

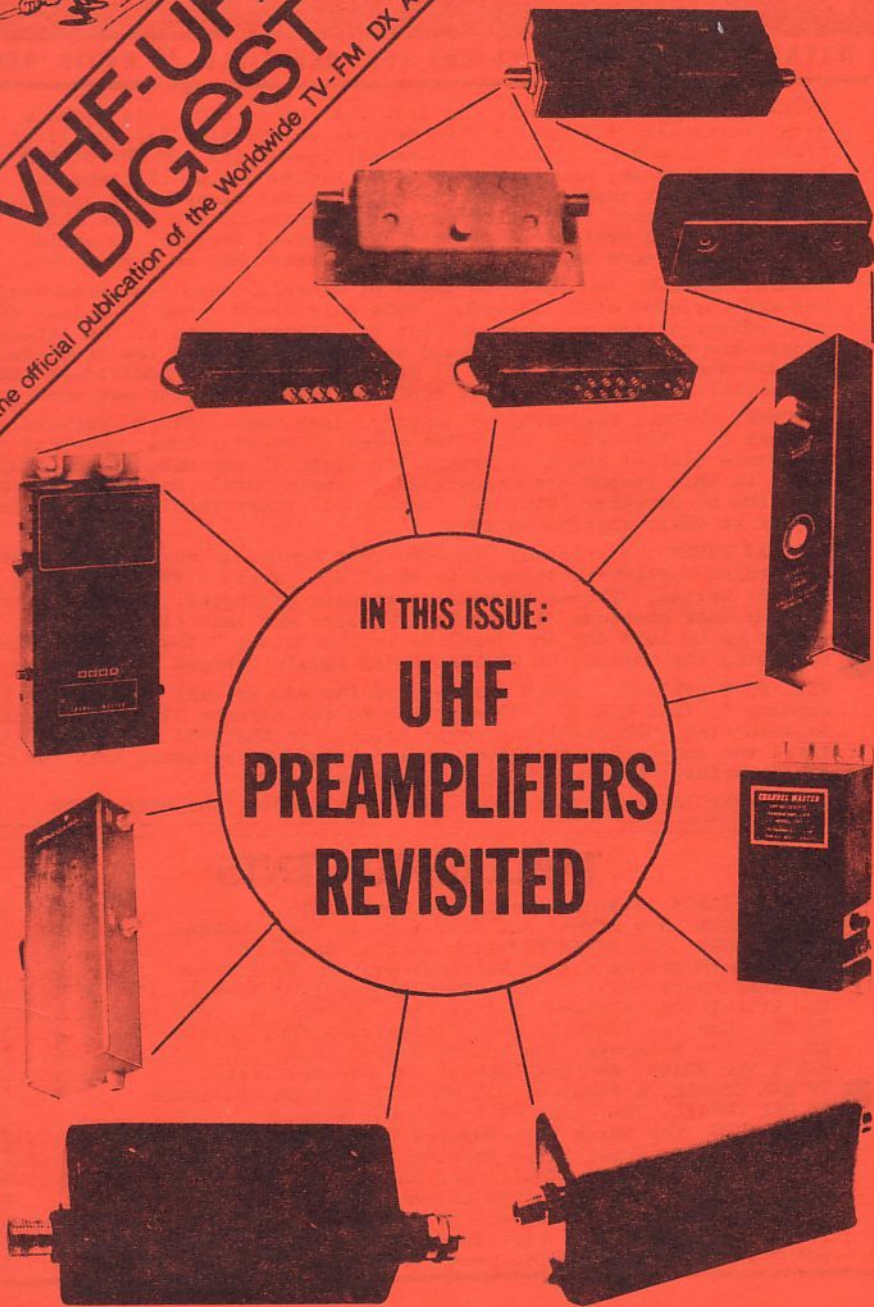
OCTOBER 1976

# VHF-UHF DIGEST

the official publication of the Worldwide TV-FM DX Association

IN THIS ISSUE:

## UHF PREAMPLIFIERS REVISITED



# **publishers' notes...**

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

**STILL A BIG ISSUE...** Despite the fact that we've kept this issue's size reasonable (i.e. under the previous record size for the first time in four months!), this 48-page edition of the VHF-UHF DIGEST isn't small by any means. A technical review of two UHF amps and Part Two of our continuing series on TV signal accessories appear this time; several regular columns also return to VUD pages this month. If both Western DX columns had arrived (below), we would have made 60 pages easily. Perhaps it's best that we didn't, hi!

**REPRINT SERVICE...** Another 300 pages of material have been processed, and are included with individual VUDs this month. Due to a lack of your editor's time now that college has resumed, some of the larger orders are being held. It should be no secret that a few of these mammoth orders (ranging up to 87 pages) will require additional time to fulfill, and will be mailed ASAP; we appreciate your patience.

**SOUTHERN TV-DX...** Beginning in January, John Combs (816 W. Harvard, Orlando FL 32804) will edit WTFDA's fourth TV-DX column, covering reporters east of the Mississippi and south of the Mason-Dixon line. DXers in this region are encouraged to contribute! Until the first deadline of December 10th, all Southern TV-DXers should continue to report to their current editors.

**WESTERN DXERS...** are largely ignored this month, as neither DX column concerning Westerners appears in this VUD. Western TV editor Doug Everitt writes, "Please express my sincere apologies...As I recover from my back problems, I seem to have less and less time. I don't expect to be late for any deadline in the future." The circumstances regarding the absence of WESTERN FM-DX remain unknown at this time.

**WILL PETE OPRISKO...** reach his goal of 100 educational FM stations by January 1, find his ST-5130 superior to the Marantz 125, and persist in selecting such brilliant cover colors for the VUD? The answer to these and many other questions will be found in upcoming editions of our magazine---keep watching for details!

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

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# WTFDA MAILBOX

John Zondlo  
6617 Maryland  
Hammond, IN 46323  
(219) 844-8694  
Deadline: 15th

Greetings. A banner month for new members and renewals:

Alex Berman	2755 Elmwood Drive S.E.	E. Grand Rapids, MI 49506
Ludo A. Bertsch	3905 Hillsdale St.	Regina, SK S4S 3Y6
Tom Bishop	4936 N. Kansas Ave.	Kansas City, MO 64119
Charles C. Boehnke	Box 223	Los Gatos, CA 95030
Roosevelt Crawford	3337 Milledgeville Rd. Lot #143	Augusta, GA 30904
Leo Duffy	12149 Indiana St., #17	Riverside, CA 92503
Stephen Francis	1620 Lodge St.	Alcoa, TN 37701
Arthur Hamlyn	Box 6200	Winnipeg, MB R3C 3A4
Harry Hann	2138 W. Main St.	Millville, NJ 08332
Tony Martin	15332 Coyle	Detroit, MI 48227
M. Pawlukiewicz	3007 W. Eastwood Ave.	Chicago, IL 60625
Robert Pegg	RD3, Box 357	Milford, NJ 08848
Mike Piesko	4744 Springwells Ave.	Detroit, MI 48210
Mark Saran	5418 Latona N.E.	Seattle, WA 98105
Carleton Sarver	256 W. 88th St.	New York, NY 10024
John Seay	1021 Englewood Ave.	Chattanooga, TN 37405
Darryl Sopata	23701 Panama	Warren, MI 48091
R.W. Strong	3398 Mark Ave.	Windsor, ON N9E 2X1
Don Voegele	211 W. 1st Ave., Apt. F	Chico, CA 95926
Bruce Winkelman	3324 Kettering Place	Greensboro, NC 27410

Rejoin: Richard C. Evans-Box 392-New Buffalo, MI 49117  
Jack Hathaway-2109 Tamarack Court-Champaign, IL 61820  
Gil Morgan-206 W. Finch St.-Anaheim, CA 92807

Renew: John Basehore, Artie Bigley, Mike Bugaj, Mike Dalton, John Dyer, Robert Eddy, Robert Fischer, John Guiney, Glenn Hauser, Scott Levitt, J.O. Mallinson, Kurt Nelson, Dr. J. Joel Rosenberg, Peter Sawatzky, Rick Segalas, Tony Ward, Larry Weil, Jim White, Michael Wimer.

Address Change: Artie Bigley-700 121A Airport Frw. #403-Hurst, TX 76053  
Robert Colyard-21 Spark Drive-Bricktown, NJ 08723  
Timothy Miller-410 Snyder Hall URH-Champaign, IL 61820

ALEX BERMAN is a 29 year old clinical engineer whose primary DX interest is FM. His DX gear includes a Heath 1500A receiver and a Channel Master 9 element yagi at 40'.

New member LUDO BERTSCH is also a member of 7 other clubs, including IRCA, CIDX, and ASWLC. For his pursuit of TV-FM DX, Ludo uses a Wynford Hall 24F18 and a Pye T7103.

From way down south comes a career Army man, ROOSEVELT CRAWFORD. In his DX shack you'll find a Sansui 5500 receiver and a 25" Ranger 39-296 FM modified TV.

A PSB DXer, HARRY HANN's DX equipment includes a Regency A.C.T LOW and a D.F.S.-5K.

Another member who pursues DX on the public service bands is TONY MARTIN, who uses a Regency HR-2 receiver. Seems like we could almost form a new club in the Detroit area, hi. (Don't give them any ideas, John -CWI)

Make it 3 in a row for the public service set. New member M. PAWLKIEWICZ enjoys scanning the band with a 16 channel Regency scanner.

A 16 year old high school student, BOB PEGG is also a member of IRCA and NRC. On the TV-FM side of the hobby, his gear includes a Zenith 19" color TV, a Channel Master antenna with rotor, and a Sherwood Model S-3000IV FM tuner.

From the land of the Seahawks and Mariners comes MARK SARAN, who uses 3 different scanners for the public service bands.

JOHN SEAY is interested in FM DXing, and just getting into TV DX. His gear includes a Penncrest 1313A and an Archer FM Stereo Supreme antenna.

Another new member from the Motor City area is DARRYL SOPATA. His primary interest is TV DXing, using a 19" GE color set with a 20 element antenna and a rotor.

From North Carolina way comes BRUCE WINKELMAN, who's mainly into BCB DX but finds FM-TV "fascinating". He's not off to a bad start in our branch of the DX hobby, as he uses a Sherwood S7100A for FM DX.

Tidbits.....

This month's total of 20 new members is by far the best turnout in many, many months. In fact, it helped boost our member count to 290 as of September 3rd, and we should gain a few more by the beginning of the month of October. Many of the new members this time found out about the club from an article on VHF radio DX in the August '76 issue of Popular Mechanics. In all, the article netted around 30 requests for information on the club. WTFDA is also being mentioned in articles in other publications such as Communications World and Communications Handbook. We still need the help of every member to make that membership figure go even higher. If you'd like some brochures explaining the club to pass out, just let me know and I'll send some your way.

Vic Melis (150 Saylor's Mill Road, RD#1-Spring City, PA 19475) writes: "Well, after living 13 years in a half-double in downtown Pottstown and putting up with blocked FM signals on 3 sides (N, W, & E) I'm finally moving to greatly improved DX conditions! With my fiancée, Nancy, we've just bought our first dream home on an acre in Snowdenville (P.O. Spring City RD1), population 25, about 5 miles S.E. of Pottstown. Great elevation, no tall buildings or industry...mostly corn and wheat fields. After we're married September 4th (Congratulations!-jz), Nancy goes back to her old hobby- FM DXing with her Marantz 2230 receiver with which she logged a few impressive catches including several via Es from Ga., Miss., Fla., & Tex. with an indoor dipole! Meanwhile, at the new house I'm installing my antenna system- JFD-LPL-FM10A, JFD-LPV-TV130, and a Finco P7 (7" dish for UHF. So long multipath & auto ignition noise!"

Rejoining the club after about a 4 year absence is Richard C. Evans, who's also called Rick, Rich, rce, or most anything else you want to call him except late for dinner. He writes, "John Zondlo finally twisted my arm hard enough (didn't hurt a bit, hi-jz). I enjoyed meeting everyone at the Chicago convention early in August. Some of the names were familiar, but many were not, but everybody was still friendly." Rick is an established BCB DXer, and the president of the International Radio Club of America.

The July 12th issue of the Topeka Daily Capital had an article which featured WTFDA's own Dave Pomeroy. Here's how it went: "Now to get back to Topeka, Dave Pomeroy, program director at KTWU, channel 11, told me that some area viewers might find they have a Salt Lake City, Utah, or Baltimore, Md., station instead of channel 2 - KQTV in St. Joseph - this summer. Pomeroy, who is a member of the Worldwide TV-FM DX Association, said television signals on channels 2 to channel 6 can often travel great distances when certain atmospheric conditions exist to reflect them back to earth. Normally, the signals go on out into space. A DXer for years, he said it is helpful to have a good outdoor antenna and an antenna rotor system, but not necessary. It's basically a matter of tuning in at the right time. Channel 11 has been received recently in San Antonio, Tex., and both channels 13 and 27 have been observed from Downsview, Ontario, Canada. Pomeroy said he'd be glad to fill anyone in of the art of finding these illusive signals."

This word comes to us from Harvey Woodworth (142 Otsego Ave.-San Francisco, CA 94112): "My Sony 3 band receiver, model ICF-5500W, is getting a minor repair job done on it, so, it will be ready to be put through its paces in the very near future. Although I've kept my hobby at a limited pace, future plans call for a new DX den and a home video theatre. These will have to be special projects, and when completed, will be the future home for amateur slow scan TV, and, also, amateur fast scan television."

Like to keep up with DXing when the FM-TV bands are down? Try BCB DX! The club for you is IRCA....for more information, write IRCA, P.O. Box 21462, Seattle, WA 98111. Dues are \$12 for 34 issues of their bulletin, the DXM.

Well, reckon that's about it for this month...see ya in November.....jz



# FCC TV NEWS AND DATA

Dave Pomeroy  
KTWU--Channel 11  
Signal Hill  
Topeka, Kansas  
66604

October 1976

### TV Applications

*Shreveport, LA	(24)	1726 kw	1070 AAT
Kansas City, MO	(50)	652 kw	1159 AAT
Ft. Worth, TX	(21)	4529 kw	1311 AAT
Columbus, OH	(28)	2089 kw	994 AAT

### New Stations On the Air

KDUB-40	Dubuque, IA
WECA-27	Tallahassee, FL
KEVN-7	Rapid City, SD
KIVV-5	Lead, SD

### Stations Off the Air

KLNI-15	Lafayette, LA
WGSF-31	Newark, OH (unofficial)

### CP's Granted

*McComb, IL	(22)	354.8kw	1218 AAT
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### CP's Deleted

*Akron, OH	(55)	WCOT-TV
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### Call Letters Granted

*KZSD-TV	Martin, SD	New ch. 8
WDTN	Dayton, OH	was WLW-D
*WNMC-TV	Rock Hill, SC	New ch. 55
WFMZ-TV	Allentown, PA	New ch. 69
WTVH	Syracuse, NY	was WHEN-TV
KTTC	Rochester, MN	was KRCC-TV
WHFT	Miami, FL	was WFCB-TV

### Call Letter Applications

*KLTS	Shreveport, LA	new ch. 42
WVII-TV	Bangor, ME	now WEMT

### Translators Granted

K021D	Yukatat, AK	was K04IF
K130C	Juneau, AK	KINY 10w
K45AA	Erda Test Site#6, NV	KSHO
K48AB	Erda Test Site#6, NV	KLAS
K52AC	Erda Test Site#6, NV	KORK
K35AA	Erda Test Site#12, NV	KSHO
K38AA	Erda Test Site#12, NV	KLAS
K41AA	Erda Test Site#12, NV	KORK
K061U	Erda Test Site#51, NV	KORK
K09MV	Erda Test Site#51, NV	KLAS
K11NI	Erda Test Site#51, NV	KSHO
K10JS	Elko, NV	KTVN 100w
K021E	Mercury, NV	KORK
K041M	Mercury, NV	KLAS
K061T	Mercury, NV	KSHO
K42AA	Pahrump, NV	KSHO 100w
K44AA	Pahrump, NV	KORK 100w
K49AB	Pahrump, NV	KLAS 100w
K51AC	Pahrump, NV	KVVU 100w
K53AE	Pahrump, NV	KLVX 100w
K10KB	Austin, NV	KTVN
K68AX	Price, UT	KSL
K05FY	Tropic, UT	KSL
K070B	Cannonville, UT	KUED
K08IT	Henrieville, UT	KUTV

### Translators Granted (con't.)

K09NM	Brice Canyon Airport, UT	KTVX
K10KA	Henrieville, UT	KUTV
K11NK	Bryce Canyon Airport, UT	KUTV
K12KQ	Henrieville, UT	KSL
K130G	Bryce Canyon Airport, UT	KSL
K021F	Tropic, UT	KUTV
K041N	Tropic, UT	KTVX
W64AO	Mt. Pocono, PA	100w WDAU
K11HV	Green Mountain Reservoir, CO	was K10AS
K11NL	Big Timber, MT	was K10AS
K10KC	Colstrip, MT	KYUS
K51AD	Ely, NV	KTVN
W62AN	Onondaga Indian Reservation, NY	

### FROM THE READERS:

WETA-26 in Washington, DC has been granted a CP to increase power from present to 2290kw vis (max.), 1660kw (H), 166kw aur., with an antenna height of 770 feet...The Ohio Educational Television Network has been granted a CP to operate a 1,000 watt xltr. on channel 31 to replace WGSF-31 in Newark which was to go off the air on July 1...WEHT-25 in Evansville, IN has received CP to increase power to 1230 kw...KRSD-7 and KDSJ-5 in SD have been replaced by KEVN and KIVV...WVAN-9 with the Georgia ETV Network now programs part of its programming separate from the rest of the network...WHA4-46 "is now back on the air with more power and better reception than ever" according to an ad in the Atlanta Constitution...KVDO-3 in Salem, OR is expected to be on the air around the middle of September as a satellite of KOAP-10...Oregon legislative decision has freed \$404,000 to extend OEPBS programming to eastern Oregon using old KTVR-TV transmitter in LaGrande on channel 13; with UHF translators to fill in other areas...New applicant for channel 50 in Kansas City, MO is Youth for Christ organization; programming would likely be religious...KMTC-27 in Springfield, MO now operates all night on Saturday evenings...Broadcaster in Bend, OR is surveying community to determine if enough interest is present to warrant activation on channel 21 a new commercial TV station...Oklahoma City Public Schools are giving consideration to closing KOKH-25 because of costs; OETA also operates a station on channel 13 in Oklahoma City...WVNT-53 is moving away from PBS programming and more toward local programming for Northern Virginia...PBS program distribution will move from AT&T to satellite in the next few years...Thanks this month to Frank Aden, Jr., Dave Cox, and Patrick of Portland. Would like to hear from more of you.

## New FM Stations Authorized

AK Healy K269AD \*101.7 & c 10 w, P [KUAC \*104.7 Fairbanks translator] On the air!  
AK Kenai 100.1 3000 h,v; 1947 12, 40 miles  
CA Davis 105.5 3000 h,v; 300'  
CO Boulder \*88.5 1300 h,v; 215' 10, 38 mi  
FL Starke 106.3 3000 h,v; 120' 9, 35"  
IN Indianapolis \*91.5 10 w, ME Bath \*91.5 10 w, MI Howell 93.5 3000 h,v; 300', m  
MI Sault Ste. Marie 101.3 10000 horizontal 60000 vertical; 220' [100.5 Durango CD]  
NM Aztec K285AH 104.9 & k, Mutual [KRSJ / TX Amarillo 93.1 7100 h,v; 161' 37, 106km  
TX Marshall \*91.1 10 W Wiley College  
UT Rural Utah County K288BC 105.5 \$, m [KSL-FM 100.3 Salt Lake City translator]  
VT Colchester \*89.5 1260 watts; 2160'  
WA Spokane \*90.3 10 Whitworth College

## On air and DX Ready! (presumed)

CA Susanville KSUE-FM 92.7 160 h,v; 1050'  
IN Fort Wayne WLHI \*88.3 10 w; gospel  
IA West Des Moines KNOM \*88.9 10 w  
MS Fulton WFTA 101.7 3000 h,v; 300'  
MO Chillicothe KCHI-FM 103.9 1550 h,v; 400'  
NE Crete KTAP 103.9 3000 h,v; 225'  
NC Warrenton WVSP \*90.9 5000 h,v; 500', Stereo, jazz-soul, P (Nat'l Public Radio)  
OH Kettering (Dayton) WCXL \*88.3 10 w (but FCC lists as \*88.7. Ohioans, please check to see which frequency this is on!)  
SC Columbia WWHK \*89.7 60000 h,v; 410'  
TX Austin KMXX 102.3 741 h,v; 548'  
TX Palestine KHIM 98.3 3000 h,v; 300'; g  
WI Marinette WLST 95.1 100000 h,v; 430', rock, Stereo, "FM-95," on after midnight  
WY Cody KYDZ \*90.1 10. [See updates elsewhere in this column.]

## On air with changes (selected)

CA Fresno KFCC \*88.1 390; 1940; 32, 60 mi  
CA Gilroy KFAT 94.5 1150 h,v; 2880'  
IN Indianapolis WIAN \*90.1 10000 h,v; 560'  
KY Glasgow WGGC 95.1 100000 h,v; 390' [840'  
MD Hagerstown WNCB-FM \*106.9 13500 h,v; /  
MA Worcester WICN \*90.5 2000 h,v; 370'  
MD Baltimore WLIF 101.9 13500 h,v; 960'  
MN Litchfield KLFD-FM 95.3 300' (3000h,v)  
NJ Atlantic City WAVV 95.1 20000 h,v; 300'  
NY Glen Falls WBAZ-FM 107.1 280 h,v; 840'  
TN Chattanooga WYNO 106.5 100000 h,v; 1080'  
TX Dallas KKDA-FM 104.5 100000 h,v; 675', Stereo dropped? 1 reporter says so!  
TX Mt. Pleasant KPXI 100.7 100000h,v; 155'  
WI Eau Claire WEAU-FM 104.5 85000 h,v  
WI Ft. Atkinson WFAW-FM 107.3 50000 h,v; 500'

## Facilities Changes

AL Florence WQLT 107.3 100000 h,v; 640'  
CA Bishop K240AA 95.9 both h & v outputs  
CA Ontario KSON-FM 89' (3000 h,v) 7, 30 mi  
CA Sonora KRQG 92.7 890 h,v (560')  
CA Tracy KSRT 100.9 3000 h,v; 250'  
CO Denver K1MM-FM 98.5 50000 h,v (720')  
DC Washington WPFV \*89.3 50000 h,v; 395'  
WYAY-FM 99.5 21000 h,v (770')  
ID Twin Falls KEJZ 95.7 adds vertical

KS Wichita KEYN 103.7 has v (delete SCA)  
KY Benton WCBL-FM 102.3 3000 h,v; 300'  
MD Baltimore WDJQ 104.3 420' (20000 h,v)  
MI Dowagiac WDOV-FM 92.1 300' (3000 h,v) moving officially from 97.7!  
MN Brainerd KLIZ-FM from 95.7 to 107.5 (forced by FCC to move to make room for a Forest Lake MN 95.9 assignment; must be moved by April 1, 1977)  
MN Morris KMRS-FM from 107.5 to 95.7  
MN Pipestone KLOH-FM 98.7 40000 h,v; 700' (transmitter Chandler MN)  
MS Biloxi WQID 93.7 300' (100000 h,v)  
NV Hawthorne K240AD 95.9 and NV Inlay K249AD 97.7 both have vertical, horiz.  
NH Portsmouth WHEB-FM 100.3 31000 h,v; 160'. NY New York WNNW 97.1 4600 h,v; 1300' 30, 68 mi. Moves lower on same tower, but gains vertical.  
NY Troy WFLY 92.3 13000 h,v; 850'  
NC Kinston WDOV 97.7 170' (3000 h,v)  
NC Tarboro WKTC 104.3 100000 h,v; 220'  
OH Cleveland WXEN 106.5 480' (50000h,v)  
OR Eugene KLCC from \*90.3 to \*89.7, 9700 w; 720'; 43, 103 km primary and secondary coverage radii.  
OR Portland KPQQ-FM 93.7 100000 horizontal only! (940')  
PA Philadelphia WRTI \*90.1 5600 h,v (400' WSH 106.1 22500 h,v (740')  
PA Towanda WITC-FM 95.3 3000 h,v (125')  
PA Washington WJPA-FM 95.3 has vertical  
PA Wilkes-Barre WBRE-FM 98.5 5800 h,v; 1180'. PA York WQXA 105.7 directional  
RI Providence WHIM-FM 94.1 50000 h,v; 440'  
TN Springfield WDBL-FM 94.3 215' (3000h,v)  
TX McAllen KVMW 96.9 100000h,v; 225'  
TX Pearsant KBOF-FM 98.3 300' (3000h,v)  
TX Tyler KYTL 93.1 adds vertical (26 mi)  
VT Burlington WRUV \*90.1 460; 145' (6, / VA Bristol WFHG-FM 96.9 directional, protecting WDBM-FM "Statesville NC)  
WV Morgantown WCLG-FM 100.1 300' (3000h,v)  
WI Milwaukee WZUU-FM 95.7 500' (50000h,v)  
PR Mayaguez W0YE 94.1 20000; -145'

## Stereo Stations

AR Hope KHPA 104.9 [MN Duluth  
IL Normal WGLT \*89.1, c] WOTH \*103.3  
ME Bangor WPMC 92.9 [MS Pascagoula  
MI Allendale WSRX \*88.5 [WGUD 106.3  
MI Ishpeming WMOI 107.1 m (from r)  
MO West Plains KWPM-FM 93.9 music SCA  
NJ Ship Bottom WJRZ 100.1, m  
NY Ithaca WICB \*91.7; OH Celina WNER 94.3, music SCA.  
OH Georgetown WURD 97.7, k [SCA  
WV Buckhannon WVPV \*88.9 cm, P; adds /  
WI Oconto WOCO-FM 107.1, m.

## SCA (67 kHz) News

CA Bakersfield KHIS 96.5 adds SCA  
CA Riverside KLLU \*89.7 " "  
CA St. Helena KYVN 99.3 " "  
CA San Diego KXYX 96.5 " "  
CA Santa Paula KAAP-FM 96.7 " "

CO Vail KVMT 104.7 adds SCA  
CT Hartford WITC-FM 96.5 " "  
IL Carlville W1B1 \*91.1 remove SCA listing (telemetry only)  
IL De Kalb WLBK-FM 92.5 adds SCA  
IL La Salle WLPO-FM 99.3 " "  
IA Clarion KRIT 96.9 " "  
KY Lexington WBKY \*91.3 drop SCA listing; no SCA heard [SCA heard  
KY Lexington WKQQ 98.1 drop listing; no /  
LA Lake Charles KLCL-FM 99.5 adds SCA  
MA Orleans WMLC-FM 104.7 " "  
MI Ann Arbor WUOM \*91.7 telemetry only; drop SCA listing  
MI Detroit WLOM 95.5 adds SCA  
MS Jackson WKXI 94.7 talk (MS News Net.)  
MS Vicksburg WKYV 106.7 adds SCA  
MT Port Jervis WDLG-FM 96.7 " "  
NC Bridgeton WSFL 106.5, \$, " "  
PA Braddock WLOA-FM 96.9 no SCA heard; remove listing as an SCA station  
PA Philadelphia WXPX \*88.9 adds SCA  
SC WLTR \*91.3 Columbia, WEPB \*90.1 Greenville, WVPR \*88.9 Rock Hill, all talking book; & cr, P (NPR network).  
TN Nashville WPLN \*90.3 talking book  
TX Denton KDNT-FM 106.1 adds SCA  
WA Seattle K1X1-FM 95.7 " "  
WI Mauston WRJC-FM 92.1 " " ON AIR,  
PR Carolina WOLA 107.7 " \*91400 h,v;  
PR San German WRPC 95.1 " \*390\$,mk

## Deletions

IN Indianapolis WIFE-FM 107.9  
NE Omaha KEFM 96.1  
NV Lovelock K261AG 100.1 (K249AD 97.7 Inlay adds directional output to serve the Lovelock area). Interim applicants file to serve KEFM, WIFE-FM's areas, but facilities are now silent and open for DXing!

## Dual-City Identifications

VA Manassas WEZR 106.7 adds Fairfax VA

## Format/Network Changes

AR Little Rock KLAZ 98.5 progressive r  
CT Waterbury WNYZ 92.5 r (from m)  
DE Rehoboth Beach WLBR 92.7 r (was m); \$  
FL Apopka WTLN-FM 95.3 g (from gs)  
FL Mt. Dora-Orlando WORJ 107.7 p-rock  
FL Winter Park WPRK \*91.5 p-rock  
IL Mt. Vernon W1IX-FM 94.1 r [ , 1)  
IN Ft. Wayne WCNX 101.7 soul, B (was gk /  
IN Evansville WVHI 105.3 gk  
IN Indianapolis WIFMS 95.5 k (from m)  
IN Logansport W5AL-FM 102.3 r (from mk)  
IN Rensselaer WJCK 97.7 m (from mc)  
KS Hutchinson KSKU 102.1 r (from m); has a music SCA [Muzak SCA  
KS Wichita KF01-FM 101.3 p rock; some k / \*KARD 107.3 delete i; farm SCA  
KY Elizabethtown WQXE 100.1 m (was r)  
KY Madisonville WFMW-FM 93.9 m (" m)  
MI Grand Rapids WLAW-FM 96.9 p-rck  
MI Munising WQXO 98.3 m (from mk)  
MI Potoskey WMBN-FM 96.7 k (from m)

MI Sault Ste. Marie WSMH 99.5 r (was kr)	NY Poughkeepsie WPDH 101.5 rock (was k)	FL Arcadia 98.3 WKD
MI Zeeland WZND 99.3 qk; Stereo	OK Oklahoma City KOFM 104.1 delete ABC-FM	FL Ocala 92.7 WMFQ
MO Rolla KCLU-FM 94.3 Mutual	OK Tulsa KCFO 98.5 qc	GA La Grange 104.1 WWCW (WLAG-FM)
NY Elmira WLWY 94.3 r; was middle of road	RI Providence WBRU 95.5 progressive rock	ID Nampa 96.9 KIUZ
NY Lake Ronkonoma WSHR *91.9 rock	SC St. George WPWR 107.5 k (from rs)	IL Chicago *88.9 WIUU (IL Inst. of Tech., but applies for different calls)
NY New York WPLJ 95.5 rp	TN Memphis WZXR 102.7 k (from m)	IL Effingham 95.7 WCRC (WCRA-FM) adds SCA
WFIX-FM 101.9 rock and soul	TN Nashville WRVU *91.1 p and r	KY Louisville *90.5 WUOL; SCA granted
NY Oneonta WSRK 103.6 rock (from gospel)	UT Ogden KDAB 101.1 rock; Stereo	LA Mansfield 92.7 KJVC
NY Patchogue WBLI 106.1 r (from rm)	VA Richmond WTVR-FM 98.1 m (from k)	LA Opelousas 107.1 KOGM (KSLO-FM)
NC Eden WRRB 100.1 country	WV Beckley WVPB *91.7 k ((was m)	MA West Barnstable *91.1 WKLL
NC Fayetteville WQSM 98.1 AP Audio [Audio	Ont. Sault Ste. Marie CKCY-FM 104.3 k /	MI Boyne City 93.5 WCLX
NC Greensboro WQMG 97.1 no Mutual; UPI /	<b>Call Letters Assigned</b>	MI Escanaba 97.1 WKZY; adds SCA
NC Lumberton WJSK 102.3 k (from m)	CA Camarillo-Oxnard 95.9 KGAB (from KEWE; format to all-talk?)	MN Fairmont 106.5 KSUM-FM
NC Thomasville WTNC-FM 98.3 m (from k)	CA Oceanside 102.1 KJFM (KUDE-FM)	NV Battle Mountain *88.1 KLME
OH Springfield WBLY-FM 102.9 Mutual	CA San Jose *89.3 KLEL	NY Buffalo *94.5 WNEC-FM (was WREZ)
OH Wilmington WDHK 102.3 Mutual	CO Canon City 103.9 KSTX (from KRLN-FM)	NC Burgaw 99.9 WPCJ (WVBS) m; not rm
OH Yellow Springs WYSO *91.5 pc		NC Greensboro *90.5 WNAA

**CONTRIBUTORS, August column:** Frank Aven, Jr., Bend OR; Norman R. Alpert, WHOM 94.9 Portland ME; Robert Baker, Humboldt IA; Tom Cornell, Kokomo IN; Mike Dalton, Clearwater FL (who also relayed a report of Earle Lyons, Belleair Bluffs FL); William O. Dickerman, Williamsport PA; Mike Dorner, Jr., Metairie LA; John Ebeling, Bloomington MN; Joseph Fela, South Plainfield NJ; Jon Frank, chief engineer WCOB 106.1 Hyannis MA; Paul L. Gaines, Detroit MI; William Grant, Worcester MA; David Grim, Akron OH; Harry J. Hayes, Gouldsboro PA; Joel Hermann, Cedar Rapids IA; Clarke W. Ingram, Pittsburgh PA; Edward H. Isotalo, Appleton WI; Clint McAuliffe, Greeley CO; Rod O'Connor, Southwest Harbor ME; Andy Smith, Harrisburg PA. **Contributors, September column:** Aden; Cornell; Dickerman; Dorner; Robert E. Fischer, Fairbanks AK; Ted Fleischer, Louisville KY; Alan Hobson, Vanier, Ont.; Jack Lattenmann, Phoenix AZ; Nick Lombardi, Atlanta GA; Eldon S. Luoma, Surrey, B. C.; Joseph A. Markewicz, Hornell Heights, Ont.; O'Connor; Allen Rockford, Syracuse NY; Ken Simon, West Palm Beach FL; Smith; Ralph Strobel, Muncie IN; Tony Ward, Guelph, Ont.; Paul Wardell, Portland OR; Steven C. Wiseblood, Santa Maria CA.

**Contributors this month:** Fred Ba'teman, Okanogan WA; Dexter Bennett, Beaver Dam WI (who was nice enough to send a newspaper supplement devoted to WXRQ 95.3 Beaver Dam's new stereo automated country music); Philip Boersma, Spring Lake MI; J. Alex Bowab, WXXI 94.7 Jackson MS (who says: "We have not had a DX report in I-can't-remember-when. . . plan to increase height, drop e.r.p. and go circular polarization."); Dick Clark, El Paso TX; Tom Cornell, Kokomo IN; Dave Cox, Birmingham AL; Cliff Denney, KNIS and associated translators, Carson City NV; George Derringer, Newburgh NY (WPDH 101.5 Poughkeepsie NY, he reports, recently went rock; "The tower is located about 4 miles from my QTH and is atop Mt. Zion in Marlboro NY. WPDH is a real pest here."); Also reporting: Ebeling; Albert H. Ellis, Brantford, Ont.; Doug Everett, Etid OK; Eric Fader, Bay-side NY; Fleischer; Walter R. Garrett, Augusta GA; John Guiney, South Royalston MA; Hayes; Mark L. Lewis, legal branch, CRIC, Ottawa, Ont.; Lyons; Joel T. Margeson, Avoca NY; David J. Nelson, Chapel Hill NC; Eric Norberg, Portland OR; John Phillips, Pleasanton CA (who sent a highly interesting tape of KZEL 96.1 Eugene OR programming--recorded while traveling in the KZEL area; I note KZEL gives its proper i.d. every time the announcer speaks, after 2-3 cuts); Allen Rockford, Syracuse NY; Larry Waggoner, Wichita KS; Larry Weil, East Rockaway NY; Robert Zert; Huntington IN. Also many thanks to the several people at the WTFDA convention who looked over the FM station computer list and made corrections. Also this mo.: Fischer.

#### Members' News and FCC-FM Industry News

KEYN 103.7 Wichita KS is having trouble with the FAA on their proposed power increase. They'll grant the airspace approval for the increased tower height but are protesting the power. "It could mean a new, tough policy by the FAA on all FM increases. They are worried about interference to airborne electronics." WNTQ 93.1 Syracuse NY gives its calls now (not just "FM 93Q") at almost every break.

Getting back to progressive rock (VUD July, 1976, p. 14), one writer says: "I have followed FM progressive-free form, etc. radio since its inception in 1967 with KMPX in San Francisco up to the present and, indeed, there are very few good and tasty FM rockers around any more. The Bay Area with its saturated FM band, including ARB top-ranked stations KSAN and easy-rock KCBS-FM cannot compare with my favorite, KINK 101.9 in Portland OR. If you have ever heard this one, I think you might even agree." Portland-area DXers are invited to respond to this, with particular attention to the following report from a different West Coast reader: "I've got to protest the slam on page 9 [of the new FM Atlas] about AM radio not being a high fidelity medium. This is just not true. AM is as capable of transmitting the audio frequency spectrum as FM, and in fact can do a better job of reproducing extreme lows (due to greater transmitter stability) and extreme highs (because there is no preemphasis to require extra clipping or compression). AM receivers generally are not made to reproduce this, but they can be (and probably would be if AM stereo were authorized, since stereo material would be in the sidebands, where the highs are). KEX (AM) Portland OR transmits 20-15,000 hz flat  $\pm$  1 db, with distortion under 1%, and could go up to 20,000 hz (transmitter is flat to there) if we weren't limited by the 15 kHz phoneline to the transmitter. . . In A-B check with a Miller Crystal Tuner at home, I find that KEX has higher fidelity than ANY FM station receivable in Portland. Admittedly, most people cannot hear this

because of poor receiver technology, but it is not a limitation of the medium. Despite my interest in FM, you have done AM an injustice by this inaccurate statement, in my opinion." I'd doubt that any of his statements regarding AM's fidelity are true, especially in the United States where all AM stations are restricted in their bandwidth by FCC rules, with further restrictions in dynamic range dictated by the economics of the medium (although many FM stations now limit their signals heavily, resulting in modulation at or near 100% virtually all the time). I know George McKay puts out a very good AM receiver, claiming to receive as good fidelity as an AM station can put out; yet I doubt that it would ever receive with the sound quality that even the cheapest FM-bookshelf speaker system would do, comparing the nation's cleanest and best AM station with the "average" FM station. Or am I hopelessly prejudiced? Send in your responses to this, noting any documentation, especially, that might help to settle it one way or the other. ON with changes: Altocna PA WVAM-FM 100.1 3000 h,v; 17'

Two Florida listeners have been trying without success to hear a Florida construction permit -WEEJ 100.1 Port Charlotte. WEEJ apparently has been hanging onto its c.p. and not operated in the last two years. WFYN 92.5 Key West has a rather poor signal even along the keys, while WXOS 100.3 in Plantation Key has a very potent signal audible over most of the keys. WSWN-FM 93.5 in Belle Glade FL has a poor signal to the NW; lots of interference on the frequency. But when in Belle Glade, all announcements and commercials were noted to be down 20 db from the music level—"volume had to really be turned up to hear audio—then programming would blast you out of the car—strange station!" ON AIR AND DX READY: MI Adrian WABJ-FM 95.3 3000 h,v; 300'; WTTX-FM 107.1 Appomattox VA 3000; 300'

Word from Canada has it that the CRTC is examining the various uses of FM subcarriers. Canadian authorities have always considered SCA or SCMO to be a form of broadcasting, which is different from the position of the FCC, which considers SCA to be private point-to-point communication. I believe it would be nice if the FCC did consider SCA to be broadcasting, with more SCA sets in the hands of the general public. So what if MN Public Radio would have to be more careful in their audio pornography readings for the blind or if the PRN became more cautious in giving news to doctors that the patients might also hear? A greater gain would accrue when stations could do broadcasting on two channels to a general audience, like WGCI 107.5 Chicago does with ethnic on SCA. WWYZ 92.5 Waterbury-Hartford CT, now rock, mis-id's as "YZ."

Errors in the new FM Atlas are pointed out by John Guiney, who notes that 100.5 New Britain CT is not WRCQ but WRCH (m; not rock, too), and John Ebeling, who notes that I failed to list the Muzak SCA of WLWL-FM 99.5 Minneapolis MN, and on p. 102 (103.7 MHz) I give the WWIB call letters for WEZW Wauwatosa-Milwaukee WI. Farm news heard about 11 pm on KXGR 96.7 Grand Rapids MN; not known if they have a real SCA, or just playing around. ON AIR: W. Chester OH WUHS-FM 89.9 10

"Used the Atlas a lot on the trip. . . Am still a bit baffled as my reception never seems to come close to the estimates and I usually do well until about halfway through the secondary coverage area. . . Nashville is the worst DX city I have ever visited for FM as the antennas are scattered all over the place and nowhere was I able to block out multiple images, etc. I even tried my sister's component system which is fairly nice and found some of the same troubles, so Nashville gets a lot of boos for me as a DX location," says one writer. ON AIR: Warminster PA WUSD-FM 89.3 10 watts.

From OK: KAEZ 107.7 Oklahoma City has never come on. KJAK 100.5 Oklahoma City has apparently been very low power, and at last report off the air entirely. It is not KJOK as given in this column erroneously in the July VUD, p. 14. "Your comments [in the Atlas] on foolishness of AM stereo have many supporters; you're right about public confusion on hi-fi/stereo." WVOK-FM 99.5 Birmingham AL heard testing with rock and "id" as "K-99." WAQT 94.1 Carrollton AL heard with a weak signal, but has applied for 100 kw. From border-town travels it was learned that the following stations are (or were) inactive: Mexicali, BC: XHFE 89.9, XHJC 91.5, XHMMF 92.3; Nogales, Son.: XHQT 102.7, XHNI 105.1. Chihuahua, Chih.: XHSU 106.1. A weak FM on 102.3 was heard outside of Nogales. . . sounded like "Radio Emisora." Probably parallel with an AM station in a different town. A link? A WA state reporter notes that CJAT-FM 106.7 Trail BC has quit stereo, now relaying CBU AM Vancouver fulltime. "They do not even identify themselves as CJAT-FM any more." I wonder if their call letters have changed, and if they ever give legal id's.

From Indiana, comment regarding WFMS 95.5 Indianapolis going country (from middle of the road music): "WFMS has never been a big financial success. Evidentially this switch to k is a desperate effort to get a meaningful audience. The new ownership apparently does not accept the kind of audience that the founder of the station considered successful." Before going off the air, WIFE-FM 107.9 changed to m (from k), apparently using old tapes they aired years ago under their old format in order to save money at the very end. A channel switch is proposed in IA-MO, with the FCC about to add 95.3 to Red Oak IA, and force KNIM-FM Maryville MO from 95.3 to 99.3. <sup>7/2</sup>



# NORTHERN FM-DX

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

October 1976

A good mixture of Tropo and Es openings was observed by most DXers during the month of August. Limited MS DX was noted. Es openings were on August 2, 6, 19, 21, & 22. Excellent longhaul Tropo was noted on August 20, 21, & 22 in the Northeast.

Michael Hogan - 9224 Cottage Grove Ave. - Highland, IN 46322

Just started DXing with a stereo-probe 9 FM antenna as of 8/18/76 and at this new location on 9/1/76. Log is now up to 6 states and 60 stations with 17 on the educational band. This new location is 5.6 miles south of my old location. The big difference in the locations is that this new location is at a higher elevation. Also, it was nice meeting those who attended our recent convention. Cards and letters are welcome from all members of the club at above address. Now to my loggings: (only my better catches included). (Good luck in your new location - fjn)

8/18 Tr 1100 KCKK 88.3 IA Cedar Rapids (230) | 8/27 Tr 0757 WWSW 97.5 IL Champaign (125)  
8/23 Tr 2018 WMBD 93.3 IL Peoria (130) | 9/6 GW 0005 WIAN 90.1 IN Indianapolis (159)

Correction from last month's report: WDW is 92.1, not 97.9 as I had inadvertently reported.

Frank Wheeler - 6589 Wattsburg Road - Erie, PA 16502 (New underlined)

Equipment: Panasonic table model RE-7329 AM/FM RX, Archer VU160 UHF/VHF/FM Ant, w/retor.

8/18 0804 WHEC 94.1 OH Canton (113) | 8/20 0831 WEPG 98.7 MI Detroit (154)  
0831 WTOP 98.1 OH Canton (113) | 0900 WQPR 107.5 MI "  
0857 WDBW 94.9 OH Medina (113) | 8/25 0133 WHEH 92.5 MI Toledo (185)  
1130 WWRW 94.5 OH Pt. Clinton (154) | 0141 WNUZ 103.5 MI Detroit (154)  
1230 WPRO 99.1 OH Fremont (164) | 8/26 1300 WBEA 107.3 OH Elyria (111)

Totals now at 134 logged. 73s. (Hope you get some good Great Lakes tropo this fall - fjn)

Ralph Strobel - 2510 E. McCalliard Road - Muncie, IN 47303 (EST)

Eq: RX: AJ-1510 Ant: Wineguard Total logged: 569

6/27 Tr 0700 WAUP 88.1 OH Akron RX | 7/11 Tr 0400 WEZK 97.5 TN Knoxville M\$  
0800 WIDR 89.1 MI Kalamazoo R\$ | 7/12 Tr 0245 WPEZ 94.5 PA Pittsburgh R mono  
0930 WPAD 96.9 KY Paducah R\$ | 0300 WDVV 102.5 PA " R\$  
1000 WVMR 89.1 VA Roanoke | 0400 WJOI 93.7 PA " M\$  
1030 WLQA 96.9 PA Braddock M\$ | 0400 WTAE 96.1 PA " R mono  
1100 WCIR 103.7 WV Beckley M | 0442 WMSU 106.9 MI Muskegon R\$  
1100 WBNW 99.5 WV " G\$ | 7/15 Es 1230 KLOH 98.7 MN Pipestone  
1157 WKLC 105.1 WV St. Albans M\$ | 1232 KKL5 93.9 SD Rapid City R\$  
Es 1210 WLQY 98.7 FL Ft. Pierce R\$ | 1235 KBHB 93.1 SD Sturgis M\$ o/WNAP  
1401 WAIV 96.9 FL Jacksonville R\$ | 1240 KWTR 93.7 SD Winner \$  
Tr 2230 WNVV 98.7 WV Wheeling K | Tr 1600 WVGR 104.1 MI Grand Rapids C\$  
2300 WTRF 107.5 WV " M\$ | 1700 Unid 93.9 SS - mono  
2305 WOKI 100.3 TN Oak Ridge R\$ | 7/16 Tr 1813 WXIL 95.1 WV Parkersburg R\$  
6/28 Tr 1330 WETS 89.5 TN Johnson C. C\$ | 7/17 Tr 2252 WVPB 91.7 WV Beckley \$  
1330 WPGH 90.7 WV Ft. Gay K mono | 7/20 Tr 1140 WWRW 94.5 OH Pt. Clinton \$  
6/30 Tr 2218 WJML 98.7 MI Petosky | 1745 WQFD 91.1 WI Kenosha \$ (6am-6pm)  
7/1 Tr 1900 WSMC 90.7 TN Collegedale | 7/21 Tr 0155 KFUP 99.1 MI Kitchener C\$  
7/2 Tr 1000 WKZN 96.9 IL Zion | 1800 WPRO 99.1 OH Fremont M\$  
1030 WDLB 106.5 WI Marshfield | 7/22 Tr 0850 WQED 89.3 PA Pittsburgh C\$  
7/3 Tr 1104 WLBK 92.5 IL Dekalb | 0200 CFCA 105.3 ON Kitchener K\$  
2245 WJBI 91.1 IL Carlinville G | 7/26 Tr 0330 KRNQ 102.5 IA Des Moines R\$  
7/10 Tr 0536 WYOW 101.9 WV Logan Mono | 0357 WEAU 104.5 WI Eau Claire K mono  
8/2 Tr 0500 WERB 102.7 MI Mt Clemens | 7/31 Tr 0430 WDRH 92.1 KY Pikeville K\$  
8/5 Tr 0455 WHOT 101.1 OH Youngstown R\$ | 0808 CKFC 92.1 ON Brantford M\$  
1100 WHOT 89.5 TN Murfreesboro\$ | 8/1 Tr 2230 WSOH 105.1 OH Salem M\$  
8/9 Tr 0545 WBES 96.1 WV Charleston M\$ | 2300 WJVM 94.3 IL Sterling R\$  
0445 WNWK 97.3 WV Wheeling M\$ | 8/2 Tr 0400 WRGT 106.5 WV Clarkesburg R

Mostly good tropo in early morning this summer. (Thanks for the report, Ralph - fjn)

Andy Bolin - 709 Lincoln Ave. - Charleston, IL 61920

7/1 Es 1000 S. FL MUF top | 7/4 Es 1615 ZEM 2FB Hamilton Bermuda (1380)  
1605 to 1620 WQDY & WRUM both ME | 7/9 Es 1900 to 1915 KSIX KZFM KIOU Corpus Christi  
7/4 Es 1600 Salt Lake City MUF KCXP | 7/11 Tr 0215 WSPA 98.9 SC Spartanburg \$EL

Andy Bolin report - continued.

- 7/13 Tr 0220 WRQK 98.7 NC Greensboro R\$ (470)  
0600 WWR 89.1 VA Roanoke strong \$
- 7/14 Es 1415 KSIX KIOU KDUV all S. TX
- 7/15 Es 1215 KPFM 89.3 ND Grand Forks \$  
1230 KEVA 88.5 ND Belcourt \$  
1245 KADQ 94.3 ID Rexburg \$ (1245)  
1312 KBLI 97.7 ID Blackfoot \$ (1270)  
1430 KUPL 99.1 ID Idaho Falls "kewpi"  
1730 to 1810 S. LA & S. TX MUF top
- 7/16 Es most MT at 0930.  
1055 KTEB 88.1 in strong \$ and 10w  
Rapid City SD (890)
- 1100 KPRR 92.9 ND Bismarck \$  
1107 KCGM 95.7 MT Soobey \$  
1120 KDDQ 92.9 ND Gr. Forks \$R"KDDQ"  
1138 KPWD 100.1 MT Plentywood  
1200 CKUA-FM2 99.3 AT Lethbridge(1390)  
1200 CKUA-FM3 97.3 AT Medic.Hat \$  
1205 KOLY 99.5 SD Moberidge  
1300 KOWA 95.1 MN Wottingham (4901)
- 7/18 Es 1700 to 1830 KMCR KDKB KBEC KOB KIFC  
KRST KPJH KBPM KDUV KSIX KZFM KIOU
- 7/19 Es 1100 to 1230 WPXI WFOY WJCT WJAX WGBB  
& other SC coast. After 1145 S.FL
- 7/20 Tr 0200 WZPR 100.3 PA Meadowl R mono  
7/21 Es 1030 KUFM 89.1 MT Missoula (1400)  
7/23 Es 1815 WRUM WQDY both ME  
7/24 Es 1400 KPJK KRDO KPFM all CO Springs  
7/25 Es 1515 KSIX KZFM KIOU KAUM KRLY  
1530 to 1600 KOYE KPJH KOYL many others
- 8/22 Es 1800 to 1830 S. TX MUF KIOU
- 8/23 Tr after 000 most Pittsburgh
- 7/26 Tr most Minneapolis-St. Paul MN stations
- If you're within range, you might try for WRJH 98.3 Camden TN. It has a super strong class A signal! At 265 miles it hits \$ every night. 73 -- Good DX, Andy.

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

Eq: RI - Pioneer SX-828 ANT - JFD-FM-10A w/rotor at 35' T-Tentative Reception

6/27 (Es continued from last report)

- 2108 KKDA 104.5T Dallas? soul "K-104"  
2110 WRR 101.1T Dallas? Cl mx  
2117 KTCC 104.9 Jonesboro LA R  
2127 KGRT 100.1 TX Henderson wx  
2146 KSNB 96.1 LA Lake Charles R  
2200 KVCL 92.1 LA Winnfield ID  
2201 KBIT 92.9 TX Wichita F. \$-92  
6/28 Es 2106 WQID 93.7 MS Biloxi R ID  
2119 WZEZ 92.9T Nashville? hrd city,  
Musicroadio 93 alogan
- 2128 WKTZ 96.1 FL Jax MoR Jones C.  
2142 WQYK 99.5T FL St. Pete? cw K99  
2150 WTHI 100.7 FL Ft. Laud. R Y-100  
2220 WJNO 97.9T FL Palm Bch? R
- 7/4 Es 1250 WAlA 97.3 FL Miami "A-1-A" MoR  
1305 WGYL 93.5 FL Vero Bch. ID  
1330 WTLN 95.3 FL Apopka relig.
- 7/6 Tr 0030 1st WPLJ off - WRDM WPGC there  
7/9 Tr 0100 to 0215 WPLJ off. WBRU 95.5 RI  
0030 WIFJ 92.5 PA Phila. also hrd  
on 89.9. new MPX?
- 7/15 Es 1740 to 1815 CBN-106.9T St. Johns?  
semi-cl mx, IL annr, no IDs hrd.
- 7/19 Es 1901 KPRR 92.9 ND mx/wx Y-93
- 8/2 Es 1730 KCIH 93.7 IA Carroll wx ID  
1825 WQID 93.7 MS Biloxi ads R  
1827 WKSJ 94.9 AL Mobile ID cw  
1841 WCIS 104.9 MS Moss Pt. 1st G  
8/3 Tr 2142 WWCC 94.3 NJ Avalon MoR ID  
2200 WLRB 92.7 DE Bethany Bch. R  
"Whalerb" alogan - I kid you not.
- 8/7 Tr 2125 WRVQ 94.5 VA Richmond very strg  
2134 WDLX 92.1 VA Chester G ID  
2140 WEMD 96.7 MD Easton R ID  
2200 WTRT 100.7 MD Westminster E-Z
- 8/20 Tr 2000 WUOM 91.7 MI Ann Arbor very strg  
2100 CKGL 96.7 ON Kitchener NX  
2130 WBBN 102.5 NY Buffalo R IDs  
2200 WWR 89.1 VA Roanoke prog R-jazz  
2208 WFFA 95.3 VA Petersburg cw IDs
- Some additional stuff being held to next time,  
including 8/22 Es opening MUF to 107.9. 73-Joe

Fred Nordquist - 7945 Boxford Road - Clay, NY 13041 (EDT)

Eq: RI - AJ-15 Ant - JFD LPL-FM10A at 45' AGL. New underlined. Totals now at 840.

- 8/20 Tr 1749 WWSK 106.7 PA Beaver Falls (270)  
GJ 1755 WWVZ 92.5 NY Rochester (ex-WBFB)  
Tr 1759 WESU 88.9 KY Richmond  
2000 WLLL 90.9 IL Urbana ID (645)  
2200 KONT 90.9 IA Cedar Falls (820)  
2207 WJMI 97.5 MI Lansing ID (425)
- 8/21 Tr 0820 WAUP 88.1 OH Akron jazz (295)  
0914 WECL 90.3 IN Ft Wayne talk (475)  
1017 WAJR 101.9 WV Morgantown R (315)
- 8/21 Tr 1037 WCLG 100.1 WV Morgantown  
1043 WRGT 106.5 WV Clarksburg (350)  
1110 WVCW 88.9 WV Buckhannon  
1116 KDKA 92.9 PA Pittsburgh (275)  
1128 WNUF 100.7 PA New Kensington
- 8/22 Tr 1328 thru 1730 Strong to Quebec  
1650 CBV 95.3 QE Quebec FFC Cl mx  
1715 CMRL 89.1 QE " FFC Drama  
at 350 miles.

# SOUTHERN FM-DX

DAVE COX  
2007-E Brandywine CT.  
Birmingham AL 35216

Deadline: the 10th

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

The month of August was a hot one down South, which I'm sure comes as a surprise to no one. August also brought with it an apparent drop in FM DX. But DX did not disappear completely as we get reports of a couple of Es openings and several tropo loggings.

And we have some more reports on DX activity during the early part of the summer, in addition to the current month's reports. It appears from these and previous reports that June 26-27 were the best dates for FM DX this summer.

Leslie Price, 115 Parkwood Dr., Wilmington, NC 28401 EDT

I heard the following FM DX and could not resist reporting them. Houston TX was Es and all others, including New York City were tropo.

## 3 June

1230 KPFT 90.1 Houston TX

## 14 June

0430 WWWS 97.1 New York "News 97"  
0435 WFBG 98.1 Altoona PA  
0435 WKEZ 95.7 Norfolk VA (WTAR-FM)  
0433 WTXI unknown (about what freq.  
Les? I find no WTXI-FM listed anywhere. Suggest this may have been  
WDIX 106.7 Orangeburg SC .. dsc)

## 15 June

0130 WTVR ch 6 Richmond VA  
0130 WJLY 92.1 Moyock NC  
0130 WFOG 92.9 Suffolk-Norfolk VA  
0140 WPWR 95.9 St. George SC  
0140 WNCN 107.7 Greenville NC  
0140 WSFL 106.5 New Bern NC  
0140 WXYI 106.1 Wilson NC (WVOT)  
0140 WXRI 105.3 Norfolk VA  
0145 WKQR 105.5 Jacksonville NC  
0145 WQMB 105.5 North Myrtle Beach SC  
0145 WQRK 104.5 Norfolk VA  
0150 WSOC 103.7 Charlotte NC  
0150 WQRK 104.5 Norfolk VA  
0155 WWIL 97.3 Wilmington NC  
0155 WVBS 99.9 Burgaw NC  
0200 WRAL 101.5 Raleigh NC  
0200 WYFD 96.1 Raleigh NC  
0200 WKEZ 95.7 Norfolk VA  
0200 WPXI 95.1 Charleston SC  
0200 WBT 107.9 Charlotte NC  
0205 WYWE 103 ?  
0215 WQMB 100.5 Norfolk VA  
0220 WXYI 93.5 Columbia SC  
0220 WSTS 96.5 Laurinburg NC  
0220 WWHM 102.1 Reidsville NC

## 16 June

0457 WEZR 106.7 Manassas VA

## 18 June

0520 WKTM 102.5 Charleston NC  
0520 WKSM 104.9 Tabor City NC  
0520 WPMX 105.7 Statesville NC  
0535 WOMB 97.7 Georgetown SC  
0535 WQBR 96.9 Goldsboro NC  
0535 WESC 92.5 Greenville SC  
0540 WLSE 94.3 Wallace NC  
0540 WIOZ 107.1 Southern Pines NC  
0540 WQDR 94.7 Raleigh NC  
0540 WDCG 105.1 Durham NC  
0600 WRRZ 107.1 Clinton NC  
0600 WEZC 104.7 Charlotte NC  
0605 WITN 93.3 Washington NC  
0610 WWRW 89.1 Roanoke VA  
0700 WUNC 91.5 Chapel Hill NC  
0700 WAFR 90.3 Durham NC  
0700 WEPR 90.1 Greenville NC  
0710 WFDD 88.5 Winston-Salem NC  
0740 WLTR 91.3 (Columbia SC ..dsc) with  
FCC equipment test; 100 kw

## 19 June

0115 WXTG 96.9 Charleston SC  
0115 WQMB 97.7 Georgetown SC  
0117 WSPA 98.9 Spartanburg SC  
0135 WAKG 103.3 Danville VA  
0140 WTQR 104.1 Winston-Salem NC  
0140 WFGC 94.1 Savannah GA  
0140 WSGF 95.5 Savannah GA  
0200 WRVQ 94.5 Richmond VA (WRVA)  
0200 WGLD 100 Greensboro NC  
0230 WMYK 93.7 Elizabeth City NC

## 20 June

0830 WSHA 88.9 Raleigh NC  
0840 WQTI 103.1 Dunn NC

(some good DX, Les. Thanks for the report and be sure to let us know how the rest of the summer went ..dsc)

Glenn Hauser, WUOT, Univ. of TN, 232 C&E Bldg., Knoxville, TN 37916 CST

I've been somewhat active here since erecting a Channel Master Super-Crossfire FM/VHF TV antenna on June 12. Best catches so far are the two BERMUDA FM stations (I've learned from Hank Holbrook that BERMUDA is always spelled in caps, hi). I am keeping log in CST, since propagation relates to time of day, and Knoxville would be on CST if people hadn't fooled around with the time zone boundaries.

12 June groundwave

1359 WLTR 91.3 SC Columbia ID amid tone test; new SCERN sta since 1 July, separately programmed from WEPR 90.1, WSCI 89.3 and WMPR 16 June Es

1525 WAFG 90.3 FL Ft Lauderdale "Guidelines for Servicemen", 1530 ID

161h-1618 unIDs from MA are 89.1 89.9 90.9 89.7 88.1 90.3 90.5

164h CKRL 89.1 PQ Quebec mx, 1655 guitar mx w/French sing, 1658 Fr ID faded except for "...virgule um", ch. 4 Quebec in same time

1755 WPCR 88.5 MA Amherst Spanish about Chelumbba school, first thought Cuba, but 180h PR mx, consumer tips, peaking NE!

21 June Es

1519 ZBM-89.1 BERMUDA Hamilton music segues from east; 1525 ad for Trimmingham's Swim Dresser branch shops; "Hit Parade" ID; 1529 full "FM ZBM 89" ID by usual America-accented HP announcer, but did say "Zed"; 1539 "Wx for Bermuda" capsule, ad for flight to Europe, mosquito repellent

1525 KACV 89.9 TX Amarillo (?) mx from west; area in on ch 3, 4; 153h stereo

26 June Es

1218 KZPM 95.5 TX Corpus Christi local Pepsi Challenge ad, ID, 1:19 time check

1223 KRBE 104.1 TX Houston hard ID, A&Wad

1223 KBFM 104.1 TX Edinburg CCI Sonic ad, San Benito or Brownsville

1236 KSIX-? 93.9 TX Corpus; lofi EL tape

1236 KUHF ? 88.7 TX Houston jazz vocal

2112-2115 unIDs NY/MA area 90.9 88.7 88.1

27 June Es

1703 WAFG 90.3 FL Ft. Laud joining tinny Mutual for Billy Graham; 1129 excellenter audio from Luth. Hour transcription; 1200 ad for Bible; send \$35 to WAFG!!!! illegal

1709 WLRN 91.3 FL Miami States of Union

1111 unID 91.7 probably south FL

1113 WPRK 91.5 FL Winter Park cl; 1117 ID & as "Rollins Radio", PSA, more classical

1138 WMCU 89.7 FL Miami gospel, live DW, 1:30 time, 1142 ment Miami Christian Coll.

1727 WPCR 88.5 MA Amherst Voices in Wind;

1729 amnt that regular ancr away at WOBH 1731-1755 MA unIDs 88.3 89.3 89.5 90.1 89.1 89.9 88.1 88.7

1730 WOBH 89.7 MA Boston "Wash Week"; out late at 1801 ID, plug Sinatra salute

(welcome to the southeast, Glenn; TN is a beautiful state, from what I've seen and heard .. dsc)

(more 27 June Es)

1745 WRPI 91.5 NY Troy area events sked

1758 W---? 91.7 seemed to ID as in Norwich

1800 WZBC 90.3 MA Newton ID

28 June Es

2008 ZBM-89.1 BERMUDA Hamilton \$, wx, time in ADT (GMT -3h), 2025 Tea Party PSA, HP ID, ZBM-89, time as 11:27, 2047 out, 2053 back

with repeat of Tea Party PSA w/ID, ad for savings so can travel to more exotic place, 2054 11:56 TC, 2100 ID, local news incl.

beachboy heater, then fade out

2027 ZFB-94.8 BERMUDA Hamilton strong enuf to get past WOPM-94.90 if amp off! Measured here, not 94.9 or 95.0! Rock, 2028 ID, Bermuda safety PSA, 2038 plug Del King syndie

2108 (groundwave) WMRK 89.7 SC Columbia ET ANMT; Columbia Bible College; WMBW off

2113 Es 89.3 net nx re Canadian air strike

2126 88.3 cl; 2127 plug Opera Night/Ken Owens

2136 WHSA 89.9 WI Brule? lofi mayor 1/v

2139 KSJN 91.1 MN St. Paul cl; 2139 // 91.7

2140 KSJR 90.1 MN Collegedale // 91.1 91.7;

2206 Minn PR dun; 91.7 Grand Rapids or Pipe-stones?

2145 KFPM 89.3 ND Grand Forks Starlite Conc.

2146 WHLA 90.3 WI Holmen nx by woman, // 91.3

2147 KQRS 92.5 MN Golden Valley Minneapolis ad

2150 WERN 88.7 WI Madison nx // 90.3 91.3

2150 WHWG 88.3 WI Colfax // 90.3 91.3

2151 KUNI 90.9 IA Cedar Falls jazz; 2157 nx

heads; 2200 IA wx, lo key ancr; \$ KUNI ID at 2201

2159 WHHI 91.3 WI Highland W.E.R.N. s/off

some stns, others stay on

2203 KESD 88.3 SD Brookings AP nx; 2205 rock

no ID but DJ; 2230 Brookings wx

11 July Es

0855 WMCU 89.7 FL Miami hymn; TV Es there

0855 WAFG 90.3 FL Ft Laud OM River; 0859 ID

0903 WLRN 91.3 FL Miami String-Line begin

11 July Es

1602 ? 89.7 NASA Space note in Mutual nx;

fade before 1605; Cuba/Yucatan on TV

I'm music director at WUOT; will be happy to

receive reports for QSL. Some distances:

BERMUDA 1120 miles; Quebec 990; Grand Forks

1060; get traces of GW daily from WSCI 89.3

WFLN 90.3 WWWR 89.1 and pay little attention

to the disgusting sameness of the commercial

band stations! Rx is TX-9100.

73, Glenn

Ken Simon, 528 Pilgrim Rd., West Palm Beach, FL 33405 EDT

21 August Es	22 August Es
0950 unID ch 6 NBC Pink Panther	1907 WMBI 90.1 Chicago IL wx, id r
0952 WSEI 88.7 Edwardsville IL r	1910 WERN 88.7 Madison WI nx, id r
WERN 88.7 Madison WI WI Ed Net N	1915 WHHI 91.3 Highland WI //WERN, WHHI N
1003 WOI 90.1 Ames IA \$ local nx r	WPNE 89.3 Green Bay WI //WERN, WHHI r
1010 WNIU 89.5 DeKalb IL id r	1920 WBKV 92.7 West Bend WI addid N
1011 unID 95.5 mor over WOVV	1930 WNAF 93.1 Indianapolis IN id & QRM-WTMI N
1020 unID 93.1 'pro basketball show' over WTMI (92.9?)	1935 WIFC 95.5 Wausau WI "truckin stereo 95"; QRM-WTMI NT
1030 unID 91.- NPR with folk music, "Public Radio 91"	1945 unID 91+ NPR w/ I'm sorry I'll say that again
1055 KICV 90.5 Maryville MO id r	
1100 KUNI 90.9 Cedar Rapids IA tent ID as --NI NT	73s, Ken

Hank Holbrook, 7211 Chestnut St., Chevy Chase, MD 20015 EDT

DXing from our cottage at Fair Haven Cliffs, MD overlooking the Herring and Chesapeake Bays 15 miles below Annapolis, MD. Receiver is Scott 310E tuner with Blonder-Tongue FM booster. Antenna is Finco 10 element single bay FM yagi on CDE AR33 rotor. The antenna is about 110 ft. above the water as our cottage is situated near the top of a hill overlooking most of the dwellings in the area. Was here on vacation from 8/7 to 8/23 and squeezed in some respectable DX. Underlined have already QSLed.

8 Aug 1518-1603	<u>WCRH</u>	90.5 Williamsport MD trop/100mi. Gospel music. Letter verie - 7.5 kw. New station heard daily here.
12 Aug 0720-0810	WAER	88.3 Syracuse NY trop/300mi. Rock and a number of public service announcements. Have been trying for this station for many years! WAMU 88.5 off w/xmtr trouble which helped, plus fantastic rx conditions
13 Aug 0543-0547	<u>WACM</u>	103.1 FreeLand PA trop/160mi. Covered by WCUL carrier at 0547. Brief report but plenty of ads for good report. Letter verie - listed as h10w, country music 24 hours a day. "Surprised and pleased" to receive my report.
14 Aug 0744-0922	WMPR	88.1 Sumter SC trop/405mi. Poor to fairly good. Also heard on 8/15. Do not usually hear south at this location on trop. Only 2nd SC stn. Classical music. Letter verie-100kw
21 Aug 0712-0738	<u>WIFM</u>	102.9 Sharon PA trop/240mi. Rock and plenty of ads. Western PA reception rare here. Letter verie- 26kw horiz. & 7.1kw vert.
	1101-1121	WJOI 93.7 Pittsburg PA trop/215mi. Poor report. very heavy WSTW QRM. MOR, wx and ID.
22 Aug 1050-1138	WVPW	88.9 Buckhannon West Vir. trop/190mi. exWVWC. Sold to W Va Ed. Broadcasting Authority. Heard with SUNDAY CONCERT. Classical. Checked them for 10 days. Seldom noted. Heavy WXPW QRM. Old WVWC often heard. Either WXPW more pwr, WVPW less pwr or reception conditions
	2157-2230	WAKG 103.3 Danville VA trop/225mi. MOR. Announcement said they'd be off the air 8/23 0830-2100 for antenna maintenance. I told them nothing wrong with their antenna, their signal just great!
23 Aug 1231-0112	WIOK	98.3 Hempstead NY trop/210 mi. MOR and public service announcement plus ID. exWHLI

Veries from 773 FM stations in 35 states and from Nova Scotia, Quebec, Ontario, Manitoba plus Bermuda, Cuba and Puerto Rico. Veries received in August (excluding those above) Letters from KROZ Tx. 92.1 3kw; GJCB N.S. 94.9 only 675w; WCKW La. 92.3 55kw; WBBA Ill. 97.7 3kw (mine is their most distant FM report); WKEZ Va. 95.7 40kw; KAKM Tx. 92.5 99kw.(card); also received letter from WFYM Fla. 92.5. 73 and best of DX - Hank

My thanks to all who reported this month and also to Clarke Ingram who forwarded a couple of the reports on to me. Hank Holbrook sent reports covering his DX for the past several months. At Hank's suggestion, these older reports will be presented in next few months as time and space permit. Thanks, Hank.

Til next month, when hopefully we'll hear from you, best of DX, *Dave*



# VHF UTILITY DX

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

OCTOBER 1976

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

<u>5-31</u>	1904, N8029N	128.7	ov Salisbury, MD (Richard E. Gorkes; Piper Cherokee 140; 1-engine, 2-seat; 10 watts)
<u>6-5</u>	1305, N77CB	127.2	ov Greenbelt, MD (Flight Watch, Inc.; Beechcraft Bonanza; 8500 feet)
	1547, G-BOAA	126.1	vic Dulles Apt (British Airways Concorde; 25w)
	1554, N84828	126.0	10 mi se Wilmington, DE (North Jersey Aero Co.; Cessna 172; 1-e, 4-s; student solo flight)
<u>6</u>	0021, N555RM	119.7	s of Ches. Bay Br (Ronald E. Marsh; Cessna 310)
<u>15</u>	2050, N232R	133.9	ov L.I., NY (Dart Industries, Inc.; Lear 24, 2-engine, 8-seat; 31,000 feet)
<u>27</u>	0132, LVLGP	130.85	vic NY (Argentine Airlines; 707; NY-Miami)
	2342, KIF 844	42.42	Lawrenceburg, TN (state police)
	----, KIE 964	42.42	Signal Mountain, TN (state police; 350 w)
<u>7-31</u>	2003, N6837A	133.5	20 mi e Lancaster, PA (American Airlines flt 672; 727; 25 watts)
	2004, N6819A	133.5	ov Trenton, NJ (American 148; 727; 25 watts)
<u>5</u>	1548, WY-9430	156.525	1 mi e Columbia Beach (Noble Princess, Yacht, Owens Express Cruiser; 5 watts)
	1731, N81HD	119.7	ov Annapolis (Austin Armacost, Jr.; Cessna 182)
----	----, N4643J	119.7	e of Ches. Br. (Herbert Electric Company; Piper PA28-180 Cherokee Arrow; 1-e, 4-s; 10 w)

Martin J. Theil, 12 Princeton Dr. E., Holiday, FL 33589 (934-5843)  
Bearcat 101 with rod antenna; loggings for August 1976

KQI 316	33.90	Cincinnati, OH	KLI 364	150.905	Tampa (auto club)
KSA 994	39.50	Pekin, IL	KII 218	155.37	Pinellas, FL
KSO 592	37.10	DC (local govt)	KUZ 385	161.80	Tampa, (USCG)
KGA 361	33.86	Dist. Hts., MD	KAC 551	154.815	Tampa (helic.)
KCA 695	33.78	Manchester, NH	KSB 236	39.50	Effingham, IL
KGC 676	33.80	Hagerstown, MD	KSB 352	39.50	Morris, IL
KSB 269	39.50	Watseka, IL	KRC 613	33.94	Hudson, FL
KIA 680	33.94	Brooksville, FL	KIA 653	154.43	Tampa (fire)
KXA 312	33.94	Spg Hill, FL	-	162.4	St. Pete. (wx)
KCG 344	33.94	Hanover, PA	KDR 254	154.280	Clearwater (fire)
KDP 419	156.03	Dunedin, FL	-	152.69	Tampa (mo. phone)

skip dropped off the last 2 weeks of August. Would still like to hear from other members with the Bearcat 101 regarding programming it. I have freq info for members on request for portions of DE, MD, IA, KS, NJ, MO, PA, NY, MI, OH

Dave Cox, 2007 E. Brandywine Ct., Birmingham, AL 35216

sent along a clipping from the Sep 6 Birmingham News that details getting the Alabama network of 162.55 MHz weather stations on - delays in the delivery of coax cable have caused the planned start in September to be put off until probably early October. Current stations on in Hunstville and Mobile will be joined by Birmingham, Andalusia, Dothan, Montgomery, Tuscaloosa, Russellville, and Cheaha Mountain.

-----  
Solar activity continues to be on the low side. While several Cycle 21 regions have been crossing the disk, none of them has been very large, complex, or long-lived. The Swiss are still predicting a smoothed count for this December of 4. The last minimum (fall of 1964) hit bottom with about a 9. Thus, F2 prospects for VHF this fall now appear to be the worst since the period between Cycles 18 and 19 (i.e., 1954).

Now, my loggings. Hammarlund SP-600-JX-10, Hallicrafters SX-62, Allied A-2586; two 30' wires at 12' (ne-sw, nw-se runs). New are underlined. Es unless noted; \* F2, bs-backscatter; GMT used

<u>8-11</u>	2052, KAA 893	35.22	St. Louis, MO (tone pager)
<u>14</u>	2039, KPL 936	35.58	(west) (tone pager)
<u>16</u>	2105, 32.000 *		
<u>17</u>	2305, L Ang-a	35.38	Los Angeles, CA (mobile phone)
	S Diego-a	35.38	San Diego, CA (mobile phone)
<u>18</u>	2000, KME 438	35.22	Orange, CA (tone pager)
<u>23</u>	0742, KOE 257	35.22	Phoenix, AZ (tone pager)
	2110, KPL 880	35.22	Greenville, SC (tone pager)
	35.22 *		
<u>24</u>	2000, 32.000 *		
<u>26</u>	2120, 32.000 *		
<u>27</u>	2020, 32.000 *		
<u>28</u>	2130, 32.000 *		
		<u>30</u>	2215, 32.000 *
		<u>9-2</u>	1950, 32.000 *
		<u>9</u>	2320, 35.58 * bs
		<u>10</u>	2025, 35.62 * bs

addenda (from prior month)

<u>7-12</u>	1510, KKL 437	33.70	Gretna, LA (county fire)
	1702, KAD 756	37.10	Waterloo, IA (county police)
	1708, KAD 821	37.10	Cherokee, IA (county police)
	KAB 223	37.10	Newton, IA (police)
	1711, KAD 505	37.10	Garner, IA (county police)
<u>16</u>	1909, KSA 877	39.46	Princeton, IL (county police)
<u>17</u>	0712, KAA 979	37.10	Oskaloosa, IA (police)
<u>29</u>	1749, "OZN"	109.8	St. George, UT (VOR, A2 code ID)

the VOR was logged with an Allied 426 FM set and Archer V-100 @ 20'

I now have on hand a recent computer print-out of nearly 1100 VOR's sorted by freqs and alphabetically by idents. I would suggest that those with good equipment for that range (108-118) consider trying to catch some during the upcoming winter meteor showers. The ID's come about every 15 seconds or so.

While attending the Central States VHF Society Conference (an amateur radio group) in Houston Aug 19-22, I took along my A-2586 and little Jet-Stream mini receivers. The most obvious thing in Houston on 30-50 is that they have pagers on 35.22/.58/.62 and you'd never know from that racket if the skip was in there or not.

The various r.f. fields (at least in the Astroworld area) are so intense that the 108-136 receiver was a mass of FM broadcast spurious responses. I didn't take my hi-band VHF/FM set, and it would have been probably similarly messed up.

For sometime now there has been a sort of local pager on 35.22, with a fast A2 code ID, KUC 915. It is apparently the hybrid type which uses tones and voice messages - a tone burst, followed by a voice (with a telephone audio quality) directing the message. So far, this has been active a total of only a few minutes an hour so no great harm to the DX use yet.

In the submission of reports for this column, I really prefer that a date and time (even if only approximate) be included with the loggings along with call if known, freq (again, may be apx), and location. This is particularly desired with the DX (i.e., skip) loggings. Then other DXers (even those who never report) have something to compare with. As some already know, I do edit out things from time to time.

73, Pat  
WA5IYX

# TV CCI

## UNIDENTIFIED TV-DX

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

OCTOBER 1976

Bill Thompson, 1907 Seneca St., Buffalo NY 14210 (1976 unids)

Mon Jun 7 Es ch 3 2100 EDT--Begin PBS "Masterpiece Theatre". WEDU and KLINE April skeds are negative. KTXT-5 was seen about same time. KENW suspect. KENW is not in any TV Guide Editions I have but they sent me a sked for August and it is negative for this time (FEA). June skeds are negative also for KLINE & WEDU, KENW may have had a different sked in June so might be good idea to write them (FEA).



ORLANDO **wdbo-tv**

Wed Jun 16 Es ch 6 1951 EDT--"Don Adams Screen Test" with guest Buddy Hackett. skip was in from Florida and the Maritime provinces. Signal was buried by another station before peak direction could be found. WDBO checks (FEA). CHSJ1, CJCH6, WCIX, WCTV, are all negative (FEA).

Sun Jun 27 Es ch 2 1358 EDT--End of "Pop Goes Country" thru WGR. Plus or minus offset. PTA: Southern USA. WESH, WCBD, WPMY, WNGE, & WTWO are all negative (FEA). KMID runs it at 1530 EDT, KPRC listed as running baseball game at this time so they may be a possibility (FEA).

⑥

**KFDM-TV**

BEAUMONT

Mon Jun 28 Es ch 6 0022 EDT--British syndicated "Space 1999". PTA: Texas. KFIM checks, other 6s in Texas are negative (FEA).

ch 5 0141 EDT--Begin "Gilligan's Island". PTA: Texas. All Texas 5s, KOCO, KFEM, KCMO, KSD, WKRG, KALB, & WTVF(exWMC) are all negative (FEA).

ch 6 0142 EDT--Begin "Big Valley". PTA: Texas. All Texas 6s, KAVE, KOTV, KTAL, WDSU, WABG are negative (FEA).

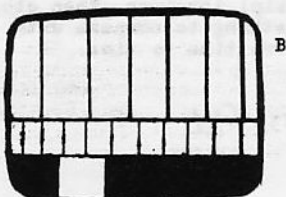
ch 4 0212 EDT--Promo for "Weekday" airing Monday-Friday on unid. Multiple Es clouds at the time were bringing in Texas, Oklahoma, Colorado, and Missouri. Nothing checks except that KXAS-5(ex WBAP) has "Weekday" at 1700. (FEA).

ch 2 2000 EDT--Begin PBS "USA: People and Politics" thru WGR. Plus or minus offset. KLINE-3 seen at 1930. KUSD? KTCA? Skeds for KTCA are unknown as those I have for them are when they ran their Action Auction, KUSD checks (FEA). Thu Jul 15 Es ch 3 1925 EDT--Weather, mention temps for several unknown towns (audio almost unintelligible) plus Vandenberg Air Force Base. Vandenberg is in CA, within KEYT coverage. KEYT & KORK are negative (FEA).

Mon Jul 26 Es ch 3 2130 EDT--"Worldvision" gospel special with toll free 800 number on screen. PTA: Texas. Anyone with skeds for Texas for this date please check it out (FEA).

Wed Aug 15 MS ch 4 0551 EDT--"Television Four" TP as seen in drawing "A". Several bursts noted, plus one super that locked into color for few seconds. Background was either grey or light blue, wedges at botton were multicolored. Can not recall seeing anything like it before, probably a custom TP. Antenna was south.

ch 4 0602 EDT-- $\frac{1}{2}$  CB as in drawing "B". A closer look at it suggests that it may be ordinary  $\frac{3}{4}$  CB configuration with a grey scale supered just above black. Antenna south.




B




A



- Morrie Goldman, 5815 N. Christiana, Chicago IL 60659 (1976 unids)  
 Mon Jun 28 Es ch 3 2336 CDT--Promo for "ACTION NEWS". Slide was seen with "ACTION NEWS" in a diagonal across screen. Top of diagonal was at right hand side. KAMR-4 seen at 2358, KOTA-3 seen at 2325, WEDU-3 at 2300. TV GUIDES are not much of help, maybe TV-CCI AIDS has a list of possibles (FEA). Not KMTV, KARD (FEA).
- ch 3 2342 CDT--Interview with the "Fonz". KLINE has an interview show called "KUP'S SHOW" at this time, KENW is negative (FEA).
- Tue Jun 29 Es ch 3 0017 CDT--Canadian (NW) with news. Ad for something--"Where Canadian money is sold." Weather for many towns, "Dublin 39 clear". The Britannica Atlas lists a Dublin Ont at 43.31 N, 81.17 W (near Stratford Ont), probably CKVR, (FEA). Also seen on ch. 4 which I have no listings for in that area (FEA).
-  ch 4 0203 CDT--"News Four". PTA: W or WNW. Not KXJB, KDUH, KSNB, KPXY, KDUH has a "Four News" at 0100, others unknown (FEA).
- ch 4 0225 CDT--"The Untouchables" faded during break but a 4545 VAFT. PTA: W or NW. KDUH has it from 0115 to 0215, could be it if delayed and would probably match above if true, all other 4s negative (FEA).
- MS ch 5 0225 CDT--3/4 CB PTA: W or WNW.  
 MS ch 3 0225 CDT--Multiburst and CCI from News program had NB in upper left corner behind announcer. PTA: W or WNW. CFRN has news at that time, all others negative (FEA).
- MS ch 3 0249 CDT--3/4 CB, 20KC w/multiburst. PTA: W or WNW.  
 MS ch 5 0300 CDT--Grey scale then sine square. PTA: W or WNW.

- Marvin Shults, R.R. #1, Toulon, IL 61483 (1976 unids)  
 Fri Jul 16 Es ch 3 1740 CDT--Program called "Mr. Chips". Logo had Mr. inside C. About woodworking with two men building a cabinet. Ad for Mary Tyler Moore Show then "Your Olympic Network Station", "See it on ch. 3 in New Foundland". CEFT-2 at 1659, CKKW-2 at 1715 & 6 beat with CBFT, CJBR-3 at 1720. Suspect CJOX, CERNAT1, CBYT4 (probably not with .47 KW). Mr. Chips is found on CBHT at this time. Does not appear to be a CBC Net program. Schedules for New Foundland not available (FEA).



- Mike Reid, 109 Arjay Cres., Willowdale ON M2L1G6 (1976 unids)  
 Wed Mar 31 AU ch 2 2345 EST--"Starsky & Hutch". Delayed one hour. Antenna pointed W. Suspect MST ABC station. KTWQ checks, KDIX is listed as running news at this time, KTVQ is not an ABC member as listed in WTFDA STATION GUIDE (FEA).
- Tue May 18 Es ch 2 0010 EDT--End of "Adam 12". Antenna to west. Unusual ending time, maybe an independent. KWGN & KTVU are negative. Others are listed with network or local news (FEA).
- Sat Jun 19 Es ch 4 0058 EDT--CBS late movie. //KDIX. Spot mentioned the Northmall in Northport. Antenna pointed W, WSW. WCHI & KDUH have Northports nearby. You can again adjust your WTFDA STATION GUIDES as KOTA & KDUH are ABC NBC not ABC CBS, WCHI is listed with movie at this time (FEA).
-  ch 3 0222 EDT--"Midnight Special" Delayed one hour. Suspect KYUS & KOTA. Both check (FEA).
- Mon Jul 12 MS ch 2 0410 EDT--Scene from a movie with people rushing out of a car through a door. Antenna W. Early Monday is an early sign off day for most. Only station I could find on at that time is KNXT (on western direction from Ontario) (FEA).
- Tue Jul 13 MS ch 12 0443 EDT--Western Movie. Antenna W. Possibilities are many for West Coast and Mountain areas, skeds not much help (FEA).
- Thu Jul 15 MS ch 2 0446 EDT--Western Movie. Same as above (FEA).  
 Fri Jul 16 MS ch 2 0453 EDT--TP. Possibly grey CBS type. Antenna W, WSW.  
 Mon Jul 19 MS ch 2 0449 EDT--War Movie. Antenna W, WSW.  
 Tue Jul 20 MS ch 2 0525 EDT--TP. With bright white star in second left top square. Rectangular box in lower right may not be rectangular, may have had call here. See photo above.

Frank Merrill, 1560 Brooke Park Dr., #8, Toledo OH 43612 (1975 unids)  
 Wed Sep 3 Tr ch 12 0800 EDT--End of Cartoon Carnival. Logo with 12 surrounded by stars. PTA: Upper midwest, MO, and Great Lakes region.  
 Probably similar to logo at left.



Rod O'Connor, Box 72, SW Harbor ME 04679 (1976 unids)  
 Sun Jun 19 Es ch 2 0015 EDT--KTO? Unable to make out last letter. I have nothing listed with these first three call letters, call change (FEA)?

Pat Martin, PO BOX 14192, Portland OR 97214 (1976 unids)  
 Sat Jul 17 Es ch 3 1445 PDT--"ABC WIDE WORLD OF SPORTS". KTVK & WWAY check. WEAR is negative.  
 Thu Jul 22 Es ch 4 1230 PDT--"Somerset" and CBS logo seen. Antenna pointed east. "Somerset" is NBC. This would mean a NBC & CBS member station which I do not have listed on ch. 4, any ideas (FEA)?  
 Tue Jul 27 Es ch 4 1430 PDT--"Sanford & Son". PTA: East. Joined NBC daytime 6-14 at 1400 to 1430 local (FEA). Mixing with below.  
 ch 4 1430 PDT--"Star Trek" Nothing except KOA has it at 1500 (FEA).  
 ch 3 1500 PDT--"Mickey Mouse Club". PTA: East. KTVS and KMTV check.  
 Thu Jul 29 Es ch 4 1417 PDT--Spot for Duluth High School. WCCO?

#### Identifications

Aug TV-CCI, Frank Aden, ch 4 Batman, Jul 8, 1844--This is a Batman movie on KTVY, IDed by Richard Allen.

Aug TV-CCI, Paul Gaines, ch 3 Ad for Studs Beer, Jun 27, 0022--Clarke Ingram reports that this was an Ad ran on NBC's Saturday Night. Ad was for "SPUDS" Beer and was part of a comedy sketch (FEA).

Jul TV-CCI, Randy Dorman, ch 23, Music show with David Coe, Jun 1, 2050, Other 23s were checked but nothing positive (FEA).

Jul TV-CCI, Jim Pizzi, ch 5, Mary Hartman, Mary Hartman, May 19, 2048, checked remaining 5s in Midwest USA & Canada but nothing positive, maybe a schedule change (FEA).

#### Regional TV Networks



**Rocky Mountain  
Public Broadcasting  
Network**

Diamond Hill - Suite 50B 2480 West 26th Avenue  
 Denver Colorado 80211 (303) 455-7161

KAET ch. 8 Bureau of Broadcasting,  
 Arizona State University,  
 Tempe AZ 85281

KAID ch. 4 Boise State University,  
 Boise ID 83707

KBGL ch. 10 College of Education Bldg.,  
 Idaho State University,  
 Pocatello ID 83291

KENW ch. 3 Eastern New Mexico University,  
 Portales NM 88130

KRMA ch. 6 1261 Glenarm Place,  
 Denver CO 80204

KTSC ch. 8 Southern Colorado State  
 College, Pueblo CO 81004

KUED ch 7 University of Utah,  
 Salt Lake City UT 84112

KEYU ch. 11 Harris Fine Arts Bldg.,  
 Brigham Young University,  
 Provo UT 84602

KNME ch. 5 University of New Mexico,  
 1130 University Blvd. N.,  
 Albuquerque NM 87106

KRWG ch. 22 Box 3 J,  
 New Mexico State University,  
 Las Cruces NM 88003

KUAT ch. 6 MLB 222,  
 University of Arizona,  
 Tucson AZ 85721

(continued on page 22)

# FM CCI

## UNIDENTIFIED FM-DX

Red O'Connor  
P. O. Box 72  
Southwest Harbor, ME  
04679

### Greetings

No reports received at all during August, presumably conditions were as poor elsewhere as they were here during August. Instead I am happy to pass on a few ID's contributed by VUD editor Clarke Ingram.

#### Jim Pissi

- Mon 14 Jun 1653 91.5 Es - KICC seems unlikely due to low power (10 w)  
Possibly KIPC Albuquerque NM.  
Sun 20 Jun 0146 88.3 Tr - KPCF Fresno (10 w) does repeat KPFA but it  
is on 88.1 - dial slippage??

#### Pete Sawatsky

- Sun 29 Nov 97.7 Ms or Tr - FM Atlas & subsequent VUD's do not indi-  
cate stereo for WURD.  
Sat 13 Dec 2125 94.3 Ms - Almost definitely is WSWT 94.3 which is in  
Sandersville GA.  
Wed 05 May 1200 94.5 Es - Probably KLEK-FM Lubbock TX which could easily  
sound like KOEK.

#### Frank Aden

- Wed 09 Jun 1830 96.1 Es - KWAT-FM Watertown SD unlikely as FM Atlas  
indicates MOR. KSAY Clinton IA is listed as  
Gospel.  
Sun 27 Jun 1615 98.1 2Es - WQIT Binghamton NY (no network) and WFBG FM  
Altoona PA (ABC) possible as both are MOR.

#### R J Steinberger

- Wed 16 Jun 1916 90.7 Es - Possible WKTL Struthers OH which is not far  
from Kent State University.  
Mon 28 Jun 2300 95.3 Es - Not KPRA unless they've moved from 105.5.  
No 95.3's in LA, but FM Atlas lists application  
in Bayou Vista LA. Anybody know if they are on?

#### William Dickerman

- Thu 15 Jul 1925 98.7/.9 - "Bohemian Rhapsody" was a recent rock hit by  
Queen. Boone's Farm ad is a national campaign  
and not of use.  
1927 98.7/.9 - Chaka Khan is lead singer of Rufus Rock group  
but the "Kaydis" is a real stumper. There is  
a WKDZ FM in Cadis KY but it's on 106.3. Prob-  
ably a recent call or frequency change.

Thanks for the clues, Clarke. I hope we can get a few more from other  
members.

Now for one of my own un ID's.

While traveling through California this past April I came across a satellite  
or repeater of KJOI Los Angeles on 100.7 (give or take .2 mhz) which I have  
not found listed anywhere. I was in Lompoc California near Vandenberg AFB  
and received it with a very loud/clear signal. Does anybody know if KJOI  
does have a repeater/satellite in the Lompoc area?

So much for this month's column. I hope to be back with more info next month.

Happy Tuning,

Red O'Connor

Quoting from the July VUD note again, "In addition, the AC-4990 can put up with 126,000 microvolts of signal before cross-mod occurs, compared to only 25-30,000 for the CMA-Ub!"

In any pre-amplifier or amplifier, cross-mod most typically occurs in the output or last stage in the device. Cross-mod stands for "cross-modulation," which is a technical term that relates to the point in an amplifier's operation where the total (summed) output voltages of the amplifier device exceed the manufacturer's ratings for the (transistor) amplifier. When there is an excess amount of input signal voltage(s) to an amplifier stage, but the gain of the stage stays constant, then the input signal times the gain of the stage equals a higher output voltage than the transistor-stage is capable of handling. The stage breaks down, and the modulation (or picture/sound) from one channel becomes superimposed over the picture/sound of another channel or channels. No permanent damage is done, but as long as this "overload" condition exists, the pre-amplifier does not function properly (if at all).

Seemingly, a pre-amplifier that has a high signal output capability is preferable to a pre-amplifier that has a low(er) signal output capability. And the difference between 25-30,000 microvolts and the Winegard quoted 126,000 microvolts certainly "sounds like" quite a difference.

There are two measurement scales for signal levels; microvolts (or 1/1,000,000 of a volt per microvolt), and decibels (abbreviated dB). The dB scale is simpler to use because the numbers are smaller and it conveys a log type approach to signal levels. 30,000 microvolts is the same as +29.5 dBmV. The mV in the preceding notation simply means decibels of level above 1 millivolt (the same thing as 1000 microvolts). 126,000 microvolts is the same thing as +42 dBmV (if you average off the numbers).

So the Winegard AC-4990 has a maximum output capability of +42 dBmV (same as 126,000 microvolts) while the Blonder-Tongue CMA-Ub has a maximum output capability of +29.5 dBmV (or 30,000 microvolts) before overload or cross-mod begins. And since our earlier discussion of gain was in dB, let's relate the difference between the two to just that area. +42 dBmV versus +29.5 dBmV for output capability; 17.5 dB of gain versus (according to Gould) 25 dB of gain.

Now recall that overload happens in the last stage of the pre-amplifier; or the output stage. How much gain does a stage itself typically have? 8-10 dB of gain is a typical amount of last-stage gain. What do you suppose would happen if you took a CMA-Ub with 25 dB of gain and "chopped out" the last stage transistor? The answer is that the gain of the CMA-Ub would go down by 8 dB; or become 17 dB. Would anything else happen?

Yes, the output capability of the amplifier might go up; probably by the same 8 dB.

So in a sense, Winegard has looked at not the noise figure but the output capability of their prime competitor (Blonder-Tongue's CMA-Ub), and by selecting a recent Motorola transistor (there are several new ones with 1.5 to 2.5 dB noise figures in the UHF band, some available for as little as \$2.00 in single lot quantities), they have been able to get a lower noise figure than B-T can get with a design frozen some five years ago with the then-best-available transistor. Then to overcome the market-place problem with UHF overload, they have lopped off the much-needed final amplifier stage. They have not solved a problem; they have simply avoided it. And in avoiding it, they have created a new one: the problem of inadequate gain in the pre-amplifier to overcome the loss of the UHF tuner/converter mixer stage.

Winegard has always been clever in their marketing department; but unfortunately, a marketing department designs very poor equipment. I'm surprised that Jim Gould fell for it; he certainly should know better.

Finally, a note on pricing. There seems to be confusion in the TV DX ranks as to the pricing of B-T equipment. I believe the confusion stems from the misapplication of model numbers. There is, in truth, a CMA-Ub. It nets for less than \$75.00 with the companion power supply. Then there is a CMA-ULN (LN standing for low noise); a much better version that has an average of 30 dB of gain and a typical noise figure of under 3.0 dB. That is the version that sells for \$157.00. The page 16 report mis-applies the LN price to the "b" consumer unit. The LN is intended largely for CATV systems, and I use it extensively here.

# TV QSL CORNER

PAUL D. TRASKA  
64 WEAVER AVENUE  
BUFFALO, NY 14208

A NOTE: Rather than write a personal letter to every contributor about qsls not printed (example--5 qsls were sent and only 3 are seen) answer is that they were seen in a recent or not too recent VUD issue, and will be published at a later or future date. However, an exceptional qsl from FL is seen. Tnx. -pdt-

- CA KTVU ch 2 San Francisco-The Jack London Square, Oakland 94607. L-Ray Swenson CE. (FA)
- FL WSWB ch 35 Orlando-E Colonial Dr. 32807. L-Robert G. Martins DE. 4 days (TJY) super catch Tom -pdt-
- IA WMT ch 2 Cedar Rapids-Box 2147, 52406. L-Robert Kucera CE. (?) (FA)
- IL WCIA ch 3 Champaign-509 S. Neil St. 61820. L&M-Dale Fleming CE. 8 days (ML)
- WICD ch 15 " -17 E. University, 61820. L&M-David A. Boyer CE. 5 days (ML)
- IN WTHR ch 13 Indianapolis-1401 N. Meridian St. 46202. L-James R. Borgioli, ACE. 4 days (ML)
- KS KARD ch 3 Wichita-PO Box 333, 67201. L&M-Jerryanne Hadley PM. 19 days for letter & 3 3x5 photos (EB)
- MA WNAC ch 7 Boston-Government Center, 02114. L-Kenneth D. McGowan CE. 12 days (PDT)
- MN KDAL ch 3 Duluth-425 W. Superior, 55802. PC-Rudolph T. Luukinen CE. 9 weeks W/RP (PDT)
- MO KQTV ch 2 St. Joseph-40th & Faraon Sts. 64506. QSL-No Signer.. 1 month (TJY)
- KOMO ch 5 Kansas City-125 E. 31st St. 64108. L-stn is glad to hear from DXers (how about that) also CM. Steven A. Smith DE. (FA)
- NE KHAS ch 5 Hastings-68901. L-also CM, Duane Allison CE. (?) (FA)
- KWNB ch 6 Hayes Center-C/O NTN Kearney, 68847. L&M-Lloyd Mintzmyer DE. (FA)
- NY WHEC ch 10 Rochester-191 East Ave. 14604. L-K. Gerald Evans CE. 2 1/2 weeks, (GAC)
- WTEN ch 10 Albany-Box 10, 12201. L&M-Thomas V. Johnson CE. 15 days (TJY)
- SD KUSD ch 2 Vermillion-University of SD, 57069. QSL-Bill Jermwiur E. 4 months (TJY)
- KPRY ch 4 Pierre-300 N. Dakota Ave. Sioux Falls, 57102. L-Scott Park VP&GM, 31 days (FW)
- VA WTAR ch 3 Norfolk-720 Eoush St. 23510. L-James H. Bangley ME. 2 months (GAC)
- WYAH ch 27 Portsmouth-PO Box 111 1318 Spratley St. 23705. L-Bruce Gray OM. 1 week (PDT)
- VT WETK ch 33 Burlington-Ethan Allen Ave. Winooski VT. 05404. L-W.K. Edwards DE. (?) (GAC)
- WI WISC ch 15 Madison-615 Forward Dr. 53711. QSL-Elmer Weisensel CE. report sent 8/23/76 & Verie 8/23/76 (?) (FW)
- WV WBOY ch 12 Clarksburg-912 W. Pike ST. 26301. L-Jas. A. Wright CE. 5 days (FW)

## CANADA

- NB CKCW ch 2 Moncton-Box 5004, E1C 8R6. L-J.S. Irvine M. 5 weeks (PDT)
- ON CKWS ch 11 Kingston-170 Queen St. QSL w/CM (?) 3 weeks (GAC)

CONTRIBUTORS:

Thomas J. Yingling,	Baltimore MD.	-TJY-
Marty Lillie,	Bourbonnais IL.	-ML-
Frank Wheeler,	Erie PA.	-FW-
Ed Brindle,	Latrobe PA.	-EB-
Frank Aden,	Bend OR.	-FA-
Gregg A. Calkin	Ottawa ON.	-GAC-

73s Paul

TV-CGI (continued from page 18)

OCTOBER 1976

## Regional TV Networks (Continued)

KUID ch. 12 Radio TV Center,  
University of Idaho,  
Moscow ID 83843

73's until next month,

Frank

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I have yet to receive any state public TV network information from any of the members. This information is needed as I would like to file a complete list of these and to list them in upcoming columns. Your SUPPORT is needed!

# FM QSL CORNER

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

Deadline: 15th

FL	WQXM	97.9	Clearwater- friendly letter from William D. Elliott, CE in 2 weeks-	GAC
	WDIZ	100.3	Orlando- letter in 3 weeks from Irwin Gerber, CE	GAC
	WISZ	94.1	Penscola-letter & returned report from Gene Pfalzer, manager	TJY
IL	WJVM	94.3	Sterling-nice letter in 3 weeks from John E. Rohwer, GM	TJY
LA	WQUE	93.3	New Orleans-returned report-form with verification on it in 2 1/2 weeks from Pat Matthews, operations manager	TJY
	KCIL	107.1	Houma-real nice letter from Dennis A. Raymond, program director & also send a road map of the city of Houma, reply in 3 weeks	TJY
MD	WFRB	105.3	Frostburg-letter from Lee Crowthers, Asst Engineer in 10 days	TJY
MN	KAXE	91.7	Grand Rapids- Mrs Susan McClear, station manager types brief QSL letter-BFE	
	W269AA	101.7	Grand Rapids- Roger D. Olson, owner types interesting verie letter of this FM translator of KEZZ 94.3 Aitkin, MN, complaining of KEZZ's programming & signal. Since then W269AA has shifted to rebroadcasting WGGW 105.1 Duluth instead of KEZZ. Is this the first qsl of an fm translator? 75 miles away! BFE	
	KWWK	96.7	Rochester- verie letter from Martin L. Hedstrom, CE	BFE
	WHMH	101.7	Sauk Rapids- Walt Peters, CE "types" a qsl letter	BFE
NH	WGIR	101.1	Machester-Ed Brouder says "All of us were amazed that someone had heard us as far away as Duluth."	BFE
NM	KPOE	94.1	Humble City- Albert D. Harkins, CE mentions other reports received from midwest, but feels my report most distant.	BFE
NY	WXXI	91.5	Rochester- letter in 2 weeks from John Bell, Dir of Eng.	GAC
	WJIV	101.9	Cherry Vally- letter in 2 months from William Covert, CE	GAC
	WBIV	107.7	Wethersfield- letter in 2 weeks from same signer as WJIV above	GAC
	WVOR	100.5	Rochester- brief letter in 4 months from Robert Bittner, Program Dir.-GAC	
	WPXY	97.9	Rochester- friendly letter from John Elliott, Operations Mgr.	GAC
	WFBF	92.5	Rochester- letter in 1 week from Robert G. Mallery, CE	GAC
	WDXC	99.5	Buffalo- letter in 1 week from Paul C. Gerthe, CE	GAC
	WTSC	91.1	Potsdam- friendly letter from Ed Hesler, CE power listed as 700watts erp-GAC	
	WCMP	96.5	Rochester- letter in 2 weeks from Jacob Z. Schanker, Dir of Eng.	GAC
	WIGS	92.7	Gouverneur- letter in 2 weeks from Ronald Pesha, CE power 3kw erp!	GAC
	WIBQ	98.7	Utica- friendly letter & rate card in 3 weeks from John T. Dowdell ED GAC	
	WEZO	101.3	Rochester- letter & coverage map in 2 weeks from Jack L. Linder, CE GAC	
SD	KUSD	89.7	Vermillion- W. T. Swisher, Assoc dif of radio, sends program guide and says "We have so many hours of find music, its too bad you can't receive us on a regular basic."	BFE
TN	WMBW	88.9	Chattanooga- Alan W. Hill, CE says "To date your report represents the greatest distance this station has been heard; the only other reports that come are from Omaha, NE & Appleton, WI."	BFE
	WDOD	96.5	Chattanooga- Tim Hall verifies mentioning that at the time their stereo generator was temporarily burn out, and thinks Duluth greatest distance to date.	BFE
VA	WKWI	101.7	Kilmarnock-letter from Dean Loudy, manager in 3 1/2 weeks	TJY
VT	WQCR	98.9	South Burlington- letter from Dennis J. Snyder, CE in 2 weeks	GAC

Another nice report for this month with a new Contributor with Gregg A Calkin of Ottawa, Canada, with Bruce R. Elving, and myself. With skip season going down, maybe I will get more new Contributors I hope. I'm going to be changing my antennas around soon, now the skips are out so I won't miss any. If anybodys report not in this one is because there was not enough room, so watch next month, ok? Well, 73's for now,

## WHICH STATION WAS IT?

FIND OUT WITH THE FM ATLAS AND STATION DIRECTORY



Fourth Edition now ready- a perfect guide to the serious listener, the traveler, the hobbyist, and persons in broadcasting and related fields!

Complete with 38 pages of detailed maps showing FM station call letters, frequencies and locations. Station Directories give full technical data, including powers, heights, stereo, verticals, and coverage radius (both primary and secondary in miles) for all stations, to help

take the guesswork out of FM reception at home or on the go! Gives full FM program data, including progressive rock and all-news stations; covers 67 kc "SCA: From Muzak to Pornography."

Revised editorial content covers FM programming, a timely look at how to buy an FM receiver, FM car radios, quad FM, a controversial study to squeeze double the number of FM channels on the dial, and "nonidentifications" used by a growing number of stations. New FM coverage curves are given with a nontechnical explanation, so that everybody can easily calculate FM coverage- not just engineers! Lists applications for new FM stations, as well as all FM stations and translators on the air in the United States, Canada and Mexico.

For speedy service, order this 112-page FM DX aid direct from Bruce F. Elving, FM Atlas Publisher, 18 1/2 East Fifth Street, Duluth MN 55805. \$3.50 by first class mail, or \$2.95 by "book rate" (U. S. and Canada only). Two or more copies mailed "book rate" \$2.25 each.

(Paid advertisement)

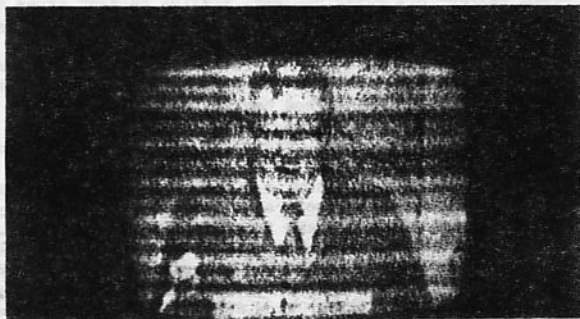
# PHOTO-NEWS

Jim Alexander  
4 Brook Court  
Parsippany, NJ 07054

October, 1976

## Feature: HIGHBAND E-skip

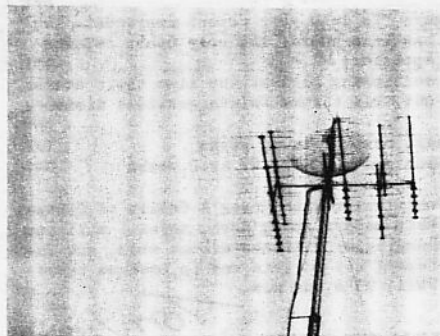
Just as I was preparing to feature Jim Pizzi's antenna system and DX shack in this month's column, a most newsworthy photo arrived. It is below, and is the first photo of E-skip reception on a highband channel since the ones from Glenn Hauser over a year ago. By coincidence, this photo is also from Jim Pizzi, so we'll get to take a look at the equipment used for this unusual DX reception.



KVIJ- 8 Sayre, Ok  
1,140 mile Es  
July 29, 1976

(Jim has obtained a phone and a letter verification of this reception - jja)

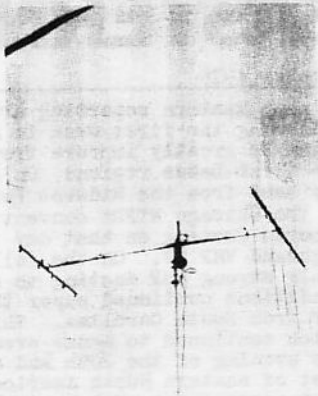
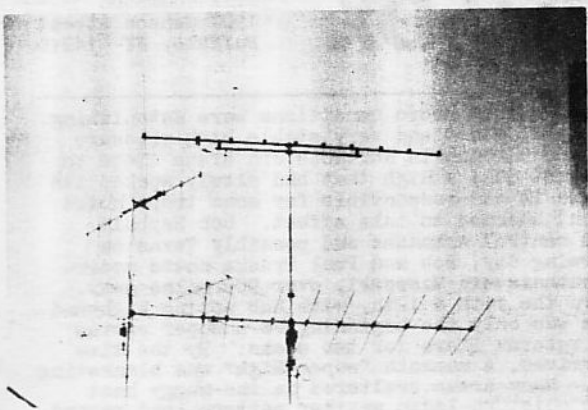
Now, we'll pay a visit to Jim's place in Orcutt, Ca ...



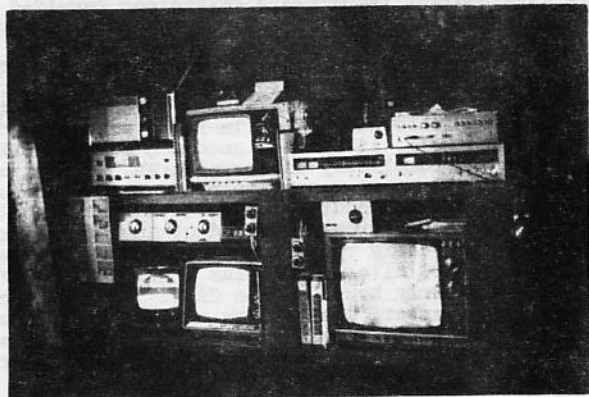
At the left is a photo of Jim's TRI-EX MW-65 65' crank-up tower. Mounted at the top is a ground plane (for aircraft VHF) @ 75'. Just below is a Finco P-7 7' parabolic dish (for UHF)/CM line amp. Feed element of the dish is at 70'. Below the dish, to the right of center is a quad array for highband VHF (ch's 7-13 @ 65'. To the left of the quad stack is a 10 element LPV FM antenna @65'. The UHF dish, highband quad stack, and LPV FM antenna all send the signals down .412 coax. Finally, at bottom left (below the FM antenna) is a 9 element Winegard CH-2026 lowband VHF (ch's 2-6) @ 62', using CAC-11 (good low loss RG-59! type) down lead.

The photo at the top left of the next page shows in the foreground at the top a 10 element yagi for channel 4, and below the ch4 yagi, a 10 element yagi for ch 5. Same photo, in the background: at the top, a vertically mounted 10 element yagi for FM (@ 40'), and below the FM yagi, a 10 element yagi for ch 2 (@ 30'). Both systems in the photo are turned by Alliance C-225 rotors, and use CAC-11 co-ax.

In the photo at the top right of the next page, are (from left to right) a 5 element yagi for ch 6 and a 5 element yagi for ch 3. Both are vertically mounted and use CAC-11 co-ax.



To check out Jim's DX shack, look at the photo to the right. On the top shelf at the upper left is a Grundig TR-5000 all band SW-AM-FM portable. Below the Grundig is a Fisher 500-C FM used as a tuner (audio amp tubes out). To the right of the Fisher and Grundig units is a Panasonic color TV. FM tuners next to the Panasonic on the top shelf are JVC VT-700 and VT-900 digital to the far right. Above the VT-900 is a Sony TA-1066 stereo amp with a pair of speakers on top. Above the VT-700 is a Heath wind speed-direction indicator and an Ameco tuneable FM amp (used w/VT-900). On the bottom shelf at the lower left is a Sony 8" B+W.



To the right of the Sony is a Panasonic 12" B+W. Above the TV sets are 3 Alliance rotor control boxes and a 24 hour digital clock. Attached to the center post are 2 MASPRO tuneable low-band VHF traps. The cubicle to the right contains an 18" Zenith color TV and a CDE rotor control box on top of the TV. Not seen in this photo are MASPRO highband VHF tuneable trap; CADCO IFA high and low band VHF tuneable amps; and CM #7352 UHF distribution amp, which puts UHF signal into all 4 TV's as well as a set in the living room. Jim notes that the UHF distribution amp enables him to monitor 5 channels at a time, which is quite an aid to DXing when tropo is up.

Jim also lists these traps and filters used: 2 Winegard HPF-54 Hi-Pass (34db down below 50 mHz); 1 Winegard TFM-7 FM trap (25 db down on FM); 1 Winegard BRF-170 (17 db down between 110-170 mHz); 2 MASPRO CTP-13 tuneable lowband VHF (30 db max); and 1 MASPRO CTP-412 tuneable highband VHF (30 db max).

That's it for this month. Special thanks to Jim Pizzi for providing this month's materials. Hope more of you will send in photos of your equipment for use in future columns!

73 and good DX, *Jim*



# EASTERN TV-DX

Bill Thompson  
1907 Seneca Street  
Buffalo, NY 14210

October 1976

In many Eastern reporting areas, August tropo conditions were astonishing. Following the first week in August, moist and very stable high pressure began to greatly improve tropo conditions in Northeastern areas close to the Great Lakes region. On August 9th, a High that had slowly worked its way east from the Midwest (where it was responsible for some tropo noted at the Chicago WTFDA convention) started to take effect. Bob Seybold reports ducting on that day to central Arkansas and possibly Texas on highband VHF TV. On the following day, Bob and Paul Traska noted moderately strong UHF ducting to southeastern Missouri, over 900 miles away. Conditions continued super thru the 11th & 12th, with Bob noting highband VHF from South Carolina. This was only the beginning of a super period which continued to amaze even veteran DXers for two weeks. By the time the evening of the 20th had arrived, a mammoth "super-High" was blanketing most of eastern North America. Many areas sweltered in the muggy heat that accompanies such a stable moisture-laden weather pattern, and record high temperatures reached areas as far north as Timmins, Ontario--where the near-100° F readings were previously unheard of. Almost everywhere, huge day-to-night temperature inversions resulted in super tropo, which wasn't distinguished so much by distances (although some record-breakers probably occurred) as it was by path. Paths that rarely open up, such as those across the Appalachians, were so good that western New York DXers logged 100-watt UHF translators from southeastern Virginia. These super tropo conditions were distinguished by one characteristic--stability. One surprise followed another in rapid succession. While one area would be open very well, it was not uncommon for some DXers to note ducts opening up into a completely different area. One example of this was your editor's simultaneous reception of central Wisconsin and southeastern Virginia in the wee hours of the 21st. The stability of the amazing conditions continued through the end of August. Mark Lewis, now in Ottawa, reports almost daily reception of low power UHF satellites from southeastern Ontario, 400 miles away--plus a super catch of WICD-15 at over 700 miles in the early hours of the 22nd. Excellent conditions continued until early September, when things slowed down quite a bit. However, as this is being typed in mid-September, conditions are improving again--so with any luck, we may have some more newsworthy tropo to report next time.

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

August	24 Tr 2200	WAVY-10 Portsmouth (280)
11 Es 1945	unIDs 2-6 "brief"	WVEC-13 Hampton VA (270)
12 1045	KTVI-2 St Louis MO (850)	WTNH-8 New Haven CT (95)
	1100 KQTV-2 St Joseph (1080)	WBOC-16 Salisbury MD (162)
13 2000	WRCE-3 Chattanooga (687)	WYAH-27 Portsmouth (280)
	unIDs 2-5	WCPB-28 Salisbury MD (162)
14 MS 0315	unID-6 3/4 CB	WAPB-22 Annapolis MD (158)
20 Tr 2130	WXEX-8 Petersburg VA (261)	2300 WITN-7 Washington NC (398)
	WGAI-8 Lancaster PA (104)	WNCT-9 Greenville NC (280)
	WTNH-8 New Haven CT (92)	2330 WWBT-12 Richmond VA (261)
	2200 WTVR-6 Richmond VA (261)	WCMC-40 Wildwood NJ (126)
	WVEC-13 Hampton VA (270)	25 0545 WTOP-9 Washington DC (180)
	2220 WCVE-23 "CCI on WJJS" T	0550 WBAL-11 Baltimore MD (144)
	2230 WYAH-27 Portsmouth (280)	0555 WJZ-13 Baltimore (144)
21 Es 1900	KARK-4 Little Rock (1062)	WAVY-10 Portsmouth (280)
22 1930	unIDs 2-6	WXEX-8 Petersburg VA (261)
23 Tr 0530	WTAJ-10 Altoona PA (212)	"VAFI 5555"
	unID-5 3/4 CB "WCVB?"	0605 WTNH-8 New Haven CT (95)
	0545 WJZ-13 Baltimore MD (144)	0610 WDCA-20 Washington (180)
	WBAL-11 Baltimore MD (144)	0630 WWBT-12 Richmond VA (261)
	0600 WFSE-3 Hartford CT (122)	0635 WVEC-13 Hampton VA (270)
	WGAI-8 Lancaster PA (104)	0645 WBFF-45 Baltimore MD (144)
	WTNH-8 New Haven CT (95)	26 0545 WTOP-9 Washington DC (180)
	2100 WBRE-28 Scranton PA (86)	WBAL-11 Baltimore MD (144)
	WHNB-30 New Britain (117)	WJZ-13 Baltimore MD (144)
	2130 WATR-20 Waterbury CT (99)	Es 1910 unID-3 "very brief"

"School starts tomorrow, so I will have to stop thinking about DXing constantly!...I had a great time at the convention, and I can't wait till next year."

Mark L. Lewis 701-345 Waverly Street Ottawa, Ontario K2P 0W4 (EDT)  
 "My new antenna system was completed this past weekend, and it is the finest system I have built to date. This building is about 8 stories high, then I have a 20 foot tower on the roof with ten more feet of mast. Hence, my UHF antenna must be nearly 100 feet above ground if not more. I am using the Delhi 5' dish...the seven is just a bit too large for safety. I have a Blonder-Tongue CMA-Ub amp on the antenna. The only weak point is the coax--although it is the Belden 8228, it is spliced in one place in the downrun, and I am running about 75' of coax. I plan to have a single run of .412 within the next month or so. Under normal conditions, and conditions are indeed normal, I have tropo scatter out to nearly 300 miles. To the east, things aren't too good, possibly because of some tall buildings or the topography. I'm right downtown in Ottawa... a mere 12 minute walk from Parliament Hill. Ch 22 Burlington VT, at about 160 miles, was expected to be excellent, however it is weak and disappointing, in spite of its 4000'+ amsl antenna. Likewise ch 33 is poor from Burlington. Montreal ch 17 isn't very good, but I think that the xmtr site might be as far as 110 airmiles. To the south and west, it is another story altogether. I can always get ch 19 in Adams MA, ch 17 Schenectady, traces of chs 22 and 28 Scranton (my furthest stations), and ch 18 Norwood NY is incredibly strong, to the point of overloading the system, despite the distance. Ch 16 Watertown isn't as good, and frame-bars noted from ch 20 Utica, ch 17 Buffalo, and WUTV-29, despite CFVO-30 locally. Also in there is ch 40 Binghamton. You'll note that most of these stations are out around 250 miles. The Toronto U's are the best of the distant stations with CHLT-25 there most of the time (adjacent to local CICA-24) and CICA-19 is also there with only 98 kw ERP...I don't think that 25 is running full ERP yet. Ch 22 Uxbridge is very strong and destroys 22 Burlington VT with a big nasty "0" offset. The high pressure area which dominated the weather over the weekend and during the past couple of days brought incredible tropo and ducting. The best catch was mid-Illinois at 720 miles on UHF. My antenna system really proved itself especially on the flea powered translators in S.W. Ontario, namely 13.7 kw ch 48 Chatham, Ontario at 400 miles. Here's the rundown:"

August

- 20 Tr 0115 CKCO3-42 Oil Springs, WKBD-50 Detroit "--colour, fair signal strength at sign-off. The mid-Michigan UHF stations were probably off for the night by now. Also seen were chs 48/59 Chatham, chs 18/40 London, chs 28/76 Kitchener, Toronto including CITY-79 (despite the fact that the CMA-Ub drops off above ch 69)."  
 0800 "conditions down somewhat, but Toronto U's were strong, and WNED Buffalo ch 17 was pretty good, but had CCI from Schenectady as usual."
- 21 "This was best day for tropo. Things really got going during the evening hours."  
 2230 "Noted WUTR-20 translators on chs 50, 60, 68...CCI on 50 from WKBD Detroit with NBC network football game."  
 2300 "WUAB-43 Cleveland with Steve Allen's Laugh-back in colour... I watched the bulk of the programme for enjoyment rather than DX purposes. Ch 24...very heavy CCI cutting through our local CICA-24."  
 2330 "33 Burlington VT, snow free and overloading the system.  
 WVIA-44 Scranton--PBS to south. Chs 19, 25, 79 Toronto all fairly strong. Ch 40 London...lost its off-air signal and had colour bars for a while. WBRB-28 Scranton strong...with CCI from Kitchener."  
 2350 "CICA-24 Ottawa was off, but I didn't realize they had left the air because of the studio-quality signal from WCNY-24 Syracuse... with a decent signal level the CMA-Ub really amplifies and cleans up a signal."  
 2353 "WSEB-35 Erie, ch 23 w/PBS...probably WKAR-23 East Lansing. WUTV-29 Buffalo, WKBN-27 Youngstown w/CCI...but in colour."  
 2359 "Ch 35...CCI over WSEB...probably Grand Rapids."
- 22 0000 "S/off of Vermont Educational Network...In rapid succession I logged WVER-28 Rutland, WVTA-41 Windsor, and WETK-33 Burlington. Ch 28 runs 40.7 kw, and Windsor-41 is 589 kw."  
 0013 "WAKR-23 Akron, tentative WFLD-32 Chicago w/a movie, but CCI from CICA-32 Windsor, Ontario." 0017 WBJA-34 Binghamton NY  
 0020 "Ch 18 CICA-London, WNED-17" 0027 "Chs 59/48 Chatham, Ont."  
 0029 CHLT-1-76 Kitchener, 0031 WJAH-17 Canton OH "over WNED"

Mark L. Lewis (continued)

August

- 22 Tr 0032 "Ch 5 Plattsburgh lost network microwave and announced: 'the loss of the network signal is due to atmospheric'...I think I saw some CCI on their microwave."  
 0115 "Ch 29...possibly Traverse City, Michigan signing off, then ch 29 Oil Springs."  
 0118 "WICD-15 Champaign, Illinois--720 miles. IDed at 0140."  
 0143 "WNUD-16 South Bend IN, WANE-15, WKJG-33 Fort Wayne IN "Southwestern Ontario channels 40, 42 and 76 all snow-free."  
 0145 "Overload from Global Uxbridge on ch 22 imaging on ch 38."  
 0146 "Ch 33 Ft Wayne with CCI...Youngstown, or further out? Also noted was FM from Harrisburg PA...but I was too busy with UHF to listen to FM."  
 1100 "Super strong PA UHF, plus Adams MA, etc."  
 23 0010 "Youngstown U's, WSEE-35 Erie PA, WKBS-48 Philadelphia PA "I am using a Radio Shack "Archer" 10-element yagi for FM, and boy is it hot! My locals include Toronto, Buffalo and the two furthest "locals" are CKLA Guelph and CKDS Hamilton...WNED-FM suffers CCI from WSYR-FM, but the yagi is sharp enough to distinguish the two. Many other equally distant PA and VT stations are there too. Surprisingly, powerlines are quite clean around here despite my downtown location. I hope that this system weathers the winter...but it should...the rotor is my old reliable Ham-M and the tower has half-inch studs sunk into concrete wall, one inch deep." (Some super loggings, Mark! Sounds like you have a great site to match your system. Hope to hear more from you if your time and DX conditions permit. WTFDA is indeed fortunate to have a member working for the CRTC. It's good to hear that your DXer influence will change things! -bt)

Chris A. Corso 78 McAdam Avenue Toronto, Ontario M6A 1S7 (EDT)

"A summer job and some minor TV repairs have given me little time and chance for DXing during Bs openings. However, a one week vacation has given me luck on UHF-DX, despite my minimal equipment, in Markdale, Ontario (75 miles northwest of Toronto). Due to arcing transformers on nearby powerlines, lowband VHF-DX is almost impossible because of static produced (even when the set was using battery only). But I did manage to receive WAXY-FM from Ft. Lauderdale FL, at 105.9 MHz for a short while. This was on July 19th at 1330 EDT. Prospects for state of the art antenna equipment are in the offing."

June

20 Bs 1624 unID-2 "prob. WPBT/KBTS"

July

23 At Markdale, Ontario:

- |         |                         |       |                     |                       |                      |       |
|---------|-------------------------|-------|---------------------|-----------------------|----------------------|-------|
| Tr 1830 | WNUD-16 South Bend      | (430) | 23 Tr 1830          | CHLFT2-40 London ON   | (103)                |       |
|         | CIC018-18 London ON     | (103) |                     | WUHQ-41 Battle Creek  | (270)                |       |
|         | WUCM-19 Bay City MI     | (173) |                     | CKC03-42 Oil Springs  | (134)                |       |
|         | WXON-20 Detroit MI      | (200) |                     | WUAB-43 Lorain OH     | (205)                |       |
|         | WPTA-21 Ft Wayne IN     | (320) |                     | WKBD-50 Detroit MI    | (200)                |       |
|         | CKGN22-22 Uxbridge ON   | (79)  |                     | WQLN-54 Erie PA       | (160)                |       |
|         | only 78 miles away, the |       |                     | WTVS-56 Detroit MI    | (200)                |       |
|         | receiver site is in a   |       |                     | WGPR-62 Detroit MI    | (200)                |       |
|         | valley making reception |       |                     | CHLFT1-76 Kitchener   | (55)                 |       |
|         | just bearable under     |       | 28 Back in Toronto: |                       |                      |       |
|         | normal conditions."     |       | Tr 1650             | WUAB-43 Lorain OH     | (200)                |       |
|         | CKGN1-22 Cottam ON      | (161) | August              |                       |                      |       |
|         | WSBT-22 South Bend      | (450) | 4 Tr 2030           | WXXI-21 Rochester NY  | (114)                |       |
|         | WKAR-23 E Lansing MI    | (213) |                     | CKGN1-22 Cottam ON    | (210)                |       |
|         | WJET-24 Erie PA         | (160) |                     | CKGN29-29 Oil Springs | (160)                |       |
|         | WEYI-25 Saginaw MI      | (175) |                     | WSEE-35 Erie PA       | (114)                |       |
|         | CHLFT-25 Toronto ON     | (75)  |                     | CHLFT2-40 London ON   | (85)                 |       |
|         | CIC028-28 Kitchener     | (55)  |                     | WUAB-43 Lorain OH     | (200)                |       |
|         | WUTV-29 Buffalo NY      | (134) |                     | W46AB-46 Brocton NY   | (103)                |       |
|         | WKJG-33 Ft Wayne IN     | (320) |                     | CHLFT3-48 Chatham ON  | (171)                |       |
|         | WSEE-35 Erie PA         | (160) |                     | CIC059-59 Chatham ON  | (171)                |       |
|         |                         |       |                     | CHLFT1-76 Kitchener   | (63)                 |       |
|         |                         |       |                     | "deep fringe area"    |                      |       |
|         |                         |       | 11                  | 2145                  | WXXI-21 Rochester NY | (114) |
|         |                         |       |                     |                       | WUAB-43 Lorain OH    | (200) |
|         |                         |       |                     |                       | W46AB-46 Brocton NY  | (95)  |

"Despite such minimal equipment, my DXing results surprise me as a newcomer to VUD." Receiver: 7" Sony AC/DC B/W with loop for UHF.

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

May		July	
7	Es 1350	WTWS-2 Miami FL (1090)	14 Es 1130
11	1600	ICR-2 Havana CUBA	15 1315
12	1610	WTWS-2 Miami FL	WERZ-2 Baton Rouge LA
		WTVJ-4 Miami FL	23 1130
			24 0930
			WMT-2 Cedar Rapids IA
June		August	
1	Es 1200	KNOP-2 N Platte NE (1280)	18 Tr 0930
	1230	KCKT-2 Great Bend KS	WROC-8 Rochester NY (170)
	1300	unIDs to ch 6	WHEC-10 Rochester NY
3	1100	ICR-2 Havana CUBA	WOKR-13 Rochester NY
		ICR-6 Havana CUBA	"all w/good signals"
	1155	WESH-2 Daytona Bch (950)	1000
4	1500	WEAR-3 Pensacola FL	WSYB-18 Elmira NY (90)
		WKRK-5 Mobile AL	"ending Fun Factory 5555"
		WDIQ-2 Dozier AL	WENY-36 Elmira NY
11	2320	KUSD-2 Vermillion SD	"ABC 'Let Us Be The One' flourish on ID"
		KDLO-3 Garden City SD	unID-21 N.W. "Rochester?"
		KCON-5 Mitchell SD	20 0640
	2330	unID-6 "Rookies"	WLSL-10 Roanoke VA (350)
16	1000	KERC-2 Houston TX (1350)	"Today On the Farm"
	1705	CJON-6 St Johns NF	0722 unID-11 CBS "suspect WJHI"
	1857	WBRG-6 Birmingham AL	0830
17	1945	KETS-2 Little Rock AR	WCYB-5 Bristol VA (470)
	2000	KTBS-3 Shreveport LA	"audio thru WTTB-5"
18	1920	WMT-2 Cedar Rapids IA	0900
	1921	WJMN-3 Escanaba MI	WDBJ-7 Roanoke VA (350)
		"w/nx, sat. to WFRV-5"	1000
	1925	CHFD-4 Thunder Bay ON	WHIS-6 Bluefield WV (400)
		"Harry-O, 'your CTV sta' "	21 0633
	2300	"MUF to ch 6 N.W."	WWBT-12 Richmond VA (270)
		CBWFT-3 Winnipeg MB	"ID slide QRMing WBRG-12"
		"in FF"	Es 2031
		unID-4 CBC "Sunshine Hour" (probably CBWT2 -bt)	KFRY-4 Pierre SD "boasting SD's highest tower"
			22 Tr 1105
			WTVH-5 Syracuse NY
			"call change"
			25 1030
			WAST-13 Albany NY
			WNAC-7 Boston MA
			"Tele-Seven"
			1035
			WSEK-38 Boston MA

"Equipment is an RCA Chromacolor on Channel Master VHF UHF log periodic. New stations underlined. So far this season I added 7 stations to the log bringing it up to a total of 150. Several commonplace Es openings were not noted in my log this year. Thus there were several 2 to 4 openings to Miami for instance which I just thought trivial to include. One opening not listed in the report above was a super intense 2 thru FM opening joined in progress at 1915 on 8/22 from the Mobile AL area. I was alerted to the opening by two ham operators I was listening to. A few notes about some of the above loggings: The WCYB-5 logging beats my old VHF-TV Tr record of 400 miles set in 1971 w/the logging of WHTN-13. The WSEK-38 logging is tentative but I'm 99.9% sure it was them since there are no other 38s I know of toward Boston and besides I have UHF detent tuning. Hi. Reception was extremely fadey, sometimes fading up to a 3 video on the VAFI system. Audio showed up on only the strongest fade-ins. This reception would have posed no problem with you guys w/a dish. Hi. I consider myself now only semi-active on TV. If I ever become fully active again, I would like to specialize in UHF DX. To me this seems to be where the challenges are. 73."

Bill Harrison 2124 Saranac Street Adelphi, Maryland 20783 (EDT)

"Well I'm going to start reporting more than once a year. Equipment: for UHF we've got an Archer 44-element yagi which is fed through RG 11U foam to a homemade U/V patch panel which is then patched to the antenna input of a BTX-111 with the output split with a Blonder-Tongue 2-way splitter. One output goes to the GE 15" TV receiver (B&W), then the other output goes to a Realistic STA-46, where UHF audio is then tuned at 87.75 MHz. One of these days I am going to get a 5 or 7' dish, but the \$ is a problem. For VHF we have a Channel Master 1262B, turned with a Channel Master model 9512 rotor, using RG59 coax, 19-element log for VHF hi, and a 5-element yagi for VHF lo. All antennas go straight into the patch panel which then can be patched into a Blonder-Tongue CVB-45P VHF hi/lo distribution amp, then to the TV. All antennas are up 40' above the ground."

## Bill Harrison (continued)

## May

2	Tr	0855	KYW-3 Philadelphia (130)	27	Es	1130	WTVJ-4 Miami FL (915)
		0856	WBWT-12 Richmond VA (110)			2329	KTEW-2 Tulsa OK (900)
		0857	WXEX-8 Petersburg VA (125)	<b>July (Back in Adelphi)</b>			
		0858	WTVR-6 Richmond VA (110)	3	Tr	0141	WITN-7 Washington NC (310)
		0900	WCVE-23 Richmond VA (110)			0200	WNCT-9 Greenville NC (310)
		2200	WBOC-16 Salisbury MD (85)	16		1730	CKPR-2 Thunder Bay (775)
			WCPB-28 Salisbury MD (85)			1800	CBWT-3 Winnipeg MB (1025)
3		0705	WYAH-27 Portsmouth VA (180)	17	Tr	0206	WITN-7 Washington NC (310)
			"and all Richmond & Philadelphia stations which I receive on a daily basis"			0229	WCBS-2 New York NY (250)
5		0700	WTVR-6, WPMI-6, KYW-3, WWBT-12, WTAR-3, WBOC-16, WYAH-27, WCPB-28	19	Es	1429	KARD-3 Wichita KS (1170)
						1459	KTBS-3 Shreveport (1080)
6		0546	WCBS-2 New York NY (250)			1536	KTEW-2 Tulsa OK (875)
12	Es	1725	TV Nacional-3 Santa Clara CUBA			1730	CJON-6 St John's Nfld
		1800	WTHS/WPBT-2 Miami FL (915)			1800	CHHT-3 Halifax NS (950)
		1806	unIDs to ch 6	20	Tr	0130	WOR-9 New York NY (250)
15		1315	KARD-3 Wichita KS (1170)			0205	WCBS-2 New York NY (250)
		1430	WESH-2 Daytona Bch (750)			0210	WABC-3 New York NY (250)
18		0145	unID-2 NBC to west			0240	WPIX-11 New York NY (250)
		1040	KOTA-3 Rapid City (1425)			0240	WNEH-5 New York NY (250)
31		1046	Tele-Rebelle-3 Holguin CUBA			0500	WITN-7 Washington NC (310)
			"seen with new TP"	26	Es	1925	KREM-2 Spokane WA "???" T
		1100	TV Nacional-3 Santa Clara CUBA				"When I saw KREM it was over WMAR-2 Baltimore but all I saw was a 2 in a circle and SPOKANE underneath it. It looked as if it were superimposed on the screen. Could it be possible?" (Yes -bt)

## June

2	Es	1130-1815	unIDs 2, 3	<b>August</b>				
3		1500	TV Nacional-3 Santa Clara CUBA	4	Es	2055	KATC-3 Lafayette LA (1070)	
4		1630	KATC-3 Lafayette LA (1070)			2100	WBDU-3 Tampa FL (900)	
6		2030	WBEM-2 Chicago IL (500)	9	MS	0300	"Little pings and bursts to the West, chs 2, 3."	
7		2100	KTBS-3 Lafayette LA (1070)			Tr	0330	WTAE-4 Pittsburgh PA (210)
11		1830	Tele-Rebelle-3 Holguin CUBA	10	MS	0240	unID-3 "IHTP to N.W."	
13	Tr	0205	WCBS-2 New York NY (250)	11	Tr	0220	WCBS-2 New York NY (250)	
	Es	1125	TV Nacional-3 Santa Clara CUBA			WNEH-5 New York NY (250)		
14	Tr	0205	WCBS-2 New York NY (250)	MS	0250	WPTV-4 Indianapolis (500)		
		0206	WGAL-8 Lancaster PA (100)	12	Tr	0215	KDKA-2 Pittsburgh PA (210)	
		0300	WBBC-4 New York NY (250)			0326	WHEH-4 Buffalo NY (300)	
21	At Norfolk VA:					0535	WRAL-5 Raleigh NC (200)	
	Tr or G/	1915	WUND-2 Columbia NC			0535	KDKA-2 Pittsburgh PA (210)	
25	Es	0959	KPRC-2 Houston TX (975)				"sign-on"	
		1000	KMID-2 Midland TX (1150)					
		1109	(TV Cubana)-6 Havana CUBA					
26		1130	WBRZ-2 Baton Rouge (800)					
27		1124	WPTV-5 W Palm Beach (600)					

(Regarding your question about CJON-6, Bill, they are within single-hop range of your location--but it is a long single-hop -bt)

## John F. Combs 816 W. Harvard Orlando, Florida 32804 (EDT)

## July

17	Es	1630	"In, but local thunderstorms wreck it"	21	Es	1845	unIDs 2, 4
				22		1802	"t/in--MUF ch 6 plus"
26		1100	unIDs 2-5			1803	WCVE-5 Boston MA (1175)
28		1510	WCAX-3 Burlington VT? T			1812	WBZ-4 Boston MA (1175)
		1546	WSYR-3 Syracuse NY (1025)			1814	WGHH-2 Boston MA? T
		1547	WPTZ-5 Plattsburgh NY? T			1815	WFSB-3 Hartford CT (1085)
		1556	CBOT-4 Ottawa Ont (1255)			1816	WTEV-6 New Bedford MA? T
		1600	WHEN-5 Syracuse NY (1025)			1825	unID-7 "CGI-not positive if Es--in & out past 1900"

## August

11	Es	1845	WCAX-3 Burlington (1245)			1830	WCSE-6 Portland ME? T
		1900	WSYR-3 Syracuse NY (1025)			1840	"2-4 useless, too much CGI"
		1923	WPTZ-5 Plattsburgh (1240)			1859	WMAQ-5 Chicago IL (1095)
		1932	WHEN-5 Syracuse NY (1025)			1900	WNEH-5 New York NY T
		2008	CKVR-3 Barrie Ont (1125)			1916	WJBK-2 Detroit MI T
		2033	WNBC-4 New York NY? T			2110	"MUF way down..."
16		1940	unIDs 2, 3, f/out @ 1955	23		2053	WJBK-2 Detroit MI (980)
							WVJ-4 Detroit MI (980)

## John F. Combs (continued)

"Aug. 11 Es was witnessed by visiting DXer JIM ALEXANDER. As Jim puts it, 'The Law of Visiting DXers takes it on the chin again', hi...Aug. 22 Es was the most intense I've seen in quite some time. The CGI on 7 displayed the rapid-fading Es quality--has anyone else seen high band Es on rabbit ears?...One final note--WEDU-3 now carries a program "Lo Nuestro" in SS at 1800 EDT Saturdays. So if you see or hear Spanish on ch 3 during an Es opening to FL area, don't jump to conclusions--it may not be Cuba! Log at 243 stns, 27 states, 67 UHF. Good DX & 73s to all..."

## Bill Grant 67 Brattle Street Worcester, Massachusetts 01606 (EDT)

July		August	
10	Es 0840 TV National-2 CUBA	19	Es 1730 WMAB-2 State College MS
11	0800 WESH-2 Daytona Beach FL	1830	CHVAT1-3 Baie Verte NF
	0830 WPBT-2 Miami FL	1910	KYTV-3 Springfield MO
	0927 TV National-2 CUBA	20	0001 WESH-2 Daytona Beach FL
	1900 KYTV-3 Springfield MO	22	1930 WEDU-3 Tampa FL
	1930 WRBC-3 Memphis TN	23	1830 CJAP-3 Argentia NF
12	0715 WESH-2 Daytona Beach FL	1928	CJOX-2 Grand Bank
	0730 WTHS-2 Miami FL	1940	CBWFT-3 Winnipeg MB
	0800 WTVJ-4 Miami FL	2000	KDAL-3 Duluth MN
	1930 Tele-Rebelde-3 CUBA	2039	KTVO-3 Ottumwa IA
	1945 WEDU-3 Tampa FL	2300	KDLO-3 Garden City SD
14	1730 CJAP-3 Argentia NF	24	0020 CKPR-2 Thunder Bay ON
	1900 CJON-6 St John's NF	0050	WMT-2 Cedar Rapids IA
	2057 KDAL-3 Duluth MN	0830	WESH-2 Daytona Beach FL
15	0700 WNGE-2 Nashville TN		WEDU-3 Tampa FL
	0701 WLBT-3 Jackson MS	0900	WPBT-2 Miami FL
	0715 WBRZ-2 Baton Rouge LA	1100	KTVI-2 St Louis MO
	0730 WSB-2 Atlanta GA	1128	KETS-2 Little Rock AR
16	1700 WISQ-3 Madison WI	1130	KQTV-2 St Joseph MO
	1758 KGLO-3 Mason City IA	1200	WPBT-2 Miami FL
	2320 CBWFT-3 Winnipeg MB	26	0710 KTEW-2 Tulsa OK
17	0815 CJOX-2 Grand Bank NF	1900	KTVO-3 Ottumwa IA
	0820 CJAP-3 Argentia NF	1915	WCIA-3 Champaign IL
	1000 WCBD-2 Charleston SC	2000	KYTV-3 Springfield MO
	1030 WJBF-6 Augusta GA	27	1900 WRBC-3 Memphis TN
	1100 WSB-2 Atlanta GA	1913	KTBS-3 Shreveport LA
	1200 KETS-2 Little Rock AR	1920	KDLO-3 Garden City SD
	1645 CJAP-3 Argentia NF		
	1647 CJON-6 St John's NF	1	Es 0820 WPBT-2 Miami FL
	2307 KDAL-3 Duluth MN	4	0854 WESH-2 Daytona Beach FL
18	0012 KTVO-2 Casper WY	13	1915 WSAV-3 Savannah GA
	0115 KTCG-2 St Paul MN	15	2000 KTVO-3 Ottumwa IA
	0118 KTVO-3 Ottumwa IA	15	1055 WESH-2 Daytona Beach FL
	0142 WBBM-2 Chicago IL		1100 WEDU-3 Tampa FL
	0159 WMT-2 Cedar Rapids IA	20	Tr 2130 WNEP-16 Scranton PA
	0800 WSB-2 Atlanta GA	21	Es 0910 WESH-2 Daytona Beach FL
	0820 WPBT-2 Miami FL		0930 WCBD-2 Charleston SC
	0923 TV National-2 CUBA		0940 WSAV-3 Savannah GA
	0930 CJOX-2 Grand Bank NF		1200 WPBT-2 Miami FL
	CJAP-3 Argentia NF	22	Tr 1700 WSYR-3 Syracuse NY
	2015 CJAP-3 Argentia NF		Es 1800 WEAR-3 Pensacola FL

"The skip season appears to have come to an end with an unID ch 2 in the midwest at 1300 EDT on Aug. 29th. Tropo has generally been poor. A cool unstable northwest flow over the northeastern states has not been conducive to tropo."

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

August		24 Tr 2000	
24	Tr 2000 WJAR-10 Providence (225)	2000	WSMW-27 Worcester MA (220)
	2400 WPRI-12 Providence (225)	2400	WSBK-38 Boston MA (215)
			2400 WLVI-56 Boston MA (215)

"Very poor conditions during Aug.--all of the above have been received before here in SW Harbor but I had to log something for the month! Also used built-in monopole and UHF loop antenna. Outside antenna NW only & got much better without it. The usual set & rotor I have access to were 'unavailable' for a while, although now both back in normal use. Still, thru 10 Sept., no activity at all. Hope others doing better!"

Paul D. Traska 64 Weaver Avenue Buffalo, New York 14206 (EDT)			
August		19 Tr	1930 WCFC-38 Chicago IL R
10 Tr	2201 WGTE-30 Toledo OH R		2359 WANE-15, WNDU-16 IN R
	2225 WKJG-33, WPTA-21, WANE-15 IN R	20	0035 WSNB-44 Chicago IL R
	2230 W39AA-39 Ft Wayne IN R		0037 WTVO-17 Rockford IL R
	2236 WCFC-38 Chicago IL R		0057 WUHQ-41 Battle Creek MI R
	2330 WUCM-19 Bay City MI R		0115 WTAF-29 Philadelphia PA R
11	0011 WICS-20 Springfield IL R		0120 WHP-21, WTEA-27 PA R
	0100 WNDU-16 South Bend IN R		0140 WSBT-22 South Bend IN R
	0102 KTVJ-16 Joplin MO N		2019 WFPB-31 Hagerstown MD R
	0905 unID-33 TVOntario "overload---??" R		2020 WYAH-27 Portsmouth VA N
			WHRO-15 Hampton VA N
	0906 WKYT-27 Lexington KY R		2022 WCVB-23 Richmond VA N
	WKPC-15 Louisville KY R		2025 W41AB-41 Madison VA N
	0907 WLIO-35 Lima OH R		W42AC-42 Strasburg VA N
	0920 WOSU-34 Columbus OH R	2030	WNVT-53 Annandale VA R
	0930 WDRB-41 Louisville KY R	2035	W48AA-48 Keyser WV N
	WLKY-32 Louisville KY R		W69AB-60 Cacapon WV N
	WPBO-42 Portsmouth OH R	2136	WCVW-57 Richmond VA N
	1600 WKMR-38 Morehead KY R	2137	W79BA-70 Williamsport PA R
Es	1755 unID-6 "South/west" R	2200	W44AA-44 Martinsburg WV N
Tr	1801 WOUU-44 Cambridge OH R	2206	WNJS-23 Camden NJ R
Es	2130 KTBS-3 Shreveport LA R		WGDC-19 Adams MA R
12 Tr	0005 WTAF-15 Parkersburg WV R	2230	W61AB-61 New Market VA N
	0015 WKYH-57 Hazard KY N	21	0038 WVIR-29 Charlottesville N
	0020 W41AA-41 Wheeling WV R		0120 WRDU-28 Durham NC R
			0231 WBOY-12 Clarksburg WV N
	0045 WLEX-18 Lexington KY R		WTRF-7 Wheeling WV R
	0046 unID-17 "South" R	0235	WBBT-12 Richmond VA N
	0129 WKPT-19 Kingsport TN R	1030	WKMR-38 Morehead KY R
	0140 WQWK-13 Huntington WV R		WOUU-44 Cambridge OH R
			WRAO-49 Akron OH R
	WTRF-7, WJAC-6, WTAJ-10 R		WOUB-20 Athens OH R
	WSVM-47 Norton VA R		WHIZ-18 Zanesville OH R
	WOSU-34 Columbus OH R	1120	WTAF-29, WKBS-48 Philly Harrisburg U's 21, 27
	0200 WBOY-12 Clarksburg WV N		
	0204 WTVR-26 Knoxville TN N	1845	WCFC-38 Chicago IL R
	0230-0330 two unIDs on 13 S.		WKAR-23 East Lansing MI R
	2200 WDCA-20 Washington DC R		1910 WDCA-20 Washington DC R
	2205 Harrisburg U's 21 & 27		2100 WTAF-15 Parkersburg WV R
	2206 WKBS-48 Philadelphia PA R		2115 WNJT-52 Trenton NJ R
	2215 WNJT-52 Trenton NJ R		WLVT-39 Allentown PA R
13	0110 WLYB-15 Lebanon PA R		2245 KRIN-32 Waterloo IA R
	0117 unID-29 "WUTV off but couldn't get audio-video" R		2300 WUHQ-41 Battle Creek MI R
	1630 WNVT-53 Annandale VA R	22	0045 W39AA-30 Elmira NY R
	WDCA-20 Washington DC R		0145 unID-56 "WSKG xltr" R
16	1625 WLVT-39 Allentown PA R		0215 WLKY-32 Louisville KY R
	WNJT-52 Trenton NJ R		2205 WOTV-8 Grand Rapids MI R
	WKBS-48 Philadelphia PA R		"thru WJW"
	1630 WDCA-20 Washington DC R		2250 WQEX-16 Pittsburgh PA R
	WHP-21 Harrisburg PA R		2253 WOPG-38 Altoona PA R
	WOPG-38 Altoona PA R		2350 WGDC-19 Adams MA R
	1645 WSBA-43 York PA R	23	0030 WBNB-30 New Britain CT N
	2327 CICO-24 Ottawa Ont R		0034 W39AA-30 Elmira NY R
18	0025 Philadelphia U's 17, 29, 48		0035 unID-20 "east-A.C. 704?" R
	0110 WDEH-24 Toledo OH R		WSBK-38 Boston MA R
	0115 WICS-20 Springfield IL R		0036 WCDC-19 Adams MA R
	0130 WAND-17 Decatur IL R		0130 WHCT-18 Hartford CT N
	WICD-15 Champaign IL R		0135 WBYE-40 Springfield MA N
	0155 WQHD-13 Pittsburgh(TP) R		0210 WHEW-5 New York City NY R
19	0030 WFTI-20 Indianapolis R	0230	WCVB-5 Boston MA N
	WJAN-17 Canton OH R		WCBS-2 New York City NY R
	0035 Ft Wayne U's 15, 21, 33		0301 WTEV-6 New Bedford MA N
	0037 WNDU-16 South Bend IN R		0320 WABC-7 New York City NY R
	0145 WLEF-18 Lafayette IN R		0340 WNAC-7 Boston MA N
	1600 WKAR-23 East Lansing MI R	25	0006 WNIT-34 South Bend IN R
	WGTE-30 Toledo OH R		WNDU-16 South Bend IN R

Paul D. Traska (continued)

August		September	
25 Tr	0006 Ft Wayne U's 15, 21, 33	28 Tr	2358 "CKGN on 19 and 18. Must be overload. Paul Gaines tells me he sees this all the time."
	0210 CBFST-7 Surgeon Falls ON N		
	0212 CHNB-4 North Bay ON R	30	2345 "Scranton-Wilkes Barre, Binghamton & Elmira sigs"
	0220 CBFST-13 Sudbury ON N		
	CKSO-5 Sudbury ON R		
	0230 CKNC-9 Sudbury ON R		
	0231 CBFST-12 Elliot Lake ON N		
	0234 CKSO-11 Kearns ON R		
	0236 WTVH-5 Syracuse NY R		
	"new call (ex WHEN)"		
26	0110 WCDC-19 Adams MA R		
	0115 WHNB-30 New Britain CT R		
	0130 W65AA-65 Canton PA R		
	0210 CBFST-7 Sturgeon Falls R		
	CBFST-12 Elliot Lake ON R		
	CHNB-4 North Bay ON R		
	0224 CKNC-9 Sudbury ON R		
	0236 CKNY-10 North Bay ON R		
	CKSO-11 Kearns ON R		
27	1500 WDCA-20 Washington DC R		
	1505 WHP-21 Harrisburg PA R		
28	2030 WLVT-39 Allentown PA R		
	WDCA-20 Washington DC R		
	WNJT-52 Trenton NJ R		
	2300 ALL CICO-19 and CHLFT-25 repeaters VAFI 4444		
		5 Tr	0030 WOSU-34 Columbus OH R
			0040 WKBP-22 Dayton OH R
			WNJT-52 Trenton NJ R
			WNJS-23 Camden NJ R
			WLVT-39 Allentown PA R
		2005	WNJM-50 Montclair NJ N
		2015	WVBT-68 Newark NJ N
		2045	WNYC-31 New York NY N
		2100	WNJB-58 New Brunswick N
		2130	WNJU-47 Newark NJ N
		2145	WSBK-38 Boston MA R
			WSMW-27 Worcester MA R
		2149	WCDC-19 Adams MA R
			WVTA-41 Windsor VT R
		2151	WLVI-56 Cambridge MA R
			WGBX-44 Boston MA R
		2200	WGBY-57 Springfield MA R
		2305	WHYN-40 Springfield MA R
		4	0045 WATR-20 Waterbury CT R
			0104 WHNB-30 New Britain CT R

"The tropo on August 20th was something else--those xltrs were just super great. The UHF Translator DX guide is OK, but should have been organized differently; time was lost flipping page by page looking for which xltrs in what area. I missed out on more than a few xltrs. The GUIDE should have been organized by STATE...not by channel. This was my best August tropo year, 26 new--and Sept. started very good also. With all these new stations my log total is now at 427."

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

August		WECT-6 w/test pattern"	
1 Es	0905 unIDs 2 & 3	11 Es	1955 XE2-3 MEXICO T
2	1340 unID-2 S.E.		2030 KIII-3 Corpus Christi T
	1850 unIDs 2 & 3	15 Tr	1600 WJCL-22 Savannah "traces"
	1930 WGBH-2 Boston MA 2111R	16 Es	1805 WTWO-2 Terre Haute IN T
Tr	2000 WUSF-16 Tampa FL 2115R		WYSR-3 Syracuse NY 3211R
3 Es	1527 unID-2 "KTWI/KQTV/WNGB??"	Tr	1815 WJCL-22 Savannah GA 2015R
4	1310-1340 unIDs 2-4		1840 WJWJ-16 Beaufort SC T
Tr	1630 WUSF-16 Tampa FL		1930 W69AA-69 Hollywood FL R
Es	1931 WISC-3 Madison WI 2111R	17 Es	1720 WDTN-2 Dayton OH 4022R
	2030 WDTN-2 Dayton OH 2111R	21 Tr	0730 "W64AD rebroadcasting ICB ch 6 with 3/4 CB & Reloj Nacional (AM) audio"
	2050 WPSX-3 Clearfield 2111R		Es 0900 CKCO1-2 Wiarion Ont 2111R
	2212 KDKA-2 Pittsburgh PA T		0950 CKVR-3 Barrie Ont 2013R
5	0015 "skip still in on ch 2!"		0950 "MUF near 95 MHz"
7 Tr	0830 WJCL-22 Savannah GA R	Tr	2200 W69AA-69 Hollywood 4455R
	1940 WJWJ-16 Beaufort SC 3114R		0715 W69AA-69 Hollywood 4343R
	unID-33 "CGI over W33AA"		0910 WQJB-20 Gainesville 2021R
	WJCL-22 Savannah GA R	22	0910 WTMJ-4 Milwaukee WI 0321R
8 Es	0935 unIDs 2, 3, 4	Es	1850 "MUF up to 95 MHz"
	1130 KIII-3 Corpus C TX 3011R		2000 CKVR-3 Barrie Ont 2011R
	1200 KGBT-3 Harlingen TX 2111R		WJMN-3 Escanaba MI 3211R
	1840 WJCL-22 Savannah GA 2015R		1910 WDTN-2 Dayton OH 1011R
9	1330 unIDs 2, 3	23 Es	2030 WSAZ-3 Huntington 2011R
	"Electrical storm killed skip"		
10 GW	0410 "W64AD rebroadcasting		

Also reported: frequent relogs of WJKS-17 Jacksonville FL.  
 "Es on 43.38% of days (actually 53.57% as 29-31 omitted) not bad for August. Had visit from JIM ALEXANDER and he got to see some 400 mile UHPs and some Es here. This seems to violate the visiting DXers law...ie: you never see anything good when somebody is visiting..."



Bob Seybold Bennett Road Dunkirk, New York (BDT)

"Due to great amount of DX I am including only the period Aug. 9 - 27th. This period as a whole was great tropes period--continuous tropes, day after day, hour after hour. I never imagined such an opening as one on August 20-21--there had to be records set, as I believe this opening was really widespread. What signals, and over a tough path! Anyway, it is hard to condense this report, but I'll try:"

August

- 9 Tr 1900-2400 WLYH-15 WNEP-16 WBRE-28 WDAU-22 WWPB-31 WVIA-44 WKBS-48 WSBA-43 WITF-33 WLVT-39 WHP-21 WTPA-27 WDCA-20 "& several PA xltrs"
- 10 1900-2400 "excellent opening: KATV-7 Little Rock AR, KFVS-12 unID-10 (mentioned eastern Texas in newscast), WTVW-7 WNIN-9 Evansville IN, WFIE-14 KOMU-8 KTVJ-16 KMTC-27 KINL-30 WHAS-11 WKGW-53 WCVN-54 WKZT-23 WLKX-18 WOBT-16 WTVQ-62 WKYT-27 WDRB-41 WKMR-38 WXIX-19 WKON-52 WKCF-22 WHIO-7 WRTV-6 WCET-48 WICS-20 WAND-17, Peoria U's, WICD-15 WLFI-18 WPTA-21 WCFC-38 WILL-38 WCAB-50 WHMB-40 WLS-7 WTAP-15 WOUC-44 WPBO-42 WNBO-45 WOUB-20 WKYH-57 WKPT-19 & many V's in Kentucky, Illinois, Indiana."
- 11 0600-0900 "excellent opening: WFIE-14 WICD-15 WOBT-16 WAND-17 WLFI-18 WLKX-18 WHIZ-18 WRAU-19 WICS-20 WPTA-21 WNDU-16 WKCF-22 WDHO-24 WEYI-25 WKYT-27 WSJV-28 WMBD-31 WKJG-33 WUHQ-41 WBRE-28 WDAU-22 WVIA-44 WNEP-16 and several translators. Evening super: 1800-2400 WKPT-19 Kingsport TN (snowfree), WSPA-7 Spartanburg SC, WDBJ-7 WSLS-10 WTVR-6 WSWP-9 Grandview WV, WOR-9 WBAL-11 WBWT-12 WBOY-12 WOWK-13 WCHS-8 WJZ-13 WCVB-23 WDCA-20 WETA-26 WRC-4 WTTG-5 WMAL-7 WTOP-9 WPHL-17 WKBS-48 WCAU-10 WPVI-6 KYW-3 WSVN-47 W41AA-41 (also WJET-24 noted on W41AA translator after WVU-24 sign-off) WDTV-5 WKMR-38 WKLB-46 WKHA-35 Hazard KY, WKYH-57 WTAP-15 WOPC-38 WWPB-31 WAPB-22 WTPA-27 WHP-21 WLYH-15 WSBA-43 WITF-33 WLVT-39 and many translators from Pennsylvania and New York--this tropes ran into next morning with N.Y.C. stations showing and more."
- 13 - 19 Tr "Tropes good through most of period--observing done almost every day 0700-0830 and 2100-2400. 400-500 mile tropes noted nearly every day with these seen: WCMU-14 WFIE-14 WANE-15 WICD-15 WOBT-16 WJAN-17 WTVQ-17 WLFI-18 WHIZ-18 WXIX-19 WUCM-19 WNDU-16 WNEP-16 WNPB-16 WNPI-18 WSTB-18 WUTR-20 WXON-20 WPTA-21 WHP-21 WTPA-27 WKAR-23 WKCF-22 WDAU-22 WSBT-22 WAPB-22 WWPB-31 WEYI-25 WHMB-31 WCIU-26 WFLD-32 WCFC-38 WSNS-44 WVIA-44 WOUB-20 WOUC-44 WNBO-45 WUHQ-41 WKMR-38 WQEX-16 WPGH-53 WOPC-38 WPBO-42 W41AA-41 WTAP-15 WICZ-40 WBJA-34 WENY-36 WSKG-46 W30AA-30 Elmira NY, WGTE-30 WKJG-33 WNIT-34 WSJV-28 WKBD-50 WTVS-56 WSPR-62 WBGU-57 W9AA-39 WHMB-40 WMTV-15 WRAO-49 Akron OH, & many V's to 400 miles."
- 20 Tr 0700-0900 "Normal run of V's and U's from Indiana, Ohio, Michigan, Pennsylvania--above normal signals--"  
1800-2400 "Evening, and continuing all night--terrific opening--southeast (very unusual here): U's and V's into North Carolina, Virginia, and along east coast--also open in all other directions. Snowfree signals--some local quality-- W14AA-14 Arlington VA, WHRO-15 WBOC-16 WLYH-15 WNEP-16 WNDU-16 WCCB-18 Charlotte NC, WDCA-20 WHP-21 WDAU-22 WAPB-22 WCVB-23 WHAG-25 WETA-26 WTPA-27 WYAH-27 Portsmouth VA, WRDU-28 Durham NC, WBRE-28 WSJV-28 WTAR-29 WWPB-31 WITF-33 WOPC-38 WCFC-38 WLVT-39 W41AB-41 Madison VA, W41AA-41 Wheeling WV, W42AC-42 Strasburg VA, WPBO-42 WSBA-43 WSBA-43 WVIA-44 W4AAA-44 Martinsburg WV, WBFR-45 WKBS-48 WNJM-50 W48AA-48 Grant County WV (WVU-24), WVPT-51 WNVT-53 WCVW-57 WHP-69 Fredericksburg VA, W59AC-59 New Market VA (WTOP-9), W63AB-63 Mansfield PA, W64AB-64 Susquehanna PA, W65AA-65 Canton PA, W61AB-61 New Market VA (WTTG-5), W70AS-70 Front Royal VA (WVPT-51), W74AB-74 Cobbs Creek VA (WCVB-23), W75AP-75 Oak Grove VA (WCVW-57), & also other U's seen: WPNE-38 Green Bay WI, WHIA-31 LaCrosse WI, WMTV-15 WUHQ-41 WCMU-14 WUCM-19 WEYI-25 WKAR-23 WBGU-57 WGTE-30 WANE-15 WQEX-16 WPGH-53 etc., and V's--WTAR-3 WRC-4 WTOP-9 WTTG-5 WOR-9 WBAL-11 WJZ-13 WAVY-10 Portsmouth VA, WVEC-13 Hampton VA, WTVR-6 WVPT-51 Durham NC, WNEU-5 KYW-3 WXXK-8 WTVR-6 WBRE-28 WCAU-10 etc."
- 21 "Continuing from night before (only took one hour break for sleep) --great opening continuing: WYAH-27 WETA-26 WDCA-20 WHP-21 WTPA-27 WSBA-43, Philly U's, WBFR-45 WLYH-15 WNEP-16 WTAP-15 WCMU-14 WDAU-22 WKPI-22 WAPB-22 WHAG-25 WITF-33 WOPC-38 WICZ-40 WUHQ-41 WPBO-42

## Bob Seybold (continued)

## August

- 21 Tr (continued from previous page) WVIA-44; V's: WCAU-10 WNEW-5 WTTG-5 WRC-4 WXXE-8 WTVR-6 WWBT-12 WITN-7 WHIO-7 WMAR-2 KYW-3 WTAR-3 WTOP-9 WAVY-10 WJZ-13 WOWK-13 WCHS-8 WVBC-13 and others--many translators." 1800-2400 "Evening tropes-- WKBS-48 W48AA-48 WSVN-47 WTVT-53 W44AA-44 W41AA-41 WOPC-38 WLVT-39 WSBA-43 WKMR-38 WKPI-22 WQEF-22 WHPB-31 WMPB-67 WJNT-52 WNYC-31 WJNM-50 WJNB-58 WPNE-38 WUC-44 Woub-20 WPHL-17 WTAP-29. V's: WSWP-9 WOWK-13 WCHS-8 etc."
- 22 "A.M.--all directions good--400 miles--very little observing done." 2000-2400 "Evening tropes--Chicago U's good; WMTV-15 WHLA-31 WPNE-38 WCHU-14 WTVO-17 KRIN-32 Cedar Rapids IA, WUCM-19 WKOW-27 WHA-21 WICS-20, Peoria U's, WUHQ-41 WTVT-18 WKBS-48 WDCA-20 WOPC-38 WKMR-38 W41AA-41 WTAP-15 etc., V's into Wisconsin, Michigan very good--WURT-12 WISN-12 WITI-6 WTMJ-4 & others."
- 23 0700-0900 "Trops good--Indiana, Ohio, Michigan, Pennsylvania U's." 1800-2400 "Evening--WBTE-68 WJNT-52 WJNB-58 WNYC-31 WHPB-31 WBPB-45 WHPB-67 WCDC-19 WTPA-27 WITF-33 WLVT-39 WSBA-43 WHP-21 WDCA-20 WETA-26 WOPC-38 WTVT-53 WKBS-48 WJNL-19 WVIA-44 WDAU-22 WNEP-16 WBRB-28 and translators on 26,30,41,44,48,46,59,56,60,62,63,64,65,66,71,72,73,76,81,82--WTAP-15(excellent) WSVN-47 WUC-44 WPRO-42."
- 24 0700-0900 "Fine opening: Ohio U's especially good-- WOSU-34, 28 Columbus (new) WKER-22 WCET-48 WTUB-14 (rare) WOBT-16 WTAP-15 WLTX-18 WHIZ-18 WATR-15 WCMU-14 WKYT-27 WKLY-32 WPGH-53, Elmira, Binghamton, Scranton U's, also W71A1-71 Stamford NY(WCNY-24), W30AA-30 Elmira NY, W80AK-80 Springville NY(WNED-17), W68AB-68 Ogdensburg NY(WUTR-20), W64AG-64 Lowville NY(WUTR-20) & others." 1800-2400 "Great opening--Indiana U's snow-free: WANE-15 WKJG-33 WPTA-21 W39AA-39 WNDU-16 WNIT-34 WSJV-28 WSBT-22. Also very good signals: WCPC-38 WSNS-44 WLFI-18 WCMU-14 WUCM-19 WEYI-25 WKAR-23 WIPB-49 WUHQ-41. Also weaker signals from: WTAP-15 W41AA-41 WNEO-45 WUC-44 WQEX-16 WPGH-53 WOPC-38 WPNE-38. Also many Ontario V's--CKNY-10, CKSO-5, etc."
- 25 0000-0900 "Excellent opening: WSBK-38 WLVI-56 WGTU-29 Traverse City snow-free--WCDC-19 WUTR-20 W30AA-30 W71AA-71(WSKG-46 translator) W80AK-80 W83AT-83 Cherry Valley NY(WCNY-24) W83AS-83 White Pine MI (a 100-watt WLUC-6 xltr at about 580 miles!! -bt) WCMU-14 WWTU-9 WCHL-6 Alpena MI, WWDU-10 WLUC-6 WMTV-15 WLFI-18 WTVO-17 WKAR-23 WEYI-25 WPGH-53 WTAP-15 CKNY-10 CKSO-5 CBFST-7 WPEN-7 CKNC-9 CRCP-12 CBLAT1-8 Manitowadge ON, CKCO4-11 Huntsville ON, CBOFT-9 CJOH-13 CBFST3-12 Elliott Lake ON, plus super signals from WNDU-16 WSBT-22 WSJV-28 WNIT-34 WUHQ-41 WANE-15 WPTA-21 WKJG-33 WSNS-44, many xlters. 2000-2400 "Evening tropes-- WNYC-31 New York City, W30AA-30 WNEB-30 WRLP-22 WSMW-27 WETK-33 WSEK-38 WHYN-40 WJNM-50 WLVI-56 WGBY-57 WATR-20 WCDC-19 WBGU-57 WGTB-30 WDHO-24 & more of usual run."
- 26 2100-2300 "Evening tropes-- WANE-15 WNDU-16 WQEX-16 WNEP-16 WJAN-17 WKAR-23 WEYI-25 WSJV-28 WPTA-21 WKJG-33 WUHQ-41 WBGU-57 WPGH-53 WUC-44 WNEO-45."

Jim Alexander 4 Brook Court Parsippany, New Jersey 07054 (EDT)

September 9 Tr 2345 WPRO-15 Hampton VA (280)  
9 Tr 1945 WBOC-16 Salisbury MD(180) 2350 WYAH-27 Portsmouth (295)  
WCPB-28 Salisbury MD(180) WCMC-40 Wildwood NJ (135)

"Had to leave immediately..."

"Also saw some DX while visiting Florida. On Aug. 7 (at Ken Simon's in W. Palm Beach), was surprised to see WJCL-22 at 2:30 in the afternoon! Before my visit was over, we also saw WJWJ-16 (SC), WJKS-17 over WLRN-17, and CCI from WJPM-33 (SC) on W33AA. The AC-4990 amp was most impressive. If that wasn't enough, there was some good skimp during a second visit to Ken's, and during a visit to John Combs' QTH. All in all, we circumvented the Law of Visiting DXers 3 times in a row! Many thanks to the Combs' and the Simons for their hospitality."

BICENTENNIAL BALONEY: Don't look now, but it seems that two channel 4 stations in the West have decided to celebrate the Bicentennial by adopting a new red, white, and blue logo. Unfortunately, both logos happen to be one and the same! We weren't aware of the similarity until Paul Gaines of Detroit sent the KOA photo to left, which was much like WTMJ (right). Keep watching...we may have three! --CWI



# CENTRAL TV-DX

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

Deadline: 12th

For the most part Es has left and in its place tropo dx has begun to show up. Several good days of tropo dx occurred during the last half of August.

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

8-10 Tr	1530	<u>KDNL-30</u>	St. Louis(305)	8-20 Tr	2225	<u>KDNL-32</u>	Waterloo(375)
	1556	<u>KSD-5</u>	" "		2240	<u>KWWL-7</u>	" "
	1600	<u>KNOX-4</u>	" "	8-21 Tr	1830	Erie U's(300)	
		<u>KTVI-2</u>	" "		2005	<u>WVU-24</u>	Morgantown(300)
		<u>KETC-9</u>	" "			<u>WPGH-53</u>	Pittsburgh(290)
	1615	<u>KPLR-11</u>	" "	8-22 Tr	0058	<u>CICO28-28</u>	Kitchener(300)
	1630	<u>KRIN-32</u>	Waterloo(375)		0100	<u>CKGN-6</u>	Paris(305)
	1800	<u>WKMA-35</u>	Madisonville(280)			<u>CBLFT-25</u>	Toronto(370)
			Evansville V's & U's(235)				(no sign of other Toronto stations)
	1900	<u>WMAV-18</u>	Oxford T		0120	<u>WNEM-5</u>	Bay City(210)
			(same offset as <u>WLFI</u> )		0800	<u>WNED-17</u>	Buffalo(375)
	1905	<u>WKMU-21</u>	Murray T		0815	<u>CBLFT-3-48</u>	Chatham(200)
	1930	<u>KTEJ-19</u>	Jonesboro(460)			<u>CICO-59</u>	" "
	2000	<u>WSVN-47</u>	Norton(325)		0830	<u>WUTV-29</u>	Buffalo(375)
	2005	<u>WKPT-19</u>	Kingsport(350)	Es	1730	<u>KMID-2</u>	Midland(1150)
	2230	<u>WKHA-35</u>	Hazard(290)		1745	<u>WBRZ-2</u>	Baton Rouge(800)
		<u>WKYH-57</u>	" "		1750	<u>KMOL-4</u>	San Antonio(1120)
	2308	<u>KMTC-27</u>	Springfield(500)		1802	<u>WEDU-3</u>	Tampa(930)
8-11 Tr	1900	<u>KET</u>	stations 23,35, 38,46 52,54		1825	<u>WTVJ-4</u>	Miami(1100)
	2000	<u>WKYH-57</u>	Hazard(snowfree)			<u>WDBO-6</u>	Orlando(900)
		<u>WSVN-47</u>	Norton(325)		1930	<u>KIII-3</u>	Corp. Chris.(1175)
	2005	<u>W73AO</u>	Whitesburg, Ky. 2055(310)			<u>KRGV-5</u>	Weslaco(1275)
	2020	<u>WKPT-19</u>	Kingsport(350)	8-23 Tr	0530	<u>WBRE-28</u>	Scranton(500)
	2230	<u>WKPI-22</u>	Pikeville(290)			<u>WJET-24</u>	Erie(300)
8-16 Tr	2140	<u>WRIP-61</u>	Chattanooga(415)		0545	<u>CICO28-28</u>	Kitchener(300)
	2200	<u>WTCI-45</u>	" "			<u>CBLFT-1-76</u>	" "
	2220	<u>WZTV-17</u>	Nashville(345)			<u>CBLFT-2-40</u>	London(260)
8-17 Tr	0550	<u>Unid-31</u>	S: "3 Stooges"; suspect WAAY-31. (I agree; I've seen them too; more than once-wd)		0558	<u>WVIA-44</u>	Scranton(500)
	0620	<u>WYUR-48</u>	Huntsville(440)	8-24 Tr	0535	<u>WSTV-9</u>	Steuensville(260)
	2200	<u>KRIN-32</u>	Waterloo(375)			<u>WTRF-7</u>	Wheeling(" ")
8-18 Tr	0555	<u>KFVS-12</u>	Cape Girardeau(340)		0540	<u>WHIZ-18</u>	Zanesville(200)
	0615	<u>KTHV-11</u>	Little Rock(575)			<u>WPGH-53</u>	Pittsburgh(290)
	1810	<u>WQAD-8</u>	Moline(275)		2130	Erie U's(300)	
	2200	<u>KRIN-32</u>	Waterloo(375)		2240	<u>WUTV-29</u>	Buffalo(375)
	2205	<u>KCBJ-17</u>	Columbia(390)	8-30 Tr	0600	<u>WEHT-25</u>	Evansville(235)
			(over <u>WAND</u> for 2 min.)		0625	<u>WYUR-48</u>	Huntsville(440)
	2215	<u>KDNL-30</u>	St. Louis(305)			<u>WAAY-31</u>	" "

know if WHMA-40 carries cartoons at this time of the morning?(not me--wd)

"Good tropo during the past few weeks has resulted in a barrage of new loggings. My total now stands at 251, 126 VHF and 125 UHF; respectively.

Had a most enjoyable time at the convention. It was a good opportunity to meet some very nice people. My special thanks to host Morrie Goldman."(Sorry I couldn't make it; from what I heard it was quite a gathering--wd.)

Michael Hogan; 9224 Cottage Grove Avenue; Highland, In. 46322

8-17 Tr 2230 WMVS-10 Milwaukee; Monte Pythons Flying Circus.  
8-18 Tr 1930 WHBF-4 Rock Island; Republican National Convention.

"Log is still suffering from the lack of any meaningful Es. Trops to the North have been so strong and numerous almost every day, that they are getting boring, simply because no new stations have been produced. Log here is at 9 states and 39 stations. Maybe this new location which is 5.6 miles South of

Hogan: continued---

my old one will remedy some problems. And would you believe a rotor is in the office. 73's and good dx to all."

Don Kuland: 448 68th Place, Kenosha, Wi. 53140 CDT

8-20 Tr 2030	WUAB-43(310)	8-23 Tr 0715	W46AB(430)	9-6 Tr 2200	W55AE(250)
	W46AB(430) T		WNEB-17(460)	2230	W72AJ(240)
8-21 Tr 0600	WKBN-27(380)		W26AA(440)		W76AI( " )
0605	London U's	0730	W64--(440)	2315	W75AE( " )
	(340)		Sherman, N.Y.	9-7 Tr 0500	WJW-8(330)
0623	WGH-53(430)		W72A(470)		WHAS-11(330)
0630	WJLT-24(400)	Great Valley, N.Y.		0517	WCML-6(280)
0632	CICA-19(430)		WXI-21 T	0520	KPLR-11(300)
0640	CELFT-25( " )	2230	CITY-79(430)	0525	WAVE-3(330)
0930	CITY-79( " )		CELFT-76(400)		WBS-10(320)
1000	WCNY-24(590)	8-24 Tr 0515	Columbus V's	0535	KMOX-4(300)
	WNEO-45(360)		(320)	0600	WLKY-32(330)
8-22 Tr 0500	CKSO-5(440)	0530	WCPO-9(300)		WKYT-27(360)
	CFCE-12(730)		WKRC-12( " )	0620	WAKR-23(340)
0515	WKEW-7(460)		WXIX-19( " )		WUAB-43(310)
0530	CKCO-13(400)	0545	WLKY-32(330)	0650	KMTC-27(470)
0535	CELFT-25(430)	0530	WHAS-11( " )	0655	WFIE-14(320)
0552	WYTV-33(380)	0600	WAKR-23(340)	0700	<del>WDTX-39</del> (830)
0605	WAKR-23(340)		WKEN-27(380)		(vy weak sig. but
Es 1747	WBRZ-2(870)	8-25 Tr 0615	WJET-24(400)		definite audio 1.d)
8-23 Tr 0600	WJET-24(400)		WSEE-35( " )		
	WSEE-35( " )	8-26 Tr 0630	WAKR-23(340)		Log total now at: 435
	London U's(340)	8-31 Tr 0624	WHO-13(310)		
	CICO-28-28(400)	9-3 Tr 0650	KINL-30(300)		As you can see I've
0605	WAKR-23(340)	0655	WAKR-23(340)		eliminated the location
	WYTV-33(380)		WOSU-34(320)		of each of the loggings
	WFLEJ-21( " )	9-4 Tr 0605	CELFT-40(340)		with the exception of
0700	WICN-27( " )	9-6 Tr 0915	WLKY-32(330)		a few xltrs. Any regular
0712	WICU-12(400)		WDRB-41( " )		reader of the VUD
		2100	WWUP-10(330)		shouldn't be inconvenient
					by this--wd

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

8-3 Es 1400	WEDU-3 Fl. 4422(994)	8-21 Tr 0131	WPEN-7 Mi. 4444(338)
8-4 Es 1600	WERZ-2 La. 4433(1020)	8-22 Tr 0800	WKBD-50 Mi. 3335(154)
8-8 Es 1630	KTEW-2 Ok. " (943)	0900	WTVS-56 Mi. " "
	1800 KCKT-2 Ks. 4533(1015)	8-23 Tr 0131	WJRT-12 Mi. " (195)
	1801 KLINE-3 We. 4433(1016)	0900	WANE-15 In. 1215(261)
8-11 Es 1901	WTHS or WPBT(missed call but got city)	0932	WKBD-50 3435 Mi. (154)
		0927	WMTV-15 Wi. 3445(477)
8-12 Tr 0203	WTAJ-10 Pa. 3444(144)	8-24 Tr 0700	WINDU-16 In. 1115(318)
	0210	0705	WTOL-11 Oh. 4522(185)
	WBOY-12 W.Va. 3445(195)	0800	WTFV-9 Mi. 4433(313)
	0227	0930	CKSO-5 Ont. 4533(313)
	WCAU-10 Pa. 2225(316)	2300	WINDU-16 In. 3425(318)
	0231	2330	WXON-20 Mi. " (154)
Es 1000	KQTV-2 Mo. 4533(779)	8-25 Tr 0809	WOTV-8 Mi. 3423(291)
	1929	1000	WKBD-50 Mi. 4545(154)
	KTWO-2 Wv. 4422(1322)	0829	WINDU-16 In. 2425(318)
8-20 Tr 0930	WCMD-14 Mi. 3445(262)		
	0628		
	WJRT-12 Mi. 4555(195)		
Es 1900	WERZ-2 La. 4422(1020)		
Tr 1905	CHNB-4 Ont. 4444(297)		

Log at: 266 with 213 verified

"I goofed. I had reported that I had received KPNE-9 North Platte on June 23. I thought I heard them say ch.9 & 10 North Platte, but it was Northland ch.9 & 10 which is WMTV Cadillac, Mi. I did not count it in my log until I was sure (it wasn't). It shows how careful we have to be in logging these distant stations. (I know, I've made that kind of mistake myself, unfortunately--wd)

August was a good month for me, the best in years, I guess thanks to my new rotor (the first I ever had). I got new ones in Aug. and some like WCAU and WTAJ I hadn't received in a long time." Frank goes on to comment on the verifies he received from WBOY-12 and WMTV-15--wd.

## Steve Rich: 707 Carson Ct., Kokomo, In. 46901 EST

8-17 Tr	1059	WFO-17	Rockford(200)	8-24 Tr	0931	CICO-32	Windsor(208)
	1100	KRIN-32	Waterloo(355)		0945	CHLFT-2-40	London I
	2106	WBHE-4	Rock Island(240)		0946	CKGN-29	Oil Springs
	2200	WHA-21	Madison(248)		0947	CKCO-3-42	Oil Springs
		WSVN-47	Norton(325)		0949	CICO-28	Kitchener
	2232	WKHA-35	Hazard(280)		1122	WUAB-43	Cleveland 5555(245)
8-18 Tr	0700	KMTC-27	Springfield(445)		1123	CKGN-1-22	Cottam
8-23 Tr	2356	WKRN-27	Youngstown(238)		1130	WKYC-3	Cleveland 4544 "
8-24 Tr	0000	WPHG-53	Pittsburgh(330)	9-7 Tr	2205	WENS-10	Columbus 4444(165)
	0030	KIIN-12	Iowa City(290)		2223	WSTV-9	Steubenville 1222 (290)
		KRIN-32	Waterloo(355)				
	0930	WUTV-29	Buffalo(415)		2230	WTRF-7	Wheeling 2332(288)

Log total now at: 175

## Jim Gould: R.R.#3, Kokomo, In. 46901 EST (317)-452-9587

8-21 Tr	0550	WBRC-8	N.Y. 4030(472)	8-21 Tr	0215	WCDC-19	Ma. 3523(685)
	0618	WBNB-30	Ct. 1325 T		0226	WTNH-10	N.Y. 3535(647)
	0630	WBRE-28	Pa. 2523(537)		0300	W46AB	N.Y. 1325(370)
	0635	Unided-35;	East 1525		0330	WTNH-8	Ct. 3525(690)
	0659	WTCN-11	Mn. 3533(480)		0500	WENH-12	N.Y. 1535(537)
8-22 Tr	0605	CICA-19	Ont. 2523(410)		0501	WKBW-7	N.Y. 5531(404)
Es	2143	KENW-3	Portales T		0532	CICA-19	Ont. 2523(410)
8-23 Tr	0627	WBRE-28	Pa. 3513(537)	8-17 Tr	0550	WAAV-31	Al. 3535(410)
		WVIA-44	" 2515 "			WHNT-19	Al. 3532 "
	2230	Unided-24;	MW			WKPT-19	Tn. 4534(346)
	2359	WBRE-28	Pa. 0520 "		0557	CICO-33	Ont. (470)
8-24 Tr	2233	WUTV-29	N.Y. 3523(404)		0610	Des Moines	V's(390)
	2255	WBRE-28	Pa. 4521(537)		0614	WHTV-24	Ms. T
8-30 Tr	0635	WHMA-40	Al. 5535(482)		0618	WBBJ-7	Tn. 4522(378)
	0705	Huntsville	U's(410)		0700	WBMG-42	Al. 2524(490)
	0707	WBMG-42	Al. 2523(490)		1900	Huntsville,	Des Moines,
8-31 Tr	0640	WBRE-28	Pa. 2525(537)			Norton & Ashville	(WLOS).
9-3 Tr	0617	"	" 4533 "		2306	KOLA-10	Mo. 5522(445)
		WVIA-44	" 3525 "		2317	KLAA-14	La. 3020 T
	0622	WTAF-29	" " (573)		2326	WHMA-40	Al. 3535(482)
	0745	WKBS-48	" 3522 T	8-18 Tr	0241	KATV-7	Ar. 4523(520)
	0755	WSBA-43	" 2525 "		0252	WBQC-13	Tn. 3525(438)
	1720	WBRE-28	" 3010(537)		0300	KTUL-8	Ok. 4534(613)
	1900	WASK-46	N.Y. 3524 "		0545	KTJV-16	Mo. 3525(515)
	1930	WBAO-49	Oh. 0530(245)		0750	KTEJ-19	Ar. 3523(417)
	1935	WENY-36	N.Y. 3524(490)		0805	KHMA-41	Mo. " (458)
	1947	WVTA-41	Vt. 2521(727)		0845	KDOG-26	Tx. 2525 T
	2104	Unid-73;	hockey; EENE		0850	WJET-24	Pa. 5531(388)
	2112	WCDC-19	Ma. 3523 T		0900	KTHV-11	Ar. 5522(520)
	2117	WLVI-56	Ma. 3524(785)		0918	KDOG-26	Tx. snow free over
	2244	CHLFT-25	Ont. 3523(410)			WCUI.	
8-18 Tr	2156	KHIN-36	Ia. 2523(473)		0920	KHTV-39	Tx. 2424(910)
	2230	KDIN-11	" 4523(390)				Cond are excellent from Erie
		KMEG-14	" 3534(540)				to Houston. If the dxers in the
8-19 Tr	0700	Des Moines	V's(390)				Erie-Buffalo area would have
	0724	Unided-24;	NW 2031				listed their phone nos. I would
Es	1640	KSL-5	Salt Lake(1365)				have alerted them to the extent
	1730	KTWO-2	Casper(1090)				of this opening.
Tr	1932	KHIN-36	Ia. 2522(473)	8-10 Tr	0006	Unid-27;	SW. Sounded like
	1939	KMEG-14	" 3513(540)			KDVT.	Same offset as WKDOW.
8-20 Tr	0117	WTCN-11	Mn. 0520(480)		0044	EDNE-12	Mo. (515)
	0119	WDIO-10	" 3524(523)		0046	Unid-9;	ad for KMDZ radio.
	0146	CKNY-8	Ont. 4524(335)		0104	WTWV-9	Ms. 3522(464)
	0209	KELO-11	S.D. 1423(587)		0112	WREC-3	Tn. (438)
	0630	WBRE-28	Pa. 2533(536)		0545	KAIT-8	Ar. 3423(417)
	0650	KEYC-12	Mn. 3522(463)		0547	KNOE-8	La. 4522(650)
	2159	WTPA-27	Pa. 4524(483)		0555	KTJV-16	Mo. 3535(515)
	2022	WENY-36	N.Y. 1434(490)		0556	WBBJ-7	Tn. 4533(378)
8-21 Tr	0102	WICZ-40	" 3524(537)		0558	WDWL-15	Al. 1535(405)
	0124	WTAJ-10	Pa. 5522(425)		0603	KTHV-11	Ar. 5534(520)
	0129	WVIA-44	" 2525(537)		0639	KODE-12	Mo. 5532(515)
	0152	CKVR-3	Ont. 3534(417)		0730	WTWV-9	Ms. 4523(464)
	0204	W26AA	N.Y. 2525(370)		0742	KTEJ-19	Ar. 3534(417)

Gould; continued---

8-10 Tr	1030 WMAO-23 Ms.	4524(543)	8-9 Tr	0700 KMTG-27 Mo.	5534(445)	
	1830 KTHV-11 Ar.	5531(520)		WHD-13 Ia.	4030(390)	
	1900 KTEJ-19 Ar.	5524(417)		2229 KOLR-10 Mo.	5531(445)	
	2100 WBMG-42 Al.	2522(490)		KTHV-11 Ar.	4533(520)	
	2110 WFIQ-36 Al.	3524 $\frac{T}{I}$		2245 WHLA-31 Wi.	3534(339)	
	2220 WRET-36 N.C.	1321 $\frac{T}{I}$		2250 KLAJ-14 La.	2020(650)	
8-11 Tr	Vy strong sigs from St. Louis			2258 KATV-7 Ar.	5532(520)	
	East to Norton, all eve.			2311 WMAA-29 Ms.	2525(620)	
	2220 KAIT-8 Ar.	5030 $\frac{T}{I}$		2332 KDOG-26 Tx.	1525(910)	
	2235 KDOG-26 Tx.	2520(910)		2348 KHTV-39 Tx.	2525 "	
8-12 Es	2030 KWGN-2 Denver, Co.	(1000)	7-30 Tr	1930 WBMG-42 Al.	2513(485)	
	2058 KTDW-2 Casper, Wy.	(1090)		2100 WAAV-31 Al.	2513(410)	
8-16 Tr	0630 Des Moines V's	(390)		2230 WTVK-26 Tn.	3523(346)	
	1930 WLOS-13(400) over WTHR		8-2 Es	1530 WLBZ-2 Bangor $\frac{T}{I}$		
	2050 WAAV-31 Al.	3533(410)		WCAX-3 Burlington	(712)	
8-8 Tr	0822 KMTG-27 Mo.	2532(445)		1630 WBZ-4 Boston	(785)	
	0830 KTSB-27 Ks.	2522(510)		1640 WFSB-3 Hartford	(704)	
Es	1451 WSAV-3 Savannah	(655)		2000 KTVQ-2 Billings	(1220)	
	1610 KEFE-2 Nuevo Laredo	(1180)		KOTA-3 Rapid City	(940)	
	1730 KCKT-2 Great Bend	(695)	8-4 Es	1545 WPBT-2 Miami	(1090)	
	KENW-3 Portales	(1035)		1550 ICR-6 Cuba	(1200+)	
	1800 KACB-3 San Angelo	(1020)	8-5 Es	1900 WPBT-2 Miami	(1090)	
Tr	1850 WOI-5 Ames	3531(410)	8-7 Tr	0800 KMTG-27 Mo.	4534(445)	
	1900 KDIN-11 Ia.	3522(390)		KOLR-10 Mo.	5531 "	
	1930 KMEG-14 Ia.	3534(540)		Es	1700 CBHT-3 Halifax	
	2030 KHIN-36 Ia.	1025 $\frac{T}{I}$		8-8 Tr	0025 KDIN-11 Ia.	2533(390)
	2055 KRMA-41 Mo.	2020 $\frac{T}{I}$		0032 KTUL-8 Ok. thru WISH	$\frac{T}{I}$	
	2319 KMTG-27 Mo.	3533(445)		0052 KODE-12 Mo.	2522(515)	
8-9 Tr	0553 KNOE-8 La.	0520(650)		0120 KELO-11 S.S.	2423(594)	
	0622 KTHV-11 Ar.	2521(520)				
	0659 KOLR-10 Mo.	5531(445)				

Log total now at: 579

Cyril P. Schauer; 253 Montgomery, E. Dubuque, Ill. 61025 CDT

8-2 Es	0345 WCBS-2 N.Y.	3322(800)	8-17 Tr	0231 KRCC-13 Mo.	4333(290)
	1430 WDIQ-2 Al.	" (910)		1700 WSBT-22 In.	3333(250)
8-5 Es	0200 WMBR-2 Md.	3222(750)		1750 WFLI-18 In.	3223 "
8-10 Tr	0104 KDWL-30 Mo.	4444(265)		1800 WICS-20 IL.	4322(190)
8-12 Es	1330 KRGV-5 Tx.	3333(1210)	8-19 Tr	0255 WHBQ-13 Tn.	4333(505)
	1400 KRIS-6 Tx.	3222(1100)		0300 KATV-7 Ar.	3333(545)
	WCSC-5 S.C.	" (880)		0618 WPSD-6 Ky.	3222(475)
	1401 Unided-3; Spanish			0630 WISH-8 In.	3322(300)
Tr	2258 WENS-44 IL.	3333(165)		WLWI-13 In.	3333 "
	2300 WCFC-38 IL.	2322 "	9-4 Tr	0550 WAVE-3 Ky.	4433(425)
	2309 WNDU-15 In.	2222(250)		0558 WLKY-32 Ky.	3333( " )
	2330 Unided-27; Spanish			0600 WLWI-13 In.	4433(300)
	doctor show.			0601 WISH-8 In.	4432( " )

"Not a bad month after all, with only 7 days of dx activity I received 13 new stations. My log total now is 163 stations and 35 states. (Note-as of Sept. 12 at 1800 KDOB-40 will return to the air after a two year absence. "I saw them on the 13th and every day since--wd.)

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

8-9 Ms	0415 WCBS-2 N.Y.	2512(490)	8-12 Tr	0134 WDWK-13 W.Va.	1522(280)	
Tr	0612 WOVK-13 W.Va.	1531(280)		Ms	0447 WCBS-2 N.Y.	2512(490)
8-10 Ms	0307 WCBS-2 N.Y.	3513(490)	8-13 Ms	0333 WNL-4 La.	1112(940)	
8-11 Tr	0147 WICD-15 IL.	1032(305)		0358 WCBS-2 N.Y.	1012(490)	
	0445 WNGE-2 Tn.	3531(475)	8-14 Ms	0401 WNL-4 La.	" (940)	
	0447 CBHT-2 P.Q.	3032(515)		0404 WCBS-2 N.Y.	" (490)	
Ms	0449 WCBS-2 N.Y.	3012(490)	8-15 Ms	0403 " " "	" "	
Tr	0559 WTVS-5 Tn.	3531(475)		0425 WNL-4 La.	" (940)	
	(ex-WLAC)		Tr	0427 WSAZ-3 W.Va.	1332(280)	
	0646 WLEX-18 Ky.	1522(305)	8-16 Ms	0522 WCBS-2 N.Y.	1012(490)	
	0655 WKYT-27 " "	" "	8-17 Tr	0000 WKPT-19 Tn.	1522(405)	
	0702 WTVQ-62 " "	1022 "		0232 WDTV-5 W.Va.	1022(270)	
	0900 WXXI-21 N.Y.	1533(280)		Ms	0405 WNL-4 La.	1012(940)

Gaines; continued---		8-21	Tr	0859	WHBC-10 N.Y.	1531(280)
8-17	Ms	0405	WNL-4 La.	1012(940)		
		0438	WCBS-2 N.Y.	" (490)		
	Tr	0856	WXXI-21 "	1522(280)		
		0900	WHOC-8 "	3532 "		
		0929	WKRR-13 "	3531 "		
		0953	W46AB "	1532(180)		
		2320	WAND-17 Il.	1522(340)		
		2337	KINL-30 Mo.	" (450)		
8-18	Tr	0015	WICS-20 Il.	" (375)		
		0108	KMTC-27 Mo.	" (630)		
		0040	KOLR-10 "	1531 "		
		0111	WKYT-27 Ky.	1532(305)		
		0153	WICD-15 Il.	1522 "		
		0205	KFVS-12 Mo.	" (475)		
		0325	KWVL-7 Ia.	" (450)		
	Ms	0438	WCBS-2 N.Y.	1012(490)		
	Tr	0453	KMOX-4 Mo.	1022(450)		
		0637	WHBC-10 N.Y.	" (280)		
		0703	WHOC-8 "	1521 "		
		0832	WMUL-33 W. Va.	1531 (")		
		0835	WOWK-13 "	2031 "		
		0931	WXXI-21 N.Y.	1521 "		
		2311	WTVO-17 Il.	1022(300)		
		2350	WILL-12 Il.	2521(305)		
8-19	Tr	0208	WICS-20 Il.	1022(375)		
		0331	KCRG-9 Ia.	2522(415)		
		0347	KWVL-7 Ia.	" (450)		
		0354	WREX-13 Il.	1522(300)		
		0407	CKSO-5 Ont.	1312 "		
	Ms	0438	WCBS-2 N.Y.	1012(490)		
	Tr	0756	W26AA "	1532(195)		
		0758	W46AB "	" (180)		
		0900	WXXI-21 "	1531(280)		
		0904	WHOC-8 "	2521 "		
		0907	WKRR-13 "	3531 "		
		0928	WICD-15 Il.	1032(305)		
8-20	Tr	0141	" "	1521 "		
		0148	KMTC-27 Mo.	2522(630)		
		0250	KMOX-4 "	1022(450)		
		0420	CBFST-1-13 Ont.	" (300)		
		0410	CBFST-3-12 "	1531(280)		
		0426	WBAY-2 Wi.	1032(275)		
	Ms	0528	WCBS-2 N.Y.	1012(490)		
	Tr	0756	W46AB "	1533(180)		
		0800	W26AA "	1522(195)		
		0802	WXXI-21 "	1543(280)		
		0803	WKRR-13 "	4542 "		
		0804	WHBC-10 "	4543 "		
		0805	WHOC-8 "	4511 "		
		0929	WLEX-18 Ky.	1533(305)		
		0930	WKYT-27 "	1522 "		
		0934	WKLE-46 "	1022 "		
		2254	WNFP-16 Pa.	2532(385)		
		2258	WVIA-44 "	1532 "		
		2315	WBRE-28 "	1521(380)		
8-21	Tr	0006	WMTV-15 Wi.	1522(315)		
		0023	WKOW-27 "	" "		
		0041	WTVO-17 Il.	1022(300)		
		0054	WICZ-40 N.Y.	1522(365)		
		0234	KCRG-9 Ia.	1534(415)		
		0314	WDIO-10 Mn.	1022(530)		
		0350	WSAZ-3 W. Va.	" (280)		
	Ms	0424	WNL-4 La.	2212(940)		
		0435	WCBS-2 N.Y.	" (490)		
	Tr	0446	CJOH-1-6 Ont.	2022(340)		
		0857	WXXI-21 N.Y.	1232(280)		
		0332	CJOH-1-6 Ont.	1022(340)		
		0341	CKSO-5 Ont.	2532(300)		
		0343	CKSO-3-11 Ont.	1531(355)		
		0348	CKNY-10 Ont.	1522(325)		
		0357	CBFST-1-13 Ont.	2533(300)		
		0431	CBFT-2 P.Q.	4043(515)		
		0434	WSAZ-3 W. Va.	1531(280)		
	Ms	0508	WCBS-2 N.Y.	1121(490)		
	Tr	0828	WXXI-21 "	1522(280)		
		0840	W26AA "	1022(195)		
8-23	Tr	0016	WXXI-21 "	1532(280)		
		0044	WDCD-19 via TVO	5555 "		
		0125	WKRR-13 N.Y.	1543(280)		
	Ms	0538	WCBS-2 "	1012(490)		
	Tr	0758	WMTV-15 Wi.	5555(315)		
		0807	W26AA N.Y.	1533(195)		
		0822	W46AB "	1022(180)		
		0840	WTVO-17 Il.	1322(300)		
8-24	Tr	0142	WOWK-13 W. Va.	1523(280)		
		0211	WLUK-11 Wi.	1033(275)		
		0323	CKSO-5 Ont.	1532(300)		
	Ms	0346	WCBS-2 N.Y.	1112(490)		
	Tr	0740	WTAJ-10 Pa.	2531(2531)		
		0828	WLKY-32 Ky.	1555(310)		
		0838	WLEX-18 "	1032(305)		
		0839	WKYT-27 "	" "		
		0858	WKMJ-68 "	1022(310)		
		0900	WDRB-41 "	1032 "		
		0916	WCVM-54 "	1022(240)		
		0928	WOPC-38 Pa.	1222(275)		
		1010	WUTR-20 N.Y.	2522(400)		
		1019	W26AA "	1022(195)		
		1020	W46AB "	3522(180)		
8-25	Tr	0000	" "	1532 "		
			W26AA "	" (195)		
		0010	W64--	1022(180)		
		0123	WOWK-13 W. Va.	1522(280)		
		0142	WMBD-31 Il.	1533(345)		
		0147	WEEK-25 "	1534 "		
		0148	WRAU-19 "	1534 "		
		0238	CKSO-5 Ont.	1532(300)		
		0239	CKNY-10 "	1522(325)		
		0243	CBFST-7 "	1032(320)		
		0315	CJOH-1-6 "	" (340)		
	Ms	0419	WCBS-2 N.Y.	1012(490)		
	Tr	0938	WXXI-21 "	2544(280)		
8-26	Tr	0127	WOWK-13 W. Va.	1532(")		
	Ms	0419	WCBS-2 N.Y.	1012(490)		
8-27	Tr	0125	WOWK-13 W. Va.	1522(280)		
	Ms	0403	WCBS-2 N.Y.	1012(490)		
		0404	WNL-4 La.	" (940)		
8-28	Ms	0431	WCBS-2 N.Y.	" (490)		
8-29	Ms	0413	" "	" "		
	Tr	0443	WSAZ-3 W. Va.	1022(280)		
8-30	Ms	0347	WCBS-2 N.Y.	1012(490)		
	Tr	0901	WMBD-31 Il.	1532(345)		
		0913	WRAU-19 "	1022 "		
8-31	Ms	0342	WCBS-2 N.Y.	1012(490)		
	9-1 Ms	0340	" "	" "		
	9-2 Ms	" "	" "	" "		
	9-3 Tr	0125	WOWK-13 W. Va.	1521(280)		

Gaines; continued---

9-3 Ms 0508 WCBS-2 N.Y. 1012(490)  
 Tr 0821 WXXI-21 " 1533(280)  
 0828 W46AB " 1022(180)  
 0831 WUTR-20 " 1523(400)  
 0834 W26AA " 1522(195)  
 0840 WVIA-44 Pa. 1522(385)  
 0845 WDAU-22 " " "  
 0846 WNEP-16 " 2522 "  
 0849 WBRE-28 " 1531(380)  
 0857 WTAP-29 " 2533(440)  
 2305 WICZ-40 N.Y. 1532(365)  
 2308 WSKG-46 " 1032 "  
 2309 WBJA-34 " 1221 "  
 2327 WENY-36 " 1522(320)  
 2328 WSYE-18 " 1532 "  
 9-4 Tr 0156 WOWK-13 W.Va. 1022(280)  
 0206 WFIE-14 In. " (375)  
 0250 WCAU-10 Pa. " (440)  
 Ms 0423 WCBS-2 N.Y. 1012(490)  
 Tr 0430 WSAZ-3 W.Va. 1022(280)  
 Ms 0435 WWL-4 La. 1012(940)

9-4 Tr 0832 WRAU-19 Il. 1022(345)  
 0833 WMBD-31 " " "  
 9-5 Tr 0435 WSAZ-3 W.Va. " (280)  
 Ms 0439 WCBS-2 N.Y. 1012(490)  
 9-6 Tr 0632 WOWK-13 W.Va. 1022(280)  
 9-7 Tr 0130 " " 1521 "  
 0248 CKNY-10 Ont. 1533(325)  
 Ms 0503 WCBS-2 N.Y. 1012(490)  
 Tr 0510 WJAC-6 Pa. 4543(260)  
 0626 WCHS-8 W.Va. 3052(290)  
 0640 WBOY-12 " 1031(260)  
 0801 W46AB N.Y. 1422(180)  
 0907 W26AA " 1022(195)  
 0928 WXXI-21 " 3544(280)  
 1006 WKYT-27 Ky. 1022(305)  
 1010 WKLE-46 " " "  
 1011 WLEX-18 " " "  
 1015 WKPC-15 " " (310)  
 1038 WDRB-41 " " "  
 9-8 Tr 0123 WOKK-13 W.Va. 2534(280)  
 Ms 0505 WCBS-2 N.Y. 3512(490)  
 Tr 0831 W26AA " 1032(195)  
 Log total now at: 292

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

8-10 Tr 0730 WRBT-33(768) 8-17 Tr 1959 CKCO-42  
 0750 WLPB-27 " 2015 CBLFT-40  
 0800 WCFT-33 8-18 Tr 0540 CICO-32  
 8-12 Ms 0515 WCIV-4 0541 WFMJ-21  
 Es 1400 KDFW-4 0544 WYTV-33  
 8-13 Ms 0455 WECT-6 0607 KTHV-11  
 8-14 Ms 0425 KYW-3 T (state #43)  
 0542 WTTG-5 0610 KTAL-6  
 8-16 Tr 2104 WUNF-33 0616 KSLA-12  
 2259 WHWC-28 0628 KNOE-8  
 8-17 Tr 0533 WDWL-15 0633 KDOG-26(864)  
 0600 WAAV-31(480) 0634 KHTV-39 "  
 0900 WTCI-45 0659 KLAA-14  
 1130 WRFT-36(648) 0700 KFPW-40(480)  
 1138 WTVI-42 " 0732 WLAC-5  
 1201 WUNB-17 (now WTVF--wd)  
 Log total is now at: 401  
 8-18 Tr 0805 KATV-7  
 0859 KETS-2  
 1035 KDOG &  
 KHTV almost gone.  
 8-20 Tr 0915 WUTV-29(584)  
 8-21 Tr 0015 CBLFT-48  
 0016 CICO-59  
 0029 WICZ-40(724)  
 8-24 Tr 0555 WTVN-6  
 0559 WTAP-15  
 0600 WSTV-9  
 0900 WPGH-53  
 0959 W24AB  
 8-30 Tr 0740 WKPC-15  
 9-6 Tr 1059 WTVK-26(484)  
 1123 WBIR-10 "  
 9-7 Tr 0610 KXTX-39  
 0715 WWVU-24

"This has been an extremely busy reception period with 274 stations being received of which 44 were new stations. It seemed as though everything I received was new and at record distances. On many occasions after looking at weather maps and hunches that tropo would be in, I was amazed at the number of stations that were coming through in the 4-6 a.m. time period. On Sept. 6, I received WKPT-19, WXLX-19 and WBNT-19 all before WRAU-19 began transmitting. Those Huntsville stations sure love to run early morning cartoons.

On Sept. 1 I had a visit from the Zenith mobile lab. Zenith brought two engineers and two sales people in response to a selectivity problem I am having with new Zenith transistor tv. They brought an \$8,000 Tektronics spectrum analyzer which they used to measure the area signals and also installed two new tuners and i.f. modules which they speeded out in lab. New tuners and i.f. improved selectivity but still quite as much as I envisioned. Engineers took data back with them and should have recommendations back within the near future.

I wish to thank Morrie Goldman for the fine job he did in organizing convention in Chicago. I met many friendly dxers at the convention.

Here is a short note about Perseids meteor shower in August--I thought there were very few bursts and generally of low quality. However, as with everything I received this reporting period, of the half dozen or so stations that I received, two were new."



<u>Randall Clark: Rt. 5 Dutch Ridge, Parkersburg, W. Va. 26101 EDT (304)-422-2923</u>	
8-6 Es 1145 WLBZ-2 Bangor, Me. 1242 CKCW-2 Moneton, N.B.	8-20 Tr WVIA-44 Scranton Tent. CBLFT-25 Toronto, Ont. WHAG-25 Hagerstown, Md.
8-8 Es Early p.m. WEDU-3 over WSAZ-3.	8-21 Tr 0120 Unided-28; 3/4 cb w/ tone
8-10 Tr 2100 WICD-15 Danville, IL. All K.E.T. stations in at same time plus unideds.	8-22 Tr CBLFT-25 Toronto, Ont.
8-11 Tr 1630 Ham repeater activity from Columbus, Oh. Most Ohio U's in. at 1900. Unided-14; I.D.ed as "your in 14 country." "Newsland" on 14 at 2200. 2000 WKZT-23 Elizabethtown 2230 WSWN-47 Norton 2300 WKSO-29 Somerset WIPB-49 Muncie Also, WICD & WICS in.	8-23 Tr 1900 WMUB-14 Oxford WKLE-46 Lexington WBGU-57 Bowling Green WNEO-49 Akron WIPB-49 Muncie WPGH-53 Pittsburgh
8-12 Tr 0930 WKAS-25 Ashland	8-25 Tr 2120 WGTB-30 Toledo Unided-56; possible Kentucky xltr.
8-16 Au or Te "Noted some wierd type of transequatorial scatter whatever that is or Au which I do know...anyway it was here shimmering at 1600." (probably Au; doubt if it was Te--wd) Tr Opening to Mo. (new state) (KFVS)	8-26 Tr Early p.m. WWVU-24 Morgantown 9-3 Es 1729 Cuba ch.2. WEDU-3 Tampa Tent. 1815 Tele Rebelde ch.3 Cuba 1756 Cuba ch.6
8-17 Tr 0315 KPLR-11 St. Louis	9-7 Tr Same stuff as seen on 8-25 in early a.m. 1043 WILL-38 Terre Haute w/ccl from WKMR-38 2156 CKCO-3-42 Oil Springs w/ccl from WPBO-42
	9-8 Tr 0115 CKGN-22 (which one-wd) w/tp Unided xltr on ch.76. 1040 WSNS-44 Chicago 2130 CKCO-3-42 Oil Springs.
<u>William J. Draeb: Ellis St. R.R.#2, Kewaunee, Wi. 54216 CDT</u>	
8-23 Tr 2345 KINL-30(432)	8-30 Tr 1958 WOSU-34(395)
8-24 Tr 0623 WSEE-35(405)	Cleveland U's(355)
WJET-24 "	8-31 Tr 0647 KINL-30(432)
WAKR-23(380)	9-1 Tr 0742 " "
CBLFT-1-76(340)	9-2 Tr 1942 WKPC-15(437)
Youngstown Us (420)	WLKY-32 "
0830 KINL-30(432)	WDRB-41 "
KBMA-41(525)	WFYI-20(336)
KMTC-27(589)	WEHT-25(420)
0840 CBLFT-40(328)	WMUL-33(498)
WUAB-43(340)	WOSU-34(395)
2035 WUTV-29(445)	1952 WKAS-25 T
2043 WQLN-54(405)	2011 WKYT-27(473)
8-25 Tr 0653 CICO-24(583)	WKSO-29(538)
(gone by 0700)	2033 WVIR-29 T
CICO-28(340)	2122 Youngstown U's(420)
CBLFT-25(410)	Dayton U's (368)
1958 Youngstown U's(420)	Cleveland U's(355)
8-27 Tr 0800 WKPC-15(437)	2146 Kitchener U's (340)
WLKY-32 "	CBLFT-25(410)
WDRB-41 "	CICA-19 "
WTIU-30(376)	WNEO-17(445)
WEHT-25(420)	2204 WUTV-29 "
0842 WLEX-18(473)	2231 KHIN-36(457)
WKYT-27 "	2244 WWVU-24(513)
WTVQ-62 "	9-3 Tr 0524 KSFY-13 T
WXIX-19(400)	0525 WCHS-8(525)
WCET-48 "	0547 WJET-24(405)
WIPB-49(319)	WAKR-23(380)
8-29 Tr 1926 KINL-30(432)	9-4 Tr 2137 KINL-30(432)
8-30 Tr 0800 "	9-5 Tr 1939 KGIN-27(463) T
1953 WUTV-29(445)	9-6 Tr 0530 WEHT-25(420)
WAKR-23(380)	WAAV-31(685)
WFMJ-21(420)	WLKY-32(437)
WKBN-27 "	0540 WHNT-19(685)
1958 WYTV-33 "	
	9-6 Tr 0540 WXIX-19(400)
	0548 WKYT-27(437)
	0551 WLEX-18(473)
	0556 WYUR-48(685)
	0611 WFIE-14(420)
	0618 KFVS-12(512)
	WGEM-10(373)
	0823 WDRB-41(437)
	1234 WTVK-26(626)
	WKSO-29(538)
	1242 WKHA-35(551)
	1246 WKLE-46(473)
	WTVQ-62 "
	WCET-48(400)
	1657 W55AE(140)
	(repeating WLUC and WCML)
	9-7 Tr 0727 WXIX-19(400)
	WJET-24(405)
	WMUL-33(498)
	WKYT-27(473)
	KMTC-27(589)
	KCBJ-17(450)
	WLKY-32(437)
	0738 KINL-30(432)
	WTIU-30(376)
	0800 WEHT-25(420)
	WKSO-29(538)
	1957 WUTV-29(445)
	9-8 Tr 0707 Youngstown U's(420)
	WPGH-53(480)
	WWVU-24(513)
	0737 WJET-24(405)
	0743 WCET-48(400)
	WXIX-19 "
	WCVN-54(407)
	WKON-52(437)

# Memorabilia

Robert J. Williams  
251 6th Avenue East  
Twin Falls, Idaho 83301

Deadline: 12th of each  
month

Hello, everybody. Since this is my first column of "Memorabilia", our "nostalgia" column in the VUD, I'll briefly introduce myself. My name is Robert J. Williams, I'm 36 years old, and have been a member of WTFDA since August, 1968.

This month, our first contribution to "Memorabilia" comes from Clarke W. Ingram of Pittsburgh, Pa., who sends in an old QSL of WMBR-4 (now WJXT 4) in Jacksonville, Florida, which was received by Mr. A. H. Ellis in 1950:

## WMBR

5000 WATTS — 1460 K. C

FRANK KING, President  
GLENN MARSHALL, Jr., Gen. Mgr.



### FLORIDA BROADCASTING CO.

605 SOUTH MAIN ST. - P. O. BOX 5167

JACKSONVILLE 7, FLORIDA

Mr. A.H. Ellis  
19 McClure Ave  
Branford, Conn.  
Dear Viewer;

July 25, 1950

We were most surprised and pleased to receive your letter reporting long distance reception of WMBR-TV. So far, we have received many letters from South Dakota, Minnesota, Wisconsin, Michigan, Illinois, Iowa, New York, Massachusetts, Canada, Missouri, Georgia, South Carolina and Nebraska. Each letter is greatly appreciated as we are keeping a chart of all reported receptions.

Our transmitter is located about a mile from downtown Jacksonville on the South shore of the Saint Johns River. The antenna is a three bay G. E. type and stands 480 feet. All the transmitting equipment is manufactured by General Electric with the exception of the field camera chain which we use on remote pickups and that is Dumont. Our power is 14.8 KW visual and 7.4 KW aural.

There are only two television stations in the State of Florida; the second is located in Miami and is also on channel 4.

Many viewers have inquired as to why they are receiving long distance television. This is due to sporadic skip distances caused by weather conditions, climate, temperature etc.

We telecast each day from 1:00 pm EST to 3:00 pm EST with test pattern and then our regular programming starts at 6:00 pm EST and lasts until 10:00 pm EST.

Thanks very much for your letter and may I in closing hope that you will again view WMBR-TV from Jacksonville.

Very truly yours,

Add Maine, Conn., New Hampshire,  
New Jersey, Kentucky, Texas  
and Arkansas to the list.

*Dorothy M. Page*  
*Studio Eng.*

Thank you very much, Clarke. Keep 'em coming, guys!!! 73s, gud DX,

*Bob*

# THIS IS YOUR DX

Paul L. Gaines  
% C.P. Cleaning  
15920 Puritan St.  
Detroit, MI 48227

E-skip is in here again today---the most I've seen for this season, and that makes it difficult to do a column---but it must be done! We've gotten another good one for today. It's from DXer Harry J. Hayes of Gouldsboro PA, and I hope you like it---I did! Let me know!

It's beyond me just how I evolved into a DXer. I say this because I had two things against me: one was an almost total ignorance on the subject of DXing, and the other is that I was born and raised (my first 20 years) in Wilkes-Barre, Pennsylvania, a city in the northeast corner of the state, completely surrounded by mountains and with only UHF TV service. "Dial clicking" was unheard of in this UHF-only city--that is, before the advent of VHF cable TV and UHF detent tuning. As a result of this, coming upon E-skip or even tropo would be unlikely where VHF hadn't been used since WNBK-12 in Binghamton NY had ceased to be the only TV station in the area.

If I hope to convey at all how I evolved into an avid DX fan, I may as well start from the beginning! When I was about six years old, in the late '50's, I started to fool around with my bedside AM-only table radio. One night I was able to tune in WKBW-1520 Buffalo with amazing clarity. One couldn't imagine my disbelief at such a feat! I was so amazed at the reception, in fact, I wasn't interested or didn't know enough to search for stations elsewhere on the band. I did, however, come upon "strange" places on the dial that sounded like a giant cocktail party with about 100 people talking at once. These places came to be known to me as the "graveyard" or AM local service channels, many years afterward.

Getting on a little bit, my interest (if you can call it that) laid dormant until my acquisition of a Zenith Trans-Oceanic radio in my early high school days, around 1966. I occasionally tuned the AM band and heard such things as WLS and WCFL, and again was amazed at these receptions! I also heard a strange station around 800 kHz called CKLW. "Come on, now," I said to myself, "what kind of station begins with the letter 'C'?" It had never dawned on me that other countries must use prefixes other than "W" or "K."

My interest laid in this state until late 1968 when my Dad and I were headed for a hunting trip at my residence in the mountains, east of the city. Having no television here at the time, my Dad suggested we take my portable set. Having gotten the television set up, UHF loop and all, my Dad's curiosity started working. He wondered if WNBK-12 would be possible at our altitude...? (See, even my Dad was more of a DXer than I was at the time!) We raised the VHF whip and in came the sound but no picture. Nevertheless, I was so fascinated by audio from a TV station 60 miles distant that I had evolved into a "VHF dial clicker"; not quite a DXer, though! As soon as I got back to Wilkes-Barre---up went that whip! Just about this time, our street acquired cable TV, and I was able to receive UHF TV from Philadelphia and VHF from New York City as a result of leaking radiation from the cable. I was also able to pick up WNBK-12 slightly.

These receptions entertained my until one strange day in 1969. It was late afternoon on June 20th of that year, and I had settled down in front of the TV. I took notice of strange noises and flashes on channel 2. When the image cleared, a test pattern with "KUSD-2, Vermillion, SD" printed on it appeared. This really flipped me over the chair! Having somewhat of a scientific mind, I immediately tried to formulate hypotheses and theories as to what could cause this. I took a look out the window and saw thunderstorm clouds on the western horizon. I immediately came to the conclusion that the KUSD reception must have been a result of the signal being bounced off ice crystals high within the clouds. With theory in hand, I ogled in my quasi-belief that I had made a scientific discovery!

That was until one fateful day in August. Having acquired my edition of the August 2nd, 1969 TV GUIDE, I came across an article entitled "Tune Your Set Carefully, and You May Even Get Holland," by the one and only Glenn Hauser. My balloon of ecstasy was suddenly burst! I learned that my KUSD reception had a name: "DX." I also learned of the existence of "DXers," and that they made a hobby out of "DXing." While I could no longer claim DX to be my own, I had also discovered the WTFDA from that article. From there I went on to become a VHF DXer!

The next step was to acquire an outside VHF antenna for my Wilkes-Barre residence. Trying to find a VHF antenna on stock in Wilkes-Barre is like trying to find snow in Miami! After much explanation to the store clerk that

(Harry J. Hayes, continued)

I really wanted a VHF antenna for use in the city, I ordered a 15-foot log periodic for the house. I was then on my way to logging my first 100 TV stations. I became interested in FM.

But that's not the end of the story! Contrary to my childhood AM experiences, I didn't learn of AM DX until about a year afterward. It was a fellow WTFDAer, Joe Fela, who introduced me to AM DX and NRC. To still demonstrate my stupidity on the subject of DX, I asked Joe, "Do you mean there's actually people who DX on the AM band?" I found out there are such people, so I finally evolved into the final stage of a TV-FM-AM DXer. How I got this far is still beyond me!

---Harry J. Hayes

Well, that's Harry's story---how about it? He told it like it was and is now. Thanks for sending it, Harry! Now, about your story---send it!

"CPs"---Yes, there used to be a channel 1...back in 1945. Trouble developed---too close to emergency services frequency range. It was discontinued about 3 years later by order of the FCC. And, no, CP doesn't stand for Canadian Pacific! (L.B., Pa.)

I'll close it for today; catch you next month. Oh, yes---who will be next in our column, you ask? CP knows...(smile!)

I wish you the best of DXing-----73's-----

Paul

Central Tv-Dx (continued from page 42)

Oct. 1976

Draeb; continued---	9-8 Tr 0555-0730:	9-16 Tr 2301	WHMB-40
9-8 Tr 0810 WKMR-38(487)	W39AA(268)		WDRB-41
2145 WQLN-54(405)	2135 KDWL-30(432)		WLKY-32
9-10 Tr 0837 KDWL-30(432)	2152 WAAV-31 T	9-17 Tr 1932	WEHT-25(420)
2005 Cleveland U's (355)	9-13 Tr 0450 WCPO-9(400)		1937 WAAV-31 T
9-11 Tr 2327 WJIL-38(348)	CFTO-9(410)		1951 WFIR-14(420)
WAAV-31(685)	CKCO-13(340)		2219 KHIN-36(457)
WEHT-25(420)	WENS-10(395)		2221 KYNE-26(481)
WFIR-14 "	WHIO-7(368)		KBIN-32(476)
WFIQ-36 "	0508 CKCO-4-11 T		2231 KSIN-27(463)
WTIU-38(376)	CECH-11(394)		2235 KMEG-14 "
W39AA(268)	0514 WKHN-27(420)	9-18 Tr 0005	5 stations
WYUR-48(685)	WAKR-23(380)		on ch.32. KRIN &
2339 WBMG-42 T	CHLFT-48(278)		WFLD signing off.
2345 WDET-48(400)	CHLFT-40(328)		KBIN, WLKY & CICO
9-12 Tr 0006 WDXI-19 "	CHLFT-76(340)		still on.
W55AE(140)	W55AE(140)		KHIN-36(457)
(repeating WCML;	(repeating		0550 London U's
WLUC off)	WCML)		Kitchener U's
0555-0730:	0749 WMUL-33(498)		WXIX-19(400)
Youngstown U's	1235 KDUB-40(208)		0601
WJAN-17(395)	(back on the air)		Youngstown U's
WAKR-23(380)	2005 CHLFT-25(410)		0605 WJIL-38(348)
WHIZ-18(400)	CICA-19 "		1947 KDWL-30(432)
CHLFT-40(328)	CHLFT-76(340)	9-19 Tr	CKNC-9 0548(350)
CICO-28(340)	9-16 Tr 2118 KHIN-36(457)		CKNC-1-7 " (290)
Cleveland U's	2120 K.C. U's(525)		0613 CKKY-10 T
WLKY-32(437)	KCBJ-17(450)		0813 London U's
WDRB-41 "	2213 KTSB-27(560)		WKHN-27(420)
			WJET-24(405)
			WSEE-35 "
			WUAB-43(340)
			CICO-28 "

By this time you may have been wondering why Jim Gould's report has the dates out of order. Jim sent me six pages this month which were stapled together in reverse order. The last page was on top and the first on the bottom. I noticed this when I first looked at the report (about a week ago) but when I started to type it up I was half way through the top page before I remembered this. So, I continued typing it up like this. I could have changed it I suppose but every thing is there, only the last loggings are first and the first are last.--wd

# TV SIGNAL ACCESSORIES

## Part 2 - Splitters

A splitter is a device that permits one antenna (or other signal source) to drive two or more TV sets, and to maintain the proper impedance match at all ports. Resistive devices that perform this task cause a power loss, so are rarely used. TV signal distribution systems commonly use the hybrid splitter, a device that accomplishes power division and impedance matching with negligible total power loss.

Splitters are available in either 75- or 300-ohms impedance. The 300-ohm splitters are much cheaper than their 75-ohm equivalents, and have commensurately-lower performance. In non-critical applications, and where the two TV sets are fairly close together, 300-ohm splitters are useful. Two of the best are shown in Fig. 1. The RMS C-2UV (on the left) has the lowest insertion loss at all frequencies and

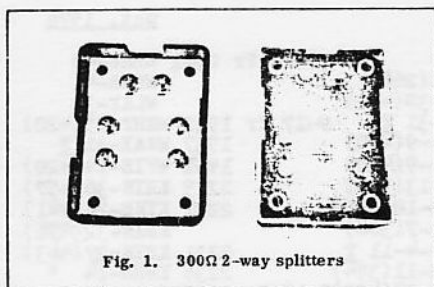


Fig. 1. 300 $\Omega$  2-way splitters

better VHF isolation. The Blonder-Tongue A-102 (on the right) has unusually-good UHF isolation. Both units can be used outdoors when mounted with the terminal board facing downward.

Four-way splitters are also available in 300-ohms impedance, but we do not recommend their use because of the problems involved in complex 300-ohm distribution systems.

Seventy-five ohm splitters are shown in the remainder of the pictures. All of the RMS Electronics splitters feature cast one-piece housings, so they can be used indoors or outdoors. Seventy-five ohm splitters are available in many varieties, differing as to number of outlet ports, case shape and terminal location, and frequency range. The two-way splitters shown in Figures 2 and 3 are the new low-cost RMS CA-1002/SM for VHF and RMS MA-2UV for VHF/UHF. From the chart you can see that low-end isolation is considerably better for the VHF-only splitter.

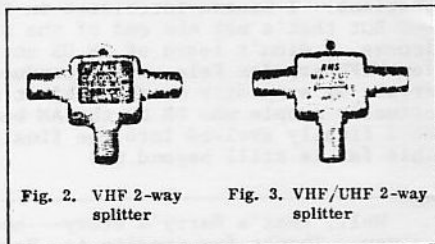


Fig. 2. VHF 2-way splitter

Fig. 3. VHF/UHF 2-way splitter

Four-outlet splitters are shown in Figures 4 and 5. The VHF-only splitter is the RMS CA-2004/SM. Notice that two VHF/UHF splitters are shown in Fig. 5. The RMS MA-4UV combines low-cost and good performance. The Jerrold 1597A (indoor-only splitter) is much more expensive, but provides top performance at all frequencies. Notice, also that its VHF isolation figures are even better than those of the VHF-only splitters.

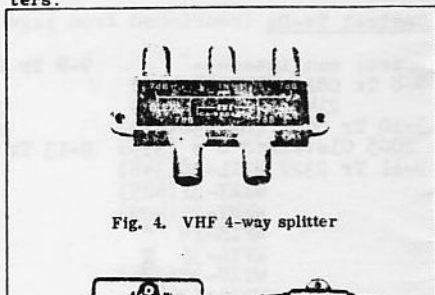


Fig. 4. VHF 4-way splitter

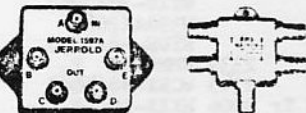


Fig. 5. VHF/UHF 4-way splitters

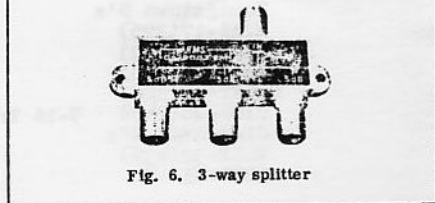


Fig. 6. 3-way splitter

Figure 6 shows the RMS CA-2003/SM. This VHF splitter, and its VHF/UHF equivalent the RMS MA-30U/SM, is one of the few 3-outlet splitters available. An 8-outlet splitter is also available, but splitters with more than 4-outlets

(continued at bottom of opposite page)

# 'BUILT-IN' TV-DX

by John F. Combs

Most TV-DXers began their hobbies with rather meager equipment--often no "equipment" other than the antennas that came with their TV. This is fine when it comes to E-Skip, for rabbit ears often outperform large arrays. But beyond this, little DX exists for the novice who is handicapped by lack of money, unsympathetic parents, or whatever. Tropo is simply not practical on built-in antennas.

However, tropo reception does occur, to a limited degree. And occasionally, a really abnormal catch comes up, like 300 mi. or more. It has been my experience that such reception is possible to a DXer with no outdoor antennas more often than may be thought. I believe most DXers with this handicap tend to ignore the possibilities and never, if ever, watch for tropo. True, he may have to do a lot of looking before something does occur, but often something does.

Take the celebrated tropo opening of March 31-April 1, 1974. At the time, the only antenna at my Orlando QTH was an Archer V-125--I had nothing for UHF other than the loop antenna on the back of the set. But conditions were up and I proceeded to log such notables as WAAY-31--525 mi.

I would like to compile a list of all-time record tropo catches with built-in antennas (i.e., single dipole VHF, loop UHF), rabbit ears, UHF bow-ties and the like. (Cut-to-channel folded dipoles are not acceptable as they represent a fairly substantial increase in gain over a built-in antenna.) I'd like for you all to send me any reports of VHF reception over 250 mi. and UHF over 200 mi. that you have experienced with such antennas. No need to show a QSL--I'll take your word. Also, if you know of any previous loggings by other DXers who may long since be dead, inactive, or whatever, by all means, send them too. In the future I will compile these in a feature in the VUD.

Until then, whatever your DXing set-up, whether it be rabbit ears or a UHF dish atop a 200' tower, happy DXing!

John F. Combs  
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Orlando FL 32804

73s,

*John*

are rarely used because of the difficulty in ensuring that all outlets are always kept terminated. Taps or directional couplers are more commonly used in large systems, because then the termination (or lack of it) on an outlet has no effect on the signal delivered to the other outlets. (More on directional couplers in a future article.)

If desired, all-channel (VHF/UHF) splitters can be used instead of VHF-

only splitters for VHF-only applications. However, all-channel splitters are more expensive than their VHF-only equivalents, and in many cases their VHF performance is inferior to that of the "specialized" (VHF-only) splitter.

Measured isolation and insertion-loss figures are listed below. Bear in mind though, that these measurements are based on a small sampling, and unit-to-unit variations do exist.

Splitter	Insertion Loss			Isolation Between Outputs		
	50 MHz	200 MHz	550 MHz	50 MHz	200 MHz	500 MHz
RMS C-2UV	3.0	3.1	3.4	16	19	21
B-T A-102	3.2	3.5	4.2	13	16	26
RMS CA-1002/SM	3.0	3.0	--	33	38	--
RMS MA-2UV	3.1	3.1	3.4	21	34	31
RMS CA-2004/SM	6.3	6.4	--	35	28	--
RMS MA-4UV	6.8	6.7	6.8	27	34	34
Jerrold 1597A	6.4	6.4	6.6	42	38	37
RMS CA-2003/SM	4.9	5.1	--	32	31	--



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