, Jr., 105 SW Brook Apt 4, Newport OR 97365.

**REPRINT CATALOG...**Mike Hogan is now finishing the new reprint list which should be available in the next couple of months.

**FCC FM...**Bruce Elving celebrates his 30th year in FM DXing this month and a special report appears on page 7. Bruce comments: "This article grew out of a suggestion made at the 1970 WTFDA convention in Dunkirk NY that we write up our personal experiences as DXers. I thought it appropriate that I write this article, recognizing, however, that I am not the person longest active in FM DX in the club, but just 'one of the crowd,' who was blessed with a certain amount of DXpertise and luck."

**NEW COLUMN...**Morie Goldman is the editor for the new WTFDA NEWSWIRE. This column will act as a general news column for the VUD and all newspaper articles should now be sent to Morrie at 5815 N. Christiana Ave., Chicago IL 60659.

## TABLE OF CONTENTS

MAILBOX: Homebrew antenna articles wanted.....	3
FCC FM: Bruce Elving's 30th FM DX year!.....	5
FCC TV: Cuba has cable.....	10
WTFDA NEWSWIRE: New column needs your support!.....	12
PHOTO NEWS: Paul Gaines ICR Palm Tree ID.....	13
IN SEARCH OF PSB: Highway administration frequencies.....	14
VHF UTILITY DX: Texas station list available.....	16
SOUTHERN FM DX: Skip distances noted from 450 to 2255 miles.....	17
NORTHERN FM DX: Good tropo reported.....	25
QSL CORNER: Many FM QSLs reported.....	28
EASTERN TV DX: Best tropo conditions reported in years!.....	29
WESTERN TV DX: John Phillips reports AC-4990 not as good as DSU-105.....	44
CONVENTION REPORT.....	47



KATU Television P.O. Box 8799 Portland, Oregon 97208  
(503) 231-4295





# MAILBOX

John Zondlo  
6617 Maryland  
Hammond, IN 46323  
(219) 844-8694  
Deadline: 10th

## New Members:

Jim Ayers	2847 Woodside Drive	Jackson, MS 39212
John Barber, Jr.	Box 65	Carolina, RI 02812
Don Bennett	Box 231	San Juan Capistrano, CA
Roger Besch	1030 N. 78th St.	Lincoln, NE 68505 / 42675
Dennis Dean	P.O. Box 24171	Dayton, OH 45424
David Hammer	4666 Larkhall Lane	Columbus, OH 43229
Takayuki Kawasaki	14-102, 456-1 Miyanoshita	Kimitsu-City Chiba, JAPAN
Robert Kramer	1409 Mae Smith, Grinnell	Carbondale, IL 62901
	Hall - SIU	
Lloyd Scott, Jr.	P.O. Drawer 1729	Bartow, FL 33830
	1245 W. McLeod St.	
Doug Talley	4121 Redwood Ave.	Los Angeles, CA 90066
Craig K. Willard	G-33 Montgomery Court	Narberth, PA 19072

## Renewals:

Alex Berman, Joseph Bradley, R.S. Broadhead, D.F. Browne, Mike Bugaj, Walter Chmara, Roosevelt Crawford, Bob Curole, Al Ellis, Richard C. Evans, James Filler, Robert Fischer, Jim Gould, Joe Gragg, Steven Grimm, Bob Langridge, Albert S. Lobel, J.O. Mallinson, David Martin, Vic Melis, Kurt Nelson, David Nordmann, John Parillo, Paul Petosky, Robert Ross, Don Ruland, Mark Saran, Peter Sawatzky, Edward Sirovy, David Walcutt, John Walters, Barry Wallner, Paul and Dave Wardell, Larry Weil, Michael Wimer, Charles Zipser.

## Rejoins:

Richard Turcsany-7 Cayer Circle-Shelton, CT 06484

## Address Changes:

Don Allison-720 S. 5th St.-Clinton, IA 52732  
Mike Hogan-13910 Chippewa, Apt. 1-Burnham, IL 60633  
David Legler-457 E. Wadsworth Hall, Michigan Tech U.-Houghton, MI 49931  
Andrew Mahoney-412 Lincoln Court-Des Moines, IA 50312  
David Martin-3006 Norwich Road-Lansing, MI 48910  
Kurt A. Nelson-147 Church Road-Philadelphia, PA 19111  
C.H. Phillippe-P.O. Box 897-Gilbert, MN 55741  
Mike Sweeney-38 Fairlane Drive-Wethersfield, CT 06109  
Mark Westling-6039 Westridge Lane, #312-Fort Worth, TX 76116

## Renewals Due in November:

B.W. Battin, George Ripley, Harold Cox, Perry Ferrell, Robert Foxworth, Richard Hawkins, Roy Horsley, John Jefferson, Deane McIntyre, Dave Pomeroy, Lee Prescott, Marvin Shults, Dennis Smith, Richard Tidberg, Larry Vehorn, Thomas Yeazell, Tom Yingling.

Three other clubs claim JIM AYERS as a member: NRC, IRCA, and the Fixie TX Club. Jim lists his equipment as an SX-99, DA-5, SX-650, FM-5, a 1963 Zenith TV, Quantam 1110, and Finco P-7.

New member JOHN BARRER, JR., learned about the club in *Communications World*. He's a 14 year old student whose DX shack features 3 FM sets, 2 AM units, and 3 shortwave receivers. His TV DX antennas are in a stacked array mounted on a 100' tower.

Electronic engineer ROGER BESCH designed the preamp he uses with his FM tuner, an AN-2016. Formerly a BCB DX club member, Roger is interested in BCB, FM and TV.

DAVID HAMMER is into the technical side of LW, MW, SW and VHF DX. He belongs to NASWA, SPEEDY, MVDXC, and LWCA, among others. DX gear includes a Technics 5270 and an ICF 5900W.

Chicago native ROBERT KRAMER is a longtime friend (?) whose arm I finally twisted hard enough to join the club. Robert is a noted BCB DXer, and hasn't done badly at all at TV DX. He hosts the traditional Christmas CADY (Chicago Area DXers) get together in his unique DX location. Now a student at Southern Illinois University, Robert hopes to eventually teach radio-TV.

DOUG TALLEY is interested in VHF, UHF and microwave DX. He has several custom built antennas and receivers. Doug learned of the club in *Popular Electronics*.

From the Keystone State comes radio dispatcher CRAIC K. WILLARD. He has three call signs: KOG4344, WDX3CKW, and KP3AX. He's primarily into PSB EX, with equipment including a GE 7-2970 Monitor 10, Realistic Pro 16-A, Regency ACTR 20/6, Bearcat BC101, Realistic RPA, and Realistic Pro 4-A. He also belongs to NASFA, NNRC and RCMA, and learned of the club in Communications World and Communications Handbook.

#### Tidbits.....

Few member Doug Talley has a request: "I would be most interested in hearing from anyone in LA area who can receive KCOV, channel 12, Santa Maria, on a regular basis. Channel 12 carries all Rams football games, which are normally blacked out in LA area." If you can help Doug out, write to him at the address on page 3.

Bob Lantridge had a rare opportunity to see how antennas are made: "I have written to Pinco, Channel Master, and visited the Winegard plant. Pinco has a good UHF supply, but I am unable to order anything since there is no UHF to speak of around here. Channel Master has a system that I think no 1Xer has - 4 stacked 7' dishes! How would you like to have that system with an AC4990 preamp! Super possibilities! My dad had to make a business call in Burlington (IA) so we visited the Winegard plant. Dale Hemmie, the senior systems director, gave us a grand tour of one of the plants. We had a real good time there." Bob's home base is Durant, IA.

Recent new member Bill Phillipson (18954 Pendergast Ave., Cupertino, CA 95014) has this intro: "I joined the club in May this year. My main EX interests are PSB monitoring, BCB, and SW, in that order. I have a Realistic PRO-2001 scanner and an HQ-200. The "In Search of PSB" column is really great!"

These words from Walt Chmara (2870 Clifton Drive, Cornwells Heights, PA) are better late than never: "Summer is slowly oozing away, and before August goes, I want to get in front of the set and do some serious TV DXing. So far I need 4 more stations to complete my Connecticut list. I have seen all the stations in Delaware (there is only one), I need 2 UHFs to complete District of Columbia, 2 to finish off Maryland, I've seen all in New Jersey, all in NYC plus WLIW-21, all in Philly, Scranton, Allentown, Lancaster, Wilkes-Barre, and York, I've got one in Providence RI, and although I'll probably never beat that Sioux City logging I told you about before, as long as I live there's hope. And, hopefully, I'll be sending in reports that will be of interest. I've built a sign that says 'Stamp Out Apathy', but until now, I didn't have the get up and go to carry it anywhere."

Randall Clark (Route 5, Dutch Ridge, Parkerburg, WV 26101) says: "Anyone out there interested in collecting info on remote pickups? I'm very much interested in authoring an article on remotes in the near future. Also, would anyone have any information on an RTTY station on the government frequency of possibly 41.87 or 41.89, or it could be on another frequency as my receiver's not too accurate? I'm also hearing a lot of government stations within the 34.001 to 34.99 MHz band, 36.001 to 36.99 MHz, 38.270 to 38.99 MHz, 40.001 to 41.99 MHz, 46.61 to 46.99 MHz, and finally, 49.61 to 49.99 MHz. These bands make very fine listening indeed!!" Randy says that he heard his RTTY station on 5/23/78 from 1820 to 1827 EDT. He heard definite FSK shifting sounds. Randy also mentions hearing an Army communications repeater on 5/31/78.

From the Hoosier state, James Filler (307 E. 9th, Muncie, IN 47302) comments: "This entire year has been rather unusual in the area with cold winters, blizzards, hot waves, and 200 mile out EX almost every day, but very few new loggings. My new total is only 147 stations, down more than 50% from the last 2 years."

John Walters is in need of several back issues of the VUD, namely January, February and March 1977, August and December 1974, and November 1973 and all prior issues. If you'd care to part with your copies of these issues, write to John with your asking price. His address is R.D. 3, Acorn Drive, Vincentown, NJ 08088.

From Connecticut way we have these words from Albert Bernard (179 Glastonbury Turnpike, Portland, CT 06480): "I have been experimenting with various antennas and stacking arrangements for FM reception and hope that in some future issue there will be an article devoted to building a home brew FM antenna of maximum size. It seems to me that most commercial manufacturers keep the boom length a little short (10-12') to realize maximum gain with a 10 element antenna, perhaps for artistic and marketing reasons. From what I have read on antennas the optimum director spacing is around 0.2λ, which is around 2' at the FM frequencies. Anyhow, are there any expert antenna experimenters or designers who might be able to contribute some ideas on designing an antenna with a gain of 15 or more db? If there are some folks in the WTFDA that could, maybe you could persuade them to write an article." See ya in November.....73.....jz



# FCC FM NEWS

Bruce F. Elving, Editor  
18 1/2 E. Fifth Street  
Duluth MN 55805

## New Station Grants

LA Carthage 92.1 3000 (h); 300'  
MO Lebanon 92.1 3000 h,v; 300' reinstatement of a 1975 grant  
NY Herkimer 92.7 3000 h,v; 300'; m  
OR Coos Bay 98.3 440 h,v; 61C'; g  
TN Cleveland 3000 h,v; 300'; 98.3 MHz  
TX Portland 105.5 3000 h,v; 300'; m (near Taft TX and Corpus Christi TX)  
UT Ogden 97.9 48950 h,v; 699'  
WY Rock Springs and Dry Lake K292BD 106.3 \$, m, 1 = [translator of KISN 97.1 Salt Lake City UT] Community Education  
PR Levittown (18-26-30; 66-11-08) \*R9, 9/10/  
AT Fort McMurray 99.3 20200 CBC-AM (CBXrelay) 101.5 20200 " French  
BC Masset 103.9 85 watts CBC-AM  
BC Prince George 91.5 100000 CBC-CBU relay m 95.5 130 CBC French  
ON Gogana (between North Bay and Sudbury) 104.9 6900, French, CBS relay  
ON Kingston 92.9 1600 watts \$; CBC-FM  
ON Red Lake 90.5 82 (h); 275' CBC-CBQrelay  
PQ Blanc Sablon 102.7 100 = CBC-AM English 107.1 100 = CBC-AM French  
PQ Camp LGI (53-50; 76-50) 100.7 10 watts  
PQ Harrington Harbour 95.5 210 CBC English 100.5 200 CBC French  
PQ La Tabatiere 100.1 200 CBC-French 101.5 215 CBC-English  
PQ Old Fort Bay 91.7 42 CBC French 95.9 43 CBC English  
PQ St. Augustin-Saguenay 102.3 17w CBC Eng. 107.3 17w CBC Fren.  
PQ Ite-a-La Baleine 103.5 20 = CBC-French  
PQ Trois Rivières 106.9 4326; CBC-English

## On Air and DX Ready [Presumed]

(See also Formats/Networks for news of new on-the-air stations) [Mutual network]  
MN Brainerd WJLY 106.7/100000 h,v; 448'; \$, m  
MN Fairmont KFMC 106.5 37000 h,v; 360'; \$, n, u  
AT Lehighville CBX 100.1 100000 h,v; 571'  
PQ Trois Rivières 106.9 4326v; English  
SA Saskatoon 105.5 \$, 98000 w; CBC

## Facilities

AK Shemya "AFR" is on 101.1, not 101.8, as confirmed by Rod C'Conner who saw the decal on their transmitter!  
AR Ioxarkana KADO-FM 107.1 adds vertical (v)  
CA Santa Rosa KCLR \*91.9 240 h,v; 1090'  
CO Boulder KGNU \*98.5 3600 h,v; 220'  
CO Denver KJMN-FM 96.5 100000 h,v; 720'  
GA Sandersville WSNT-FM to 93.5 (from 94.3) 185' (3000 h,v)  
HI Honolulu KAIM-FM 95.5 100000 h,v; -24'  
IL Taylorville WEEE 92.7 2600 h,v; 205'  
IN Indianapolis WBGD \*90.9 4000 h,v (105')  
IA Sioux City WHIT \*90.3 Dolby  
LA Lafayette KSMB 94.5 56000 h,v; 350'  
MA Sandwich WSDH \*91.5 (from 91.7) 310 h, 170 v; 150'  
MI Saginaw WIOG 106.3 1950 h,v; 360'  
MS McComb WIXO 105.7 370' (100000 h,v)  
MO Montgomery City KWCM 103.9 3000h,v; 300'; NC Raleigh WSHA \*88.9 10000 h, (115'); OH Gallon WQLX 102.3 adds v

OH Mt. Vernon WVVO-FM 93.7 500' (20 kw)  
OK Oklahoma City KAEZ 107.7 100000h,v; 185'  
PA Hershey WITF-FM \*89.5 4200 h,v; 1360'  
TN Milan WKBJ-FM 92.3 100000(h); 160'  
TX Houston KAUM 96.5 has vertical  
UT Salt Lake City KISN 97.1 30000 h,v; 3650'  
VA Bristol WFHG-FM 96.9 67000 h,v; 2240'  
VA Covington WIOQ 100.9 3000 h,v; -210'  
VA Roanoke WLRG 92.3 93000 h,v; 2050'  
WI La Crosse WHLA \*90.3 adds Dolby  
WI Menomonie WHWC \*95.3 adds Dolby  
WI Oshkosh WOSH 103.9 2650 h,v; 320'  
WI Wausau WHRM \*90.9 adds Dolby  
AT Red Deer CKRD-FM 98.9 to 69000, and to a now, unannounced antenna height  
BC Vancouver CBUF 97.7 46000; antenna height not announced, possibly it is deleting its directional antenna  
ON Timmins CFTI 92.1 16670 plus ? ht.

## Call Letter Assignments

AL Fairhope 92.1 WHSP (from WGOK-FM)  
AL Mobile \*90.5 WTOG  
CA Healdsburg 92.9 KJHP  
CA Los Angeles 93.9 KZLA (KPOL-FM)  
FL La Belle 92.1 WWHG  
FL Boca Raton 99.9 WKOS (WVOS); "Kiss." but uses calls frequently; still m.  
GA Augusta 105.7 WAUG\*-FM (WAUG-FM); this is a change which I alone recognize because AM has new calls! [FCC does not consider this a call change.]  
HI Honolulu 93.9 KPIG (KIKI-FM) to be rp  
ID Salmon 92.7 KSRA-FM [IL Mo]The 96.9  
IL Glenview \*88.9 WNNW WXLX (WHTT) \*97-IL Urbana 103.9 WKIO (WTVG); "X." rp  
MI Munising 98.3 WQXO-FM (WQXO)  
MI Gladwin 103.1 WGMH  
MN Saint Paul \*91.7 KJAB MO Columbia 96.7 KCMG  
MS Carthage 98.3 WNYN  
MS Eupora 101.7 WEXA (WKEA) (KTCC)  
MO St. Louis 96.3 KADI (KADI-FM)  
NE Gordon 96.5 KSDZ  
NY Houghton \*90.3 WJSL  
NY Nanilus 95.3 WADQ and ON AIR! (rp) \$?  
NC Plymouth 95.9 WKLY [(from m)  
NC Charlotte 107.9 WBCY (WBI-FM); rp /  
OH Ashtabula 97.1 WREO\*-FM (WREO-FM); another change the FCC does not recognize but I alone do, because WREO's AM affiliate has changed its calls to something other than WREO (AM).  
OH Wilmington 102.3 WKFI-FM (WDHK)  
OK Bristow 104.9 AREK  
OK Edmond 97.7 KCFX (KWHP)  
PA Bethlehem 95.1 WZZO (WZVZ); rp  
TN Chattanooga 106.5 WSKZ (WYNG); r, "KZ-106" nonID.  
TX Atlanta 99.3 KPYN (KLUK) TX Stamford 92.1 KDWT-  
TX Burnet 107.1 KHLB-FM FM  
TX Fabens 103.1 KLMF\*-FM FM  
TX Fort Worth 102.1 KTXQ (KFWD); new nonID is "Q-102."  
WY Sheridan 96.5 KLMD (KWYO-FM)

WB Winnipeg 92.1 CIFI\*-FM (CKY-FM)

ON Kenora 98.7 CBQX, but a strict nonIDer, not even mentioning CBQX on the hour-or-over, as far as we can tell!

## NonDers

(Stations often employing slogans between the playing of records in lieu of their assigned call letters; may or may not be strict "NonDers")  
AL Auburn WFLI 97.7 1-97  
AK Anchorage KKLW 103.9 K-Love  
IA Clear Lake KZEY 103.1 Starship 103  
MI Grand Rapids WMLW 101.3 The Fox 101, rp  
MO Florissant KSCF 97.1 K3-97  
NC New Bern WRBK 101.9 K-102 (not K-101)  
AT Calgary CJAY 92.1 CJ-92; seems to give only the slogan; no call letters even heard on the hour of the 12 noon.

## OFF THE AIR

MO St. Louis KBDY \*89.9; since Jan., 1978

## Formats/Networks

AL Fayetteville WPKM 98.1 r (not k)  
AL Mobile WKRG-FM 99.9 r (not rm); no SCA  
AL Montgomery WLVI 92.3 k (not r); SCA tone  
AK Anchorage KNLK-FM 105.5 CBS when simulcasting AM at night; some r then, too  
AR Fort Smith NMA6 99.1 n (not rp)  
CA Auburn KHVY 101.1 m; CA Monte Rio KRJB  
CA Camarillo KEAB 95.9 rp 97.7 m; CA Oxnard  
CA Fremont KOHL \*89.3 r; KACY 104.7 m; CA Rio  
CA Longmont KLPC 92.7 m Vista KRVH \*90.9 r  
CA Los Altos KPEN 97.7 m; [Spanish  
CA Modesto KFVN 102.3 top 40 r; no more/  
CA St. Helena KYIV 99.3 m WA Cheney KEMC  
CA San Jose KLEL \*89.3 r 1\*89.9 jp  
CA Travis Air Force Base WKVK \*91.5 r  
CA Tulare KJUG 106.7 k  
CA Ukiah KLIL 94.5 m; some c [Studio 107  
FL Fort Lauderdale WGLD 106.7 m; nonID /  
FL Jacksonville WAIV 96.9 r (from rp); V-97  
GA Atlanta WREK \*91.1 no UPI 1WA Spokane  
WVEE 103.3 no ABC-FM 1KREM-FM 92.9  
GA Smyrna WKXI-FM 94.1 r, not rp /  
IA Waterloo KFMW 107.9 not a nonIDer; always seems to say "KFMIN" whenever using the phrase "Stereo 106."  
LA New Orleans WYLD-FM 98.5 j  
LA Sulphur KTQD 100.9 \$, k (not r); "Q-101."  
MI Allendale WSRX \*88.5 rp  
MN Minneapolis WLOL-FM 99.5 r (from m); soft rock, but definitely not rm or nr  
MS Brandon WRJH 97.7 U  
MS Forest WQST 92.5 r (not km)  
MS Newpton WMYQ 106.3 r (not m); still mono  
OH Oxford WOXY 97.7 r, not rm  
PA Philadelphia WXPX \*98.9 pj [no longer kg)  
TN Chattanooga WOOD-FM 96.5 k (apparently/  
TN Germantown WEEF 94.3 m; going r & new calls. TX Austin KHIF 98.3 rp  
TX Ballinger KCBN 103.1 U (\$, m)  
TX El Paso KLAG 95.5 rp  
TX Gatesville KPCS 98.3 k (not r)  
TX Kerrville KPFM 94.3 S (from M); m (was k)  
VT Colchester WMPV \*88.7 rc  
VT Montpelier WNC5 96.7 p

## FCC—FM

## Stereo or to go Stereo

AL Utopolis WNAK 106.3  
 AL Prattville WAIN 95.3; music on SCA  
 AL Selma WTUN 100.1 [h,v; -260°  
 AK Anchorage KSKA \*103.1, c) ON AIR, 3000/  
 AR Hot Springs KSPA 96.7 r (from k)  
 CA Modesto KAMB 101.5 back on in true \$  
 after years of carrying KEAR 97.3 San  
 Francisco programming monaurally but with  
 \$ light on; no longer relays KEAR. KEBR  
 100.5 Sacramento still duplicates KEAR  
 almost 100%; KEBR is g, not mg ("their  
 lifting is brutal; KEAR is far superior  
 technically, though not very good, either")  
 KY Greensburg WGRK-FM 103.1; r (not mk)  
 KY Versailles WJMM 106.3  
 LA Hammond KSLU \*40.9 MS Centreville  
 LA Spring Hill KTKC 92.7 WZZB 104.9, r  
 MS McComb WIXC 105.7 to be \$, g, target  
 date about November, 1978

MS Poplarville WRPM-FM 107.9; m (from jk)  
 MO Liberty KF1X-FM 106.5  
 TX Center KLCR 102.3; r (not mk) no SCA,  
 telemetry carrier only.  
 TX Lufkin KDEY 99.3 rp; Mutual  
 TX Port Arthur KHYS 98.5, rp

\$ stored at least parttime (1600-1800 weekday  
 evenings?)

ON Cornwall CBCC"-FM" 95.5  
 ON Kingston CBCK"-FM" 107.5

## SCA (67 kHz) Activities

AL Montgomery WFMJ 98.9 no SCA  
 WREZ 103.3 " "  
 AL Selma WALX 100.9 no SCA  
 AR Little Rock KEZQ 94.1 no SCA (was Muzak)  
 FL Plantation Key WXOS 100.3 weather (talk);  
 owner bought up a supply of Julliette radios,  
 removed tuning dial and played National  
 Weather Service for fishermen who rented  
 sets.

IA Sioux City KWIT \*90.3 telemetry  
 only; main carrier mainly g.  
 LA Crowley KAJN-FM 102.9 loud tone (+X)  
 LA Houma KHOM 104.1 no SCA  
 LA New Orleans WWL-FM 101.9 tone (+X);  
 was talking book for the blind  
 MI Detroit WDET \*101.9 adds SCA  
 MS Meridian WALI 97.1 no SCA  
 MO Kansas City KXTR 96.5 music  
 OH Circleville WNRH 107.1 no SCA  
 OH Springfield WEEC 100.7 gospel, but  
 different g from main channel; said  
 SCA on from 9 am to midnight.  
 OH Washington Court House WCHO-FM  
 105.5 no SCA [main is "FM-97"  
 TX Beaumont KAYD 97.5 no SCA; nonID on/  
 TX Galveston K10F 106.5 no SCA  
 TX San Antonio KITE-FM 104.5 talk (news  
 relay of Texas State Network; some  
 telemetry, too)  
 WI Milwaukee WLPX 97.3 heard 9-6-78  
 with AM affiliate WISN on SCA, but  
 allegedly carries this TM SCA only  
 occasionally, and may not warrant a  
 regular listing as an SCA station.  
 WI Baraboo WLVF 94.9 no SCA (carrier)

Abbreviations: c classical, e ethnic, g gospel, j jazz, k country, m middle of the road  
 music, p progressive rock, r rock, s soul; A ABC-FM, E ABC Entertainment, I ABC Informa-  
 tion, M Mutual, N NBC, P National Public Radio, S Associated Press Audio, U United Press  
 Audio, Y ABC Contemporary. \$ is stereo; h horizontal polarization. "SCA" means Subsidiary  
 Communications Authorization, an FCC authorization for stations to engage in special  
 programming not heard on ordinary radios, such as talking book for the blind and background music,  
 and unavailable to you, the  
 astute and/or average listener, without a special adapter or receiver modified for 67 kHz, the (usual) SCA frequency.

## Readers' Reports and Comments

This might be called my "thirty years column," because it was that many years ago this month  
 that my interest in FM DXing began. Some of you in the New York city area may have caught the  
 interview Harry Maynard recorded with me that was broadcast on WNYC-FM 93.9 7:30 p. m. Sept. 5.

I thank Bill Grant for sending me copies from the Federal Register of all the FCC proposals in  
 regard to educational FM broadcasting, the most recent document concerning reallocation of 10-watters  
 and the creation of channel 200, 87.9 MHz. Also to Dave Grim, who took a long trip through the South,  
 including Texas, and he checked on both main channel and SCA for changes.

With the opening of Muncie 104.9 for applicants, there's a possibility a further bid will be filed for  
 a Christian, gospel station. All WI Educational network stations, except WHSA \*89.9 Brule have Dolby.  
 They used to be good about turning off their \$ light when carrying monaural programs, but perhaps the  
 Dolby system requires fulltime use of (false) stereo. If so, I'd say this is a reason stations shouldn't  
 embrace Dolby. Greg Monti said both his and Ron Wing's SCA explanations are valid, but to really  
 understand the difference between SCA and main channel you have to look at a "spectrum analyzer,"  
 which graphically lays out all the components in an FM signal, including the 19 kHz stereo pilot tone.

Rick Samford and I both noted the six-page article on FM antennas in the Sept., 1978 Stereo Review  
 Review, by John McVeigh. "Same boring stuff that I've read before but at least the hi-fi mags are  
 starting to give this obscure 'hi-fi component' some attention." But the article says nothing of FMDX.  
 You may have seen FM Ads and SCA ads in most of the hi-fi magazines lately. The one that has gotten  
 the best results so far has been the FM-SCA ad in Audio.

London (Ontario's) new 100.5 station believed heard testing; call letters not known and of course  
 not announced. Al Ellis sent an article on an old ham technique, "double sideband," which he muses  
 might be suitable for stereo. WLRQ 95.3 Whitehall MI back on; "loose top 40 format, operating on  
 a makeshift basis at the FM transmitter site, "Super Q." WSRX \*88.5 Allendale MI hopes to apply for  
 850 w by Jan., 1980, if they can raise the money. "Good luck on the SCA hassles," says Phil Boersma,  
 "Don't quit the column!"

Traveling Mike Dorner hit Yucatan with his wife and visited XHGL 97.7. They found out that  
 XERUY (AM) Merida plans an FM in two years, and reportedly another station has similar plans.  
 Cleveland-area person William Fait sent me scurrying to my maps when he said WKHR 90.9 Bainbridge  
 OH could be short spaced to WRUW 91.1 Cleveland if each station had to raise power to 100 watts mini-  
 mum. It seems Ohio has two Bainbridges; one near Hillsboro-Waverly in southern Ohio, where my  
 maps show it, and the other near Streetsboro-Cleveland. WKHR is apparently near Cleveland, with a  
 mailing address in Chagrin Falls, and its frequency could possibly be 88.3, instead of 90.9. I'm check-  
 ing. WJOK 107.5 Miami was temporarily off the air because of a lightning strike. GCC Communica-  
 tions (some owners of WEFM Chicago) bought WTMI 93.1 Miami, but plan to maintain WTMI's classical  
 music, "because it is Miami's only major classical station and has good ratings."

KKDJ 105.9 Fresno CA says they'll be on the air around December 1, with Dolby and little or no limiting. Format not divulged.

A long letter came from my Belgian correspondent, with news of changes in Europe. Very few of these concern specific stations, but some information of interest follows: "The French Broadcasting Co., Co., ORTF has ceased to exist, replaced by 'Radio France.' Local radio in France is gaining in importance, with many stations FM. All FM transmitters in Belgium are now stereo. In Holland during 1979 Hilversum Radio will no longer exist. All radio networks will carry the same 'Radio,' followed by 1, 2, 3, or 4. The format of the networks will be developed according to 'modern needs.'" Thus Radio 1: family radio, AM and VHF (FM); Radio 2: cultural AM; Radio 3: entertainment AM and VHF, Radio 4: [not legible] VHF. Satellite to home broadcasting is a possibility. "All the plans are ready by the EBU (European Broadcasting Union) but no one seems eager to start. For Belgium, this would mean reception of 38 TV and 224 FM programmes: Germany, West, Germany-East, Belgium, France, Luxembourg, England, Scandinavia, Holland, and Italy. One detail: you'll need a 1.8 meter antenna on the roof."

CKO3 London has had its studios closed down, and is a full satellite of CKO-1 Toronto. "This is not the first 'satellite' link in the network since the Edmonton CKO transmitter is powered by the Calgary station," says David Leibold. Nick Lombardi supplied some of the Atlanta network changes, and says "in view of the above, I wonder how accurate your 'extensive listing supplied by ABC' is." I'd say it was very extensive, but the list did not purport to include college stations, such as WREK, or stations having AP Audio or United Press Audio. Further, you might have stations who are network affiliates right there in Atlanta that you may not be aware of. Some stations carry only network commercials, but are still credited by their networks as "affiliates." Thus WVEE 103.3 could be in such a category. I talked to the manager of a CBS station in Pennsylvania, who said their FM is not an affiliate, but he said they do carry CBS news each day after midnight, so I said that does qualify them for a listing in the FM Atlas as a CBS station, affiliate or not.

Les Prus sent an Aug. 6, 1978, article from the Detroit Free-Press commenting on the many FM and AM station call letters changes there have been in the Detroit area. The latest change is WCAR-FM 92.3 becoming WTWR, or "Tower Radio," named after the station's new location in the Detroit Plaza hotel. Dr. Richard Wood, coming back from a summer in Europe, says language is no barrier among DXers. "Many DXers are fluent in English and even in Spanish, in Finland. . ."

WQON 100.1 Grayling MI plans to come on soon—studios virtually completed. And KCHU #90.9 Dallas hopes to be back on the air by April, 1979. KFMV 97.9 Eugene OR has been sold; expected to go to Rod O'Connor sent a picture of KICY 100.3 Nome's studio building and 50' FM tower. "Very limited range, though, for only 80 watts. While anchored offshore it came in quite weak, and we were just one mile out. Many of the houses in the area are higher than the whole tower!"

In Canada the CRTC is cracking down on CHUC 103.1 Cobourg, Ont. to show cause why its licence should not be revoked for failing to construct and start broadcasting. Reporters' names to be run next month.

(Paid advertisement)

## Hear SCA the Easy Way!

FM SuperSnooper helps attain your legal right to receive "secret" signals sent over the public airwaves via many FM stations.



This all-new FM SuperSnooper makes listening to special FM-SCA broadcasts easy for people without electronics knowledge. Unit plugs into earphone or "MPX" out jack on portable radios to detect closed-circuit music and talk programs sent over many FM stations, as listed in the FM Atlas. With adapter plug the unit can be used with stereo tuners and receivers having a 4-channel MPX, FM quad (composite) or oscilloscope jack. Certain sets may require connection directly inside at the output of the FM detector—a point that can easily be found by probing. Unit transfers readily from one radio to another.

Consists of an SCA adapter, audio amplifier with volume control and 8 cm speaker mounted in an attractive plastic case. Features high sensitivity, good fidelity and two integrated circuits, and is self-powered with a 9-volt battery. Includes an input cable with miniature plug for connecting to a radio's earphone jack. Ninety-day labor and parts (excluding batteries) warranty. Satisfaction guaranteed or money refunded.

"Thank God someone has not bowed to what I understand is FCC pressure to keep SCA off the market to the nose consumer." T. W., Fort Myers FL.

"In regards to the politics of SCA, I feel as though the government is suppressing a very harmless thing. In fact, SCA has been an educational experience for both me and my wife." D. W., St. Louis MO.

"We know of no federal law [to] prohibit the manufacture and sale of equipment for receiving SCA." FCC, Washington, D.C.

**\$25 WTFDA Members' Special Price postpaid** \$2 extra for output jack of your choice. 110-volt model available. SASE for details.  
(\$36 list price). Order from Bruce F. Elving,  
18 1/2 East Fifth Street; Duluth MN 55805.



# SPECIAL REPORT

## Thirty Years an FM DXer

By Bruce F. Elving

Long before FM radio became accepted as a medium for musical enjoyment, stereo and lack of static, I decided to try my luck at FM DXing. Being adequately warned when I first bought an FM radio with paper route earnings at the age of 13 in October, 1948, by the literature that accompanied the new Zenith table radio that, although FM stations are sometimes heard at great distances, do not expect to tune in other than your local stations. Choosing to defy these words, I did dial my radio until one night I managed to receive WMIN-FM 99.5 St. Paul MN. A whole winter went by with similar receptions from stations up to 300 km south of me—in the direction favored by the hillside location for which Duluth, Minnesota, where I began my DXing career, is noted.

In the spring—May 15, 1949, to be exact—my first skip, WJAX-FM 95.1 Jacksonville FL, was received. Not recognized as skip at the time, I kept tuning near that dial spot until later a weak signal from WWCW 94.9 Greenfield Township (Baraboo) WI was heard. This southern Wisconsin station would for many years remain as an indicator station to me when tropospheric conditions were building. By concentrating on WWCW and WTMJ-FM 93.3 Milwaukee, a super-powered station that was to leave the air in 1950 (and later come back on with lower power on 94.5), attention to improving my receiving set-up could be done. Not being a technical person, I worked on improving the line-cord placement of my receiver's antenna, later graduating to a turnstile (all-directional) FM antenna mounted on the roof of the house where I grew up. In 1952 I had graduated to an FM yagi, having ordered two five-element yagi JFD antennas from Lafayette Radio, an order that took months to deliver, probably because the antennas had to be specially made, demand for FM receiving gear being so low at the time. These antennas were double stacked and nonrotatable. I used this system for about four years, with lightning finally hitting it, destroying the twin-lead and some of the home appliances. Finally, it was replaced with single-stacked yagi antennas, both horizontally and vertically polarized atop rotators. During the period 1954 to 1960 I was FM DX editor of the Newark News Radio Club, and in 1960 FM editor of "DXing Horizons," published by Bob Cooper.

Almost from the start I collected verifications from the skip stations I received, beginning with WJAX-FM, and invariably asking each station heard if this report from Duluth represents the most distant that they knew of at which their FM signal has been heard—a question that I continue to ask of all stations I receive, even stations less than 100 km away. In most cases, stations replying state that Duluth is the most distant point from which they have heard. I am well-known as a constitutional DXer, believing in following a set of rigid and inflexible rules that exist as a pre-condition to hearing and counting DX. Thus my log is devoid of "tentatives," and I refuse to count as new stations those that have changed frequency, call letters or city of license.

My log of stations has grown to 1450, with 1338 verified. Actually, it is not an impressive log at all, considering that I have added to it from one location for over 30 years, with each of those years accounting for new stations, despite the fact that for some of the time I was living away from "home." Yet, vacations provided an ample opportunity to make new loggings, and my antennas remained (and remain) in place.

I have antennas in place at my mother's Duluth house on the eastern hillside, at my own residence near downtown, and at my father-in-law's in suburban Hermantown (near Adolph). I DX with two receivers, so you can see that when moving from one DXing spot to another a certain amount of tuner or receiver moving must also be done. The biggest antennae are at my mother's, and the system where I live is barely adequate, enabling some excellent DX to come through, but hampered by less than the best (actually, junk) antennas to be used and considerable local station overload interference to be experienced. At my father-in-law's, local station interference is at a minimum, and the handicap of not being able to receive stations well to the north and west, because of being behind a hill at the in-town receiving locations, is eliminated. However, a receiving site in town, close to myriads of 100 kw FM and maximum power VHF TV signals does give the opportunity to test traps and receivers for interference suppressing qualities, even though subjecting the human organism to unknown deleterious effects from radiation—a subject that is receiving increasing popular and scientific scrutiny.

Despite 30 years' experience in FM DXing, there are gaping holes in what I have heard compared to what a seasoned DXer would expect I would have heard. For instance, very little of my new

station logging activity has included meteor shower and auroral DX, as a glance at the Statistics column will show. From Canada only the provinces of Manitoba, Ontario and Quebec have been heard; this contrasted with every state east of the Mississippi in the U. S., and the majority of the states in the west. Tropo does continue to be strong here, despite a proliferation of new stations in the area. Indeed, it is this very proliferation that has accounted for a major part of my new loggings—and, may I add, a welcome part of my loggings, for I am as interested in building totals in my log as I am in quality of loggings.

The above may seem strange for a DXer to say, but I lived through the lean period of 1949 through 1956 when established FM stations were leaving the air and deleting. Thus, when stations began to return to the air—a trend that has continued for 23 years—I was enormously pleased, because it meant not only new FM stations to receive by DXing, but new FM stations to listen to for programming, and an assurance of FM's continued viability. I have to this date encouraged broadcasters to take up FM, increase power, and find channels for allocation and application. A DXer should not be selfish and hope for the "good old days," with a wide-open 88 to 108 MHz band for DXing, but instead she or he should be on the lookout for new DX through the barriers of new educational and commercial stations and FM translators.

Since 1964 I have made tapes of most of my new receptions, and have combined the best of these into an "FM DX Demonstration Tape." Tape editing is fun, but very time-consuming, especially when you have over two-years' worth of unedited tape sitting around on several reels and cassettes awaiting editing and re-editing, so that only the significant remains and the rest can be bulk-erased, permitting new DX to be recorded on the same tapes. Such is the status of my tape work now.

While I look to the development of main-channel FM as a healthy thing, I see a bright future in subcarrier FM, or SCA. Here is a truly unexploited region for the development of creative, new programming services. In order for SCA to fully develop, however, I look for long legal battles with entrenched special interests who will fight to keep SCA away from the ordinary consumer. And I see myself in the center of this controversy, just as I doggedly refused to admit in 1948 that FM DX was not possible. If I can make any lasting contribution to my fellow man it will be in liberating SCA from its present bondage, and thus opening new channels of information, education and entertainment to the masses. SCA I look upon as superior to extending the AM broadcast band, opening up long-wave broadcasting in North America, resorting to cable radio, or translators for local station origination. It is an energy-efficient use of the spectrum, resulting in the need for creation of no new stations, and it is static and interference free, like FM itself is. It is as reliable a form of communication as your local FM station is. The only problems I see, outside the legal sphere, lie in the reluctance of many FM broadcasters to allow the development of a subcarrier, for fear that their main channel modulation and/or coverage will be reduced, and competition from non-music and non-talking forms of communications, such as teleprinter devices, for available SCA channels that could better be devoted to aural communications with the public.

I am confidently looking forward to another 30 years of FM DXing, even though my publication and interest in SCA has taken away some of the interest I had in going after DX for the sake of DX. And I hope to continue to add to my log from the Duluth, Minnesota, area where I began, even if I should at times take hiatus from the area. While I am probably no longer the leading FM DXer in the club from point of view of number of stations received at one location, give me time and I will hope to regain the lead from those who are unable or unwilling to DX from one area for 30 to 60 or more years! I do count it significant that I was named "Man of the Year" by the Association of North American Radio Clubs in 1973, and that I continue to enjoy support for my column in the World Wide TV-FM DX Association's digest, "FCC-FM."

We've long since passed the point where the "experts" no longer think of FM as having no DX possibilities—skip, tropo and meteor scatter are well-known, at least in certain circles. Yet, for personnel at many stations getting a report of reception at a farther-than-normal point, is still a novelty and a source of joy, resulting in interesting and informative letters of verification. Offsetting the trend toward more stations and restricted DX opportunities is improved receiver technology, plus more widespread use of FM antennas. Thus, the entire radio-listening segment of the stereo and hi-fi industries stands to become FM DXers. So what we have learned about DXing we can pass on to our children, our friends, and our neighbors. The hobby will surely grow—and we won't have to be individualists who are willing to "buck the crowd" to prove the point that FM DX is indeed possible. It will prove to be a worthwhile hobby in its own right, at a time when Americans are increasingly faced with the problems brought on by more and more leisure time.

# FCCTV NEWS

John F. Combs  
2485 Ivan Ct.  
Orlando FL 32807

OCTOBER 1978

OCTOBER 1978

## NEW STATIONS ON-AIR

KLTS-24- Shreveport LA 8-4-78 (PBS)  
KWET-12+ Cheyenne OK 8-1-78 (PBS)  
WCTE-22 Cookeville TN 8-16-78 (PBS)  
KCOS-7 El Paso TX 8-16-78 (PBS)

## CONSTRUCTION PERMITS GRANTED

Albany GA, Ch. 31-, 2360, 1190

## EXCHANGE OF CPs GRANTED

WPFO-40+ Greensburg PA to Ch. 22, 5000,  
920, location to Pittsburgh  
WPBC-22 Pittsburgh PA to Ch. 40+, 1170,  
980, location to Greensburg

## CONSTRUCTION PERMIT CANCELLED

WMTU-30 Memphis TN (CBN)

## APPLICATIONS FOR NEW STATIONS

Valdosta GA, Ch. 44-, 559, 839  
Marion IL, Ch. 27, 152, 529  
Somerset KY, Ch. 16, 390, 413

## CHANGES GRANTED IN OPERATING STATIONS

KTHE-54 San Jose CA to 661, 1920 (305.5,  
-30), xmtr to Monument Peak, 10 mi. N.  
of San Jose.

WIPB-49 Muncie IN to 142.2-kw (141)  
KTVO-3 Ottumwa IA to 84, 1973 (100,1082),  
xmtr to 5.6 mi. N. of Knox City MO  
(about 32 mi. S.E. of present site)

KLTY-10 Lafayette LA to 309-kw (302)  
WPTT-28 Raleigh-Durham NC to 5000, 1305  
(2483, 1040)

## CHANGES IN CALL LETTERS

KMAU-12 Wailuku HI (ex-KMVI)  
WPTT-28 Raleigh-Durham NC (ex-WRDU)

## CHANGE IN LOCATION GRANTED

WSNL-67 Smithtown NY (was Patchogue)

## PAY-TV REQUESTS

New 39 Miami FL

## PAY-TV GRANTS

WSNL-67 Smithtown NY

## NETWORK CHANGES

KVAL-13 Eugene OR adds CBS secondary  
KEZI-9 Eugene OR no longer CBS secondary,  
but still carries "a few select CBS  
shows"

## CHANGES IN ALLOCATION TABLE

Location	Add	Delete
Seaford DE	38, 64 ETV	38 ETV

## TRANSLATOR LICENSES GRANTED

Nulato AK--K04JF  
Greasewood AZ--K10KT  
Essex area CA--K02IY  
15 mi. vallet CA--K03EL, K06IY  
Henderson NV--K60AN  
Montour Falls NY--W69AH  
New York City NY--W60AI  
Pine City NY--W66AF  
Waverly NY--W62AJ  
Reading PA--W51AC  
Cookeville TN--W28AA  
Greenville TN--W39AB  
Logan UT--K61AT  
Arapahoe/Fremont Co./Riverton WY--K03ER

## TRANSLATOR CPs GRANTED

Clam Gulch AK, K39AA (KAKM-7), 10  
Seward AK, K07PG (KAKM-7), 10  
Shelter Cove CA, K08JM, K10KY (KIEM-3,  
KVIQ-6), 1 each  
Jack's Cabin area CO, K69BU (KTSC-8), 20  
Dayton NV, K11OK, K13PD, K06JK (KCRL-4, KTVN-2,  
KOLO-8), 10 each  
Gallup NM, K63BD (KNME-5), 100  
Andrews NC, W05AT (WBIR-10), 1  
Willowdale OR, K03EZ, K05GK (KOAC-7, KEZI-9), 1 ea.  
Martinsburg PA, W65AL (WOPC-38), 100  
Kimble Co. TX, K61BC, K63BC, K65BE (KENS-5,  
KMOL-4, KSAT-12), 100 each  
APPLICATION FOR NEW TRANSLATOR  
EPNG Navajo Compressor Stn. AZ, Ch. 68 (KOB-4),  
10

## TRANSLATOR CHANGES GRANTED

(The following 6 xlters will change primary to  
WXXI-21 from WNED-17):

W59AH Allentown/Bolivar Relay NY  
W62AR Andover NY (also switch to Ch. 61)  
W65AJ Angelica NY  
W65AI Bolivar/Richburg NY  
W62AS Friendship NY  
W56AU Scio/Wellsville NY  
Redwood Falls MN, K58AS, K66AB, K68BJ switch  
from Chs. 66, 80, 82, resp.  
Silver Springs NV, K130K switch to Ch. 12  
Ft. Wingate NM, K57AL, K72CN, K80CA change  
community to Thoreau; 72, 80 to Chs. 55, 59  
Willowdale OR, K03DH switch to Ch. 11, stn.  
change to KVAL-13

Tropic UT, K82BT change to Ch. 55  
Beverly/Royal City WA, K09EF change to  
Beverly/Vantage; change stn to KYEW-42  
(The following translators are upping power  
to 10-w.):

K05DZ, North Arm of Indian Valley/Quincy CA  
K11CI, Bear Creek Valley, etc. MT  
K12AC, Burke/Gregory SD

## K09MP, K13NV, Curlew/Malo WA

## TRANSLATOR CHANGES REQUESTED

Kayenta AZ, K10EO wants 10-w  
Navajo Compressor Stn. AZ, K74AV, K78CX  
wants 10-w and switch to Chs. 64 & 66  
Coldstrip MT, K12KN, K10KC wants 10-w and  
switch to Chs. 13 & 11  
Chadron, etc. NE, K06JC, requests change of  
primary station to KRNE-12

## STATE OF THE INDUSTRY

(Apologies--I was unable to obtain the  
current figures due to time limitations.  
They should appear in November's  
column--jfc)



**NETWORK CONFUSION:** Nowadays, when tuning in an NBC affiliate, one can't be certain whether he'll see NBC, CBS, or even PBS! On August 12, August 31, and September 4, some or all NBC stations accidentally carried from 15 seconds to 3 minutes or more of the CBS feed. A chat with Ken Smith, program director at WESH-2, was somewhat enlightening. He says that such "flubs" have been fairly commonplace as of late, and that even the PBS feed has popped in! Ken's theory for the errors has to do with the fact that the Southeastern affiliates are often fed a regional commercial or promotional announcement via an A T & T switching facility in Atlanta. A certain employee there (who shall remain nameless, hi) seems to have the unfortunate habit of throwing the wrong switch at the wrong time! However, not all of the mishaps I have viewed personally (on the three dates mentioned above) occurred during a commercial break, so there may be a further explanation. At any rate, the DXer, as always, bears the brunt of the confusion. Perhaps such "goofs" are the explanation for many "strange" unIDs of the past!

**NOTICIAS DE LA REPUBLICA DOMINICANA:** Richard Clark reports some changes in the Dominican TV scene. A new E-skip target will be HIJB-2 "Tele-Antillas" in Santo Domingo, with a repeater on Ch. 13 in Santiago. These stations were scheduled to go on the air in September. Also, the Ch. 7 and Ch. 11 stations of HIN (Rahintel) have been moved to Cayacoa and El Mogote from Santo Domingo and Santo Cerro (Clark's QTH), respectively. It is not known whether this constitutes a change in transmitter location, or merely city-of-license.

**CUBAN CABLE!** An article in the Miami Herald reveals that the CATV in Key West FL now carries the Cuban ICR network from Ch. 9 in Matanzas. Programming includes Soviet and Polish programming (dubbed in SS, of course), as well as "pirated" U.S. movies. The FCC gave "routine" approval of the move, saying, "Our general rule is that they the CATV operators can carry any foreign language station unless somebody objects." Thus far, no one has objected, including the many Cubans residing in Key West.

**CBN EXPANDS SATELLITE SERVICE:** The Christian Broadcasting Network has added a second satellite earth dish. Phil Francis, director of CBN's technical and satellite services, says the new dish will be used via WESTAR for special feeds, news, telethons, and other programming, as well as a back-up for the original dish, locked in to SATCOM I and carrying the 24-hour programming. CBN's owned & operated stations in Atlanta, Boston, and Dallas are scheduled to have receive-only earth stations by October 1, making a fully parallel, true "network" possible. Non-owned stations carrying some CBS programming that have earth stations (such as KBMA-41) also have full access to both satellite feeds.

**MISCELLANY:** In Chicago, Channel 60, formerly occupied by WXLT, Aurora, is being sought for a fully Spanish station by two groups, one of which is the Spanish International Network (SIN). Both applications include the desire to transmit from the Sears tower—a request that will likely be denied.....The Full Gospel Businessmen's Fellowship International (FGBMFI) is going through with plans to put as many as 2500 PTL Network translators on the air; however, no formal application has yet been made to the FCC, though they expect to in the near future.....WTFDA member Robert Goodman attended the Chicago hearings on the Communications Act of 1978. He will try to obtain a copy of the bill, so watch this column as well as Bruce's for more information.

**CONTRIBUTORS THIS MONTH:** Frank Aden, Jr., Newport OR; Richard Clark, Santo Cerro, La Vega, Dominican Republic; Robert Goodman, Cicero IL; Ken Simon, West Palm Beach FL; and myself. I hope to have many more for the November column! Good DX to all.....73, JOHN

Announcing — — —

**WIBZ 99 FM**



**FM 99  
ROCK'N STEREO**

Morrie S. Goldman, 5815 North Christiana Avenue, Chicago, Illinois 60659

WTFDA NEWSWIRE is a new experimental column for the VUD. Your reaction will determine its final form and whether it will continue at all. For the present, we expect that NEWSWIRE will appear bimonthly and will cover news of interest to TV, FM and PSB DXers. We will include short capsules on such subjects as new products, FCC actions relating to equipment, propagation, DXing tips and more. Reader contributions of news items are very much needed! Well, here's our first effort...

**1979 VCR FEATURES...** As predicted in the March VUD, new video cassette recorders (VCRs) are now being introduced with many added features. One example is the new programmable style VHS recorder being offered by RCA. At a price of \$1275, the VCT400 can be programmed to record up to four periods of TV air time (on mixed or same channels) up to seven days in advance. Magnavox has also announced a similar unit. JVC has introduced a new VCR (Model HR-3600 Vidstar) with slow motion, double speed, still frame and other features, but with a 2 hour maximum play time. JVC is expected to have a 3 hour tape available soon. While prices are rising on the newest "second generation" VCRs, older basic models are being discounted by as much as 30%.

**BEARCAT BARGAINS...** If you've been waiting for an excuse to buy a Bearcat 210 VHF-UHF scanner, now may be the time to buy. Electra is offering a \$20 rebate on 210's purchased between October 1 and December 31, 1978. Get complete details from your dealer.

**UHF TV TUNERS TO IMPROVE...** The FCC has finally ordered TV set manufacturers to improve the noise figure of their UHF tuners. The maximum allowable noise figure is now an incredibly poor 18dB. By October 1, 1979 new sets must be at or below 14dB and down to 12dB by October 1, 1982. Even that figure is poor by DX standards, but it's a step in the right direction. Along those same lines, Siemens AG (a European manufacturer) is now offering a MOS tetrode transistor for UHF tuners with a nf of 2.8dB at 800 Mhz. Gain of the new BF960 is 18dB. It would be nice to see a US manufacturer use it in a UHF tuner for much higher performance than the FCC demands.

**TRANSLATORS TO BECOME MINI-TV STATIONS?** The FCC has begun a major inquiry to decide whether TV translators should be allowed to originate programming. At present a translator may only retransmit the programming of an existing station. Slight power increases may also be forthcoming.

**UNDERSTANDING FM AUTO RADIO SPECS...** Many consumer electronics companies are looking to "auto sound" as the boom to replace CB. With more attention being paid to this market, we are finally starting to see manufacturers list the specs of auto radios. In fact, CONSUMERS GUIDE now has a CAR STEREO EQUIPMENT BUYING GUIDE showing their own test results for many auto sound products (available for \$1.95 at many news stands and book stores). When comparing the sensitivity of receivers, note that when the old IHF system is used (sensitivity listed in microvolts rather than dBf), it is referenced to 75 ohms and not the 300 ohms used in home receivers. What this means is that an auto radio with a 2 $\mu$ V IHF sensitivity is actually the same as a home receiver with a 4 $\mu$ V sensitivity. When you compare specs, make sure that you compare apples with apples!

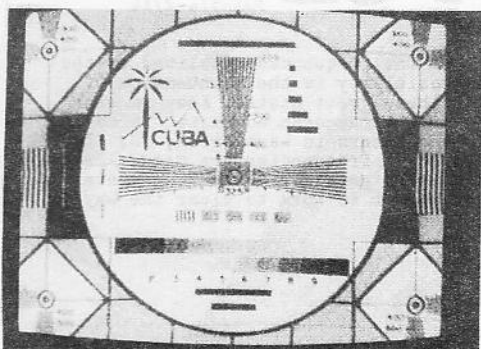
**YOUR NEWS IS NEEDED...** If you spot an article or news item in a local paper that would be of interest to WTFDAers, you are invited to forward it to this editor for coverage. Items relating to FCC station news should still be sent to the proper FCC news editor.

73, Morrie

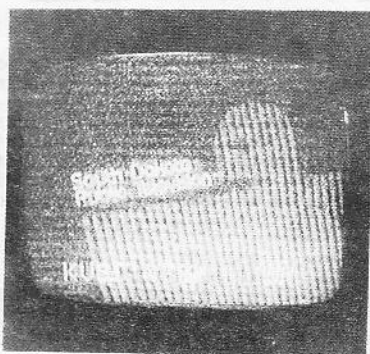


**kezi-tv**  
has what you're looking for...

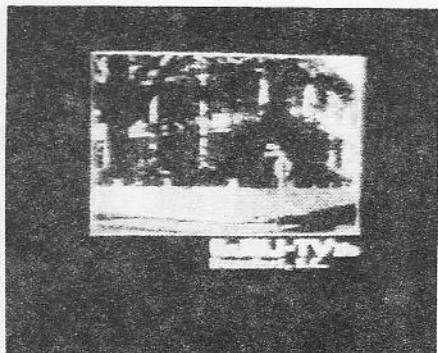
October, 1978



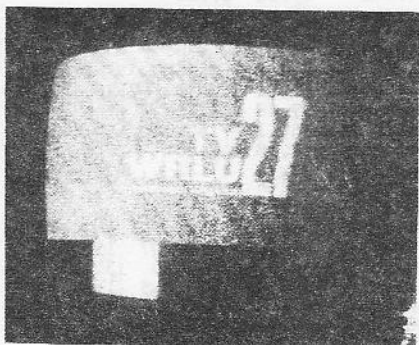
ICR2- 5 Santa Clara, Cuba  
1,410 mile E-skip (Gaines)



KUSD- 2 Vermillion, SD  
E-skip (Pizzi)



WJWJ-16 Beaufort, SC  
290 mile tropo (Combs)



WRLU-27 Roanoke, VA (now off)  
405 mile tropo (Gould)



WKYC- 3 Cleveland, OH  
E-skip (Simon)

Be sure to take a good look at Paul Gaines' photo of the ICR "Palm Tree" test pattern. Of all the photos of that Cuban network's test pattern your editor has ever seen, this month's is the best!

My thanks to this month's contributors:

Paul Gaines, Detroit MI  
Jim Pizzi, Orcutt CA  
John Combs, Orlando FL  
Jim Gould, Kokomo IN  
Ken Simon, West Palm Beach FL

73 and good DX, *Jim*



IN

## SEARCH OF P&amp;B

Donald L. Blevins  
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Baltimore, MD 21221  
301-574-2714

This month's feature will bring to light the frequencies utilized by the highway administration crews who's responsibility is the maintenance of the highways and byways criss-crossing these great states. Keep in mind this information is only a reflection of the research conducted at the Federal Communications Commission's Headquarters in Washington, DC. It will be up to you to find out just how these frequencies are used. Also note that these frequencies experience thier greatest use during winter storms, as the salt trucks and snow plows get to work to clear the way!

Alabama	151.055				
Alaska	47.04	47.16			
Arizona	151.01	156.225	156.12	156.235	
Arkansas	156.045	156.06	151.07	151.085	
California	47.16	73.30	47.10		
Colorado	47.02				
Connecticut	156.12				
Delaware	47.22	47.34			
Washington, DC	37.94	37.98	453.45		
Florida	47.14	47.26			
Georgia	47.32	47.34	47.40	47.30	
Guam	151.025				
Hawaii	156.135				
Idaho	453.15	453.80			
Illinois	47.14	47.30	47.34	47.38	
Indiana	47.28	47.36			
Iowa	159.18	156.06	156.105		
Kansas	47.18	47.06			
Kentucky	47.14	47.22			
Louisiana	47.32	47.40	47.28	47.30	
Maine	156.045	161.31			
Maryland	47.32	47.40	47.14	47.26	151.04
Minnesota	151.115	151.07	156.075		
Mississippi	47.14	47.26	33.10	156.225	
Missouri	151.04	156.045	156.135		
Montana	47.04	47.16			
Nebraska	47.20	47.08			
Nevada	47.12	47.24	157.41		
New Hampshire	37.94				
New Jersey	156.12	47.14	47.26		
New Mexico	151.085	151.13			
New York	47.22	47.32	47.34	47.40	
North Carolina	47.26	47.32	47.38		
North Dakota	452.80	452.85	151.04	151.055	151.085 151.10
Ohio	159.165				
Oklahoma	151.115	151.025	156.06		
Oregon	47.18	47.06	47.04	47.16	
Pennsylvania	47.30	47.28	47.14		
Puerto Rico	159.18	156.045			
Rhode Island	151.115	455.95	37.96	159.165	
South Dakota	159.00	37.96			
Tennessee	156.12	47.28	47.36		
Texas	47.02	47.06	47.08	47.18	
Utah	151.115	47.12			
Vermont	47.22	47.34	75.70	453.85	
Virginia	47.22	47.34	47.28		
Washington	47.02	47.10	47.20	47.24	
West Virginia	47.28	47.36			

The original format of this feature has been changed with the concept in mind that readers will hear from other areas regarding their own areas. My thoughts on this area are that knowbody can tell more about a region than someone living there. Please also note that I have omitted three states because I could not locate files on Massachusetts, South Carolina and Wisconsin. Many thanks to my reporters, for it this input that makes IN SEARCH OF PBB a success. Also note that pager lists are still available free for a BASE.

Bill Phillipson  
18954 Pendergast Ave.  
Cupertino, CA 95014

Santa Clara County Parks 151.145  
Santa Clara County Animal Control 453.925  
Bay Area Rapid Transit Police 453.1375  
Golden Gate Bridge Police 482.8375  
San Jose Water Works 158.22  
San Jose Mercury News 173.225  
Pacific Railroad 161.55 - 160.38  
Security 161.4  
Bay Area Rapid Transit 160.86

Pacific Gas & Electric  
Cupertino 153.68 KFB 297 Electric  
Newark 153.68 KMF 227 Electric  
Matcaff 153.68 KDW 458 Electric  
San Jose 48.28 KDL 489 Gas

Lockheed Aircraft:  
153.32 KBZ 528 Security  
462.425 Trucks

California Civil Air Patrol 148.15

Automobile Association of America:

150.965 San Jose KMF 828  
150.92 Alameda County KMF 607

De Anza College:  
151.955 Cupertino KJZ 369

Taxi:  
Sunnyvale 152.39 Sunnyvale Cab  
Redwood 152.39 Redwood Cab

Paul Petosky  
Box 537  
Ann Arbor, MI 49862  
reports:

A new NOAA weather radio will go on the air on the air in Houghton, MI 162.4 as per Marvin Shimp of the National Weather Service in Marquette, MI

\*\*\*\*\*  
Gary Mullis  
8041 North Boundry road  
Baltimore, MD 21221  
reports:

Bethlehem Steel Company  
Police Department  
Sparrows Point 153.32

\*\*\*\*\*  
Thomas J. Yingling, Jr.  
221 Pinewood road  
Baltimore, MD 21222

reports:  
Washington Gas Light Company  
47.90-48.50-153.68-451.20  
451.175

\*\*\*\*\*  
Randy Dorman  
8113 Spaulding Circle  
Seyern, MD 21144

reports:  
Washington Metro Transit  
Police 161.385

\*\*\*\*\*  
David Wilson  
1473 Waterloo road  
Suffield, OH 44260

reports:  
Along with 42.06:  
Ontario Provincial Police  
also use 42.22 mhz

\*\*\*\*\*  
John Sevier  
449 East 28th Street  
Baltimore, MD 21218

reports:  
Delmarva Power & Light  
37.62 37.76 48.30 48.24



# VHF UTILITY DX

Pat Dyer  
5315 Silvertip Drive  
San Antonio, TX 78228  
Deadline: 5th of month

OCTOBER 1978

Late 50-MHz news - Aug 24 0900 Z, Hilo, HI to Australia (TE); Sep 2 2150 Z Ohio heard Argentina (LU3EX) (Es-F2); Gibraltar beacon (ZB2VHF) will soon be on 50.035 (from 50.003); French beacon off due to antenna and other problems, will re-locate; Korea beacon (HL9WI) on 50.085

My loggings. Hallicrafters SX-62 with 30' wire @ 12' nw-se run; Swan 250, Ameco navistor preamp, 5-el horiz. Cushcraft yagi @ 23' w/rotor; All F2 (bs-navscatter) with daily peak MUF noted; GMT used

<u>8-7:</u> 1830 37.62	<u>18:</u> 2130 42.03	<u>31:</u> 1735 35.28
<u>8:</u> 2359 35's bs	2335 43.58 bs	1950 35.62 bs
<u>9:</u> 2028 40.07	<u>19:</u> 1915 41.63	<u>2-1:</u> 1820 35.62 bs
<u>10:</u> 1855 30.30	<u>21:</u> 2100 35's bs	2120 35.28
2210 35's bs	<u>22:</u> 2015 mid-36'	<u>2:</u> 2335 49.63
<u>11:</u> 2155 49.58	<u>23:</u> 2100 mid-36	<u>3:</u> 2335 mid-36
<u>12:</u> 1940 35.28	<u>25:</u> 1815 32.96	OK City bs
<u>13:</u> 2100 hi-35	<u>26:</u> 2030 38.55	V. of Chile
<u>14:</u> 1910 36's	<u>27:</u> 2100 low-31	<u>4:</u> 2136 49.85
<u>15:</u> 1935 37.000	35's bs	<u>5:</u> 2015 hi-30 US
<u>16:</u> 2110 37.11	<u>28:</u> 1750 37.58	2210 49.92
<u>17:</u> 0110 mid-31 US	<u>29:</u> 1805 low-36	
2115 44.50	<u>30:</u> 2100 38.85	

OK City 35.58 voice pager; Voice of Chile 30.36 (apx) harmonic

also noted 50-MHz 2Es on Sep 2 (2000-2200) to Puerto Rico, Bermuda, and Venezuela. rare at this time of year after a poor August of Es; -several frequencies just below 6-m (e.g., 49.58/.63/.68/.73/.78) noted are believed to be from Colombia/Bolivia/Argentina in on F2

Large aurora caused by the largest magnetic storm of the year on Aug 27-28 was reported visible as far south as Santa Fe, NM

Solar flux, after dropping below 100 for the first time since January, rose within a week to the 170-180 range. That represents the highest flux in a September since 1960.

Swiss sunspot predictions have the smoothed number for December at 117. That's higher than the peak smoothed value for Cycle 20.

Another recent prediction on Cycle 21 has a peak in late 1979 of just over 200 (sunspot number), with a 66% chance it will fall within the 160 to 250 range. That's getting into the size of the record Cycle 19.

With all this the fall F2 season should easily be the most active since the 1968-1970 period. This will be maybe the best chance to catch the BBC TV signals before they move them from low-VHF (see p. 10 Aug VUD). With the right conditions the transcontinental MUF might get to the 50-54 MHz region (or more).

I have available an abstract of Texas stations in the 30-50 MHz band from the Feb 1971 (and update Aug 1972) ITU list. It runs some 12 pages. A lot of the police/fire can be found elsewhere, but a lot of the business listings might not be so easily located. \$2 to cover Xerox and mailing costs. (in ascending frequencies then alphabetically by town) Can be very useful in identifying all those KK-### calls in Texas.

73, Pat WA5IYX

## MIKE DALTON TUNES IN HIS DOUBLE SKIP PREDICTION

August turned out to be another lackluster month for dx, with one dxer calling it the worst ever. However, looking back to mid June, a double hop logging, stretching from Florida to California, was made by Mike Dalton, fulfilling his prediction made in the August column. In light of a poor skip season it is interesting to note how exceptionally wide the skip distances have been, ranging from 450 to 2255 miles.

In other modes, only a handful of MS loggings relating to the August Perseids were reported while tropo were up to a certain extent with the best stretching from West Virginia to Missouri.

### Mike Dalton, 1840 Drew St., Clearwater, FL 33515, June 15 to August 12, 1978

Equipment used: stack of Finco FM-4G paired vertically for 12 elements in the horizontal plane, fed with baluns & coax to a Dalton Audio modified and stabilized SAE MK 8 digital tuner. Set-up similar to this at home (about one air mile away) but have one antenna. Taped.

June had about 4 reasonable days for Es activity here, July had 3 short openings and August to the 20th proved to be a big nothing. This is the worst DX season I have gone thru. We can't even get a good tr shot into New Orleans now-a-days, only hearing fringe area of our normal reception area. I have also noted a decrease in the meteor activity which is somewhat unusual. It is just plain dead. If something doesn't happen soon, I'm going to have to go back to photography as a hobby!

I really worked for the few stations I added as I practically threw people out of the store to concentrate on the DX. This summer has provided some very unusual DX or lack of DX. The weather patterns for Florida have been unusual too, with massive amounts of hot, stagnant air over this area.

My buddy, Earl Lyons and I have been grumbling about the bad conditions. We have watched the band very closely, but to no avail. There has been some minor tropo activity which I haven't bothered to report; during some of these openings I haven't bothered to listen because I knew it would be a waste of time as signal levels were low and it promised to bring in just the usual raft of fringe receptions from AL, GA, FL, MS, LA.

- 6/12
- tr 1012 88.1 WMPR SC Sumter
  - 1016 92.9 unid WDCS, Dillon, SC??, EZ
  - 1030 92.9 WGOV GA Valdosta, nx, ads
- 6/15
- Es 1050 88.9 KEFR TX Commerce, nx, ID, wx
  - 1053 89.9 KACV TX Amarillo, ads, nx
  - 1058 90.1 KCSG OK Edmond, nx, ID, MOR
  - 1105 91.7 KOSU OK Stillwater, \$
- Tr receptions from northern FL & GA
- Es 1119 92.9 KBEZ OK Tulsa
  - 1125 90.7 KOCB MO Joplin, gospel
  - 1128 90.7 KWMU MO St. Louis
- 6/19
- Es 1032 92.5 WMJG NY Rochester, ID, Magic 92"
  - 1038 92.5 WPAH OH Alliance, nx, ID
- tr
- 92.5 WPAP FL Panama City
- Es
- 1052 92.1 WLEM MI Bad Axe, EZ, ID
  - 1058 88.7 OJOM OH Windsor, ID
  - 1055 88.3 KESD SD Brookings, nx, rk, ID
  - 1045 88.3 WIAA MI Interlocken
  - 1041 90.5 KXCV MO Maryville??, big band
  - 1105 92.1 WLEW MI Bad Axe, ID, wx, nx
  - 1105 92.1 unid Detroit area, nx, police
  - 1106 92.3 KOEL IA Oelwien, cw
  - 1115 92.5 WMEH OH Toledo, rk, ID
  - 1145 93.5 WSGH VA Staunton, ID, ads, nx
  - 1148 93.5 WCPA PA Clearfield, ID, EZ, nx
- tr
- 1154 93.7 WPUZ FL Ocala
- Es
- 1158 93.7 WPCJ OH Miamisburg, REL
  - 1207 94.3 WMOA OH Marietta, nx, OH valley
  - 1208 94.5 WPEZ PA Pittsburg, rk, ID
  - 1210 94.3 WDIJ OH Marion, ads, ID
  - " 94.3 WJLK NJ Asbury Park, wx, ID
  - 94.3 WTCO MD Salisbury, MD wx
  - 1213 94.7 WMJC MI Detroit, Detroit wx
  - 94.7 KYTN ND Grand Forks, (tent.)

- 6/19
- Es 1105 92.3 unid "92 X", rk
  - 1125 92.9 WJAI OH Eaton, wx, "WJ-93", EZ
  - 1135 93.1 WDRQ MI Detroit, rk, ID
  - 1218 94.7 WJMD MD Bethesda, EZ, ads
  - 1227 95.1 WXIL WV Parkersburg, rk, ID
  - 1236 95.1 WQNZ MS Natchez, rk, ID
  - above 96 all FL....
- 2Es
- 11306 90.1 KCEB CA San Luis Obispo, jz, 2255 mi.
  - " 90.1 KSCS OK Edmond, ID, nx
  - 1316 90.1 KUNM NM Albuquerque, cl, ID 1500
  - 1319 90.1 KCEB CA San Luis Obispo, jz
  - (in with very weak mono through other fading stations)
  - tr 1320 90.7 WKGG FL Panama City
  - Es 1355 90.1 KUNM NM Albuquerque
  - 1407 band just died completely
- The above DX started out with very ho hum receptions, although I was glad to get new stations. Toward the end of opening we snagged two far ones. We have received confirmation for the San Luis Obispo. This brings up an interesting observation. For the last years during even years we get California (1974-76-78). I think this means the weak ones come in yearly; I've only been lucky to hear them every other year! I suppose it is possible that there is some type of two year cyclical phenomenon, but I think this points up that there is some far out DX possible more often than we are normally aware. I'm still in a frazzle looking for the new states MT, WY, OR, WA, NV, ID. Where are they? I'd like to add some new states.... By the way, the CA catch is about the only good thing so far this season here but poor reception at that-not \$ as in '76.

Dalton, cont.



6/20  
 tr 1010 92.5 WFYN FL Key West, ID, ads, EZ  
 (rarely received)  
 Es 1051 90.1 WMBI IL Chicago, nx  
 1105 99.9 KAUS MN Albert Lea, (tent), EZ  
 1130 96.7 WJHN IL Normal, nx, ID  
 1132 96.5 WMT IO Cedar Rapids  
 1140 96.3 KSAY IO Clinton, ID, wx, REL  
 1150 95.9 KILR IO Estherville, rk, ID  
 1202 95.3 KCFI MN Albert Lea, rk, town  
 1200 95.3 CKDS ON Hamilton, wx, rk,  
 1204 95.1 KWQA MN Worthington, wx, nx  
 1207 94.7 WJFC MI Birmingham, "Magic95"  
 1215 94.5 KKEZ IO Fort Dodge, ID  
 1218 94.1 WTN WI Watertown, EZ, ID  
 1228 92.9 KFMD IO Dubuque, D93, ID  
 1233 92.3 KOUL IO Olwein, cw, ID  
 1235 91.7 KSUI IO KSUI, (tent)  
 1300 96.5 KNHC SD Sioux Falls, REL, ID  
 (Tr level apparent again aroundstate)

6/24  
 Es 1005 90.1 WUSB NY Stonybrook, ID  
 1008 92.3 WPHO RI Providence, "92 Pro"  
 1010 92.5 WHAV MS Haverhill, rk  
 1017 92.5 WJYZ CT Waterbury, EZ  
 1032 92.9 WPBC ME Bangor, rk, wx, ID  
 1039 93.1 WMGX ME Portland, "Magic", rk  
 1042 94.3 WJDE ME Biddeford, wx, ads  
 1050 98.9 WKXA ME Brunswick, cw, ID, wx  
 1058 97.1 WBGW ME Bangor cw, ID, ABC  
 1102 97.1 WJMI MI Detroit, FM97, nx, ID  
 1108 101.3 WSUE MI Sault St. Marie, rk  
 1118 100.9 WYD CT New London, ads, ID  
 100.9 WLOB ME Westbrook, rk  
 1119 101.7 WLYN MA Lynn, for. lan.  
 tr 1123 102.1 W7AT GA Savannah  
 Es 1125 88.9 WERS MA Boston, rk  
 tr 1129 97.3 WKLM GA Savannah, 97 rock  
 Es 1134 89.3 WMHT NY Schenectady, (tent)  
 1134 88.3 WIAA MI Interlochin (tent)  
 1135 88.9 WERS MA Boston, rk

Faded out to nothingness, Tr still in but not to new area--back to work! After the morning opening, I thought we would be finished for the day but a very unusual opening occurred. From the north the opening reversed direction and a sporadic E opening of unusual intensity opened to Mexico City (We hear by Tr often also by weaker Es at times). This was a super opening and I logged almost all stations in the Mexico City area. The opening was very intense but over a very limited region near Mexico and surroundings. Because of the conditions, I took the liberty to make detailed notes for Bruce's atlas of formats, etc.--explained at end.

6/24  
 Es 1415 88.9 XHM DF Mexico City, \$LRS, 2 1/2 p  
 1429 89.3 XHNP Puebla Pue., 1  
 \$, ELS "Esterio Mundo"  
 1420 97.7 XERC-FM, Mexico City.  
 \$, 1 1/2, RS, "Radio Heeds"  
 (all following from Mexico City)

1423 99.3 XHFOE, \$ES "Musica Felice"  
 1430 100.1 XHMM, RS, "Estereo Cient", M  
 1435 101.7 XEX-FM, LS  
 1435 100.9 XEOY, LS "Nuclear Radio, M  
 1440 104.9 XHST LS, M, 1/2  
 1442 105.7 XHOF, ELS (MOR EZ)  
 106.5 XHDFM-no reception, off air??  
 1443 96.9 XEM-FM, LS, (Latin rock)  
 1445 96.1 XEUN-FM, E (MOR)  
 1445 95.3 XHSH, LS  
 1447 93.7 XEJP-FM, LS, "Radio Joya"  
 1449 92.9 XEQ-FM, LS "Radio Felicitado"  
 mono broadcast  
 1451 92.1 XHFO, AL, rk, mono broadcast  
 1453 90.5 XEDA-FM, ALS (MOR/rock), M  
 1456 89.3 XHNP, El Tuga del Puebla  
 Estereo Mundo, Universal Music  
 1458 88.9 XHM, LRS, (MOR), \$, 1/2  
 1458 92.5 XHSRO NL Monterrey, ALS, \$  
 1500 90.1 XHXL NL Monterrey, R, M, 1+  
 1530 91.1 JBC-FM Coopers' Hill, Jamaica  
 RM, mixed, English  
 1543 90.5 RJR Spur Tree, Jamaica,  
 race results  
 1625 91.3 XHOK Mexico City, R, new mode  
 1628 92.5 XHSRO Monterrey, NL, ALS, \$, nx  
 1638 95.1 XHHH Irapuato, GTO, RLS, \$, 1p  
 1640 96.1 XEUN-FM Mexico City, E, (MOR)  
 Fade out and time to go home for supper..

LEGEND FOR ABOVE: A American songs  
 S ann. in Spanish  
 R American rock  
 L Latin songs  
 E easy songs / inst.  
 M mono, \$ stereo  
 MOR- probably mainly  
 inst. & no vocals  
 numbers are signal  
 meter readings  
 P=peak reading

6/27  
 Tr 1000 88.9 WPHV SC Rock Hill, SC ed. net  
 1012 90.1 WTSU AL Troy, EL  
 1028 89.0 carrier, no mod.; disa-  
 peared, ?? could this be new station in  
 Tampa?

6/29  
 Ms 0801 90.9 HOHM Chitze, Panama, \$, 1/2  
 (This is the only Spanish station known on  
 this frequency.)

6/30  
 Es 0940 92.1 KBLJ CO La Junta, nx, ads  
 0938 92.1 KUUL CA Madera, nx, floods  
 1000 92.9 KSPZ CO Colorado Springs, ID, nx  
 99.9 KLUR TX Wichita Falls, nx, ads  
 0838 93.7 KCFM MO St. Louis, "FM 94", rk  
 0845 93.1 KHUY MN New Ulm, "Rogers Farm  
 Radio Net", country nx, towns, ads, ID  
 0858 100.3 KATT OK Oklahoma City, rk, ID  
 0845 93.1 WDRO MI Detroit, rk  
 0923 94.1 KAMO AR Rogers, rk, "K94", ads  
 0927 94.1 KCKN KS Kansas City, "Country 94"  
 0931 90.9 KUNI IO Cedar Falls, wx, ID  
 1010 96.1 KHOB San Luis Potosi, SLP, MX  
 1030 96.1 KJFM TX San Antonio, REL, ID  
 1050 96.3 KSCS TX Fort Worth, "Silver  
 Country Stereo", ads  
 1052 96.5 KAUM TX Houston, ads  
 1100 96.7 KGTN TX Georgetown, mono, ID, REL  
 1105 100.1 WJBD IL Salem, ads, nx  
 100.1 KYFM OK Bartlesville, "FM-100", t  
 1107 100.1 unid Hyde Park Lake, ads, MOR  
 1115 100.5 KATT OK Oklahoma City, rk, ID  
 1110 100.2 KZZY TX San Antonio, "KZ-100", rk  
 1123 101.9 KOKT TX San Antonio, EZ  
 1119 101.9 KINX CO Colorado Springs, (tent)  
 1130 101.9 KVAS TX Amarillo, REL, ID  
 1123 101.7 unid mentioned Highland Park,  
 Arcadia, US #17, country, grain, \$  
 1140 104.3 KVBG KS Great Bend, "FM 104",  
 ID, MTR, wx, "Music for the two of us."  
 1210 96.9 KNID OK Enid, EZ, "FM 97", ID  
 1206 97.7 KCTR ON St. Catharines, ID  
 1212 96.1 KEFM NE Omaha, "\$ 96", rk, ID  
 1228 95.9 KKBL MO Monett, ads  
 1230 95.9 unid Kansas City market reports

cont.

6/30

Es 1234 95.9 **KDHL** MN Fairbault, wx  
 1236 95.1 **QBUN** OH North Bay, Farm nx  
 1240 94.7 **KPTS** MO Springfield, ads, ID  
 1242 94.7 **KSHE** MO St. Louis, jz  
 1245 94.3 **WCLL** IL Chillicothe, "FM 94"  
 1252 94.3 **KVDB** IO Sioux Center, EZ  
 1255 94.5 **KVEZ** IO Fort Dodge, EZ, ID  
 1258 94.5 **KSTP** MN St. Paul, "KS-95", rk  
 1307 94.3 **KDUM** MN Windom, wx, ID  
 1316 93.7 **WAYL** MN St. Paul, ads,  
 1318 93.7 **KGIM** IO Carroll, rk  
 1319 93.5 **KRMQ** MN Benson, swap shop, mono  
 1326 93.1 **CHAY** ON Barrie, EZ, ID  
 1328 93.1 **NZAK** OH Cleveland, SS, ads  
 1332 92.9 **KGRC** MO Henibal, wx, ID, ads  
 1335 92.7 **KELO** SD Sioux Falls, EZ, 4 1/2  
 1339 92.7 **HLG** IO Algona  
 1337 90.1 **WOI** IO Ames, nx  
 1340 92.1 **KTGA** IO Fort Dodge, REL, mono  
 1347 100.1 **KMHL** MN Marshall, cw, ID  
 1351 99.9 **KAUS** MN Albert Lea, rk, (tent)  
 1355 99.9 **KGOR** NE Omaha rk  
 1355 100.1 **KELE** MO Aurora, cw, ads  
 1400 101.9 **WDEZ** WI Wausau, EZ, ads  
 1400 101.9 **KWAS** TX Amarillo, REL  
 1412 105.3 **CFCA** ON Kitchener, EZ, ads  
 tr 1414 105.7 **WRSS** AL Troy  
 1426 107.3 **WCGO** GA Columbus, ads  
 Band died--for Es. I didn't log some of the  
 tr receptions made (long as it is); however,  
 Tr level seemed high through Es opening  
 and allowed us to get new one in GA.

7/3

tr--as suspected from weather pattern  
 1400 92.5 **WFYN** FL Key West, ID, EZ, ads  
 no sign of Jamaica, Cuba.

7/7

Es 1007 88.5 **KUMR** MO Rolla, (tent)  
 1010 90.1 **WOI** IO Ames  
 1008 88.7 **MSIE** IL Edwardsville, nx, tent  
 1009 88.7 **WERN** WI Madison, (tent)  
 1050 90.1 **KSCS** OK Edmond, ID, M/R  
 1045 90.1 **WOI** IO Ames, (tent)

7/10

Es 1050 89.0 Radio Maiba, Dominican Re-  
 public, Spanish, MOR  
 1119 88.6 Radio Mirador Estero,  
 Dominican Republic, Spanish songs, ID

There were two good things that happened this summer. First there was the California reception. There was also the opening into Mexico which clarified music formats for my log and gave me a chance to hear a few new Mexican stations as well as adding a new political unit. Some of the stations were not new, but the reception mode was new--Es. There was the 90.9 Spanish HOHM via Ms which provided me with a new mode for that station and only my second known station via Ms. I always seem to hear very little via Ms and this is very frustrating! I was really enthusiastic about seeing all the SFM openings into ID, OR, MT, etc. This gives me hope I will be able to link into one of those to get some new far out states via 2Es. The state of Delaware has still escaped me, also Wyoming; I see from the log there are few stations there, and many are under some of my locals. Oh, well.... maybe someday.

7/11

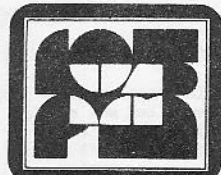
Es 1110 90.3 **WBGL** IN Fort Wayne, REL  
 1113 90.9 **WILL** IL Urbana, (tent), strong  
 1115 92.1 unid MI North Cullus??, rk, mono  
 1119 92.1 **KMOE** MO Butler, ads  
 1124 92.1 **WETC** IL Charleston, ads, rk  
 1140 92.9 **KBID** TX Wichita Falls, ID  
 1200 92.9 **KSVF** NM Artesia, EZ, ID  
 Band fades out to tr locally until 10 min-  
 utes later.  
 1215 93.9 **KPAS** TX El Paso, rk, ID, "on Pas"  
 then faded out for good  
 7/12 1215 90.3 **WHRM** WI Wausau, cl mx  
 Es 1205 88.3 **KCKC** IO Cedar Rapids, wx, nx, M  
 1207 88.3 **WHRM** WI Menomonie, wx  
 1208 88.9 **WLSU** WI La Crosse  
 1210 89.5 **KKRE** IO Cedar Falls, cl, NPR  
 1213 89.9 **WESA** WI Brule, cl mx  
 1215 90.3 **KMTT** IO Sioux City, talk show  
 1215 90.7 **WHLA** WI La Crosse, WI net  
 1218 91.3 **KSUI** IO Iowa City  
 1221 92.3 **KOEL** IO Olwein, farm prices  
 1233 92.7 **WDUX** WI Waupaca, rk  
 1236 91.1 **KSJN** MN St. Paul  
 1250 94.5 **KSTP** MN St. Paul, "KS-95", ads  
 tr 1254 96.3 **WJIZ** GA Albany, band faded out....  
 This was a short one--didn't get a chance to  
 tune up too high due to slow ID process at end  
 of band.

7/25

Es 1200 90.1 **WBI** IL Chicago, ID, REL  
 1443 91.7 **KSUI** IO Iowa City, cl mx  
 1500 92.1 **WTAW** TX College Station, ID, rk  
 1501 90.9 **KAMU** TX College Station, rk, ID  
 1507 92.3 **KNFM** TX Midland, rk, ID  
 1510 93.1 **KQIZ** TX Amarillo, "Z 93", rk, wx  
 1517 94.1 **KBUY** TX Amarillo, rk, under local  
 1533 96.3 **KLLL** TX Lubbock, cw, ID, "Triple L"  
 1535 95.3 unid "K 95", rk, top 40  
 1545 97.5 **KWTX** TX Waco, ads, towns  
 band faded out to some state wide Tr and other  
 regular fare.

8/12

Es 1147 91.1 **WIBI** IL Carlinville, EZ, REL  
 tr 1153 92.5 **WPAP** FL Panama City  
 Es 1244 90.9 **KOHM** MO Warrensburg, nx, (tent)  
 1245 90.9 **WILL** IL Urbana, Italian song, (t)  
 1248 91.9 **WSIU** IL Carbondale, German



**kvro**  
 stillwater stereo

One of the lowest powered  
 commercial FM stations in  
 America.

Pat Dyer, WAFIYX, 5315 Silvertin Dr., San Antonio, TX 78228, Aug 1-31, 1978. (CST)  
 Equipment used: Hallicrafters SX-62 with International Crystal SAX-1 preamp; six element Archer FM antenna at 20 ft. with rotor. New underlined. t-tentative.

8/3	tr 0516 KVPI 93.5 LA Ville Flatte, ID 385	Es 0958 KCRwt 89.9 CA Pasadena 1185
	0529 KQXY 94.1 TX Beaumont, ID 175	8/11
	<u>KEPT</u> 96.5 LA Shreveport, ID 350	tr 0932 KQXY 94.1 TX Beaumont, ID 275
	Es 1005-104C unIDs mostly 88-92, MUF 92.3	(tr messed up the meteor monitoring)
	tr 1010 KYKR 93.3 TX Fort Arthur, ID 280	8/12
	1051 KGAF 94.5 TX Gainesville, ID 300	Ms 1054 KFTS 94.7 MO Springfield, wx 615
	Es 1328 KBYut 88.9 UT Provo, cx 1045	8/25
	KUERT 90.1 UT Salt Lake City 1080	Es 2000 KILA 95.5 NV Henderson, REL, ID 1040
	1335 f/out	2003 KEMot 92.3 NV Las Vegas, rk 1050
8/9		2007 KXTZT 94.1 NV Henderson 1040
Es 0950 KCSnt 88.5 CA Northridge 1210		2022 KCSnt 88.5 CA Northridge 1210
KFCSt 89.3 CA Pasadena 1185		2025 KLONT 88.1 CA Long Beach 1180
		2030 KNCBt 97.9 CA Long Beach, EL 1180

A rather meager August showing of FM Es, perhaps the worst I've seen. Just one solid ID on Es for the month.

Trop(in-state variety, mostly) made using the automatic carrier-operated relay system for Perseid bursts very rough. Had to maintain some manual over-ride control of it. Rates on morning of the 12th good except never long enough or at the right time. The one ID was a Ms re-log(1974 Geminids). Major efforts were at the TV anyway(which also suffered from trop CCI).

According to W/N (and other reports) the last week of August should have been tremendous for auroral propagation for those far enough up to get it. Largest magnetic storm of the year. 73.

John M. Jefferson, 1150 Tilson Dr., Concord, CA 94520 - May 29 to Aug. 14, 1978  
 Equipment: Heathkit AJ-15 tuner with Sherwood S-7100 doubling as amp and backup tuner, Winegard CH-6065 FM antenna 40' up and Winegard SC-650 on a tripod in the back yard, 15' up, rotors.

Here's my latest DX, such as it is. 1978 was a disaster for me. Early June was almost totally blank. Just when there was some sign of life, I had to go to Anchorage on business(6/14 to 7/11 and 7/16 to 7/23). From 7/13 to 7/15 there was CCI fairly continuously on ch. 2, but the FM band just never really got started. And since the 23rd, nothing. Such as it is, here it is, (new underlined):

5/29	Es 0900 92.9 KSPZ CO Colorado Springs, ID	6/11	Ms 2135 92.9 KFLG AZ Flagstaff, phone # 600
	0900 94.5 KULL KS Scott City, ID 1125		of sponsor
	0910 93.1 KQIX CO Grand Junction, QFM720	6/12	tr 0020 96.3 KFMI CA Eureka, ID 220
	0915 91.5 KUNC CO Greeley, ID 930	6/13	Es 1750 99.1 KKKK TX Odessa, ads in Sp. 1200
	0925 90.1 KCFR CO Denver 915		1755 92.3 KFIM TX El Paso, ad 990
	0930 103.5 KOAQ CO Denver, Q-103 915	7/12	Gw 0030 89.1 KSCU CA Santa Clara, ID 24
	0933 100.3 KLR CO Denver, ID 915		(in Castro Valley) Would you believe this is
	1030 93.1 KRCS SD Rapid City, ad 1100		it for July? (Well, yeah, that's the way
	1043 94.5 KQDY ND Bismarck, ad 1250		the 'ol atmospheric ball bounces. DB)
	1045 92.9 KYYY ND Bismarck, Y-93 1250	7/13	Es 2035 92.9 KSPZ CO Colorado Spr., Z-93 915
	1125 96.7 KQVW MT Belgrade, ID 760	7/15	Es 1245 92.9 KSPZ CO Colorado Spr.
	(good opening, but not stable enough		1245 94.5 KULL KS Scott City, "Cool", 1125
	to bring in several unids. MUF at least	7/29	and ref. to Scott City
	107.9-probably Ft. Collins, CO at 0940)	tr 90/3 KDVS CA Davis, ID 60	(new logging for Castro Valley)
6/3	tr 0112 92.7 KMFB CA Mendocino, ID 130	8/4	tr 0030 89.1 KSCU CA Santa Clara, ID 39
	(hard to get)		(in Concord)
6/4	Es 0910 92.9 KYYY ND Bismarck, Y-93 1250	8/7	Ms 0150 93.3 unid(Kay...v stereo Y-93 & wx)
	0915 94.5 KQDY ND Bismarck, QD-94 "	8/12	Ms 0420 92.9 KSPZ CO Colo. Spr., legal ID!!
	0915 104.9 KNDR ND Mandan, ID	8/14	tr 0045 93.1 KNX CA Los Angeles, ID 335
	(Intense, stable signals, but little at		
	the end of the pipeline, alas.)		
6/9	Ms 0555 94.1 KYKK NM Humble City, ID 1100		
6/10	Es 1810 92.9 KSVF NM Artesia, ID 1040		
	(plus several unids, prob. Tucson & El Paso)		

Also added KIOII, Walnut Creek, CA to log. It's about 6 miles away, but was really difficult to nail down because KIOI is quite strong here. I'd still be trying but were nice enough to be off frequency slightly on 5/24, so the two signals didn't merge into each other. The totals now stand at 351 for the area, 310 for Concord alone, and 174 for Castro Valley.

-more reports cont.-

Jim Pizzi, 300 Park, Orcutt, GA 93454 - July 24 to Aug. 25, 1978 (PDT)

Equipment used: 10 el. log @65 horz. fed into JVC VT 700 tuner, 10el. log @37 vert. fed into Ameco tuneable pre-amp then to JVC VT 900 digital tuner. Everything in fine working order--knock on wood.

Es season a real bomb here. Very few openings noted. Hope others had better luck.

7/24

Es 1928 KETR 88.9 TX Commerce  
1928 KWLD 91.5 TX Plainview, rk

8/1

Es 1134 KULL 94.5 KS Scott City, ID  
1136 KRLJ 92.1 CO La Junta, cw, ID  
1138 KYE7 93.7 KS Salina  
1140 KGNO 95.5 KS Dodge City, EL "\$ 95"  
1140 KCSJ 97.9 CO Pueblo, EL  
1141 KVMN 98.9 CO Pueblo  
1142 KPUB 99.9 CO Pueblo  
1144 KXXY 100.3 KS Colby, "KX-100", ID  
1145 KMYD 105.5 CO Security, REL  
1148 KKFM 96.5 CO Colorado Springs, \$96'

8/1

Es 1149 KZLO 100.7 CO Pueblo, "Z-100"  
1150 KSTX 103.9 CO Canon City, cw  
1151 KINX 101.9 CO Colorado Springs, rk  
1155 KFNF 101.1 KS Oberlin, cw  
1158 KMJD 92.1 CO Castle Rock, ID  
1204 KVOD 99.5 CO Denver, cl  
1211 KFKZ 96.1 CO Greeley, COI to KUNA  
1212 KBCR 96.7 CO Steamboat Springs, ID  
1215 KUNC 91.5 CO Greeley, cl  
1221 unid 91.9 \$ cl, "art of music"

8/2

Gw 0001 KCSB 91.9 CA Santa Barbara, from 91.5

8/13

Gw 2139 KPRA 92.5 CA Paso Robles, \$rk, was cw

Edward R. Cotton, 4106 2nd St. Chesapeake, VA 23324 - June 11 to July 10

Equipment: Pioneer TX 6500 tuner, inside antenna.

This was one of the worst seasons ever for E's. Sometimes it went 1-2 weeks without one opening.

First, local WHRR-FM, 101.3 is now WDE, 101.3 with adult contemporary mx. It ID's as 2-W-D. Also WKHI, 99.9, Ocean City, MD aired on 6-30-78. Format rock mx, seem very friendly toward DX'ers. (power 100kw) ID's as "100-KHI" Here's what I have this season not including relogs.

6/11

Es 2004 KELO 92.5 SD  
tr 2230 WNAV 99.1 MD  
2238 WDTK 105.7 MD  
2255 WRQX 107.3 DC ex-WMAL

6/12

tr 0006 WJCE 101.3 PA  
0028 WFOC 93.1 MD  
1144 WTH 104.3 MD  
0101 WATR 104.1 MD  
0105 WJFC 99.9 NC  
tr 1855 WJNC 92.5 NC

6/20

Es 1830 CKY 92.1 MAN, CAN., ID as '92City FM'  
2034 CELY 98.3 ONT, CAN, "Y-(1"  
2112 KAOH 94.9 MN, "KO-95"  
2118 KSTP 94.5 MN, "KS-95", o/WRVQ  
2130 KEEY 102.1 MI, o/WRXL, Richmond  
2200 KWIT 90.3 IN  
tr 2222 WODR 94.7 NC

6/24

Es 1110 KDKD 95.3 MO

6/24

Es 1119 KMRJ 96.9 KS, my first FM verie  
1145 WOCN? 94.9 FL

6/26

tr 0641 WAKG 103.3 VA

6/30

Es 1700 KIJV 92.1 SD, cw  
1730 KESD 88.3 SD  
1742 WGHN 92.1 MI  
1747 WKED 92.1 MI  
1754 WOFM 93.3 WI  
1800 WIFC 95.5 WI  
1810 WLST 95.1 WI

7/6

tr 2200 WPGT 90.1 NC, s/off

7/7

tr 0706 WKHI 99.9 MD, ID as "100-KHI"  
2115 WLIF 101.9 MD, "Life"

7/8

tr 0622 WXYX 106.1 NC, "Y-106", MOR  
0630 WPTM 102.3 NC, s/on, cw

7/10

tr 0636 WFMA 100.7 NC, cw

SFM DX WELCOMES THIS NEW REPORTER TO THE RANKS OF AVID FM DXERS

Randall B. Clark, RT5 Dutch Ridge, Parkersburg, WV 26101 - Jan. 7 to Aug. 31, 1978

Equipment: A Radio Shack model "Patrolman-6" with a 30 inch whip for FM and PSB...contending with a 50kw powerhouse station, WXIL 95.1. I'm at 45 ft. above ground level.

All stations are new unless otherwise noted.

1/7 (all tr unless otherwise noted)

0147 WOVE 102.5 PA Pittsburg

1425 WCBE 90.3 OH Columbus

5/6

1535 WYDD 104.7 PA Pittsburg

1633 WGCL 98.5 OH Cleveland

7/7

0200 WRIF 101.1 MI Detroit

0200 WOHG 104.5 MI Detroit

0207 WJZZ 105.9 MI Detroit

5/18

2150 WMMH 100.7 OH Cleveland

2340 WIOT 104.7 OH Toledo

5/19

0130 WMMW 105.7 OH Cleveland

(Strict non-IDER, waited 1 1/2 hours!)

5/22

1100 WEEZ 100.7 OH Springfield

5/22

1127 WGRT 107.1 IN Danville

5/23

0103 WQRS 105.1 MI Detroit

5/25

0028 WSOM 105.1 OH Salem

2110 WMKY 90.2 KY Morehead

5/26

0025 WDUQ 90.5 PA Pittsburg

5/31

0000 WCLW 105.3 OH Mansfield

0623 WTOP 98.1 OH Akron

0658 WJUM 106.3 OH New Lexington

0659 WSHH 99.7 Pittsburg

6/2

0901 WLVQ 96.3 OH Columbus

0905 WMOV 93.7 OH Mt. Vernon

cont.



6/12  
0209 WTHH 95.1 IN Fort Wayne  
0210 WFMS 95.5 IN Indianapolis  
0300 WKSU 89.7 OH Kent  
0330 WAUP 88.1 OH Akron

6/15  
0100 WMRN 106.9 OH Marion

6-19  
1100 WPMI 93.1 FL Miami, E skip  
(first station via Es!)

2042 WUBE 93.1 OH Cincinnati  
2214 WBEX 93.3 OH Chillicothe  
2123 KDKA 92.9 PA Pittsburgh

6/20  
0005 WADW 93.3 OH Cincinnati  
0201 WFRM 96.9 PA Braddock  
1138 WQUE 93.3 LA New Orleans, Es  
1327 WMEH 92.5 OH Toledo  
1850 KKDQ 92.9 ND Grand Forks, Es  
1903 KEYA 88.5 ND Belcourt, ES

6/22  
1026 WZZF 106.5 OH Cleveland  
0202 WDBA 107.3 PA Dubois

6/23  
0200 WBIR 103.5 TN Knoxville, new state and  
under severe CGI from WQAW

1117 WPRE 107.1 OH Circleville

6/26  
0929 WEEP 107.9 PA Pittsburgh

6/30  
1300 KSYM 90.3 TX San Antonio, Es

7/1  
1630 WMOO 101.3 OH Ashland  
(My receiver becomes disabled as my dial  
cord breaks and is out for 3 weeks!)

7/31  
0759 WOSU 89.7 OH Columbus  
0830 WFTM 95.9 KY Maysville  
(While WKIL off had severe 60 ops hum.. They  
were knocked off by lighting.)

8/1  
0109 WBKY 91.3 KY Lexington

8/4  
0008 WFAH 92.5 OH Alliance  
0058 WSRD 101.1 OH Youngstown  
0206 WKEN 98.9 OH Youngstown  
0305 WYEP 91.5 PA Pittsburgh

8/6  
2255 WNUF 100.7 PA New Kensington

8/8  
0134 WCLG 100.1 WV Morgantown

8/9  
0205 CFCA 105.3 OH Kitchener, a new country,  
through WKLC, very good!

0236 WIMA 102.5 OH Lima  
1039 WVUD 99.9 OH Kettering  
1042 WQLK 96.1 IN Richmond  
1051 WNAF 93.1 IN Indianapolis  
1131 WZAK 93.1 OH Cleveland

8/14  
1228 WNUZ 103.5 MI Detroit, UNDER WQAW!

8/15  
0816 WCJO 98.7 OH Jackson, not listed in  
Comm. World as I use this for my main ref.  
guide. (FM atlas has it at 97.7. DB)

8/17  
0106 WQRK 104.5 VA Norfolk, (tent)  
0110 WLEL 104.9 OH Lorain  
0231 WPEZ 94.9 PA Pittsburg  
0239 WQHI 95.7 IN Jefferson, thru WKIL  
0240 WHOK sig. thru WKIL, tremendous junk  
0302 WSAI 94.1 OH Cincinnati

8/18  
2313 WGOH 102.3 KY Grayson  
2322 WBBY 103.9 OH Westerville

8/21  
1145 WSGS 101.5 KY Hazard  
1127 WEPG 98.7 MI Detroit  
1256 WWRV 89.1 VA Roanoke, new state  
1302 WLRJ 92.3 VA Roanoke  
1304 WCAK 92.7 KY Catlettsburg, weak  
1345 OKLV 93.9 ON Windsor, nice one!  
1905 CJOM 88.7 ON Windsor, as above!  
2256 WFRB 105.3 MD Frostburg, new state  
2310 WDET 101.9 MI Detroit  
2318 KGRC 92.9 MO Hannibal, new state, QLSed!  
2354 KTJJ 98.5 MO Farmington

8/22  
0006 WBCL 90.3 IN Fort Wayne  
0010 WDRQ 93.1 MI Detroit  
0830 WACE 98.3 IL Paris, new state  
0900 WQUM 91.7 MI Ann Arbor  
1400 WFPL 89.3 KY Louisville  
1831 WFIU 103.7 IN Bloomington, w/ ed. prog. NPR

8/23  
0030 WUOL 100.5 KY Louisville  
1058 WQFM 93.3 WI Milwaukee, new state  
1102 WJAI 92.9 OH Eaton  
1130 WMBI 90.1 IL Chicago, thru WKIL  
1200 WQED 89.3 PA Pittsburg  
1300 WDDR 90.1 Cedarville, thru WKIL  
1320 WKKX 101.1 IL Chicago  
1401 WBBN 102.7 OH Cincinnati  
1904 WYBZ 100.7 IN Elkhart  
2020 WHBC 94.1 OH Canton  
2022 WKDD 96.5 OH Akron  
2030 WNUK 102.1 MI Kalamazoo  
2034 WELA 104.3 OH Liverpool  
2125 WTAS 102.3 IL Crete  
2202 WHPB 99.9 MI Benton Harbor  
2246 WANK 93.3 IN Kendallville  
2310 WITL 100.7 MI Lansing  
2316 WJEZ 104.3 IL Chicago

8/24  
0035 WAVA 102.1 WI Milwaukee  
0123 WOTE 91.3 OH Toledo  
0146 WOOD 105.7 MI Grand Rapids  
(opening petering out by 1000 EDT)

(Randall, you seem to be having the same  
kind of ball I had back during my first  
days of FM DXing, DB)

Hello, everyone! I hope your DX was as good as mine!! As my loggings show, that "super" tr opening of the 21st-24th was something else!! I've never seen the low tv bands so jammed!! UHF was super too!. I've just gotten into FM DXing and I love it! WVAF 99.9, Charleston, WV was off for a few days for modifying their antenna. Seems some people are complaining of weak signals. When I can hear them city grade at 90+ miles. Maybe I'm in their main lobe, Well any way the best of dx to one and all. Sincerely, Randy.



-Reports continue next page-

Rick Samford, 404 S. McNeill, Burnet, TX 78611 - Aug. 4 to Sept. 4, 1978 (COT)

Equipment: Kenwood KR-5400, 10 el. Archer FM with Balden #8230 T-line at 24 ft., rotor	
8/4 (all tr)	8/17
0755 KRIX 99.5 TX Brownsville 340	0814 WLIN 95.5 MS Jackson 500
0759 XHJD 98.9 NL Monterrey 365	0817 WZZQ 102.9 MS Jackson
0806 KDUV 100.3 TX Brownsville 340	0823 KXKZ 107.5 LA Ruston 360
8/11	0828 KOSY 102.5 AR Texarkana 305
0932 WAFB 98.1 LA Baton Rouge 435	0850 KNOE 101.9 LA Monroe 385
0937 KTDY 99.9 LA Lafayette 385	0858 WQWV 98.7 MS Vicksburg 460
8/12	0900 KINF 107.3 OK Poteau 360
0754 KASO 95.3 LA Minden 320	2258 KEAZ 101.7 LA De Ridder sign off 300
0759 KTBC 92.1 TX Nacogdoches 220	2334 KTDY 99.7 LA Lafayette 385
0801 KMHT 103.9 TX Marshall 255	2359 WAFB 98.1 LA Baton Rouge, sign off 435
0806 KWEZ 104.1 LA Monroe 385	8/18
0812 WJMI 99.7 MS Jackson 500	0006 KPMF 102.5 LA Baton Rouge
0813 KEPT 96.5 LA Shreveport 290	0025 KROP 104.9 LA Abbeville 380
0817 WLIN 95.5 MS Jackson 500	0746 WJMI 99.7 MS Jackson 500
0820 KROK 94.5 LA Shreveport 290	0757 XHJD 98.9 NL Monterrey 365
0823 KNOE 101.9 LA Monroe 385	8/21
0826 KXKZ 107.5 LA Ruston 360	0841 KWOE 106.9 OK Clinton 325
0829 KLGR 102.3 TX Center 250	8/23
0854 KREB 106.1 LA Monroe 385	0828 XHJD 98.9 NL Monterrey 365
(Fairly rare, sandwiched between 106.1	0846 KRIX 99.5 TX Brownsville 340
regulars KONT & KIOC.)	8/24
0901 KMAR 95.9 LA Winnsboro 405	0026 KGRA 103.7 LA Lake Charles 310
8/14	0030 KLCL 99.5 LA Lake Charles 310
0802 KINF 107.3 OK Poteau 360	0049 KTQQ 100.9 LA Sulphur, "Q-101" 300
0811 KLEN 93.3 OK Ada 285	(Very selective trope w/KGRA & semi-regular
0816 KRRQ 92.1 OK Ardmore 240	KSNS 96.1 in much stronger than all Tri-
2315 KDUV 100.3 TX Brownsville 340	angle stations, yet nothing beyond them.)
2332 KRIX 99.5 TX Brownsville	0745 KVVP 105.5 LA Leesville 300
8/15	0748 KMHT 103.9 TX Marshall 255
0755 WJMI 99.7 MS Jackson 500	0749 KLGR 102.3 TX Center 250
8/16	0759 KKTG 95.9 TX Kilgore 225
2334 KTDY 99.9 LA Lafayette 385	8/25
2357 KHYS 98.5 TX Fort Arthur 260	0853 KQIP 96.9 TX Odessa 255
2359 KGRA 103.7 LA Lake Charles 310	0900 KOYL 97.9 TX Odessa
8/17	8/26
0918 KROP 104.9 LA Abbeville 380	0800 KROK 94.5 LA Shreveport 290
0028 WEZB 97.1 LA New Orleans 500	0805 KINB 107.3 OK Poteau 360
0031 WFMP 102.5 LA Baton Rouge 435	0817 KLGR 102.3 TX Center 250
0045 KDUV 100.3 TX Brownsville 340	0821 KNOE 101.9 LA Monroe 385
0051 WKEL 105.3 LA Slidell 520	0829 XHJD 98.9 NL Monterrey 365
0100 WYK 101.5 LA Baton Rouge 435	0832 KMHT 103.9 TX Marshall 255
0105 KLCL 99.5 LA Lake Charles 310	0904 KXKZ 107.5 LA Ruston 360
0746 WKYV 106.7 MS Vicksburg 460	0929 KDEY 99.3 TX Lufkin 210
0748 KVVP 105.5 LA Leesville 300	8/27
0753 WJMI 99.7 MS Jackson 500	0828 XHJD 98.9 NL Monterrey 365
0800 WJFR 96.3 MS Jackson 500	9/1
0806 WHJT 93.5 MS Clinton 490	2225 KRIX 99.5 TX Brownsville 340
0808 WKXI 94.7 MS Jackson 500	9/2
0813 WQNZ 95.1 MS Natchez 420	0853 XHJD 98.9 NL Monterrey, "Stereo 99"
	(first time hard with legal calls in English)
	0917 KQMS 92.1 TX Alice 205

Another bad month here (especially the last two weeks) with none of the August Es I had hoped for. I wish some of the "old-timers" would tell us the last time the summer Es season was this poor. Had some bad luck here as KIXS-FM 93.3, Killeen at 40 miles upped its power to 100 kw on 8-16, resulting in the loss of two semi-regulars: KBAT-Midland and KYKR-Port Arthur at 240 and 260 miles, respectively. I've heard KBAT since then and (with a little luck) I should be able to null out KIXS to get KHQQ and KYKR. However, loggings such as WHJT (heard earlier that week) will now be all but impossible. It's trying to overcome obstacles such as this that keeps my interest in the hobby so high. Until Next Month, Rick.

## ANOTHER NEW REPORTER

Neil Dickerson, 426 State St. Sharptown Maryland 21861 - July 19 to Sept. 3, 1978

Hello, this is my first report so an introduction is in order. I am 21 years old and employed by A&P Markets as a clerk. For my FM DXing I use a Fisher RS-1060 Receiver with a Channel Master "Stereo Probe" #44086 antenna with rotor at 30 feet. I also use an RCA 15db amp in line with a 50db Winegard amp. For recording ID's I use a Panasonic "Technics" 671A cassette deck. I had a pretty good summer with over 300 new stations added to the log. My FM totals now are: 625/39/3 +3 countries. Below are new loggings:

7/19 (tr)	7/19
0830 WMFR 88.1 SC Sumter	0847 WSCI 89.3 SC Charleston
0845 WSHA 88.5 NC Raleigh	0856 WECT 90.5 SC Columbia

<u>7/19</u>						<u>7/31</u>					
0900	WIOZ	107.1	NC	Southern Fines		1615	WZOG	92.9	GA	Atlanta, "Z*93"	
0902	WRQK	98.1	NC	Greensboro, rk		1615	WBLX	92.9	AL	Mobile	
0915	WLTR	91.3	SC	Columbia		<u>8/2</u>					
0920	WEZC	104.7	NC	Charlotte, thru loc.WBOC!		2230	WCNY	91.3	NY	Syracuse	
0930	WEFR	90.1	SC	Greenville		2315	WUFM	100.1	PA	Lebanon, "Stereo 100"	
0938	WHVA	96.3	VA	Martinsville		<u>8/8</u>					
0945	WFDD	88.5	NC	Winston-Salem		1100	WPGT	90.1	NC	Roanoke Rapids	
1000	WUNC	91.5	NC	Chapel Hill		1200	WQMC	95.3	VA	Charlottesville, EZ	
2330	WPRO	92.3	RI	Providence		1400	WHFE	95.5	NC	High Point, REL	
2345	WCLH	90.7	PA	Wilkes-Barre		<u>8/9</u>					
<u>7/20</u>						1930	WOCB	94.9	MA	West Yarmouth, EZ	
1930	WESC	92.5	SC	Greenville, cw		1951	WGNA	107.7	NY	Albany, cw	
1945	WFLO	95.7	VA	Farmville, rk		<u>8/22</u>					
1957	WCOZ	94.5	MA	Boston, EZ		0730	WQSM	98.1	NC	Fayetteville, thru WTVR!	
2015	WCFM	91.9	MA	Willeamston		2230	WVUB	91.1	IN	Vincennes, rk, my farthest	
2140	WICH	90.5	MA	Worcester							tropo! 650 miles!
2158	WRHU	88.7	CT	West Haven, rk		2245	WHIZ	103.9	PA	Mercer	
2200	WTK	100.7	MA	Boston, "TK-101", prog.		2315	WVPE	88.1	IN	Elkhart, rk	
2205	WHUS	91.7	CT	Storrs		2317	WTVN	87.5	OH	Columbus	
<u>7/21</u>						2330	WVJG	89.1	IL	Mt. Carmel, rk, also 650	
0055	WFJB	105.1	RI	Providence, rk, "JB-105"		<u>8/23</u>					
0800	WCMF	88.1	NY	Brockville, heard over WMNR		0000	WPSR	90.7	IN	Evansville	
1900	WDAV	89.9	NC	Davidson		0030	WPCL	90.3	IN	Ft. Wayne, REL	
<u>7/22</u>						1945	WSEZ	93.1	NC	Winston-Salem, "Z-93"	
0900	KWGS	89.5	OK	Tulsa		2000	WYEF	91.5	PA	Pittsburg	
0904	KFAH	92.1	NB	Alliance		<u>8/24</u>					
2130	WTLR	89.9	PA	State College		0730	WUOH	91.7	MI	Ann Arbor, cl	
2145	WGLD	100.3	NC	High Point, EZ		0745	WFIT	101.5	PA	Pittsburg	
<u>7/25</u>						<u>8/27</u>					
0945	KDSA	91.1	KS	Wichita		2000	WCFE	89.7	NC	Raleigh	
1000	KTVC	87.5	KS	Dodge City		<u>8/29</u>					
1830	WHRJ	95.3	NY	Southampton, EL		0730	WCVH	90.5	NJ	Flemington	
1837	WUSB	90.1	NY	Stony Brook		<u>9/2</u>					
1900	WLNG	92.1	NY	Sas Harbor, rk		1620	WSHR	91.9	NY	Lake Ronkonkoma	
2030	WDRC	102.9	CT	Hertford		2032	WQAM	89.1	VA	Williamsburg, rk	
2100	WNYZ	92.5	CT	Waterbury, "YZ"		2145	WHJY	94.1	RI	Providence, "Joy", EZ	
<u>7/27</u>						2200	WJUL	91.5	MA	Lowell	
0302	WLKW	101.5	RI	Providence, EL		2220	WIKL	103.7	NJ	Newton, heard thru WQGM;	
0330	WBET	88.3	MA	Boxford							one of my most wanted stations
1800	WRHY	92.7	PA	Starview, rk		2245	WREI	95.1	CT	Brookfield, rk, "1-95"	
<u>7/31</u>						2300	WNYC	93.9	NY	New York, cl	
1600	WDSU	87.5	LA	New Orleans		<u>9/3</u>					
						0000	WVUH	91.3	CT	West Hartford, rk	
						0100	WRIU	90.3	RI	Kingston, A. O. R.	
						0120	WOTB	107.1	RI	Middletown	
						0130	WBRU	95.5	RI	Providence	
						0150	WBCN	104.1	MA	Boston, A. O. R.	
						0200	WMEA	90.1	ME	Portland	

Most taped.

SOME ABBREVIATIONS USED IN THIS COLUMN:

rk - rock	ck - classical
EZ - easy listening, (beautiful music)	REL - Religious oriented, gospel
cw - country and western	mx - music
nx - news	wx - weather
	\$ - stereo

CLOSING NOTES: Your editor has no dx of his own to report since dx conditions at SFM headquarters have dropped to nearly zero since August 11th. I guess the desert like weather that has prevailed here all summer took its toll.

If you haven't already, send your summer's dx in now without further delay while it's still timely.

REPORT TO THIS COLUMN IF YOUR FROM: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, MS, NC, NV, OK, SC, TN, UT, VA, & WV. ALSO MEXICO.

+++++

# NORTHERN FM-DX

Bruce Goldsen  
27 Spruce Hill Road  
Georgetown, CT 06829  
(203) 544-8214

Deadline: the 10th

Send in your DX now, if you live in WA,OR,ID,WY,ND,SD,NE,MN,IA or east of the Mississippi River and north of the Mason-Dixon line.....

Thanks to this month's five reporters! Phew... it's gonna be a lot of typing. Nevertheless, keep those reports coming, and maybe you'll log catches like those that follow! (New loggins underlined, new propagations dashed)

Fred McCormack-Des Lacs, ND 58733 (GDT) \*indicates DX from Fargo,ND

5/29 Es					
0855	WMOT	89.5	TN Murfreesboro	1015	KXXA 95.7 AR Little Rock
0906	KCLI	95.3	OK Canton	1057	KQYT 95.5 AZ Phoenix
1010	WJMI	99.7	MS Jackson	1107	KNJO 92.7 CA Thousand Oaks, m
1010	WJFR	96.3	MS Jackson, Family Radio	1305	KPFA 94.1 CA Berkeley
1014	WKYV	106.7	MS Vicksburg	1308	KZSU 90.1 CA Stanford

1427 KUIC 95.3 CA Vacaville, Quick 95, r

(Fred does not indicate cities on remainder of his report)

6/20 Es*1818	KYND	92.5	TX		
6/23 Es 1630	WLIN	95.5	MS, FM-95		
	AU 1900	KROE	94.9 WY, FM-94		
6/24 Tr 0235	KBCW	95.5	IA, c/w	0243	KIOV 104.7 SD, c/w
6/24 Es					
1113	KJAK	92.7	TX, gospel	1150	KOYL 97.9 TX, All-American c/w
1117	KQIZ	93.1	TX, Z-93	1155	KPOE 94.1 NM
1118	KTEZ	101.1	TX, FM-101, EZList.	1159	KACV 89.9 TX, rock, Mutual nx
1123	KKKK	99.3	TX, Quad-K, Stereo 99	1210	KWGO 99.5 TX, spanish
1134	KLEA	101.7	NM	1218	KPJH 94.3 TX, Accent nx
1142	KOOT	104.7	TX, The Entertainer, EZL	1232	KRWG 90.7 NM
1145	KIXY	94.7	TX, Y-95	1234	KINL 92.7 TX, rock
1146	KBIM	94.9	NM	1251	KFIM 92.3 TX, rock

1257 KEZB 96.3 TX, EZL

6/25 Es					
1033	KSNM	95.5	NM, classical	1138	XHTO 104.3 CH, spanish
1040	KDEM	94.3	NM, EZL	1139	XHEM 103.5 CH, spanish
1131	KANW	89.1	NM, rock	1150	KASK 103.1 NM
			1208 KNIX 102.5 AZ		
6/28 Es*1853	KZZX	99.5	NM, 99-ZZX, r	*1857	KOB 93.3 NM
			*1857 KTDB 89.7 NM		
7/8 Es 1810	CHAY	93.1	ON		
7/21 Es 2207	KLOS	95.5	CA, rock	2232	KXO 107.5 CA, Beautiful mx
			2235 KJOK 93.1 AZ		

7/22 Es					
1250	KXIT	95.9	TX	2130	KXTZ 94.1 NV, FM-94, EZL
1300	KTNM	92.7	NM	2148	KBIM 94.9 NM
1333	KANW	89.1	NM, rock	2153	KMCR 91.5 AZ
7/28 Es					
1719	KOOV	103.1	TX	1730	KTCU 88.7 TX
1720	KNOK	107.5	TX, soul	1740	KOKE 95.5 TX, coke, c/w
1722	KPLX	99.5	TX, relax...KPLX	1817	WKSJ 94.9 AL
			1820 WJLQ 100.7 FL, Q-weather, rock		

Equipment: Des Lacs- Heath AR-1500, JPD 10 element log-periodic  
Fargo- Heath AR-15, rabbit ears

Not too much time for DXing with the skip somewhat quieter than expected anyway. The highlight of the year so far is the logging of KROE-94.9 for my first from Wyoming. 73, Fred.

Greg Monti-5 Hickory Road-Bayville, NY 11709

7/7 Tr					
2340	WGRF	99.3	NJ Pleasantville, r	2340	WJRZ 100.1 NJ Ship Bottom, rm
2340	WKHI	99.9	MD Ocean City, r, "100-KHI"	2340	WCMS 100.5 VA Norfolk, k
7/8 Tr 0620	WBOC	104.7	MD Salisbury (Ocean City), m, CBS		
	0620	WRDR	104.9 NJ Egg Harbor, r or rm, "WRD" ID's similar to assumed sister station WRDI-1580.		

All logged on Audiovox VW71FM car radio at Merrick, NY.



Joseph Fela-150 Robert Place-South Plainfield, NJ 07080 (ELT)

6/24 Es  
 0959 WAFB 90.3 FL Ft. Lauderdale, ID 1034 WGLO 106.7 FL Ft. Lauderdale, EZL  
 1014 WWRN 92.1 FL W. Palm Beach, ID 1036 WAXY 105.9 FL Ft. Lauderdale  
 1018 WWVL t93.9 FL Miami Beach, love-94 1039 WRYZ 96.7 FL Jupiter, ID  
 1022 WIRK 107.9 FL W. Palm Beach, c/w 1101 WCKS 101.1 FL Cocoa Beach, r  
 1024 WJOE 107.5 FL Miami, c/w 1105 WXOS 100.3 FL Plantation Key  
 1112 WCKO 102.7 FL Pompano Beach, ID, soul

6/30 Es  
 1354 WQID 93.7 MS Biloxi, ID, nx 1742 WPAD 96.9 KY Paducah, ID, rock  
 1401 WGUF 96.7 MS Gulfport, ID 1746 KYEZ 93.7 KS Salina, nx, promo, ID  
 1402 WQUE 93.3 LA New Orleans 1748 KBEK 107.3 MO Lexington, contest  
 1712 KSKU 102.1 KS Hutchinson, r 1800 KSKG 99.9 KS Salina, nx, r, ID  
 1718 KARD 107.3 KS Wichita, EZL 1815 WSEI 92.9 IL Olney, nx, ID  
 1730 KFIX 106.5 MO Liberty, ID, nx 1823 KCFM 93.7 MO St. Louis, ID

7/3 Tr  
 0014 WWEL 107.9 MA Medford, ID, EZ 0138 WBLK 93.7 NY De Pew, ID, soul  
 0124 WZTA 105.5 PA Tamaqua, oldie 0211 WOKQ 97.5 NH Dover, O-K c/w IDs  
 0215 WCAV 97.7 MA Brockton, rock, "CAV" ID's

7/4 GW 1300 WKHI 99.9 MD Ocean City, r, 100-KHI ID's

7/6 Tr  
 1933 WWDL 104.9 PA Scranton, promo 2005 WQSU 88.9 PA Selinsgrove, wx, promo  
 2000 WUOM 91.7 MI Ann Arbor 2259 WPRE 99.9 MD Frederick, ID, rare  
 7/8 Tr 0900 WGMS 104.5 DC Washington, classical mx, ID, over local WTFM  
 0905 WXTR 104.1 MD La Plata, c/w 0908 WNNT 100.9 VA Warsaw, ID, c/w

7/12 Es  
 2141 WDRB t106.5 WI Marshfield 2150 KLSS 106.1 IA Mason City, KS-106  
 2143 KTKN 107.9 MN Anoka, ID 2200 KWOA 95.1 MN Worthington, ID  
 2145 KEEY 102.1 MN Minneapolis, EZL 2212 KRIT 96.9 IA Clarion, ID, promo  
 2215 KTGA t92.1 IA Fort Dodge, r, K-92 ID's

7/19 Tr 2314 WRAL 101.5 NC Raleigh, MOR/rock, 101-FM ID's

7/20 Tr  
 0014 WYYD 96.1 NC Raleigh, EZL 2254 WFLS 93.3 VA Fredericksburg, c/w  
 0652 WUNC 91.5 NC Chapel Hill, c 2320 WDSD 94.7 DE Dover, c/w  
 2330 WWOC 94.3 NJ Avalon c/WJLK w/ ID. Unusual

Equipment: Pioneer SX-828 rx, pair of Antennascraft GFM-10s (stacked @ 35 feet with rotor. The June 24th Es opening to S. Florida was the strongest ever heard here. However, other than that, this season has been a dud for Es. At least there has been some good propo. The morning of July 20th was super- too bad there are no open channel to work with in these parts. 73, Joe

Paul D. Traska-64 Weaver Ave.-Buffalo, NY 14206

12/12/77 Tr 0300 CJOM 88.7 ON Windsor  
 MS 1302 WSMC 90.7 TN Collegedale  
 Tr 1727 WYSU 88.5 OH Youngstown

1/6 Tr 1245 WERG 89.1 PA Erie, 10w

1/8 Tr 1130 WERG 89.1 PA Erie

1/16 Tr 1740 WBCL 90.3 IN Fort Wayne

2/21 MS 1208 WNJC 90.1 MS Senatobia

3/18 Tr 1530 CKO 97.5 ON London

6/12 Es 1720 WDIZ 100.3 FL Orlando

6/20 Es

1864 KOEZ 92.3 KS Newton 2120 KOBC 90.7 MO Joplin

1849 KEZO 92.3 NE Omaha 2121 KOSU 91.7 OK Stillwater

1904 KVNO 90.7 NE Omaha 2130 KMOD 97.5 OK Tulsa

6/30 Es

1335 KWTX 97.5 TX Waco 1405 KMWU 89.1 KS Wichita

1406 KERA 90.1 TX Dallas

The best super tropo seen I ever came up to as yet, two long haul stations picked up 7/6/78 got to be 800 mile plus, stuff one don't receive all the time.....

7/6 Tr

0100 WMBI 90.1 IL Chicago 0245 WCML 91.7 MI Alpena

0145 KUNI 90.9 IA Cedar Falls 1210 WCMU 89.5 MI Mt. Pleasant

0220 WSIU 91.9 IL Carbondale 1210 WMBI 90.1 IL Chicago

1215 WEMU 89.1 MI Ypsilanti

7/12 Es 1730 KTXE 88.1 TX Lubbock 2007 WAFG 90.3 FL Ft. Lauderdale

## Northern FM-DX

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

6/30 Es DX received at Bloomington, MN:  
 1555 WFOG 92.9 VA Norfolk,+SCA 2210 WQUE 93.3 LA New Orleans,"\$Hits"  
 1557 WDYL 92.1 VA Chester, g 2230 WBYU 95.7 LA New Orleans  
 1600 WTGM 89.5 VA Norfolk 2245 WFMP 102.5 LA Baton Rouge  
 2152 WUSF 89.7 FL Tampa 2304 WWNO 89.9 LA New Orleans  
 7/4 Good tropo to IA, IL & WI in afternoon & evening. DX included  
 2312 WWCT 105.7 IL Peoria,r 2317 WMIX 94.1 IL Mount Vernon,m,SCA  
 2322 KMOX 103.3 MO St. Louis, rock  
 7/6 Tr 1055 WUPM 106.9 MI Ironwood  
 7/8 Tr  
 1900 WFMR 96.3 WI Milwaukee,mor 1930 WGEM 105.1 IL Quincy,"GEM country"  
 1902 WKJF 92.9 MI Cadillac,+SCA 2011 WVEM 101.9 IL Springfield,+SCA  
 1906 WZZR 95.7 MI Grand Rapids,r 2015 WKFM 105.9 IL Chicago,+SCAmusic  
 1925 WWRM 106.7 MI Gaylor,d,mor 2018 WGCI 107.5 IL Chicago,r,+SCAmusic  
 1926 WOOD 105.7 MI Grand Rapids,mor 2031 WVCY 107.7 WI Milwaukee,g,+SCA  
 7/11 Tr 0008 KTFK 106.9 KS Topeka, k  
 7/13 Tr  
 2308 KSFT 105.1 MO St. Joseph,r 2320 KPXS 103.3 KS Kansas City,r,SCA  
 2314 KXTR 96.5 MO Kansas City, c,SCA 2330 KFTX 106.5 MO Liberty, MBS  
 2315 KTRQ 98.9 KS Leavenworth,k,SCA 2338 KCKN 94.1 KS Kansas City, k  
 2317 KSWT 107.7 KS Topeka, mor 2400 KBEQ 104.3 KS Kansas City, r  
 7/14 Tr 0001 KANU 91.5 KS Lawrence 0009 KTPK 106.9 KS Topeka  
 7/23 Tr 2359 KFMQ 101.9 NE Lincoln,r  
 7/24 Tr  
 1105 WJWJ 106.7 MN Brainerd,r,new 2321 WWCT 105.7 IL Peoria,r,+SCAmuzak  
 2359 KFMC 106.5 MN Fairmont, UPI news  
 7/25 Tr 1613 KRPC 90.5 MN Owatonna,10w,g 1617 KICE 88.1 IA Ft.Dodge,10w  
 DX received at Prosit, MN:  
 7/14 Tr 2345 CHIQ 94.3 MB Winnipeg 2350 WEVE 100.1 MN Eveleth, new stn.  
 7/15 Tr 1000 ???? 98.7 MB No ID 1015 CKSB 93.5 MB St. Boniface  
 7/20 Tr  
 1011 WJWJ 106.5 MN Brainerd, ETest 1057 KIWI 105.3 IA Dubuque, mor  
 1017 WLSU 88.9 WI La Crosse, jazz 1101 KLYF 100.3 IA Des Moines, mor  
 1045 KDMI 97.3 IA Des Moines, g 1121 KDOM 94.3 MN Windom, r  
 1050 KXEL 105.7 IA Waterloo, r 1131 KHKE 89.5 IA Cedar Falls, c  
 1148 KELO 92.5 SD Sioux Falls, mor,+SCAmusic  
 7/21 Tr 0014 KFMD 92.9 IA Dubuque,r 0016 WIXX 101.1 WI Green Bay, r  
 Es 1130-CKQN \*99.3\*NWT Baker Lake  
 1220  
 7/22 Es  
 1830 WVCD 97.9 PA Hazleton,mor 1856 WBJH 101.5 NJ Trenton  
 1837 WWDE 96.5 PA Philadelphia,tx 1859 WKDN 106.9 NJ Camden, g  
 1838 WLEV 96.1 PA Easton,r 1900 WCTX 92.1 PA Palmyra  
 1839 WEZV 95.1 PA Bethlehem 1900 WAYV 95.1 NJ Atlantic City  
 1844 WRPY 102.5 PA Reading,+SCA 1907 WGRF 99.3 NJ Atlantic City  
 1854 WMGK 102.9 PA Philadelphia,r 1912 WYSP 94.1 PA Philadelphia,r  
 1855 WDAS 105.3 PA Philadelphia,r 1915 WFPI 92.5 PA Philadelphia,"Y-Fi>r  
 1916 WJLK 94.3 NJ Asbury Park, r

\*This is out of the ordinary. Antenna was turned north in attempt to get more Manitoba stations. Had fading Es for 50 mins. Wish I had a recorder. Many personal messages to people in places such as Reindeer, Colville Lake, Ft. Smith and Polatuck were heard, read by woman & interspersed w/music. No ID on hour- silence & then CBC news. Weather was given for Cape Dorset, Baker Lake & others. Northwest Territories mentioned, along with fact that old supply ship "Scobie" was in Hudson's Bay. FM Atlas lists 12 low-power NWT stations, only one on 99.3. My location prohibited attempts to get any others, as 105.1 & 105.9 NWT freqs are covered by locals. There is no doubt in my mind that it was Baker Lake that I had. This must be the first NWT stations received in the U.S., as I can't recall anybody else ever catching one. My big gripe is that I did not have a recorder of some kind, but I usually get along without one while at the cabin as there is so much other stuff to carry out. Skip distance is about 1250 miles, and having it from the north is very unusual here in MN.  
 Equipment: Bloomington- Heath AJ-15 & Sony ST5130 rx, 10-element antenna.  
 Prosit- Sony ST5130 rx and 5-El antenna in attic, hand-rotated.

That's all I have room for this month: I'll have the rest of the reports next month, when things are less hectic and my normal routine resumes.  
 73 from deep down in the void of DX.

# QSL CORNER

Thomas J. Yingling, Jr.  
221 Pinewood Road  
Baltimore, MD 21222  
Phone # 1-301-282-5649  
Deadline: 10th

FM-OSL

ON	CKFM	99.9	Toronto, 2 St. Clair Ave. West, M4V 1L6. OSL-card from Clive Eastwood, & D. Lumley Vice Pres. Eng. same qsl card for CFRB-AM & CFRX- Yingling
	CPPL	95.9	London, 369 York St, London. Letter from W. J. Brady, Program Manager. Also send coverage-map & bumper-stickers. Yingling
FL	WFYN	92.5	Key West, P. O. Box 2515, 33040. Nice letter from William B. Zammit, Technical Director. Yingling
	WCCF	92.7	Punta Gorda, P. O. Box 1929, 33950. Xeroxed letterhead letter of qsl from J. Reinhard. Yingling
	WMEF	92.7	Stuart, Drawer 359, 33494. Letter from Fred L. Nettore, Yingling
IL	WDDD	107.3	Marion, Dutch Doelitsch typed a verification on my meter scatter report, they say they gotten their best DX about 400 miles to the SW into OK. Elving
LA	KSMB	94.5	Lafayette, prepared postcard back from James Hoffman, CE Elving
	KXKZ	107.5	Ruston, Short letter from Dan Hollingsworth, also qsl sca Elving
MN	KXRA	92.7	Alexandria, 56308. Letter from Wendell Sauers, CE says "Good luck on scanning your dial" Mullis
	KSJU	89.1	Collegetown, Letter from Victor Assad, general manager, mentions use of 10 watts, but with 77 watts at 460' instead now. Elving
	KEZZ	94.3	Aitkin, 56431. Letter from James J. O'Rourke, Program Dir. Yingling
	KPRM	97.5	Park Rapids, Hwy 34 East, 56470. Letters, maps from Cindy DeLahunt, in 2 weeks. Yingling
	KBMO	93.5	Penson, qsl card send, no name, but chief engineer signed Dalton
NJ	WHBI	105.9	Newark, 45 New St, 07102. Nice handwritten letter from Gilbert Abbey, CE Reply back in 2 weeks. Mullis
NY	WNCQ	97.5	Watertown, Box 29A, Gifford Rd 2, 13601. Letter & map from Michael F. Ring. Reply in 1 month. Yingling
SD	KELO	92.5	Sioux Falls, 57100. Send verification card signed by Phil Hewe, Operations Manager & reply in 16 days. Sowinski
	KBRK	94.3	Brookings, 507 1/2 Main St, College Theatre Bleg, 57006. Letter from Robert J. Reimers, Manager in 3 weeks. "...interesting to hear that even for a short time KBRK-FM could put out a signal at that distance." Sawatzky
	KNWC	96.5	Sioux Falls, Send card in about 1 1/2 weeks, signed by Ted Miller, CE & said that station is affiliated with Northwestern College Radio Network a non-commercial Christian format. Dalton
TX	KCHU	90.9	Dallas, 2516 Maple Ave, 75201. Letter from Lawrence Rolof, CE "Your report is by far the furthest we've ever received." & "...its gotten many happy gasps around the studio..." Sawatzky
	KOXT	101.9	San Antonio, 411 E. Durango Blvd, 78204. Letter from Marvin L. Fiedler, CE "I posted a copy of your letter in the announce booth." Sawatzky
WI	WHHI	91.3	Highland, % 732 N. Midvale Blvd, Madison, 53705. Letter from Norman Michie, Radio Network Program Director. Mullis
	WWLA	93.3	La Crosse, Rt 2, 54601. Letter, coverage-map & bumper-stickers from William E. Bruring, President reply in 2 1/2 weeks. Mullis
	WJMT	93.5	Merrill, 120 S. Mill St, 54452. Letter from Wayne H. Smith, General Manager, reply in 2 weeks. Yingling
	WSPT	97.9	Stevens Point, 500 Division St, 54481. Form letter in 7 days from Jim Tuszka, CE Sawatzky
	WEZW	103.7	Milwaukee, 1572 E. Capitol Dr, 53211. Letter from Edward Jurich, CE "on the same morning you were listening to us, one of our salesmen was listening to Texas." Sawatzky
	WYXE	92.1	Madison, P. O. Box 3470, 53704. Letter from Clifford J. Groth in 4 weeks, mentions a report from Tampa, FL on June 20, 1974. Sawatzky
WY	KIOZ	1-2.9	Laramie, Box 818, 82070. Letter from J. Thomas Norman, WA7HFY, CE Mentions that he works DX on 6-meter ham band via E's and advertisers whose spots I heard give me discounts. Sawatzky

Reporters are Bruce Elving, Duluth, MN; Michael Dalton, Clearwater, FL; Gary Mullis, Baltimore, MD; Robert P. Sowinski, St. Clairsville, OH; Peter Sawatzky, Waterloo, Ont. and me the editor Tom Yingling, Baltimore, MD. This was an all FM OSL month with new reporter of Michael Dalton of Florida. It's nice to get a new reporter. I hope everybody saw that tropo opening on 8-21 & 24 for it was was super, just super for me. If you can send in a report, also state what kind of receiver & antenna used. This may be interesting to the other members what brand names are used the most, and etc. 73's for now,

Tom

October 1978

Deadline: 5th

Most of the Midwest (as well as large areas of the Northeast) has had the best summer tropo conditions in several seasons. One of the best widespread openings of the past two decades took place in the August 18th-26th period with record-breaking results.

By August 20th, a mammoth high pressure system covered most of the eastern U.S. Movement of the air mass was very slow, until the whole system stalled. As the high stagnated over the lower Midwest, fair weather conditions persisted --and the area was blanketed by a "permanent" inversion layer. Many DXers were shocked to find super conditions persisting through the week that followed, with very little change. Some logged 600 mile UHF, as well as high and lowband VHF on an almost continuous basis for several days, a rare situation indeed.

The tropo DX during that week astonished even those who thought they had seen everything tropo could do. Several loggings out to over 1000 miles were made on UHF. Probably the most notable long haul UHF catch was made by Tom Yingling, who logged Fort Dodge, Iowa from Baltimore--over a path that is made difficult by the Appalachian Mountains. Mountains proved to be no obstacle during this period, as Detroit DXer Paul Gaines caught eastern Virginia over another difficult mountain path. Paul also saw highband VHF from Quebec, yet another rare path.

North-to-south paths that almost never open up were super. Ontario DXer Peter Sawatzky logged UHF stations from the deep South. DXers in western New York logged UHF from Mississippi, Louisiana, Alabama, and Georgia, along with VHF from Arkansas, Missouri, Tennessee, and Mississippi. Robert Kramer, DXing from a college dorm in southern Illinois, had many outstanding catches from Maryland, northeastern Pennsylvania, western Iowa, Wisconsin, and northern Michigan, as well as many Midwestern areas, and the South. Wisconsin super-DXer Bill Draeb reports some outstanding results, which include UHF translators from northeastern Pennsylvania, and long-haul catches from Louisiana and the Carolinas.

Almost everyone--regardless of equipment--seemed to do extremely well during this super tropo. Many of us were caught unprepared because we were checking weather maps for possible ducts along approaching fronts. In effect, this was a duct "without boundaries," or you might even consider it a mammoth "super-duct" that was just about as wide and as long as the high itself.

Karl Forth 630 South Ardmore Villa Park, Illinois 60181 (CDT)

June	30 Es	2200 WEAR-3 FL 810	10 Es	1857 KWAB-4 TX
0046 KATC-3 LA 840	2258 KENW-3 NM 1040			Big Spring 1010
0057 KPRC-2 TX 940	2319 KDFW-4 TX 820		2000	KDUH-4 NE 790
0126 WWL-4 LA 825	2333 KAMR-4 TX 910		14 Tr	1958 WVUT-22 IN 225
0159 WEAR-3 FL 810				2000 WTTU-30 IN 205
Tr 0444 WKBP-22 OH 245	<u>July</u>			2027 KLMF-3 IA
0446 WLWT-5 OH 260	5 Tr	2058 WFYI-20 IN 175		Mason City 280
0451 WDHO-24 OH 230		2100 WKAR-23 MI 190		2029 KYIN-24 IA
0513 <u>WXIX-19 OH</u>		Detroit 250		Mason City 280
Cincinnati 260		2200 WFFT-55 IN 160		2055 WANE-15 IN 160
0522 WHIO-7 OH 245		2302 WEYL-25 MI		22 Es
0532 WGPR-62 MI 250		Saginaw 245		1930 KBTX-3 TX 925
0629 WKJG-33 IN 160				<u>August</u>
0652 WHMB-40 IN 175	6	2014 CKCO-13 ON		7 MS
Es 1500 WESH-2 FL 1000		Kitchener 415		0435½ WAGA-5 GA
1601 WTAR-3 VA 750		2029 CKGN22-22 ON		Atlanta 620
1624 <u>WHSV-3 VA</u>		Uxbridge 485	10 Tr	0432 WKBP-22 OH 245
Harrisonburg 600		2059 CICA-19 ON		0446 WLWT-5 OH 260
1700 WWAY-3 NC 790		Toronto 475	13	0520 WNEW-5 MI 245
1801 WSAV-3 GA 810		2102 <u>CBLEF-25 ON</u>	14	2300 WNMU-13 MI 330
		Toronto 475		0055 WRAU-13 WI 270

"Greetings! I am a new member to WFFDA so I'll introduce myself. I'm a 22-year-old college student primarily interested in ECB DX, but I've enjoyed TV DXing in the summer since 1971, although not that seriously until 1976. Equipment here consists of a Sony TV-115 B&W portable with an Archer V-110 VHF antenna and an Archer 4-bay UHF antenna hand-rotated at 25 feet. I am located 18 miles west of the Chicago TV transmitters, which are close enough to cause a lot of problems but far enough away to allow for Es on ch 2 and really intense tropo on the other channels. Es has been awful this year, but there have been a few good tropo openings. Let me acknowledge the efforts of John Zondlo to get me into the club, hi John. 73."



Robert Goodman		5129 W. Roosevelt Road		Apt. B7 Cicero, Illinois		60650 (CDT)		
July	14 Tr	2023	KRIN-32 IA	22 Tr	0800	WICS-20 IL	170	
3 Tr	2335	WFFI-55 IN	Waterloo		0809	WLFI-18 IN	110	
			thru local		0814	WRAU-19 IL	120	
	2340	WKOW-27 WI	2045 WPTA-21 IN	23	0648	WLKY-32 KY	270	
			Ft Wayne			CCI on 7		
			120			0700	WKYT-27 KY	310
			WHTV-15 WI			0714	WKIX-19 OH	
4	0032	WISN-12 WI	90				Cincinnati	250
	0800	WZZM-13 MI	130	2105			WTVQ-62 KY	
	0815	WICS-20 IL		2130			Lexington	310
			Springfield 170				WTIU-30 IN	
	0820	unID-29 WGIU?		2138			Bloomington	190
	0835	WFFI-55 IN	140				7755 WGTU-29 MI	
5	1845	KDUB-40 IA	160	August			Traverse City	230
	1920	unID-32 CCI		11 Es	1130	unID-3 0 CCI		
	2000	WFFI-20 IN		17 Tr	0740	WBBD-31 IL	120	
			Indianapolis 160			WEEK-25 IL		
	2028	WHMB-40 IN	160			Peoria	120	
	2100	WTHR-13 IN	160	0755		Madison U's		
	2108	WLFI-18 IN				Indianapolis U's		
			Lafayette 110	0759		WIPB-49 IN	160	
	2140	WIPB-49 IN		0805		WFFT-55 IN	170	
			Muncie 160	0810		KRIN-32 IA	240	
	2205	WKAR-23 MI		0821		unIDs on ch 27		
			E Lansing 180	0823		WICD-15 IL		
	2245	WIVS-56 MI				Danville	120	
			Detroit 240	0834		WICS-20 IL	170	
	2336	WKOW-27 WI	120	0852		WLKY-32 KY	270	
6	0000	WKJG-33 IN		0939		WCET-48 OH		
			Ft Wayne 140			Cincinnati	250	
	0015	WKBD-50 MI		1000		unID-16 o/WNDU		
			Detroit 240	21		2200	WTVP-47 IL	120
	0800	WLKY-32 KY				2210	WMBD-31 IL	120
			Louisville 270			2219	WKOW-27 WI	120
12 Es	1800	WEDU-3 FL	1000			WMTV-15 WI	120	
13 Tr	1926	WOTV-8 MI	130			WICD-15 IL	120	
14	1730	KDUB-40 IA	160			unID-16		
			WHMB-40 IN	2335		KDUB-40 IA	160	
	1909	unID-30 WGIU?		0040		KRIN-32 IA	240	
	1919	WBBD-31 IL	120	0700		WLKY-32 KY	270	
	1920	WFFI-20 IN	160	0705		WBAK-38 IN	170	
			WICS-20 IL	0715		WKYT-27 KY		
			unID-4 CCI			Lexington	310	
	1953	WLFI-18 IN	110	0730		WDRB-41 KY		
	2000	WHA-21 WI				Louisville	270	
			Madison 120	0800		WEEK-25 IL	120	
			WKOW-27 WI			Indianapolis U's		

"The hiatus in tropo logs between mid-July and mid-August is no artifact; I looked but didn't find, with even close stuff rare in that interval. But I can't complain, with the best tropo results I've ever had. IDs were guesswork on the morn of August 17, with PBS stns showing assassination hearings in continuous program—nonID. Trops of August 21-23 had characteristics of high pressure effect (see 'Bob's Tek-Notes', June 1976), with elevated layer/duct as a probable large component. There was high pressure in area; long catches were made; there was a 'skip' effect, with farther stns overriding closer ones; conditions persisted day and night; and the time of the year was typical. Low band was also in, which is more typical of reflection than of ground-based ducts." Equipment: "candle-power receiver", monopole antenna for VHF, 2-bay bowtie for UHF.

Frank Wheeler		6589 Wattsburg Road		Erie, Pennsylvania		16509 (EDT)			
August	10 Es	1227	WWL-4 LA	1005	13 Tr	0858	WILX-10 MI	232	
↑	Es	1530	WVHS-2 FL	1098			WXON-20 MI	154	
		1600	WPBT-2 FL	1098			WPBT-2 FL	1098	
5	2158	ECKT-2 KS	1015		1319	CKCW-4 NB	820	16	
10	1100	WVHS-2 FL	1098	11	1300	KTBS-3 LA	1005		
	1200	WEDU-3 FL	994		1301	KPCS-2 TX	1210	22 Tr	
	1210	WBSH-2 FL	902		1320	KETS-2 AR	825	27	
							0645	WILX-10 MI	232
							0835	WILX-10 MI	232

"Missed a good tropo opening in the wee hours, but too tired to get up."

Robert Kramer 1409 Mae Smith Grinnell Hall SIU Carbondale, Illinois 62901			
(At Chicago QTH:)			
August			
13 Tr	2200 WNMU-13 MI 335	2020	WKOW-27 WI 400
	2325 WJMN-3 MI	2026	WHNT-19 AL
	EsCanaba 278		Huntsville
14	0000 WBAU-13 WI 288	2029	KSIN-27 IA
	WREX-13 IL		Sioux City 550
	like a local	2031	KYIN-24 IA
	0037 KATC-10 MN		Mason City 500
	Rochester 296	2040	WHLA-31 WI
	0100 WACN-11 MN 360		La Crosse 450
	0108 KEYC-12 MN	2044	WGTV-29 MI 524
	Mankato 363	2052	WHWC-28 WI
	0200 WCGO-4 MN 360		Colfax 575
	2030 WNMU-13 MI 335	2110	WHA-21 WI 400
15	0100 WBAU-13 WI 288		WHRM-20 WI
	0115 KRCC-13 MO 335		Wausau 575
	0125 KFVS-12 MO 332	2112	K33AA-33 IA
	0200 KCCI-8 IA 315		Ottumwa 300
	0305 KCCI-8 IA 315	2115	WKAR-23 MI 430
17	(In Carbondale IL:)	2116	WAAY-31 AL
18	0014 Chicago U's 302		Huntsville
	W49AA-49 IL 150	2130	WGVC-35 MI 420
	0025 WGN-9 IL 302	2131	KATN-21 IA
	0725 Rockford U's		Ft Dodge 550
	WHA-21 WI	2142	WHIQ-25 AL
	Madison 400		Huntsville
	0726 KDUB-40 IA	2148	WVIA-44 PA
	Dubuque 310		Scranton 775
	0728 W49AA-49 IL 150	2220	WDAU-22 PA
	0733 WKOW-27 WI 400		Scranton 775
	0739 KRIN-32 IA	2239	WHMA-40 AL
	Waterloo 360		Anniston
	1952 WSJV-28 IN 435	2250	WSKG-46 NY
	Chicago U's 302		Binghamton 780
	1955 S Bend U's 430	2314	WIFR-23 IL
	2004 WCAE-50 IN	2349	WBAU-13 WI
	2009 WFFI-55 IN		Bau Claire 500
	Ft Wayne 450	2351	WHO-13 IA 360
	2037 Ft Wayne U's	2354	KTSB-27 KS 300
	except 15 450	21	0001 KWWL-7 IA 360
	2125 W49AA-49 IL 150	0029	WABO-12 WI
	2128 WTV-4 IN		Rhineland 550
	Bloomington	0045	WGN-9 IL 302
	2130 WIFR-23 IL 305	0055	WOTV-8 MI 430
	2131 WKOW-27 WI 400	0126	KYTV-3 MO
	2200 WUHQ-41 MI 400		Springfield
19	1105 W49AA-49 IL 150	0137	KEFV-7 NE 464
	2005 WZTV-17 TN	0155	KSFY-13 SD
	2039 WSNB-44 IL 302		Sioux Falls 590
20	0650 WTVF-5 TN	0200	KATC-10 MN
	Nashville		Rochester 575
	1905 WHO-13 IA 360	0231	WBBM-2 IL 302
	1909 Chicago U's 302	0233	WLVO-17 IL
	1913 WKET-23 KY	0553	WWTW-9 MI 499
	Elizabethtown	0600	KCCI-8 IA 360
	1915 S Bend U's 430		WHO-13 IA 360
	1925 WCAE-50 IN	0620	WMTV-15 WI
	1934 WKBD-50 MI 450		Madison 400
	WTVS-56 MI 450	0640	KORG-9 IA 350
	1940 KRIN-32 IA 360		Cedar Rapids
	1948 WUHQ-41 MI 400	0655	WKOW-19 WI 450
	1958 KHIN-36 IA	0710	S Bend U's 400
	Red Oak 500	0747	KYIN-24 IA 500
	2002 KBMA-41 MO	0755	KRIN-32 IA 360
	2006 KDUB-40 IA 310	1814	WOC-6 IA
	2010 WACI-45 TN		Davenport
	Chattanooga	1819	WKLE-46 KY
			Lexington
		21 Tr	1822 KYIN-24 IA 500
			1855 WBBF-4 IL
			Rock Island
			1900 Chicago U's
			S Bend U's
			1902 WMTV-36 WI 400
			1955 WTV-18
			Milwaukee 400
			1956 WTVS-56 MI 450
			WGPR-62 MI
			Detroit 450
			2017 WLUC-11 WI 475
			2019 WGTU-29 MI 524
			2022 WFFT-55 IN 450
			2024 WPNB-38 WI 475
			2140 WGVC-35 MI 430
			2144 WUAB-43 OH
			Lorain 500
			2149 WBRB-28 PA 775
			Wilkes-Barre
			2202 WPGH-53 PA
			Pittsburgh 590
			2255 WNMU-13 MI
			Marquette 640
			2257 WREX-13 IL
			2355 WOI-5 IA
			Ames 350
		22	0001 WUHQ-41 MI 400
			1724 WPBO-42 OH
			Portsmouth 350
			1726 WKIX-19 KY
			Newport
			1742 WMUL-33 WV
			Huntington 450
			1850 WUAB-43 OH 500
			1852 WFFT-55 IN 450
			1905 Lexington U's
			WLEX-18 KY
			Lexington
			1907 WVVU-24 WV
			Morgantown 600
			1910 WOUQ-44 OH
			Cambridge 400
			WNEO-45 OH
			Alliance 400
			1913 WOSU-34 OH
			Columbus 350
			1916 WKRC-12 OH
			Cincinnati 325
			1925 WCVN-54 KY
			Covington 325
			1935 WBBF-45 MD
			Baltimore 675
			1801 WIPB-49 IN
			2016 WDRO-24 OH 450
			2056 WKJG-33 IN 450
			2116 WBGU-57 OH 450
			2135 WPTA-21 IN 450
			2212 WMTV-36 WI 400
			2347 WLIC-35 OH
			Lima 450
		23	0037 WKBD-50 MI 450
			WGPR-62 MI 450
			0043 WANE-15 IN
			Ft Wayne 450
			0048 WGN-9 IL 302
			0052 WTV-11 IL 302
			0100 WRTV-6 IN

Robert Kramer (continued)

<u>August</u>		23 Tr 1108		WSNS-44 IL 302		25 Tr 2305		KSIN-27 IA 550	
23 Tr 0100	WMAQ-5 IL				like a local		2308	K59??-59 IA	
	Chicago 302				WUHQ-41 MI 400			WHO-13 xltr	
0115	KJVO-3 IA				like a local		2310	K74??-74 IA	
	Ottumwa				WFFI-55 IN 450			WHO-13 xltr	
0134	WJKW-8 OH				like a local		2313	K33AA-33 IA 300	
	Cleveland 500				WGPR-62 MI 450		2314	K76??-76 IA	
	WEWS-5 OH		2150		Detroit U's			W01-5 xltr	
	Cleveland 500				except 20 450			K78??-78 NE	
	WKBN-27 OH				S Bend U's 400			KRTV-7 xltr	
	Youngstown 490				WKAR-23 MI 430		2325	KMEG-14 IA	
0137	WITI-6 WI				WUHQ-41 MI 400			Sioux City 550	
	Milwaukee 400				WGVC-35 MI 430		2350	KBIN-32 IA	
0158	WTMJ-4 WI				Toledo U's 450			Council Bluffs 500	
	Milwaukee 400	24	0444		WLWT-5 OH		26	0002	K56??-56 NE
0200	WISN-12 WI 400				Cincinnati 300			KMTV-3 xltr	
	WCPC-9 OH		0455		WJBK-2 MI			K58??-58 NE	
	Cincinnati 300				Detroit 450			WOWT-6 xltr	
0215	WDTN-2 OH		0515		WAVE-3 KY		0003	K60??-60 NE	
	Dayton 320				Louisville			KRTV-7 xltr	
1107	Madison U's	25	1902		KOPT-19 MO			K66??-66 NE	
	like locals 400				Kansas City			KMTV-3 xltr	
	South Bend U's				KBMA-41 MO		0010	KYNE-26 NE	464
	like locals 430		2252		KHIN-36 IA 500			Omaha	360
1108	WNEB-38 WI 480				"snowfree"		0055	WHO-13 IA	464
	WFLD-32 IL 302				KHNE-29 NE		0130	KBTV-7 IA	464
					Hastings 500				

Equipment includes Sony TV-131, VHF monopole, Radio Shack 2-bay bowtie for UHF. Trop is really great down here, probably in part because I'm about 150 feet above ground. My room faces northwest, with good opening also to the north, northeast, with a secondary opening area to the southeast. I don't get very good reception straight south or southwest. It is really wierd not being able to get your local stations due to severe CCI. Not even WSIU-8, located only a mile from here, is immune. Nearly all the mileages listed are at best guesses. I won't be able to figure them out until I get home to my big atlas. All the xltrs logged on 8/25 & 26 are unIDed, because I couldn't bring my TV Factbooks down (there just wasn't room in the car). The Carbondale log now stands at 190 (all trop & groundwave). 73."

David Hascall 211 N. Merrill Fortville, Indiana 46040

<u>August</u>		23 Tr 0610		WRHI-10 IN		23 Tr 0630		WLKY-32 KY	
23 Tr 0600	WCIA-3 IL				KPLR-11 MO		0700	(WKJG)-33 IN	
	WFWO-2 IN		0630		KSD-5 MO			KMTC-27 MO? 1	
					WICD-15 IL				

"Not much, only best tropes I've seen! 73!"

Bob Zent 1835 Fruit Street Huntington, Indiana 46750 (BST)

<u>August</u>		22 Tr 0548		WNEP-16 PA 500		23 Tr 1730		WVVU-24 WV 300	
20 Tr 2330	WAAV-31 AL 445				WBERE-28 PA 500			WIIIC-11 PA 290	
	WYUR-48 AL 445				WVIA-44 PA 500		1800	WOED-13 PA	
2340	KRIN-32 IA 375		0625		WKYH-57 KY 275			Pittsburgh 290	
21 0600	WYUR-48 AL 445				"rare"		1923	Erie U's 290	
	WAAV-31 AL 445		2133		WBKO-13 KY		24 0550	WVIA-44 PA 500	
0605	unID-15 SSE				Bowling Green 280			WBERE-28 PA 500	
	WTVK-26 IN 360				WEGE-53 KY 280			WNEP-16 PA 500	
2214	WBERE-28 PA 500				WKMA-35 KY 285		0557	WPGH-53 PA 290	
	WENY-36 NY 455				WKSO-29 KY 290		0559	WJAC-6 PA	
2218	WPGH-53 PA 290				WKZT-23 KY 240			Johnstown 348	
	WSKG-46 NY 505		2300		KETC-9 MO 300		0625	WHAG-25 MD	
2221	WVIA-44 PA 500				KTNL-30 MO 300			Hagerstown 415	
2308	WICZ-40 NY 505	23	0555		WPTF-28 NC			0626	WNED-17 NY 365
	WKBK-48 PA				Raleigh 515		0642	WVPE-31 MD	
	Philadelphia 540		1730		WPGH-53 PA 290			Hagerstown 415	

"I was amazed at the intensity and duration of this tropo. I've logged the Scranton/Wilkes-Barre U's before but never as strong. I'm puzzled by the channel 15 logging on the morning of the 21st. Does anyone know if WYAP-15 is still an affiliate of NBC? 73."

Paul L. Gaines 15920 Puritan Street		Detroit, Michigan 48227 (EDT)	
August			
2 Tr	0813 WXXI-21 NY 280	22	0004 WVIA-44 PA 385
	0817 WROC-8 NY 280		0006 WBRB-28 PA 380
5	2248 W46AB-46 NY 180		0008 WDAU-22 PA 385
	2250 W47AB-47 OH 115		0009 WNEP-16 PA 385
6 MS	0412 WCBS-2 NY 490		0011 WICS-20 IL 375
Tr	2239 W47AB-47 OH 115		0013 WMBD-31 IL 345
7	2141 WPBO-42 OH 255		0024 KDNL-30 MO 450
11 Es	1322 KATC-3 LA 970		0030 WBAK-38 IL 290
12 Tr	2214 W47AB-47 OH 115		0039 WKYT-27 KY 305
	2220 W64AK-64 OH		0040 WLEX-18 KY 305
	Comneaut 125		0042 WLKY-32 KY 310
	(WVIZ-25 xltr)		0044 WDRB-41 KY 310
	2345 WPBO-42 OH 255		0050 WKYH-57 KY
13	0012 W65AH-65 OH 130		Hazard 355
	0024 W39AA-39 IN 130	0143	WCWL-15 AL
	0757 W64AK-64 OH 125		Florence 575
	2143 W47AB-47 OH 115		"phone ID"
14	0920 W47AB-47 OH 115	0156	KFVS-12 MO 475
	0939 W46AB-46 NY 180	0203	KSD-5 MO 450
	2233 W64AK-64 OH 125	0210	KCGI-8 IA 530
16	0243 WWUP-10 MI 285	0213	WLUK-11 WI 275
17	0212 WQWK-13 WV 280	0215	KCRG-9 IA 415
	2346 W64AK-64 OH 125	0337	KMOX-4 MO 450
20	2342 WBRB-28 PA 380	0343	WREG-3 TN
	2346 WNEP-16 PA 385		Memphis 615
21	0028 WOPC-38 PA? T	0412	WBAY-2 WI 275
	0057 WVIA-44 PA 385	0529	WHIS-6 WV 370
	0133 WTAJ-10 PA 275	0541	WOWK-13 WV 280
	0150 WHIS-6 WV	0545	WTAJ-10 PA 275
	Bluefield 370	0617	WCHS-8 WV 290
	0212 WOKR-13 NY 280	0905	WXXI-21 NY 280
	0214 WROC-8 NY 280	0907	W26AA-26 NY 195
	0224 KPIR-11 MO 450	0910	WUJR-20 NY 400
	0228 KATV-7 AR	0915	W46AB-46 NY 180
	Little Rock 715	0946	WENY-36 NY 320
0247	KSD-5 MO	1017	WPBO-42 OH 255
	St Louis 450	1026	WZTV-17 TN 475
0306	KMOX-4 MO 450	2131	W64AK-64 OH 125
0330	WAVF-5 TN 475	23	0041 WUSI-16 IL 355
0413	CKSO-5 ON 300	0045	WFIE-14 IN 375
0414	CKCN-9 ON 300	0048	WLEX-18 KY 305
0450	CHLT-7 QB	0050	WKYT-27 KY 305
	Sherbrooke 595	0051	WLKY-32 KY 310
0544	WOWK-13 WV 280	0056	WDRB-41 KY 310
0608	WDAU-22 PA 385	0101	WZTV-17 TN 475
0808	WMBD-31 IL 345	0147	WICD-15 IL 305
1308	WJHL-11 TN	0214	WOWK-13 WV 280
	Johnson City 425	0228	KFVS-12 MO 475
1317	WKPI-22 KY 345	0229	Wahi-10 IN 290
1318	WKPT-19 TN 405	0337	KMOX-4 MO 450
1328	WXXI-12 NC	0719	WKPC-15 KY 310
	Winston-Salem 465	0732	WMBD-31 IL 345
2104	WILL-12 IL 305	0736	WICS-20 IL 375
2117	WPBO-42 OH 255	0742	WAND-17 IL 340
2118	W47AB-47 OH 115	0744	KDNL-30 MO 450
2142	WKSO-29 KY 370	0747	WBAK-38 IN 290
2209	WZTV-17 TN 475	0804	KATC-3 MO
2217	WICD-15 IL 305		St. Louis 450
2219	WAND-17 IL 340	0904	WKPT-19 TN 405
2224	WEMR-38 KY 290	2101	W64AK-64 OH 125
2229	WKGB-53 KY	2129	WQEX-16 PA
	Morehead 410		Pittsburgh 210
2240	WKMA-35 KY	2207	W47AB-47 OH 115
	Madisonville 410		
			2314 W47AB-47 OH 115
			2216 WILL-12 IL 305
			0011 WWVU-24 WV
			Morgan town 255
			0036 WICD-15 IL 305
			0040 WICS-20 IL 375
			0051 WMBD-31 IL 345
			0053 WRAU-19 IL 345
			0056 WAND-17 IL 340
			0109 WBEK-25 IL 345
			0123 WIFR-23 IL 325
			0125 WFTO-17 IL 300
			0216 WREX-13 IL 300
			0222 WTHI-10 IN 290
			0224 KFVS-12 MO 475
			0229 WTAJ-10 PA 275
			0240 WAVY-10 VA
			Portsmouth 530
			"ID slide"
		0247	WJLA-7 DC
			Washington 400
			"ID slide"
		0311	WRC-4 DC
			Washington 400
			"test pattern"
		0318	WJZ-13 MD 400
		0320	WTG-5 DC
			Washington 400
		0406	WCAU-10 PA 440
		0420	WKEX-8 VA? T
			"test pattern"
		0543	WDCA-20 DC
			Washington 400
		0552	WDM-9 DC
			Washington 400
			"sign-on"
		0606	WBRB-28 PA 380
		0610	WICZ-40 NY 365
		0612	WBJA-34 NY 365
		0620	WBAL-11 MD
			Baltimore 400
		0627	WENG-12 NY 365
		0631	WNEP-16 PA 385
		0647	WFPA-27 PA 355
		0650	WGAL-8 PA
			Lancaster 385
		0655	WBFF-45 MD
			Baltimore 400
		0709	WLYH-15 PA 375
		0713	WDAU-22 PA 385
		0716	WETA-26 DC
			Washington 400
		0718	WHAG-25 MD
			Hagerstown 340
		0722	WVIA-44 PA 385
		0731	WTAJ-29 PA 440
		0744	WNBP-67 MD
			Baltimore 400
		0757	WWPB-31 MD
			Hagerstown 340
		0805	WAPB-22 MD
			Annapolis 420
		26	0644 WTAJ-10 PA 275
			0723 WROC-8 NY 280
			0756 WOKR-13 NY 280
			2314 W47AB-47 OH 115

"Little Rock AR my longest VHF pick-up. Springfield MO longest UHF. Pikeville KY was in all day--and strong. Never saw Toronto 9, Pittsburgh 13, St. Louis 30, Urbana 12, Louisville 15, Cape Girardeau 12, Rockford 13 as strong as they were at times!!! One morning saw Dayton 7 ID through WXYZ-7...wow!"





William J. Draeb (continued)

July			August						
14 Tr	2040	WDRB-41 KY 437	22 Es	1900	WESH-2 FL 1130	9 Es	2135	CBX-4-5 A 1320	
Es	2100	CBKM-4 SK 940		1915	KJAC-4 TX? 1	10 Tr	0735	WKY-27 KY 473	
		CKCK-2 SK 908		1927	KPRC-2 TX 1118			WTVQ-62 KY 473	
	2122	CJFB-5 SK? 1			KLOL-4 TX? 1	12	2036	KMBG-14 IA 462	
		CKBI-5 SK? 1		1950	WMB-2 MS 784		2054	KSIN-27 IA 462	
Tr	2219	WCPT-55 AN 610	23	0838	WCB-2 SC 916			KYNE-26 NE 481	
	2232	WFIE-14 IN 420	24 Tr	2010	KTSB-27 KS 560			KBIN-32 IA 476	
		WRHU-25 IN 420			KBMA-41 MO 525		2100	KHIN-36 IA 457	
		WUSI-16 IL 402			KCP-19 MO 525		2118	KHNE-29 NE 617	
		WVU-22 IN 405			KHIN-36 IA 457	Es	2118	KXON-5 SD? 1	
Es	2300	unID-3 west			KYNE-26 NE 481		2118	unID 2-5 S.W.	
		"NBC delayed			KHNE-29 NE 617	Tr	2130	KTTV-4 IA 462	
		2 hours"			KSIN-27 IA 462		2205	KDSD-16 SD 538	
16 Tr	0550	WAKR-23 OH 380			KDSD-16 SD 538			KAV-15 MN 288	
		WYTV-33 OH 420		2030	KBIN-32 IA 476			KXNE-19 NE 525	
		WHIZ-18 OH 400			KMBG-14 IA 462		2245	KESD-8 SD 455	
		WXIX-19 OH 400		2043	KCBJ-17 MO 450		2331	KUSD-2 SD? 1	
	0604	WKBN-27 OH 473			KOZK-21 MO 588			KPLO-6 SD? 1	
		WKY-27 KY 473			KMTC-27 MO 588			KAAL-6 MN 288	
		WLEX-18 KY 473		2050	KTVR-29 AR 683			KDLO-3 SD? 1	
	0615	WUTV-29 NY 445		2058	KTVJ-16 MO 633	13	0715	KPRY-4 SD? 1	
	0620	WTVQ-62 KY 473			2124 unID-24 "xlt" 1			WDIO-10 MN 286	
		WKY-32 KY 473		2245	K33AA-33 IA 346			KBMA-41 MO 525	
		CKGN22-22 ON 413		2310	KDNL-30 MO 432			KTSB-27 KS 560	
	0636	WQIN-54 PA 504	25	0545	KCBJ-17 MO 450		0744	KCBJ-17 MO 450	
	0640	W46AB-46 NY 409			KPLR-11 MO 432		0820	KIMA-3 IA 300	
		WNED-17 NY 445			KDNL-30 MO 432		1030	KCP-19 MO 525	
	0645	WNPE-16 NY 600			KMTC-27 MO 588			KCMO-5 MO? 1	
		WNPI-18 NY 615		0600	KBMA-41 MO 525			KTV-4 IA 462	
	0650	WCFB-57 NY? 1		0611	KTSB-27 KS 560			KDAL-3 MN 286	
		10 CCI WBGU		1852	KTVR-29 AR 683			KBJR-6 MN 286	
		CICA-19 ON 410			KACI-17 MN 280			KACA-2 MN 280	
		WJEA-24 PA 405			WLKY-32 KY 437		1115	KTIN-21 IA 365	
		CHPT-44 ON 458			WDRB-41 KY 437			KSIN-27 IA 462	
	0739	CHLP-25 ON 410			WKY-27 KY 473			KHIN-36 IA 457	
		W17AA-17 OH 309			WTVQ-62 KY 473		2101	K247?-24	
Es	1600	WCB-2 SC 916			KDNL-30 MO 432			"rebroadcast-	
17 Tr	0610	WYTV-33 OH 420		2105	KDSD-16 SD 538			ing KUON-12"	
		WKBN-27 OH 420		2150	KSIN-27 IA 462		2127	KDSD-16 SD 538	
		WFMJ-21 OH 420			WKPC-15 KY 437		2139	KYNE-26 NE 481	
	2000	WQIN-54 PA 405			WUTV-29 NY 445			KTSB-27 KS 560	
		WJEA-24 PA 405		27	2015	WKSO-29 KY 538		KBMA-41 MO 525	
		WUTV-29 NY 445			WKY-27 KY 473		2158	KDLO-11 SD 460	
Es	2048	WCB-2 SC 916			WLKY-32 KY 437		14	0700	W70A-70 MI
	2100	WCIV-4 SC 916			WDRB-41 KY 437			W74AS-74 MI	
	2108	WWAY-3 NC? 1	29	0727	WUNP-33 NC? 1			W83AS-83 MI	
		WBTV-3 NC? 1		0730	WVIR-29 VA? 1			K74BQ-74 MN	
Tr	2230	KIMA-3 IA 300			WDCA-20 DC? 1			K77BW-77 MN	
		KTSB-27 KS 560		2028	WVU-33 WV 498		0721	KBMA-41 MO 525	
		KCBJ-17 MO 450			WKY-27 KY 473		0800	WXIX-19 OH 400	
		KHIN-36 IA 457			KDNL-30 MO 432			WCEB-48 OH 400	
		KBMA-41 MO 525			WCEB-48 OH 400		Es	2020	KUW-2 UT 1264
	2242	KCP-19 MO 525		30	2115	2115		KID-3 ID. 1214	
		KDNL-30 MO 432			WFMJ-21 OH 420		2100	KSL-5 UT 1264	
	2308	KMTC-27 MO 588			WKBN-27 OH 420			KXLR-4 MI 1213	
	2312	K33AA-33 IA			WYTV-33 OH 420		15	1200	CFRN-3 AT 1320
		Okumwa 346						2055	CBX-4-5 A 1320
	2320	W56AB-56 WI 179	5 Tr	0634	KMTC-27 MO 588		Tr	2055	CIT-4 A 1175
		W69AB-69 WI 179		0712	WKY-27 KY 473		Is	2055	KDNL-30 MO 432
	2325	KTVJ-16 MO 633		2000	KDNL-30 MO 432			2055	KDNL-30 MO 432
18	1959	WKY-27 KY 473	8	0815	KFVS-12 MO 512				KCBJ-17 MO 450
		WTVQ-62 KY 473			WFMJ-21 OH 420			2106	KMTC-27 MO? 1
	2106	KDNL-30 MO 432			WKBN-27 OH 420			17 Tr	2043
	2205	KMTC-27 MO 588			WYTV-33 OH 420				WFMJ-21 OH 420
	2100	WKY-27 KY 473			WPGH-53 PA 480				WKBN-27 OH 420
		KHIN-36 IA 457		2100	WUTV-29 NY 445				WYTV-33 OH 420
19		KDNL-30 MO 432	9 Es	2135	CFAC-2 A 1310			19	2100
	22 Es	1835			CFGN-4 A 1310				WKPD-29 KY 522
		WSDU-3 FL 1192			CFRN-3 A 1320				"back on??"

William J. Draeb (continued)

August	20 Tr	1820	WNPE-16 NY 600	21 Tr	1208	WAIM-40 SC? T	
19 Tr	2100	KFVS-12 MO 512	1833	WCFB-57 NY? T	1212	WEBA-14 SC? T	
	2250	WKMU-21 KY? T	1840	WBJA-34 NY 600		WATU-26 GA? T	
		WDRB-41 KY 437		WICZ-40 NY 600	1747	WCEL-48 OH 400	
		WKPC-15 KY 437		WSKG-46 NY 600	1930	WESQ-29 KY 538	
		KDNL-30 MO 432		WJET-24 PA 405		WKHA-35 KY 551	
		WKYT-27 KY 473		CKGN22-22 ON 413		WFMJ-21 OH 420	
	2326	KMFC-27 MO 588	1933	WXVI-21 NY 500		WKBN-27 OH 420	
		KTVP-29 AR 683	1951	KMBG-14 IA 462		WTV-33 OH 420	
	2336	KLVJ-16 MO 633		KSIN-27 IA 462		WJBT-24 PA 405	
20	0527	KPLR-11 MO 432		KYNE-26 NE 481		WSEE-35 PA 405	
		CKNC-9 ON 350		KFPW-40 AR? T		WQLN-54 PA 405	
		CKNC-17 ON 270	2001	WMUL-33 WV 498		WNEP-16 PA 630	
		CBFST3-12 270	2011	WTCT-45 TN 671		WDAU-22 PA 630	
	0540	WKRC-12 OH 400		WRIP-61 TN 671		WBRB-28 PA 630	
	0546	WGRM-10 IL 378		WHNT-19 AL 685	1959	WVUU-24 WV 513	
	0550	WHAS-11 KY 437		WYUR-48 AL 685		"snow free"	
	0553	WKYT-27 KY 473		WBMG-42 AL 768		WVIR-29 VA? T	
		KMFC-27 MO 588		WHIQ-25 AL 685		WPGH-53 PA 480	
	0559	WLEK-18 KY 473	2018	WHMA-40 AL? T	2058	WJNL-19 PA? T	
	0601	WKIX-19 OH 400		WOUK-44 OH? T	2100	WRBT-33 LA? T	
		WOWL-15 AL	2030	WPBO-42 OH 461		WCFE-22 TN? T	
		Florence 675	2036	WEBA-14 SC? T	22	0052	WPTF-28 NC 743
	0604	WAAY-31 AL 685		WATU-26 SC? T		"snow free	
	0856	KTVP-29 AR? T	2100	WKPT-19 TN 612		at s/off"	
		WKSO-29 KY 538	2112	WNBO-45 OH 406		WRBT-36 NC 736	
		WKZT-23 KY 473	2136	WFIQ-36 AL 675		WENY-36 NY 575	
		WKPD-29 KY? T	2150	WZTV-17 TN 585		WBRB-28 PA 630	
0904		WKHA-35 KY 551		WHNT-25 TN 420		WDAU-22 PA 630	
		WLKY-32 KY 437	2245	WGNO-26 LA? T	0104	K33AA-33 IA 346	
		WKLB-46 KY 473	2318	KDNL-30 MO 432		"rebroadcast-	
		WTVQ-62 KY 473	2358	WCCB-18 NC? T		ing WISN in-	
		WKON-52 KY 437	21	0009	KBMA-41 MO 525	stead of KIIN,	
	1127	WKGB-53 KY 530		0011	KTVP-29 AR 683	snowfree"	
		WPBO-14 OH 365			WRBT-33 LA 1002	WZTV-17 TN 585	
		WPTD-16 OH 368			WKBN-27 OH 420	"snow free"	
		WKEF-22 OH 368			WBRB-28 PA 630	WHNT-25 TN 420	
		WKPC-15 KY 437			WOWL-15 AL 675	WVIA-44 PA 630	
		WDRB-41 KY 437	0040		KLAA-14 LA 877	"snow free &	
1147		WKPT-22 KY 554	0740		WHTV-24 MS 852	very strong	
		WSVN-47 VA 610			WFLB-14 IN 420	WUTV-29 NY 445	
1153		WKYH-57 KY 551			WZTV-17 TN 585	0141	"The following
1232		WCPT-55 TN 610			WHNT-25 TN 420	WVIA xtrs:"	
1242		WTVK-26 TN 626			WAAY-31 AL 685	W63AB-63 PA	
1540		WFMJ-21 OH 420			WYUR-48 AL 685	Mansfield	
		WKBN-27 OH 420			WHNT-19 AL 685	W65AA-65 PA	
		WTV-33 OH 420			WHIQ-25 AL 685	Canton	
1549		WBAO-49 OH 380			WKMA-35 KY 499	W64AB-64 PA	
		WPGH-53 PA 480			WKSO-29 KY 538	Susquehanna	
1557		W17AA-17 OH 309			WKON-52 KY 437	W72AT-72 PA	
1627		WVNT-53 VA 630			WKGK-53 KY 530	E Towanda	
		W63AB-63 OH? T			WTVK-26 TN 626	0152	WTBN-17 GA 768
1725		WVPT-51 VA? T			KLAA-14 LA 877	0159	WANC-21 NC? T
		WVIR-29 VA? T			WRBT-33 LA 1002	0208	KMFC-27 MO 588
		WQLN-54 PA 405		0800	WTCT-45 TN 671	0220	CHNB-4 ON 413
1739		CIGA-19 ON 410			WKYT-27 KY 473		CKNY-10 ON 413
		CBLFT-25 ON 410			WTVQ-62 KY 473		CBLAT-8 ON 413
		CTLY-79 ON 410			WLEK-18 KY 473		CBFST-7 ON
		CBLFT-76 ON 345			WCPT-55 TN 610		CBFST3-12 ON 270
		"unIDed xtrs	0809		WMAV-18 MS 715		CBFST1-13 ON 350
		on chs 56 & 76"	0818		WFIQ-36 AL? T		CKNC-9 ON 350
1800		WBRB-28 PA 630			WMAV-14 MS? T		CKSC-5 ON 350
		WDAU-22 PA 630	0850		WAPT-16 MS 865	0232	KPLR-11 MO 432
		WNEP-16 PA 630			1111	WPTF-28 NC 743	
		WQEX-16 PA 480			"snow free"	0616	WKRC-12 OH 400
		WUTV-29 NY 445	1125		WLOL-25 SC? T		WSLS-10 VA 663
		WNED-17 NY 445			"ABC program"		"snow free"
		WJAN-17 OH 395			WKYH-57 KY 551		WTAP-15 WV 476
		WHIZ-18 OH 400	1204		WHIQ-25 AL 685		WHIZ-18 OH 400
							WVIA-44 PA 630

William J. Draeb (continued)

<u>August</u>										
22 Tr	0616	WPGH-53 PA	480	2100	WVU-24 WV	513	25 Tr	1645	W26AA-26 NY	446
		WDAU-22 PA	630	2115	WLYH-15 PA?	T			WUW-29 NY	445
		WENY-36 NY	575		WTV-33 OH	420			WFMJ-21 OH	420
		WLVQ-62 KY	473	2301	WFIE-14 IN	420			WKBN-27 OH	420
		WKYI-27 KY	473	2301	WFLR-14 IN	420			WJBT-24 PA	405
		WNEP-16 PA	630	2000	WFMJ-21 OH	420			WSEB-35 PA	405
		WJBT-24 PA	405		WKBN-27 OH	420			WQLN-54 PA	405
0647	WOPC-38 PA				WTV-33 OH	420			WBAO-49 OH	380
	Altoona	537			WVU-22 IN	405			WNEO-45 OH	406
	WICZ-40 NY	600		2002	WMUL-33 WV	498	1721		WMUL-33 WV	498
	WSKG-46 NY	600			WPGH-53 PA	480	1726		WNPP-16 NY	600
0746	WLV-39 PA	685			unID-50 S.B.		1845		WCVN-54 KY	407
	WSBA-43 PA	634		2014	WKAS-25 KY	486			WKON-52 KY	437
2046	WPGH-53 PA	480		2025	WPTF-28 NC	743			WCBT-48 OH	400
	WTAP-15 WV?	T		2027	WVU-24 WV	513			WXIX-19 OH	400
	WKBN-27 OH	420		2030	WQEX-16 PA	480			WPBO-42 OH	461
	WPMJ-21 OH	420		2118	WJNL-19 PA?	T	1930		WPGH-53 PA	480
	W31AA-31 OH	400			WHIZ-18 OH	400			WLVQ-62 KY	473
	WTAP-27 PA?	T	24	2056	KSIN-27 IA	462			WKLE-46 KY	473
	WNJS-23 NJ?	T			XHIN-36 IA	457			WKYT-27 KY	473
	"WKAR off for			2104	KDCI-17 MN	280			WDRB-41 KY	437
	6 weeks due to				KDSD-16 SD	538			WLKY-32 KY	437
	xmtr fire"		25	1645	WNED-17 NY	445		2045	XHIN-36 IA	457
								2200	WQEX-16 PA	480
								2024	WMUL-33 WV	498

"It's nice to have a good tropo opening but one that lasts for 3 days is hard on me and the other things that have to be done. Let's hope the next one is of shorter duration and not as hectic, hi!"

Donald B. Ruland 4448 68th Place Kenosha, Wisconsin 53142 (CDT)

<u>August</u>										
23 Tr	0630	Louisville U's		1230	Erie U's	400	24 Tr	0525	WNEP-16 PA	630
		Lexington U's		1300	WETA-26 DC			0532	WERE-28 PA	620
		Youngstown U's			Washington	630		0550	WFMJ-21 OH	380
		Cleveland U's			WDCA-20 DC	630			WKBN-27 OH	380
0730	WPGH-53 PA	430	24	0445	WKBS-48 PA	670	0600		WHAG-25 MD	560
	WMUL-33 WV	420			WTRF-7 WV	420	25	1830	WKON-52 KY	330
	WKYH-57 KY	440			WTIC-11 PA	430			WCVN-54 KY	310
	WOSU-34 OH	320			WRC-4 DC	630			WPBO-42 OH	370
	WPBO-42 OH	370			"First time				WCBT-48 OH	300
	WRRT-36 NC	640			via tropo;				WPGH-53 PA	430
0830	WCBT-48 OH	300			previously by	26	0600		WKBN-27 OH	380
	1100	WVU-24 WV	450	0515	Es & MS"				WTV-33 OH	380
					WJBT-24 PA	400			WPGH-53 PA	430
									WAKR-23 OH	340

Roger Gravelle 60 Valerie Street St. Thomas, Ontario N5R 1A8

"Here is my DX for July 15-August 8--not much--I guess I'm guilty of no time syndrome. Just got my 72' Delhi tower back up. On January 26 '78 135 mph winds took it over along with my back door and parts of my west porch and house eaves. Ouch! Barometer was below 28 inches!!! Static so bad that even local AM radio station CHLO unpleasant to listen to--it was on and off the air six times in 2 minutes. Finally all AM and FM locals off except 2. Unreal. Then my power went off for 28 hours. With wind, chill factor was 150° below zero. Damn near froze! CHLO had one tower blow down and had to go back on air with 1000 watts due to weird signal pattern. I now have a Blonder Tongue CMA-Ub amplifier with a 5' dish (Delhi Para 5) at 76' with .412 lead in that Mark Lewis sold to me. Wow! What a difference on UHF. No VHF antenna yet! Log:

21 Tr 1800 WOPC-38 IL with CCI; WNDU-16 IN; WBGU-57 OH; all northern Ohio area excellent: Youngstown, Alliance, Akron, Columbus, Canton, Toledo, Lima.

Cleveland 43 now grade 'A' most of time. 20, 50, 62 Detroit very good, CITY-79 and CELFT-78 fair. Logged ch 64 Ashtabula xltr of WVIZ...in all the time. Pounded out its omni directional ERP is 14600 watts at 316° AAT. CELFT-25 kicks in WVIZ's xltr so I end up with more bloody French channels. Help! Also, ch 67 xltr of WVIZ at Thompson OH (near Painesville), 44600 ERP, 150° AAT, directional lobes at 264° and 352°. Tech info courtesy Ralph Campbell, chief engineer of WVIZ. He looks after 12 transmitters! Have had fantastic results with reception on new system. I am putting up a Delhi 1047 with a Blonder



Roger Gravelle (continued)

Tongue SkyLark VHF amp soon (couple of weeks) I hope. Plan to side mount Delhi 10YFM with another rotor. Also have CB antenna at 96' at present. Hope everyone enjoyed Louisville. Sorry I was unable to attend due to Ford Motor Company 'change of model year.' Missed going very much. 73's to everyone."

Robert S. Ross Box 4373 Stn. C London, Ontario N5W 5J2 (BST)

<u>April</u>		<u>May</u>	30 Es ----	<u>WNGE-2 TN</u> 1000
24 Tr ----	<u>WTVS-56 MI</u> 120	29 Es ----	<u>WDIQ-2 AL</u> 900	<u>WEMY-2 NC</u> 1000
	<u>CICQ32-32 ON</u>	June		<u>WML-4 LA</u> 1200
		30 Es ----	<u>WBRZ-2 LA</u> 1200	

William R. Hepburn 5659 Highland Avenue Niagara Falls, Ontario L2G 4X4 (BMT)

<u>June</u>		26 Tr	0823 <u>WEYI-25 MI</u> 245	14 Au	2150 <u>unID</u> 2-5 <u>WNW</u>
20 Es	1742 <u>MUF</u> ch 6		0825 <u>CBLFT9-68 ON</u>	15	0707 <u>unID</u> 2-5 <u>W.</u>
	1745 <u>WEMY-2 NC?</u> T		<u>Sarria</u> 165	Tr	0717 <u>unID-5 N.</u>
	1828 <u>KMTV-3 NE</u> 870		0827 <u>CKGN29-29 ON</u>	16	0727 <u>CKCQ3-42 ON</u>
	1829 <u>KUSD-2 SD</u> 900	Es	1030 <u>MUF</u> ch 4		<u>WNEM-5 MI?</u> T
	1832 <u>KFTV-4 IA</u> 860	27	2123 <u>MUF</u> ch 4	0746	<u>WXON-20 MI</u> 210
	1837 <u>KPLC-6 SD</u> 1020	29 Tr	0730 <u>WAKR-23 OH</u> 185	0747	<u>WKBD-50 MI</u> 210
	1841 <u>KDLC-3 SD</u> 905		0731 <u>WUAB-43 OH</u> 195		<u>WTVS-56 MI</u> 210
	1857 <u>KOTA-3 SD</u> 1195	30 Es	0721 <u>WCBD-2 SC</u>		<u>WGPR-62 MI</u> 210
	1911 <u>KTVO-3 IA</u> 705		<u>Charleston</u> 705	0753	<u>WXYZ-7 MI</u> 210
	1930 <u>WWAY-3 NC</u> 630		1229 <u>WEDU-3 FL</u> 1090		<u>CBET-9 ON?</u> T
	2048 <u>unID-5 'ACN'</u>		1234 <u>WBRZ-2 LA</u> 1125	0755	<u>WJRT-12 MI?</u> T
	2053 <u>KYTV-3 MO</u> 850		1311 <u>MUF</u> ch 6	0757	<u>WNPE-16 NY</u> 175
	2100 <u>KOET-3 OK</u> 1045		1637 <u>KFTV-3 MO</u> 850	0758	<u>WNNY-7 NY</u> 185
	2103 <u>KFTV-2 MO</u>		1700 <u>KOET-3 OK</u> 1045	Es	1933 <u>unID-2</u>
	<u>St Louis</u> 650		1758 <u>KATC-3 LA</u> 1170	18 Tr	0730 <u>CBOT-4 ON</u> 230
	2145 <u>KWNB-6 NE?</u> T	<u>July</u>	1833 <u>WNGE-2 TN?</u> T		0731 <u>CKSO-5 ON</u> 255
	2158 <u>KNOX-4 MO?</u> T	1 Es	1010 <u>MUF</u> ch 4		0734 <u>WNNY-7 NY</u> 185
	2219 <u>WOC-6 IA?</u> T	2	"weak ch 2"		<u>unID-8 u/WROC</u>
21	1122 <u>KNOF-2 NE</u>	5	1200 "peak <u>MUF</u> ch 5"	0740	<u>CKGN-2 ON</u>
	<u>N Platte</u> 1115	6 Tr	0725 <u>WNNY-7 NY</u> 185	0744	<u>WXYZ-7 MI</u> 210
	<u>MUF</u> ch 5		0727 <u>CBET-9 ON?</u> T	0745	<u>WAKR-23 OH</u> 185
	1128 <u>KTVS-3 CO</u>		0729 <u>WJTB-2 MI?</u> T	0755	<u>CKWS-11 ON</u>
23	"weak ch 2 Es"		0733 <u>unID-5 NNE</u>		"snow-free"
25	1029 <u>WBDU-3 FL</u> 1090	Es	0807 <u>WNEM-5 MI</u>	0705	<u>unID-5 N.</u>
	<u>WEAR-3 FL</u> 1010		<u>Bay City</u> 240		<u>CKGN29-29 ON</u>
	<u>WKRQ-5 AL?</u> T		<u>CCI thru-out day</u>	0717	<u>WTLX-10 MI</u>
	<u>KPAL-6 IA?</u> T		w/many <u>unIDs</u> 2-6"	0718	<u>Lansing</u> 275
	1057 <u>WBRC-6 AL?</u> T	7 Tr	0709 <u>WXYZ-7 MI</u> 210		<u>WAKR-23 OH</u> 185
	1059 <u>WBET-3 MS</u>	12 Es	1017 <u>MUF</u> ch 5		<u>WVIZ-25 OH?</u> T
	<u>Jackson</u> 945		1946 <u>WBDU-3 FL</u> 1090	0720	<u>CKCQ3-42 ON?</u> T
26 Tr	0734 <u>WKBD-50 MI</u> 210		2002 <u>ICR2-2 CUBA?</u> T		<u>WUAB-43 OH?</u> T
	<u>WGPR-62 MI</u> 210	14 Tr	2136 <u>WFLJ-21 OH</u> 160	0722	<u>WTVS-56 MI</u> 210
	0738 <u>CKCQ3-42 ON</u>		<u>WAKR-23 OH</u> 185		<u>WGPR-62 MI</u> 210
	0747 <u>WNPE-16 NY</u> 175		<u>WVIZ-25 OH</u> 170	20	0730 <u>CKSO-5 ON</u> 255
	0752 <u>WXON-20 MI</u>		<u>WKBN-27 OH</u> 160	0732	<u>WNEM-5 MI</u> 240
	<u>Detroit</u> 210		<u>WUAB-43 OH</u> 195		<u>WGPR-62 MI?</u> T
	0820 <u>WMLI-18 NY</u> 230		<u>unID-63 SSW</u>	0850	<u>CKGN29-29 ON?</u> T
	0822 <u>WXYZ-7 MI</u> 210				

"Where has all the E-skip gone? Only one date in July with identifiable skip which included reception of a strong Cuban channel 2. Positive ID was not possible. Tropo has been better this year than last, especially lately. With local channel 5 in Toronto not showing test patterns until 0800, channel 5 is wide open for DX. This has accounted for daily reception of WEWS Cleveland and WTVH Syracuse as well as DX loggings of WNEM Bay City and CKSO Sudbury all at the same time and all with strong CCI-free signals. Log now at 153 (115 VHF, 38 UHF) from 24 states and 6 provinces with probable Mexico and Cuba. 73s and gud DX."

Doug Long 5062 Drummond Road Niagara Falls, Ontario L2E 6E4 (EST)

"Some fairly good Es on my Channelmaster M5179. However, the tropo has much to be desired. Due to the low MUFs I have only logged 11 channel 6 stations. On three occasions airplane scatter was seen, however no IDs. I wish I could go without sleep as well as Pat Dyer; you won't see any 0300 loggings in my report."

## Doug Long (continued)

June		20		Es		2300		KARD-3		KS		1040		30		Es		1800		WBTW-3		NC		550	
19	Tr	2150	WUAB-43	OH	180	21	1030	KMTV-3	NE	875															
		2200	WFMJ-21	OH	150			KARD-3	KS	1040															
		2355	CKWS-11	OH	150			1035	KYTV-3	MO	855														
20		0700	WJAC-6	PA				1037	KTVG-3	CO	1250														
			Johnstown		190	24	Tr	1100	WJAC-6	OH	190														
			Syracuse V's					Es	1106	WEAR-3	FL	1010													
		0705	W72AT-72	PA	150				1109	WEDU-3	FL	1090													
	Es	1900	KQTV-2	MO					1110	WDSU-6	LA														
			St Joseph		850					New Orleans		1150													
		1910	WSB-2	GA		25	Tr	0100	WBNG-12	NY	190														
			Atlanta		710				0150	WSPD-13	OH														
		1920	KOMO-5	MO	958					Toledo		250													
			KSTP-5	MN				Es	1130	KMTV-3	NE	875													
			St Paul		740				1131	WLBT-3	MS														
		1921	KPLO-6	SD						Jackson		975													
			Reliance		1000			Tr	1135	WJAC-6	PA	190													
		1930	KOTA-3	SD	1200	30	Es	1200	WEDU-3	FL	1100														
			WFMY-2	NC			2Es	1201	XET-6	MEXICO															
			Greensboro		495					Monterrey		1710													
		1936	WCTV-6	GA				Es	1300	WEAR-3	FL	1010													
			Thomasville						1400	KIII-3	TX														
		2215	KOBT-3	OK	1045					Corpus Christi		1505													
			MUF 108 MHz							1430	KLINE-3	NE	1075												

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

August		21		Tr		2200		WUPR-20		NY		24		Tr		0000		WSBT-22		IN					
6	Tr	2300	WCVE-23	VA					Utica																
		2315	WAKR-23	OH					"WDCA-20 off the																
14		2030	WICZ-40	NY	200				air for two hours.																
			WENY-36	NY					What luck!																
			WBJA-34	NY					2215	WXON-20	MI														
15		2100	WVPT-51	VA					Detroit		425														
			W41AB-41	VA					2219	WKPT-19	TN														
			W42AC-42	VA						Ugah		360													
			(WVPT-51 x1trs)						2225	WCDC-19	MA														
20		0030	WSBA-43	PA					2230	WAKR-23	OH														
			"rare"							WKMR-38	KY														
			WLVG-68	NJ						Morehead		350													
			Newark						2350	WRDH-24	CA														
		0100	WVIR-29	VA						WSKG-46	NY														
			W67AF-67	VA						Binghamton															
			Staunton						23	2200	WVUL-33	WV													
			(WVIR-29 xltr)							Huntington		375													
		0130	WPTF-28	NC						"over WIAF-33"															
			Durham							2230	WVVU-24	WV													
21		2000	CBLEF-25	ON						Morgantown															
			Toronto		350					2300	WFLD-32	IL													
			"over WHAG-25"							Chicago		625													
			CICA-19	ON						WKBN-27	OH														
			Toronto							"over WTPA-27"															
		2030	WUTV-29	NY	300					WKBD-50	MI														
			"over WTAP-29"							Detroit		425													
		2100	CITY-79	ON						2330	WCFC-38	IL													
			Toronto							Chicago		625													
			WCNY-24	NY						WPGH-53	PA														
			Syracuse		250					Pittsburgh		250													
			CBLEF-240	ON						2345	WGPR-62	MI													
			London		375					Detroit															
		2115	WNPE-16	NY						WUAB-43	OH														
			Watertown		325					Lorain															
		2130	WCFE-57	NY						2350	WHA-21	WI													
			Plattsburgh		400					Madison		750													

Equipment includes Sony KV-1214 12" color set, Finco 5' dish for UHF with RCA 10W707 rotor, Blonder-Tongue CMA-Up UHF preamp. "This was the most fantastic tropis I have ever seen, for on 4 days I got 32 new UHF stations; 7 new states and Canada on UHF-TV. I'm now using a BT CMA-Up preamp, and from what I find it is better than the Winegard AC-4990, although the AC-4990 is good. Don't know how many more stations I would have gotten that one morning, I only got 2 hours of sleep, but it was well worth it to me. 73's"

John F. Combs 2485 Ivan Court Orlando, Florida 32807 (EDT)

June		19 Es	0950	WDTV-5 WV	28 Es	2126	XEZ-3, XHD-4
6 Es	1052 KQV-2 MO 1089			Weston		2131	XHGC-5 DF? T
	1935+ "CGI ch 2"		1020	KXAS-5 TX 967			XHAJ-5 Ver? T
	2100 WWJ-4 MI? T		1040	CGI chs 2-4	Tr	2221	WCIV-4 SC 309
	WJBK-2 MI? T			"had to leave"		2233	WCIV-12 NC 508
9	2214 unID-2 u/WESH"	20	2100	t/in "much		2235	WTNH-7 NC 526
11	1900+ "CGI chs 2-4"			CGI & unIDs;	30 Es	0740	t/in
	2038 CBOT-4 ON? T			f/out 21304"			KFDX-3 TX 1078
	2041 CKGN-2 ON? T	24	0955	t/in "massive			KTVY-4 OK 1059
	0925 WMAR-2 MD? T			opening"		0748	WOL-5 IA 1145
	0929 WRC-4 DC 760			WNBC-4 NY 942		0752	KJAC-4 TX? T
	1422 KTVY-4 OK 1059			WSYR-3 NY? T		0818	KXAS-5 TX 967
	1454 unID-4 SS ETW			WVEV-6 RI? T		0858	KENTW-3 NM 1482
13 Tr	0722 WCWB-41 GA 318		1006	WCVB-5 MA 1100		0905	KFTT-5 TX
Es	2131 KTV-4 IA 1329		1008	WNEW-5 NY 942			Lubbock 1270
	2212 KQTV-2 MO 1089		1011	WTVH-5 NY? T		0907	KPRC-2 TX 857
14	1700+ "various		1015	WFSB-3 CT? T		0930-1225	"I'm away"
	2-6 unIDs"		1031	WCBS-2 NY 942		1225	KSNB-4 NE? T
15	0844 KGBT-4 TX 1023		1042	WKTW-2 NY? T			KCMO-5 MO 1048
	0846 KIII-3 TX 978		1045	WTAE-4 PA? T		1303	KHAS-5 NE
	0904 KMID-2 TX 1267		1048	WPSX-3 PA? T			Hastings 1285
	0920 KENS-5 TX		1050	WBZ-4 MA 1100		1304	WDAF-4 MO 1048
	San Antonio 1025		1130	WGBH-2 MA		1305	KIHF-3 IA 1264
	0928 KMOL-4 TX 1025			Boston 1100			KMTV-3 NE 1209
	0930-1630 "I'm away"		1153	KIII-3 TX 978		1315-1540	"I'm away"
	1723 KMox-4 MO 861			KGBT-4 TX 1023		1540	WTMJ-4 WI 1069
	1735 WOC-6 IA? T		1157	KBFB-3 NL 1185		1609	WFRV-5 WI 1133
	1736 WOI-5 IA 1145		1201	KRGV-5 TX 1020		1624	XHD-4 Tams 1135
	1738 KSD-5 MO 864			KRIS-6 TX			unID-5 SS
	1809 WTMJ-4 WI 1069		1206	KBFB-2 Tams? T		1902	KPRC-2 TX 857
	KTIV-4 OK 1059		1214	KWAB-4 TX? T		1905	KDFW-4 TX 967
	KTIV-2 MO? T		1222	X???-4 Yuc? T		2148	WOL-5 IA 1145
	1850 WMAQ-5 IL 987			X???-5 Yuc?			"4 scads of unIDs"
	1853 WFRV-5 WI? T		1232	WAPA-4 PR 1184	July		
	1905 WBHM-2 IL 987		1308	unID-3 MEXICO	1 Tr	1000	WCBD-2 SC 306
16 Tr	2325 WLTX-19 SC? T		1323	WORA-5 PR 1161			WCIV-4 SC 309
	2331 WATU-26 SC 337			Tele-Rebelde-3			WTFV-7 SC 309
	2339 WRDW-12 SC 337			CUBA 615	Es	1820	unID-2 20 CGI
17	0700 WTCG-17 GA 398		1340	HISD-4 DR 1005	2 Tr	0825	WAGA-5 GA 403
	0703 WXIA-11 GA 405		1417	ICR2-4 CUBA			WXIA-11 GA 405
	0705 WANX-46 GA 403			Camaguey 555			WTCG-17 GA 398
	0707 WYEA-38 GA 341		1500	WIPM-3 PR 1156			WFTV-30 GA 403
	0720 WDHN-18 AL? T		1600	YSU-4 E.S. 1160			WALT-36 GA 403
Es	1950 KFDX-3 TX 1078		1637	HISD-5 D.R.	5 Es	1507	unID-2 20 CGI
	2017 KTVY-4 OK 1059			La Vega 925	6	1620	KMID-2 TX 1267
	2023 KTBS-3 LA? T		1700	"f/out"			KACB-3 TX? T
	2036 KWAB-4 TX 1221	25	0940	YSR-2 E.S.? T			KWAB-4 TX 1221
	2041 KDFW-4 TX? T		1030	HRN-3 HOND? T		1703	KDFW-4 TX 967
	KOEL-3 OK? T		1053	TGV-3 GUAD? T	10	0958	unIDs 2, 4 NW.
	2139 KPRC-2 TX 857			YSU-4 E.S. 1160		1908+	unIDs 2, 3
18	1050 KPRC-2 TX 857		1120	"had to leave"		1909	unID-4 SS
	KGBT-4 TX 1023	26	2108-2130	CGI 2-4 W.		1920-2130	"I'm away"
	1057 KIII-3 TX 978	27 Tr	2210	WLTX-19 SC 392		2130	unIDs 2, 3
	1115-1620 "I'm away"		2242	WTFV-7 SC 309	Tr	2249	WTNH-7 NC 526
	1620 "still in from			WCIV-4 SC 309			WCIV-12 NC 508
	TX 1645 f/out"			WBTW-13 SC 408	Es	2323+	unIDs 2-4
	1930 XHD-4 Tams? T		2303	WCSC-5 SC 309	11	0940	t/in
	1957 KWAB-4 TX? T			WRJA-27 SC 373			WDAF-4 MO 1048
	2000 KMID-2 TX? T		2318	WJPM-33 SC 408			KMOX-4 MO? T
	2013 KACB-3 TX? T			WRLK-35 SC 385		0942	KMOV-3 NE? T
19	0820-0915 "many		2342	WOLO-25 SC 380			KSD-5 MO? T
	unIDs; CBOT-4 ON? T	28	0000	"To bed..."		0945	KCMO-5 MO 1048
	0927 WIVE-4 NY 986	Es	1630	unID-2 MEXICO			WBFB-4 IL? T
	0934 WTAE-4 PA 815		1754	XEZ-3 Qro 1315		1000	KTVO-3 MO 1039
	0935 WPSX-3 PA? T		1800	XHD-4 Tams 1135		1009	WOC-6 IA
	CBOT-5 ON		1829	KBTX-3 TX 910			Davenport 1150
	Toronto 1058			KMOL-4 TX 1025		1027	KOGO-5 MO 1048
	"many CD! unIDs..."		1845	"f/out"		1055	KDFW-4 TX 967

John F. Combs (continued)

<u>July</u>		12 Es		2052 WCIA-3 IL 951		22 Es		1715 WDIV-4 MI 968	
11 Es	1055	KXAS-5 TX	967	2057	KLMT-3 IA?	T			"1st day w/new calls" (ex WWJ)
	1125	KENS-5 TX	1025	14	1727	WJBK-2 MI	965		1715-1800 unIDs
		KPRC-2 TX?	T		1733	WWJ-4 MI	968		1800-2029 "asleep"
	1159	WBZ-4 MA	1100	15	0915	KIII-3 TX	978		2029 WFSB-3 CT 1034
	1200-1330					KGFT-4 TX	1023		2030 WBZ-4 MA 1100
	"Countless unIDs"				0918	XBFB-3 NL	1185		2031 WCVB-5 MA 1100
	1300	KDFW-4 TX	967		0922	KRGV-5 TX	1020		unID-4 CANADA
	1312	KXAS-5 TX	967		0955	KPRC-2 TX?	T		2036 WTAB-4 PA? T
	"again"				1000	KMOL-4 TX	1025		2202 WCIA-3 IL 951
	1319	KMOL-4 TX	1025	17	1615	unID-2 20	CCI		2205 WHBF-4 IL 1019
	1322	WNBC-4 NY?	T	18	1330	unID-2 20	CCI		2230 "Es f/out"
	1458	KWAB-4 TX?	T	20	0940-1005	unIDs 2-4			1205 MUF ch 5
	1500	unID-2 PBS			1435	unID-2 20	CCI	25	"weak at various times throughout day"
	1533	KPRC-2 TX	857		1538	unIDs 2, 3			1632 unID-2 MEXICO?
	1600	KENS-5 TX		21	1843	KPRC-2 TX			"w/horizontal rolling"
	"again"				1847	KGFT-4 TX	1023		1905 "CCI chs 2, 3"
	1600+	"I'm away"				KIII-3 TX	978		2026 WSIR-3 NY? T
12	0835	"Skip in and local 6 off air!! But had to go to work (RATS!!)"			1939	XHD-4 Tams?	T		2026 WSIR-3 NY? T
	2005	"Return--6 on, but skip still in-- apparently had been in all day"			1957	KTVY-4 OK	1059		2026 WSIR-3 NY? T
	2052	WMT-2 IA?	T	22	1958	KOET-3 OK			2026 WSIR-3 NY? T
	KMTV-3 NB?	T				Bufaula	950		2130 KMOX-4 MO 861
					2001	KOCO-5 OK?	T		2146 KTVI-2 MO 864
					2024	KFDX-3 TX?	T		2152 WDAF-4 MO? T
					2155	XBFB-3 NL?	T		2154 KFTV-3 MO? T
					1701	WJBK-2 MI	965		2200 KCMO-5 MO? T
					1714	WKYC-3 OH?	T		

"Apologies for such a large report, but it's been a busy summer. The highlight of that summer was the June 24th opening. It entailed over 7 hours of Es that moved from New England to Texas and Mexico, to the Caribbean, including short skip to Cuba and a 5 kw Dominican Republic repeater. Skip noted on at least 60% of June days and 50% of July's (not accounting for missed openings--HI!). However, a drop-off in loggings after the 26th, partially due to storms that have apparently weakened the connections in my antenna system. I'm tempted to just replace all the lead-in--it's getting quite a beating."

Edward R. Cotton 4106 2nd Street Chesapeake, Virginia 23324

<u>May</u>		11 Es		1200 CJIC-2 ON		19 Es		1155 WTHS-2 FL	
23 Es	1800	WORA-5 PR		1930	KUSD-2 SD	20	1900	CKSO-5 ON	
	1830	WTVJ-4 FL		Tr	2201	WETA-26 DC	30	1900	KCMO-5 MO
28	1055	unID-4			2259	WCMC-40 NJ			
					2300	WNAC-7 MA			
<u>June</u>									
3 Tr	1000	WREB-36 NC							
11 Es	1020	WBAY-2 WI							

"Equipment used: Motorola 9" B/W with rabbit ears, RCA 19" color set, outside antenna with rotor at 31'. Construction on ch 33 for Norfolk VA is under way. License was approved first of June. No call letters assigned yet. Season was really slow. Es far apart; sometimes two weeks apart."

Jeff Wolf 1131 University Blvd. W. Apt. 701 Silver Spring, Maryland 20902

<u>May</u> (all times EDT)		12 Es		1809 unIDs 2, 3		27 Es		1247 unID-3 PBS	
1 Es	1801	unID-2 CCI		16	2009	unIDs 2, 3			1400 KCKT-2 KS 1100
3	1633	unID-2 CCI			2050	KPRC-2 TX?	T	28	1800 WPBT-2 FL 900
Tr	2330	Salisbury U's			2303	unIDs 2, 3			2127 MUF ch 4
4	0136	WCPB-28 MD		18	2202	unID-2 CCI			2301 unID-2 IHFP
7 Es	2037	"Cuba 2"		19	1900	unIDs on ch 3			2340 KPRC-2 TX? T
8	1245	unID-2 CCI			1923	unID-4 CCI		29	1000 KLINE-3 NE 1133
9 Tr	1802	Philly U's unIDs 29 & 16		20	2017	unID-2 CCI			1038 MUF ch 4
	1950	WCPB-28 MD		22	1702	unID-3			1123 "Cuba 2?" T
	2011	WQYY-12 DE		23	1721	MUF ch 4			1200 KTCA-2 MN 867
		"under WWBT"			1548	MUF ch 4			1802 unID-2 PBS
	2200	CCI on WCVB-23			1800	"Cuba 2"		30	1559 KOET-3 OK
10 Es	2049	unID-2 CCI			1830	MUF ch 4			Bufaula 1035
12	1800	WDIQ-2 AL				KPRC-2 TX?	T		1800 WMT-2 IA 750
	"audio under WMAR"			24	1939	WBUD-3 FL	846	31	2300 KDAL-3 MN 937
					1550	CCI chs 2, 3			2330 unID-4 CBS



Paul D. Traska 64 Weaver Avenue Buffalo, New York 14206 (EDT)						
August		21 Tr	0633	WDFW-19 AL	22 Tr 0315	KFOK-4 MO
10 Es	1100 WTHS-2 FL			WOWT-15 AL		St Louis
	1115 WEDU-3 FL			WAAV-31 AL	0337	WDYN-2 OH
	1126 WFTV-5 FL		0655	WYUR-48 AL		WKRC-12 OH
	1130 WDBO-6 FL		0700	WTVK-26 TN	0338	WRBG-3 TN
	1147 WCIX-6 FL			WLKY-32 KY	1430	WBNS-10 OH
	1246 CBHT-3 NS			WDRB-41 KY		WXIX-19 OH
	1300 CBHT-5 NS			WLEX-18 KY		WCET-48 OH
	Sydney		1040	WCTE-22 TN		WKRF-22 OH
	1330 CJCB-4 NS			Cookeville		W31AA-31 OH
	1400 CJAP-3 NF			WMAW-14 MS		Newark
	CJON-6 NF			Meridian		(WOSU-34 xltr)
11	1200 KATC-3 LA		1100	KLAA-14 LA	1544	WCVN-54 KY
	1230 KLAB-5 LA			W Monroe	0030	WUST-16 IL
14 Tr	0030 WANE-15 IN		1140	WHBO-13 TN		Olney
	WPTA-21 IN			Memphis	0200	WEHT-25 IN
	WJYG-33 IN		1145	WDGJ-8 TN		Evansville
	WFFI-55 IN			Nashville	0317	WTHR-13 IN
18	1015 WOSU-34 OH		1214	WKON-52 KY		WHIO-7 OH
	WKRF-22 OH		1232	WLSL-10 VA		WKRC-12 OH
	1028 W41AA-41 WV			Roanoke	0319	WHAS-11 KY
	1031 W48AA-48 WV		1300	WEHA-35 KY	0335	WDYN-2 OH
	(WVVU-24 xltrs)			WKMR-38 KY	1200	WRAU-19 IL
	1055 WPTD-16 OH			WPBO-42 OH		WICD-15 IL
	1100 WMUL-33 WV			WKYH-57 KY		WHMB-40 IN
20	2245 WCFC-38 IL			WOSU-34 OH	1402	WICS-20 IL
	2255 WCIU-26 IL			WOUO-44 OH	1820	W69AC-69 OH
	2320 WCOWL-15 AL		1546	WKPI-22 KY		Millersburg
	Florence			WSVN-47 VA	2017	W52??-52 OH
	2324 WHNT-19 AL			WCVN-54 KY	2036	W47AB-47 OH
	Huntsville			Covington		(WOSU-34 xltrs)
	2355 WAAV-31 AL		1555	WRIP-61 TN	24	0207 WHIO-7 OH
	Huntsville			Chattanooga		0225 WTHR-13 IN
	WZTV-17 TN		1556	WOUF-20 OH	0230	WREX-13 IL
	Nashville		1830	WKYT-27 KY		Rockford
	WYEA-38 GA		1955	WKMJ-68 KY	0314	WJZ-13 MD
	Columbus		2000	WTAP-15 WV	1305	WLFI-18 IN
21	0055 WYUR-48 AL	22	0035	WUHQ-41 MI	1310	WRAU-19 IL
	Decatur		0040	WZTV-17 TN	1315	WMBD-31 IL
	0056 WLKY-32 KY		0100	WHIZ-18 OH		September
	WKYT-27 KY		0102	WNDU-16 IN	1 Tr	1330 CBLFT9-68 ON
0100	KINI-30 MO		0108	WTVO-17 IL	1730	WBGU-57 OH
0140	WICS-20 IL		0115	WANE-15 IN		WKAR-23 MI
0145	KPLR-11 MO			WFFI-55 IN	2	0210 W4NY-7 NY
0235	WEEK-25 IL		0205	WHIO-7 OH	2010	WANE-15 IN
0245	WMC-5 TN		0207	WJRT-12 MI	2030	W67AI-67 OH
	Memphis		0208	WHAS-11 KY		W64AK-64 OH
0246	WISN-12 WI			Louisville		(WVIZ-25 xltrs)
0314	WQAD-8 IL		0229	WLUK-11 WI	2040	WBAO-49 OH
	Moline			Green Bay	2200	CBFT-78 ON
0540	WTVF-5 TN		0234	WTHR-13 IN		CBLFT9-68 ON
	Nashville		0313	KATV-7 AR		CBLFT1-76 ON
0555	WDEF-12 TN			Little Rock		
	Chattanooga		0314	WISN-12 WI		

"An extraordinary super spectacular special, most unusual tropo opening on August 20th that lasted to the 24th, the one tropo opening I won't forget. This particular opening started on the same date as one two years ago (8/20/76) with tropo from VA, WV, NC, CT, MA, & PA. 19 new were logged then, a record number of new stations in my own log I thought. 8/20 to 8/24 netted me 28 NEW which pushes log to 508. DXing from 1967 to the present, it is the first time I've received UHF at 1000 miles--KLAA-14 West Monroe LA--and VHF at approximately 910 with KATV-7 Little Rock AR. Tropo opening of August '78 will be remembered, stations usually received by E-skip were also received by tropo... I bought a new 12" Hitachi 3/18/78, which I think works well on UHF for small set sensitivity there. Also, my UHF rotor broke down 3/23/78, also hasn't yet been fixed. It's stuck in the WEST, but was moved a little on August 20th, though with no pin point accuracy. Still very good signals from the South as it was. 73s"

Jim Gould R.R.#3 Kokomo, Indiana 46901 (317)452-9585 (CST)

June				12 Tr	2230	Knoxville V's	20 Tr	2006	KMBG-14 IA	540	
18 Es	1131	XBPM-2 Chh	1280			Knoxville U's		2010	WIOS-13 NC	400	
24	1100	WPBT-2 FL	1090	13	2020	KBMA-41 MO	458		"under local"		
		KMID-2 TX	1087		2027	KTSB-27 KS	510	2112	W39AB-39 TN		
	1130	KBNW-3 NM	1035		2032	KHIN-36 IA	470	2302	WUTV-29 NY	410	
		Cuba ch 3	1350		2043	KMBG-14 IA	540	2310	KBMA-41 MO	458	
	1150	KMOL-4 TX	1075		2200	KHNE-29 NE	642	2316	KLAA-14 LA?	T	
	1200	Cuba ch 5	1350			KYNE-26 NE	515	21	0618	WETA-26 DC	492
	1235	Cuba ch 2	1350			"under WCUTU"		0622	WBRE-28 PA	536	
	1238	Cuba ch 5	1350		2205	KROC-10 MN	396	0655	KTVP-29 AR	537	
	1300	XBFB-3 NL?	T		2226	WKBT-8 WI	350	0656	WBMA-40 AL	482	
	1320	KIII-3 TX	1102		2230	KOLN-10 NE	552	0657	WICZ-40 NY	537	
28	1923	KDBC-4 TX	1310		2300	KOMU-8 MO	350		KLAA-14 IA	650	
	1929	KID-3 ID	1330	14	0230	WTCN-11 MN	480	0730	WMAO-23 MS	540	
	1930	KBNW-3 NM	1035		0245	KAKE-10 KS	642		WMAA-29 MS	623	
30	2221	KATC-3 IA	795		0340	KTIV-4 IA	540	0825	WTWV-9 MS	464	
	2356	KMID-2 TX	1087	17	2300	KDIN-11 IA	390	0900	WRDU-28 NC?	T	
July					2304	KHIN-36 IA	470		"under local"		
1 Es	0033	KWGN-2 CO	990	18	2100	KOLR-10 MO	445	1800	WCTE-22 TN		
	1030	KACB-3 TX	1020		2145	"CCI on locals			Cookeville 313		
	1100	KMID-2 TX	1087		8 & 13--prob. Tulsa"				(zero offset)		
	1224	KWGN-2 CO	990		2200	KBMA-41 MO?	T	1920	WENT-36 NY	485	
4 Tr	2210	WRBT-36 NC?	T			"under WUHQ"		1925	unID-41		
	2215	KOLR-10 MO	445	19	0030	WUTV-29 NY	405	1935	unID-44		
	2230	WKPT-19 TN	346		0045	KODE-12 MO	515	2040	WTAF-29 PA	573	
5	0515	WIOS-13 NC	400		0540	WICZ-40 NY	537	2041	WLVT-39 PA?	T	
	0520	WTVC-9 TN	385		0545	WNKP-16 PA	545	2042	WKBS-48 PA?	T	
	1920	"very strong signals from central & eastern TN"			0549	WTAF-29 PA	573	2205	KBMA-41 MO	458	
	1922	WIOS-13 NC	400		0613	WRDU-28 NC	522	2219	KLAA-14 LA?	T	
	1930	Huntsville U's			2000	WKNO-10 TN	433	22	0440	WYAF-27 VA	
	2000	WTCT-45 TN	385	22 Es	1655	ICR-2 CUBA	1300		Portsmouth 584		
	2155	KBMA-41 MO	458		"palm tree" IP"			0448	WOLO-25 SC	542	
	"under WUHQ"				1730	WPBT-2 FL?	T	0502	WICZ-40 NY	537	
6	0525	WBRE-28 PA	536	24 Tr	2230	WHO-13 IA	390	0526	WBRE-28 PA	536	
	0616	WETA-26 DC	492		WOI-5 IA	410			WNKP-16 PA	545	
	0717	KOLR-10 MO	445		2300	KYNE-26 NE	515	0532	KBMA-41 MO	445	
	"thru WTHI"				KHIN-36 IA	470		0535	WRDU-28 NC?	T	
	2000	WUTV-29 NY	410	28 Es	1847	KWGN-2 CO	990	0555	WOWI-15 NC	405	
	2010	WENTY-36 NY?	T	Tr	2200	KOLR-10 MO	445	0559	WTAF-29 PA	573	
	2120	GICO-24 ON		29	0705	WETA-26 DC?	T	0615	WHTV-24 MS?	T	
	Ottawa 623				0730	W39AB-39 TN		0721	WBFB-45 MD	508	
	2140	CBLR14-44 ON	470			Greeneville 360		0729	WETA-26 DC	492	
	2339	WHNB-30 CT	704			(WKPT-19 xltr)		0735	W39AB-39 TN	360	
7	0027	WTAF-29 PA	573			"This xltr had been snow free all morn. I called WKPT-19 & engineer said xmtr is only 100w, but is located on highest point in eastern Tennessee."		1900	WETA-26 DC	492	
	0055	CKGN2-2 ON				0730	WRBT-36 NC	2000	WCFB-28 MD		
	Bancroft 518					"now NBC"			Salisbury 577		
	0525	WENTY-36 NY	490			0735	WBMA-40 AL	2020	WVVT-53 VA?	T	
	"Wilkes-Barre area U's weak"					0855	W58??-58 OH	2115	WRDU-28 NC	522	
8	0530	WSBK-38 MA?	T			Georgetown 150		2129	WLVT-39 PA?	T	
	1855	"Des Moines & Ames IA VHF's"				(WCFE-48 xltr)		2220	KBMA-41 MO	458	
	1900	KHIN-36 IA	470					2230	WTAF-29 PA	573	
	1940	KMBG-14 IA	540					2232	WVIR-29 VA		
	2000	WLEB-36 WI							Charlottesville 442		
	Park Falls 427							2245	WITF-33 PA		
	2007	WHWC-28 WI	408	August					Hershey 500		
	2145	KBMA-41 MO	458	19 Tr	2330	KOLR-10 MO	445	2305	W60AB-60 WV		
	"under WUHQ"				2335	KMTC-27 MO	445		Morgan County 330		
11 Es	2100	WCAX-3 VT	720		2359	KTVP-29 AR			(WVU-24 xltr)		
	2114	CHSJ-4 NB	1150			Payetteville 537		0426	WITN-7 NC		
	2119	WGBH-2 MA	785	20	1800	KTVP-29 AR	537	0440	Washington 492		
	2200	WLBZ-2 ME	925		1900	Knoxville V's		0443	WDCA-20 DC	492	
12 Tr	0800	Huntsville U's				Knoxville U's		0450	WBRE-28 PA	536	
	0808	WBMG-42 AL	485			Huntsville U's		0451	WRDU-28 NC	522	
	2230	WIOS-13 NC	400			"under local"		0458	WTVD-11 NC	508	
	"under local"					1905	WIOS-13 NC	0502	KMTC-27 MO	445	
						1910	WTWV-9 MS	0505	WTAF-29 PA	573	
						1930	WBMG-42 AL				

(continued next month -bt)

# WESTERN TV-DX

Bill Block  
9307 S.E. Clay St.  
Portland, OR 97216  
Deadline: 5th

OCTOBER 1978

August and September have been very dull here in Portland, but in other parts of the country there has been some good tropo openings.

Fred McCormack, 909 12th St. N., Fargo, ND CDT

Receivers: Heath GR-169, GR-2000, Broadmoor 9" B&W. Antennas: Rabbit ears.

August 1978

13 Tr 0102 <u>KTIV</u> 4 IA 300	13 Tr 0202 <u>WOI</u> 5 IA 385	24 Tr 2230 <u>KDSD</u> 16 SD 105
0136 <u>WEAU</u> 13 WI 320	0239 <u>KTVO</u> 3 MO 490	2259 <u>WHWC</u> 28 WI 270
0138 <u>KTCA</u> 2 MN 215	14 Es 1853 <u>CFAC</u> 2 AB 840	2300 <u>KYIN</u> 24 IA 310
0147 <u>KCRG</u> 9 IA 395	24 Tr 0656 <u>KMNE</u> 7 NE 340	<u>September 1978</u>
0150 <u>KETV</u> 7 NE 385	0659 <u>KKON</u> 5 SD 225	02 Tr 0959 <u>WDSE</u> 8 MN 220
0154 <u>WOWT</u> 6 NE 385	2213 <u>WLEF</u> 36 WI 310	1000 <u>KDSD</u> 16 SD 105

new logging \_\_ new prop. mode. August saw a couple nice tropo openings. I suppose I am hampered with the rabbit ears, but it is interesting DX any way.

John M. Jefferson, 1150 Tilson Dr., Concord, CA

I'm not usually a TV DX'er, but the lack of activity on FM finally drove me to try it. I have a small Wards B&W with my FM antenna. I'm currently commuting 120 miles a day so will probably be moving soon. Whenever I get settled, though, a proper TV setup is now a must. XEW has bitten me with the TV DX bug, I think; up until I heard their ID, the TV was just to keep me posted on ES developments while the FM band was dead.

June 1978

10 Es 1750 KMID 2 TX 1185 local references on audio, video a total mess.  
13 Es 1825 XEW 2 DP 1700 ID on audio, video again garbled.

John Phillips, 4459 Downing Ct., Pleasanton, CA 94566

July 1978

01 Es 1000 <u>KDIX</u> 2 ND 1159	06 Es 2030 <u>KWGN</u> 2 CO 932	15 Es 1300 <u>KLNE</u> 3 NE 1193
CKCK 2 SK 1253	<u>KTVS</u> 3 CO 1016	1330 <u>KDIX</u> 2 ND 1159
1035 <u>KFYR</u> 5 ND 1276	2040 <u>KLNE</u> 3 NE 1193	1400 <u>CKCK</u> 2 SK 1253
1100 <u>KXJB</u> 4 ND 1369	<u>KNOP</u> 2 NE 1144	17 Es 2030 <u>CKSA</u> 2 AT 1241
1105 <u>KTVQ</u> 2 MT 888	2110 <u>KTWO</u> 2 WY 908	2055 <u>CFAC</u> 2 AT 992
1233 <u>KOMO</u> 4 WA 709	2131 <u>KTVQ</u> 2 MT 888	18 Es 0930 <u>KMID</u> 2 TX 1183
1300 <u>CBUT</u> 2 BC 799	10 Es 1125 <u>CFAC</u> 2 AT 992	<u>KENW</u> 3 NM 1055
1755 <u>XEFM</u> 2 CH 963	<u>CFCN</u> 4 AT 992	<u>KAMR</u> 4 TX 1140
1757 <u>KMID</u> 2 TX 1183	1130 <u>CFRN</u> 3 AT 1181	24 Es 1846 <u>CKSA</u> 2 AT 1241
1800 <u>KENW</u> 3 NM 1055	1139 <u>CBXT</u> 5 AT 1181	1850 <u>CPRN</u> 3 AT 1181
02 Es 1029 <u>KCKT</u> 2 KS 1243	1815 <u>KDIX</u> 2 ND 1159	1900 <u>KNOP</u> 2 NE 1144
1035 <u>KARD</u> 3 KS 1453	1840 <u>KUSD</u> 2 SD 1356	1905 <u>KMTV</u> 3 NE 1395
1050 <u>KAMR</u> 4 TX 1140	1843 <u>KXON</u> 5 SD 1312	<u>KLNE</u> 3 NE 1193
<u>KACB</u> 3 TX 1284	1900 <u>KFYR</u> 5 ND 1276	1918 <u>KSNB</u> 4 NE 1280
05 Es 0905 <u>KMID</u> 2 TX 1183	1905 <u>KPRY</u> 3 SD 1240	1935 <u>KTIV</u> 4 IA 1380
<u>KENW</u> 3 NM 1055	1907 <u>KPLQ</u> 6 SD 1247	2000 <u>KCKT</u> 2 KS 1243
0915 <u>KWAB</u> 4 TX 1206	1945 <u>KDUH</u> 4 NE 1060	<u>CFAC</u> 2 AT 992
<u>KTXT</u> 5 TX 1150	1952 <u>KTIV</u> 4 IA 1380	2012 <u>KREM</u> 2 WA 744
<u>KNME</u> 5 NM 863	2000 <u>KNOP</u> 2 NE 1144	26 Es 0630 <u>KCKT</u> 2 KS 1243
<u>KAVE</u> 6 NM 1055	<u>KMTV</u> 3 NE 1395	0710 <u>KAMR</u> 4 TX 1140
0923 <u>KAMR</u> 4 TX 1140	2123 <u>KTVQ</u> 2 MT 888	0730 <u>KPDx</u> 3 TX 1327
1004 <u>KACB</u> 3 TX 1284	12 Es 0930 <u>CKSA</u> 2 AT 1241	0733 <u>KAUz</u> 6 TX 1327
1019 <u>KDBC</u> 4 TX 963	15 Es 0845 <u>KMID</u> 2 TX 1183	0745 <u>KTXT</u> 5 TX 1150
2030 <u>KENW</u> 3 NM 1055	<u>KENW</u> 3 NM 1055	0752 <u>KENW</u> 3 NM 1055
2035 <u>XHI</u> 2 SN 986	<u>KWAB</u> 4 TX 1206	0755 <u>KMID</u> 2 TX 1183
<u>XHQ</u> 3 SN 1232	1000 <u>CFAC</u> 2 AT 992	0800 <u>KWAB</u> 4 TX 1206
<u>XHBS</u> 4 SN 1115	1040 <u>KREM</u> 2 WA 744	0820 <u>KACB</u> 3 TX 1284
06 Es 2020 <u>KOA</u> 4 CO 932	<u>KXLY</u> 4 WA 744	

With the skip season sinking slowly in the west, conditions haven't improved much over the last month. MUF's are still low while the quality of most openings has been mediocre at best. Just bought an AC-4990 so I could see what all the hoopla's about. I'm now making some A/B switch comparisons tests between it and Jerrold's "high-gain" DSU-105 preamp. I'll give a detailed report next month, but preliminary testing has been quite surprising. And NOT in 4990's favor.

Wow! What a tropo opening on 8/20. Logged my first ever 1000-mile tropo catch WATL-36, Atlanta, at 1010 miles! The video was badly distorted by CCI, but the audio was clear, and the station was signing off. Got a number of other stations in the 800-900 mile range. The whole eastern third of the nation must have been under a blanket of tropo.

August 1978

11 Es 0054 WESH 2 FL 1410	13 Tr 2109 CKCO 42 ON 580	20 Tr 2238 CKCO3 42 ON 580
0102 KUTV 2 UT 1080	2111 U's Detroit	2250 WATL 36 GA 1010
0121 KTWQ 2 WY 755	2158 WEYI 25 MI 475	21 Tr 0007 WYUR 48 AL 900
12 Tr 2041 WGVC 35 MI 425	2159 WCMU 14 MI 430	0010 WKPT 19 TN 880
2044 U's Kansas City	2252 WFFT 55 IN 540	0029 WDWL 15 AL 880
2046 U's Sioux City	14 Tr 0005 CKGN 29 ON 580	0222 KMOX 4 MO 575
2048 KTSB 27 KN 570	0013 WWTW 9 MI 380	22 Tr 1500 WUHQ 41 MI 475
2053 KYNE 26 NE 430	0014 WUWP 10 MI 380	WEYI 25 MI 474
2054 KHNE 29 NE 535	0036 WOTV 8 MI 425	24 Tr 1856 U's Chicago
2059 KBIN 32 IA 430	0038 WOC 6 IA 375	1858 U's Peoria
2109 KSPY 13 SD 320	0042 WJRT 12 MI 505	25 Tr 0054 WICS 20 IL
2114 KCBJ 17 MO 545	0112 WQAD 8 IL 375	1015 U's Detroit
2132 KXNE 19 NE 425	2151 U's Chicago	U's South Bend
2232 KDNL 30 MO 575	20 Tr 2158 KDNL 30 MO 575	U's Ft. Wayne
2237 U's Chicago	KMTC 27 MO 670	WKIX 19 OH 660
2254 KHIN 36 IA 435	U's Peoria	WCST 48 OH 660
2300 KETV 7 NE 430	2200 KOZK 21 MO 670	1024 CKCO3 42 ON 580
13 Tr 0002 U's South Bend	2204 KCBJ 17 MO 670	1028 WDBO 24 OH 565
0009 U's Peoria	2209 WDAU 22 PA 915	1033 WPGH 53 PA 765
0053 KMTV 3 NE 430	2219 U's Detroit	1035 WNBO 45 OH 700
0113 WICS 20 IL 500	2242 WKBN 27 OH 710	1036 WUAB 43 OH 635
0204 KTIV 4 IA 365	2304 WPMJ 21 OH 710	1115 WOLN 54 PA 690
0205 KTVO 3 MO 460	2252 WNBO 45 OH 700	1137 U's Youngstown
0209 KMBC 9 MO 550	2208 WYTV 33 OH 710	1556 WVIZ 25 OH 635
0226 WOWT 6 NE 430	2233 WFIE 14 IN 655	

And here's hoping everyone else's tropo has been as good as what I've been getting here. Duluth log total now at 229.

Pat Dyer, 5315 Silvertip Drive, San Antonio, Texas 78228

CST

Equipment: 1976 9-inch E&W Penncrest; Archer V-100 and 8-lay bow-tie UHF array at 20 feet with rotor.

August 1978

01 ms 0656 KTCA 2 MN 1110	03 Tr 0451 KBMT 12 TX 275	03 Tr 2100 WRBT 33 LA 450
Es 0827 KNXT 2 CA 1190	0500 KLFY 10 LA 395	04 Es 2150 KUTVt 2 UT 1080
0830 KUTVt 2 UT 1080	0507 WVUE 8 LA 510	05 Es 0055 WESHt 2 FL 1055
0835 KNBct 4 CA 1190	0510 KPDM 6 TX 275	ms 0344 WJBK 2 MI 1225
0847 KORK 3 NV 1050	Es 0930 unIDs 2-3	06 Es 0845 unIDs 2-4
0915 KTVK 3 AZ 835	0959 KIMT 3 IA 985	0859 KTCA 2 MN 1110
1030 unIDs 2-4	1000 WJBK 2 MI 1225	WISC 3 WI 1065
1033 WBTv 3 NC 1105	WCCot 4 MN 1110	KDALt 3 MN 1250
1055 WRcB 3 TN 865	1005 MUF 92.3	KIMTt 3 IA 985
1100 WBAY 2 WI 1190	1029 KTCA 2 MN 1110	0902 WCCot 4 MN 1110
WISC 3 WI 1065	KTVO 3 MO 835	KSTPt 5 MN 1110
1159 KUTV 2 UT 1080	1049 KJSD 2 SD 920	1020 f/out
1227 KBCT 2 ID 1370	KFYRt 5 ND 1200	07 ms 0309 WAGA 5 GA 880
02 Es 1359 WcBD 2 SC 1120	1105 WBBM 2 IL 1045	08 ms 0357 WFBC 4 SC 1030
WSAV 3 GA 1050	1123 KDLO 3 SD 1070	WBTV 3 NC 1105
1530 WESH 2 FL 1055	1125 WBAY 2 WI 1190	(each prior by Es)
1610 f/out	1129 KPLO 6 SD 955	Es 1020-1100 unIDs 2,3
03 ms 0405 WLAC 5 TN 820	1159 KOTA 3 SD 1040	1059 KDIX 2 ND 1225
(2-3 min burst)	1231 KTWQ 2 WY 1015	1101 CKPR 2 ON 1400
Tr 0424 KNOE 8 LA 440	1258 KUTV 2 UT 1080	1115 unID 4
KLTV 7 TX 280	1259 KWGN 2 CO 810	1200 f/out
0429 WJTV 12 MS 525	1325 KTVXt 4 UT 1080	09 Es 0935 KNXTt 2 CA 1190
0444 WBRZ 2 LA 450	KSLt 5 UT 1080	0945 KORkt 3 NV 1050
WAFB 9 LA 450	1328 MUF 90.1	KNVkt 3 AZ 835
0448 KPLC 7 LA 325	1415 f/out	KNBct 4 CA 1190
0450 WRBTt33 LA 450	Tr 1859 KPDM 6 TX 275	0958 MUF 89.9



August 1978

09 Es	1055 KTCat	2 MN	1110	12 Morning to noon meteor	25 Es	2005 KNICt	4 CA	1190
	1059 KDAL	3 MN	1250	rates so high that Ch 2		2015 KNXtT	2 CA	1190
	1150 f/out			seldom vacant of a burst		2030 KTVKt	3 AZ	835
10	Ch 5 Ft.	Worth on with		for more than 10-15 sec.		2140 f/out		
	at 0518,	4 on 0522 so		at a time.	28 Es	1925-1930 unID	2	
	get anything new when	peak at 0600.		13 ms	0446 KYTV	3 MO	615	
	Es 1210-1215 unID	2			0447 WEAR	3 FL	685	
	1300-1305 unID	2			0448 WRBL	3 GA	830	
11 ms	0411 WAVE	3 KY	945		0509 WKYC	3 OH	1250	
Tr	0413 KLTv	7 TX	280		0520 WCIA	3 IL	935	
	KNOE	8 LA	440	14 ms	0332 WLWT	5 OH	1035	
	0414 KLFT	10 LA	395	15 ms	0350 WLAC	5 TN	820	
ms	0423 WMT	2 IA	945	17 Tr	0020 WRBT	33 LA	450	
Tr	0430 KPLC	7 LA	325		0430 KPLC	7 LA	325	
	0436 WAFB	9 LA	450	18 Tr	0920 KETSt	2 AR	515	
Es	0930-0935 unID	2		20 Tr	2337 WAFB	9 LA	450	
	1005-1010 unID	2		25 Es	1335 Cuba	2 (tp)		
12 ms	0343 WAGA	5 GA	880		1340 WTVJt	4 FL	1150	
	0419 WAVE	3 KY	945		1344 WCIXt	6 FL	1150	
	0435 WSB	2 GA	880		1359 WTHS	2 FL	985	
	(2-Houston on 0440 and				1410 f/out			
	local 4 soon after that				1800 unIDs	2		
	a lesson in how to screw				1817 KTWO	2 WY	1015	
	up a meteor shower.)				1830 KUTV	2 UT	1080	
Es	1915 unID	2			1902 KWCN	2 CO	810	
ms	2300 KCKT	2 KS	615		1950 KORK	3 NV	1050	
					1954 KOAI	2 AZ	855	
					1958 KVVUt	5 NV	1040	
					2030 MUF	97.9		

After the first week or so of the month Es went into a slump, with some revival in the last week of August. The Persseids appeared to be in good shape but ID's made very difficult, as noted above, with the early s/on of local and semi-local stations on the most "wanted" Ch's and trop conditions were up (500 mile range). Judging by the WWV reports the last week of August should have been very wild for those in the north who get aurorae.

## LOOKING FOR WINTER DX?



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Currently membership dues in North America are \$15 yearly (U.S. funds) plus a one-time new member charge of \$1, which entitles the member to our informative booklet, "Getting Started in Medium Wave DXing". Come join us!

# CONVENTION *REPORT* 1978

Thanks to all for all the good wishes, because by some miracle I did get my FCC 1st class, much to my surprise! But that's not what you were looking here for, what you were searching for is the fact that those who missed the Louisville convention really did miss a great time....those who were here with us will vouch for that and if you weren't, we want to know WHY NOT!!

Seriously, with an attendance of about 40 (facts be they known Wayne Murphy who was the co-host moved recently to Nashville and has the exact records!) we had a grand time, as the WTFDAers managed to visit a number of the local stations, ride the 1920s vintage steamboat Belle of Louisville--the only floating City-County park in the US--and see a number of different and interesting presentations--from slides of DX to a complete explanation of SCA from Bruce Alving.

We also managed to get in the first (I say this as I am SURE this will become an annual event) WTFDA waterball game in the motel pool and we managed through some obvious oversight to not get evicted from the hotel during the weekend. We also managed to eat through enough food at the banquet to feed a small army, and somehow we had more beer than soft drinks leftover, which means that while you might get sick from six Cokes, nobody we saw was drunk (of course with a DXer how can you tell, anyway??)

Those who attended will forgive me the oversight of repetition, but those who didn't come will be interested to know the following facts, which nobody could REALLY...forget:

--Given some 50 Radio Shack beach balls and some 40 odd DXers and a motel pool with 90 degree temperatures, watch out! We even got George Greene into the pool!

--It is possible to be in radio and rich, but it is rare to find someone who is not only both, but a great and humorous speaker as was Clarence Henson at the WTFDA Banquet Saturday night! For those who did not show, he gave out free records to all comers!

--Downtown Louisville is an interesting place on a Saturday when a bunch of DXers are turned loose on an otherwise quiet German Festival. Those attending said it was the "wuerst" part of the weekend!

--It is possible to DX the riverboats, including the Belle of Louisville as the DXers found during a special tour of the pilothouse and top deck of the Belle. Radio, steering and Ohio river navigation were explained.

--For Rich Segalas, who says he bets I don't tell the whole story, Louisville kept its part of the annual summer of conventions, because it did rain here during the convention. Rich, for those skeptics out there, says "it always rains" and it did here--we attempt to uphold all traditions!

--It was great to see so many DXers we had not met before here in Louisville. Most folks were surprised not only because so many people did show up, but because a lot of them were not regular attenders of WTEA conventions--we hope they will all make it a habit, wherever we go next year!

Last but not least, we will note (for the skeptics who said I could never do it being a spendthrift) that it appears the convention made a few bucks for the club. We have a couple small bills yet to pay, but otherwise, things look good. We thank all who made it possible--from the many firms and stations who helped us, to the DXers who came, visited, saw, enjoyed, lectured, exhibited and the like. We hope that all enjoyed it as much as Wayne and I did putting it together!

Ted Meischaker (aka Wolf J. Flywheel!)

Photos Next Month!







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