

NOVEMBER 1976

VHF-UHF DIGEST

the official publication of the Worldwide TV-FM DX Association

DXing The
UHF
Translators

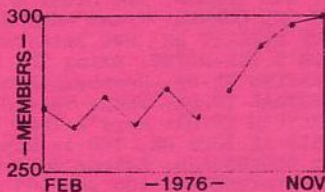


↑ IN THIS ISSUE ↓



AVIATION DX

EXPLOSIVE GROWTH,
AND THE BOOM
HAS JUST BEGUN...



publishers' notes...

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

MEMBERSHIP UPDATE...The information in this month's MAILBOX requires a bit of correction. Our tabulations now show that, for the first time in a long while, WTFDA membership has once again surpassed 300. Club records show that this pinnacle was last reached back in 1974. Our sincere thanks to all WTFDAers and all others who have aided us in once more achieving this milestone!

NEW HQ ADDRESS...Beginning with the first of next year, WTFDA will have a new post office box and address in Whiting, Indiana. As you might guess, publisher Pete Oprisko will be handling the club mails. We'll inform you as soon as the details have been finalized, hopefully in the December VUD.

COVER CHANGE...The use of a protective cover in lieu of an envelope on many VUD's last month may have a few of you wondering if WTFDA is in financial trouble. Not so--our club is still better economically than ever before! Spawmed by a sudden shortage of envelopes, use of the protective cover is an economy measure which will save us over \$100 each year. As always, your comments on this change are invited. Incidentally, the lack of envelopes in October precluded the mailing of many Reprint Service orders--these are enclosed herein. We will continue to use envelopes when including RS orders or photographs with individual VUD's, in order to save postage.

THE UHF TRANSLATOR DX GUIDE...is now out of print. We regret that this item is no longer available. Money for those orders which are not fulfilled will be refunded shortly. Sorry, but we cannot enter a second printing on this publication.

NEXT MONTH...we'll have members' comments on last month's UHF preamp comparison; the first in a series of articles on DX propagation by Dennis Smith; and, hopefully, the first installment in David Janowiak's TECHNICAL-CORNER series on "Antenna Polarization and DX."

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

WTFDA continues to grow, despite fewer new members this time around:

- | | | |
|------------------|---------------------|-------------------------------------|
| Robert A. Curtis | 17 Cobbleview Drive | Colchester, VT 05446 |
| Bill Dulmage | R.R. 3 | Colborne, ON K0K 1S0 |
| James Filler | 307 E. 9th | Muncie, IN 47302 |
| James T. Moses | 2822 Belmont Drive | Ocean Springs, MS 39564 |
| Wayne Murphy | 1411 Phyllis Ave. | Louisville, KY 40215 |
| Eric Schwarz | Sablons 57 | CH-2000 Neuchatel, Swit-
zerland |

- Rejoin: Robert Buta-1502 Allendale, Apt. 15-Pasadena, TX 77502
 Roy D. Horsley-Rt. 10, 169 Lakeshore Drive-Gadsden, AL 35901
 Gordon P. Nelson-48 Hardy Ave.-Watertown, MA 02172
- Renew: Paul Caltigrone, Terry Colgan, Joe Gragg, George Greene, Alvin Harvey,
 Richard Hawkins, Vane Jones, Doug Mackey, Don Ruland, Mike Scheel,
 Dr. Richard Wood.
- Address Change: Mike Hogan-9224 Cottage Grove Ave.-Highland, IN 46322
 Gil Morgan-10361 Christmas Drive-Huntington Beach, CA 92646
 Mike Scheel-4126 Nobis Drive-Davenport, IA 52804
 Dr. Richard Wood-15 Garden Circle-Syosset, NY 11791

The DX interests of BILL DULMAGE range from BCB to TV. He's also a member of CIDX and a new ANARC member club, the Ontario DX Association. To refresh your memory, rejoining member ROBERT BUTA is a 33 year old engineer at KUHT-TV. His primary DX interest is TV. Also rejoining this month is ROY HORSLEY, who's a pharmacist. His DX gear includes a 19" Admiral color TV and a GE 9" portable black and white set.

Tidbits.....

There'll be a Thanksgiving get-together in San Diego, according to IRCAN Albert Lobel: "The annual San Diego Area Thanksgiving Get-together will be held at the home of Albert and Helene Lobel on 20 November from 12 noon on. There will be a charge of \$2 per person, payable at the door, for refreshments (soft drinks, beer, and food). Please call or write in advance if you plan to attend so your hosts can get some idea on how many to plan for. Of course, you're welcome to just drop in! DX'ers of all bands are welcome, as well as all interested non-DX'ers." If you plan to go, write or call Albert (call him Albert, not Al...he's picky about it, hi-jz) for directions. His phone number is (714) 566-0092, and his address is 10514 Caminito Baywood, San Diego, CA 92126.

There's also a get-together November 20th hosted by WTFDAer Bill Block. His address is 133 S.E. 31st, Portland, OR 97214. For info, call Bill at (503) 234-1309 or Pat Martin, (503) 224-0614.

This word from new member Eric Schwarz: "I live on top of a hill in the Tina mountains of Switzerland. I have therefore very good reception conditions. I have started DXing on shortwaves with a Drake SSR-1, but would like to extend the range in the VHF-UHF above 30 MHz, and hope to get information specially on receivers and antenna to DX in the whole 30 to 500 MHz spectrum. I have already a rotatable wide band Winegard CH-8100 antenna which I use for FM and TV.

Looks like super-DXer Dr. Richard Wood will soon be back to TV-FM DXing: "Moving into this new house (15 Garden Circle, Syosset, NY 11791), I will be able, after two years of limitation, to re-erect some of the antennas I brought with me from Louisiana, and mount them on rotors, and hence to resume active DX-ing and reporting to the club."

As of our October membership count, we have 298 folks in WTFDA. This shows an increase of 8 over the last month, and marks the third straight monthly gain for WTFDA. Keep up the fine support of the VUD and get a few people to join the club, and we'll continue to be in fine shape. Reckon that's about it for this month....see ya in December.....jz

FC FM NEWS

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

New Stations Granted

AR Walnut Ridge 106.3 3000 h,v; 200'
CA Fallbrook 107.1 3000 h,v; 300' 15, 46m
CA Ridgecrest 92.7 3000 h,v; -120' km
GA Glennville 106.3 3000 h,v; 300' m
IA Emmetsburg 98.3 3000 h,v; 300' [miles
KS Oberlin 101.1 100000 h,v; 420' 34, 78/
KY Greensburg 103.1 2750 (horizontal only);
175'; 18, 61 kilometers coverage
KY Jackson 97.7 560 h,v; 610' 14, 44 mi.
KY Madisonville *89.9 15000 h,v; 300' g
ME Portland 93.1 50000 h,v; 220'
MI Grayling 100.1 3000 h,v; 81' 11, 50 km
MN Collegeville *89.1 10 St. Johns U.
MO Overland *90.1 10 Schools
NV Winnemucca K240AF 95.9g; 10 h,v [KNIS
94.7 Carson City NV translator]
ND Mayville 101.7 3000 h,v; 120' 9, 35 mi
OR Gold Beach K296AT (but FCC says K296AS;
however, I list K296AS as Springfield MO)
101.1 \$, m, 1 wait [KTMT 93.7 Medford OR]
SD Rapid City 100.3 100000 h,v; 450' k
TX Lamesa 104.7 100000 h,v; 225' 27, 71 mi
WV Rainelle 96.7 1200 h,v; 440' 24, 72 km
WI Waukesha *88.1 10 Carroll College--a
station very close geographically and
very close on the dial to channel 6 TV
WIII-TV Milwaukee; how can it happen?
Plus many new FM station grants in Canada,
especially in Newfoundland! See Canada
column for details.

On Air and DX Feary (presumed)
Al Batesville KGED *88.1 10
CA Hanford KKYS 107.5 50000 h,v; 275' r
DE Newark WXDR-FM *91.3 10 [m
FL Port Charlotte WEEJ 100.1 3000 h,v; 190'
LA Mansfield KJVC 92.7 3000 h,v; 300'
MD Arnold WACC *89.9 10 [Calls, too]
MI Escanaba WKZY ("cozy") 97.1 \$, m, UPI-
Audio, 24 hours/day; 89800 horizontal
only; 1066'. Not a non-IDer--uses call
letters frequently in addition to "cozy."
SCA authorized but no SCA yet heard.
MN Morris KMRS-FM 95.7 \$, m, Mutual; on 5
an to midnight with temporary power of
20000 h,v (360') until KLIZ-FM Brainerd
MN moves to 107.5 from 95.7. KMRS-FM
power will be 100000 h,v. KMRS-FM now
causing severe interference to KLIZ-FM.
NM Albuquerque KLYT-FM *88.3 3360; -397'
NY Poughkeepsie WVKR-FM *91.3 10 Vassar
NC Kingston WQDN-FM *97.7 3000 h,v; 170'
or (not g as previously listed)
OK Oklahoma City KAEZ 107.7 58000 h,v;
215' monoponic soul format; live deejays
TX Uvalde KYUF 95.3 3000 h,v; 125' rk
ON air with Changes (Selected)
IL Campaign WQWS-FM 97.5 50000 h,v; 360'
MA South Hadley WWHC apparently now *91.5,
10 watts, having moved from *90.7.
NY Hamilton WRGU-FM *90.1 1550; 140' r, U
NC Raleigh WKNC-FM *88.1 2900 h,v; 240'
VT White River Jct. WNHV-FM 95.3 3000h,v;
245'; VA Williamsburg WCBM *89.1 77; 125'
WI Green Bay WOUZ-FM 98.5 100000 h,v; 500'
(having moved from 98.3); \$, m, Y

Formats/Networks

Abbreviations: c classical, e ethnic, g
gospel, j jazz, k country, L Latin, m is
middle of the road (easy listening), n all
news, p progressive rock; r rock oldies,
top hits, or soft rock; s soul, t all
talk. If the reporting column editors
would use these symbols, less WUD space
would be consumed (k takes less space,
for example, than CW). and we'd all be
using the same symbols! Networks: A ABC-
FM, B National Black Network, C CBS, E
ABC Entertainment, I ABC Information, M
Mutual, N NBC, O NBC News and Information
Network, P National Public Radio, S
Associated Press Audio, U United Press
Audio, Y ABC Contemporary, Z Mutual Black

AL Auburn WEGL *91.1 p [CO Aspen KSPN
AL Fayette WVEL 98.1 k p (97.7 mhz)
AL Guntersville WTWX 95.9 k [CO Craig KRAI-
AL Huntsville WAHR 99.1 p FM 93.7 m; \$
AL Jasper WJWB-FM 102.5 m CO Colorado
AL York WSLY 99.3 r [Springs KRFM
AZ Mesa KDKB-FM 93.3 rp [96.5 p
AZ Phoenix KHFP-FM 101.5 cq (up to five
hours/day of simulcast g); also cq on
K268BA 105.5 Prescott AZ and K288AR 105.
5 Blythe CA. [CO Denver KCFR
AZ Tucson KWFM 92.9 p *90.1 p
CA Carlsbad KRDS 95.9 r (from rk)
CA Carmel KLRB 101.7 p [CO Fort
CA Long Beach KNAC 105.5 p [Collins [p
CA Los Angeles KGBS-FM 97.1 S KCSU *90.9/
CA Sacramento KZAP 98.5 p [CO Greeley
CA Santa Ana KYMS 105.3 p [KUNC *91.5
CA Santa Barbara KTYMS-FM [c; talk on
CA Ukiah KALF 103.3 k (from rp) SCA
CO Alamosa KASF *90.9 p [*Sea-93] MI Atten-
der Georgetown WSEA 93.5 p; [dale WSRX
DC Washington WPFM *89.3 to be [j 88.5 p
FL Coral Gables WVUM *90.5 p [FL Tampa
FL Gainesville WGLV 105.5 p [WUSF *89.7
FL Lake City WTLB 94.3 r (was ng) [cc
GA Athens WJSR 104.7 p [MI Hol-
GA Forsyth WFNE 100.1 g (from r) [land
HI Hilo KKEA 97.9 O [NIS] [WJLB-FM
IL Macomb WIUM *91.3 p [mg 94.5
IL Murphysboro WTAO 104.9 p [p
IL Urbana WPGU 107.1 p [midnight]
IN Crown Point WFLM 103.9 mp [p 10 pm to/
IN Hammond WYCA 92.3 U; Stereo
IN Monticello WVTL 95.3 E (from A); plus
*MI Farum Radio Network and Rural Radio
Network. * IA Clarion KRIT 96.9 M
KY Louisville WLRS 102.3 p [MI Saginaw
MA Amherst WNUA *91.1 p [WIOG 106.3
MA Pittsfield WGRG-FM 95.9 pm (from r)
MA Springfield WTRZ *89.1 p, WSCB *89.9
p; WTCG *90.7 p [MI Sandusky
MI Alpena WWSB 107.7 km [WMC-FM
MI Detroit WCAR-FM 92.3 rm, S [97.7 kr (no
WOMC 104.3 no S IE)
MI Port Huron WSGR *91.3 p; WSAQ 107.1 S
MN Bemidji KESB *91.9 mr
MN Fairmont KSUM-FM 106.5 to be \$; m, U,
expects to be on by Dec. 1, 1976.

MN Mankato KMSU *90.5 ms; monoponic; U
MN Rochester KRCC-FM 105.9, to have sepa-
rate programming Jan. 1, "The Enter-
tainers." (m) \$, to drop II. Also em-
bracing the new "Entertainers" format:
KCPI 95.3 Albert Lea MN; KBSB 101.1
Bemidji MN; and KSUM-FM to have it.
NE Lincoln KFMC 101.9 p
NJ Atlantic City WMMG 103.7 m (from r)
NM Albuquerque KRST 92.3 p
NM Las Cruces KGRD 103.9 r (was k)
NY Ithaca WNYR 93.5 p NY Troy WRPI
NY New York WNYU *89.1 p *91.5 p
NY Oswego WRVO *89.9 cr OH Cleveland
NC Burgaw WJFC 99.9 g WBOE *90.3 t
NC Thomasville WTNC-FM 96.3 r
OK Oklahoma City KJAK 100.5 r (from k),
Stereo; improved signal noted.
OR Ashland KSOR *90.1 A
OR Bend KICE 100.7 E (from A)
OR Grants Pass K217AB *91.3 \$, A
OR La Grande KFMT 98.3 M
OR McMinnville KSLC *90.3 no network
OR Portland KJIB 99.5 no network
KOFI-FM 101.1 mc (never was
rock as reported before)
OR Springfield KSNB 93.1 no network
PA Allentown WNUH *89.7 p
PA Easton WJRH *90.5 p
PA Elizabethtown WPOC-FM 106.7 m (was r)
PA Greencastle WKSL 94.3 m (from km)
PA Harrisburg WNSP 94.9 c (from cp)
WSPM 99.3 mr (" rr)
PA Philadelphia WXPX *88.9 p
WYSP 94.1 p [(from rm)
PA South Williamsport WHP1-FM 99.3 r /
PA State College WQNK 95.7 p
TN Elizabethton WJDD-FM 99.3 kg (was r)
TN Nashville WKDA-FM 103.3 p
TX El Paso KPAS 93.9 gp (still not \$)
TX Houston KAUM 96.5 rs
WV Salem WITB *91.1 r
MEXICO XHEM Ciudad Juarez 103.5 drops
English; now all Spanish; L.

Facilities Changes
CA Sacramento KWOD 106.5 310' (50000h,v)
\$, r, Dolby, 27, 67 miles [(1100')
CA Santa Rosa KVRE-FM 101.7 200 h,v/
CA Visalia KONG-FM 92.9 15500 h,v; 950'
CO Steamboat Springs R6GR-FM 96.7 70
h,v; (1880'); 15, 48 miles
CO Vail KVMT 104.7 1200' (76000 h,v)
FL Belle Glade WSWK-FM 93.5 adds v
GA Chatsworth 99.3 WQMT 3000 h,v; 300'
GA Manchester WFOR-FM 93.3 100000 h,v
(460'). GA Washington WLOV-FM 100.1
adds vertical polarization
ID Moscow KUOI *89.3 45 h,v; -95'
IL Evanston WNUR *89.3 130' (2200 h,v)
IL La Grange WLTG *88.1 adds v
IL Plano WSPY 107.1 210' (3000 h,v)
IN Bloomington 96.7 adds vertical
WFIU 103.7 34000 h,v (590')
IN Seymour WJCO-FM 93.7 10000; 190'
KY Elkhorn City WECL 103.1 120 h,v; 1370'
KY Grayson WGOH-FM 102.3 2000h,v; 360'

FCC-FM

LA Oak Grove KDDI 96.7 3000 h, 1500 v(300')
 MA Amherst WAMH *89.3 adds; p
 MA Hyannis WCOB 106.1 44500 h,v; 430'
 MA Stockbridge WCWL *91.3 450 h,v; 40'
 MN St. Cloud KCLD-FM 104.7 75000 h,v; 450'
 MS Pascagoula WGDU 106.3 2350 h,v; 350'
 MO Lexington KBKX to move from 106.3 to 107.3 100000 h,v; 500'; 60, 129 kilometers
 NE Seward KSRD 96.9 580' (100000 h,v)
 NV Las Vegas KCEB *88.1 adds v
 NM Albuquerque KRST 92.3 22000 h,v (4110')
 KOB-FM 93.3 21500 h,v 4150'--
 both of above to have 58, 109 miles--maximum Class C power with super-high antenna under new FCC curves: the first such grants for stations having over 2000' antennae. I am consulting a number of Class A and B stations to increase powers to the new maximums; these are Class A stations over 300' and Class B stations over 500' having less coverages than they are entitled to.
 NY New York WYLF 107.5 5400 h, 3800 v; 31, 69 miles primary and secondary coverages.
 OH Cleveland WGSB *89.3 adds vertical
 OK Bethany KGOY 104.9 3000 h,v (255')
 PA Grove City WEDA 95.1 6000; 200'
 PA Jenkintown WJFZ-FM 103.9 270 h,v (1000')
 PA Philadelphia WYSP 94.1 14000 h,v; 900'
 RI Providence WBRU 95.5 440' (46000 h,v)
 SC Columbia WUSC *89.9 moves to *91.9 10h,v
 TN Lenoir City WLIL-FM 93.5 adds v
 TN Morristown WAZI 95.9 460 h,v (770')
 TX Lubbock KLLF-FM 96.3 54000 h,v (540')
 TX Spearman KBWF-FM *98.3 adds vertical
 UT Logan KVVJ 94.5 adds vertical
 UT Provo KAYK-FM 96.1 38000 h,v; 2630'
 VT Colchester *89.5 adds vertical

Deletions

AZ Phoenix KRPS *89.5
 CA China Lake K224AF 92.7 presumed to be deleted because of new Ridgecrest CA grant for 92.7

SCA (67 Khz) News

AZ Phoenix KOOL-FM 94.5 adds SCA
 CA San Francisco KOIT 96.5 adds SCA
 CA Denver KOSI-FM 101.1 music
 CO Estes Park K224AD 92.7 music
 CO Fort Collins KTCL 93.3 music
 CT Waterbury WWYZ 92.5 adds SCA
 ID Twin Falls KEZJ 95.7 adds SCA [printer?]
 IL Springfield WDBR 103.7 " " teletype/
 ME Bath WJTO-FM 105.9 adds SCA [printer?]
 MO Kansas City KBEQ 104.3 " " teletype/
 NY New York WNYC-FM *93.9 adds SCA
 SD Sioux Falls KIOV 104.7 farm
 WI Baraboo WLVE 94.9 audible teleprinter noise, like WCLR 101.9 Skokie has

Stereo News

CA El Cajon KECR 93.3 adds \$stereo
 CA Loma Linda KEMR *88.3 adds \$
 CA Riverside KLLU *89.7 adds \$
 GA Bainbridge WJAD 97.3 adds \$
 KY Benton WCBL-FM 102.3 adds \$; gk
 LA New Orleans WTUL *91.5 adds \$; r
 WYLD-FM 98.5 resumes \$; g
 MI Alpena WATZ-FM 93.5 adds \$; km
 MI Jackson WJGX 106.1; \$, r
 MI Orchard Lake WBLD *89.1 \$, r
 MI Southfield WSHJ *89.3 \$, r
 MS Brookhaven WMRO 92.1 \$, r, l
 NC Greenville WNCJ-FM 107.7 resumes \$
 OR Klamath Falls KAGM 96.5 adds \$; m
 OR Lebanon KOMS 103.7 adds \$
 TX Houston KTSU *90.9 \$; js

November, 1976

WI Green Bay WGBK *91.5 adds \$
 WI Waupun WLKE-FM 99.3 drops \$
Call Letter Assignments
 AK North Pole 100.3 KJNP-FM
 AR Little Rock 95.7 KXXA (KMYY)
 CA Fresno *89.3 KVRP-FM
 CA San Fernando 94.3 KGIL-FM (was KVFM)
 FL Pensacola 107.3 WGM1
 GA Canilla 105.5 WEB1
 GA Ellijay 104.9 W285AB (not W285AA)
 IL Morton 102.3 WT4Z
 IA Sioux City *90.3 KWIT-FM
 MD Baltimore 102.7 WCAO-FM (apparently not changing to WBYR)
 ME Presque Isle *106.1 WMEM-FM
 MI Adrian 95.3 WOTE (WABJ-FM); \$, m
 MI Grand Rapids *89.9 WEHD
 MN Richfield 101.3 KDWB-FM (WYOO-FM)
 MN Minneapolis-St. Paul 93.7 WAYL-FM (WAYL)
 NE Superior 103.9 KRFS-FM
 NY Dix Hills *86.9 WHHJ
 NC Chapel Hill *89.3 WXYC
 NC Fuquay-Varina 103.9 WAKS-FM
 OH Bowling Green 93.5 WKIQ (WAWR)
 TX Beaumont 94.1 KQXY (KBPO)
 TX College Station *90.3 KAMU-FM
 WV Charleston *86.5 WVPN
 WV Huntington *89.9 WHPW
 WY Cheyenne 106.3 KLEN-FM (KVVO-FM)
 Stations scheduled to change call letters--and formats:
 GA Atlanta WPLO-FM to WVEE rs (103.3)
 MA Boston WCOB-FM to WTEK k (100.7)
 TN Memphis WMPS-FM to WHRK rs (97.1)
 Above 3 stations owned by Plough, Inc.
 No mention made of any change at WJUD-FM 104.3 Chicago, also a Plough station

FM News and Members' Comments and Ordering Bazaar!

Copies of my recently-submitted comments to the Federal Communications Commission in regard to the matter of changes in the rules relating to noncommercial educational FM stations, Docket No. 20735, are available from me at the above address for \$1.00 postpaid. The unique aspect of my proposal is to move all 10-watt stations to even frequencies (such as 88.2), and it includes a map of Chicago showing how such a reallocation would work. The deadline for filing comments in this proceeding has been extended to Jan. 3, 1977, so my comments might serve as a guide for any other reader who might wish to send their own comments to the FCC. Also I have ready copies of the enlarged (8 1/2 by 11" format) FM coverage charts and correctly-sized sliding scale, along with up-to-date FM applications print outs for \$3.00 postpaid, which is a fraction of the cost I have charged the commercial stations I have been consulting with concerning higher power.

WVOI, "Voice of the Island," Tisbury MA may return to the air in December, if a transfer of ownership is approved by the FCC. Article did not say if WVOI would return on its old frequency of 95.3, or its new channel of 92.7. The error in WRCH 100.5 New Britain CT's FM Atlas listing is pointed out by another reader, who takes issue with my saying radio consultants help foster "non-IDs," pointing out that KIOI 101.3 San Francisco, better known as "K-101," adopted the use of such a call in the mid-60's, which the station then registered as a trademark. "An advertisement in a June, 1975 issue of Broadcasting put it simply: 'Once we were first and only, now we are only first!'" Although KIOI may have originated the practice, I still feel traveling radio consultants do much to spread it. I talked with the former research director of Frank Magid Associates, Cedar Rapids IA, and he said they do a lot of consulting to radio stations, and were responsible for the formats and promotions used at KSTP-FM 94.5 St. Paul MN, which calls itself "KS-95."

WWTR 95.9 Bethany Beach DE, r, has its studio and transmitter in North Ocean City MD. WMYK 93.7 Elizabeth City NC uses a transmitter in NC, just over the line for a Class C. "This giant overpowers locals all along the coast; studios are in downtown Norfolk VA. A new 10-watt station is being applied for in Uptown section of Harrisburg PA (largely Black). WQSU *88.9 Selinsgrove PA still reported off the air, but plans to return soon with p. WMJS 92.7 Prince

Frederick MD is also still off the air; no plans known for their return. WYSP 94.1 Philadelphia overpowers WICO-FM 94.3 Salisbury MD in nearby Ocean City. WMYK 93.7 Elizabeth City NC also comes in over WSEA Georgetown DE 93.5 in Ocean City; this in spite of the fact that WSEA's programs are very much aimed at the Ocean City element. Some call letter significances: WPDC 106.7 Elizabethtown PA: "People Do Care"; WPOC 93.1 Baltimore "Pride of Country (Music)"; WPGC 95.5 Morningside MD "Prince Georges County"; WGAY-FM 99.5 Silver Spring MD-Washington DC does not call self "gay" radio, as one might think. It is named for former owner Connie B. Gay. WSLQ 99.1 Roanoke VA: "Shenandoah Life Station" (former owner); WQDR 94.7 Raleigh NC: "Quad for Durham and Raleigh"; WRBS 95.1 Baltimore "Radio Bible School"; WCMS-FM 100.5 Norfolk VA: "Country Music Station."

WNCT-FM 107.7 Greenville NC uses "FM-107" non-ID during hours of \$, m music.

WXYQ 106.1 Wilson NC uses the "Y106" non-ID. What is WXYQ's format and are they stereo? WRVQ 94.5 Richmond VA uses "Q-94" with occasional "Super-Q" non-IDs. WPJC 99.9 Burgaw NC (formerly WVBS) stands for "Where we proclaim Jesus Christ," now all g.

A reader just returned from a vacation in the mountains of GA and NC, and was amazed at the large number of FM stations that came in, even on a cheap transistor radio. "I know there were 20-30 stations available from atop Black Rock Mt., near Clayton GA. A similar situation prevailed in the mountains north of Asheville NC, with sometimes stations on the same frequency alternating back and forth as we were driving." WITB #91.1 Salem WV heard with r with a weak to fair signal at 40+ miles over rough terrain. WITB is a ten-watter.

WYCA 92.3 Hammond IN now keeps its \$ lite on fulltime, which amounts to false stereo, since the station plays many hours of monophonic taped religious programs each day. Not the best Christian witness they could be performing, because they're engaging in a dishonest practice!

WKZY 97.1 Escanaba MI is located atop the WJMN-TV tower at Trenary MI, IGM automation; strong on news. A new FM station at Newberry MI should be granted any day now, but two applications are on file for St. Ignace MI 102.3, one of which would be g. Central MI U., owners of WCMU-FM #89.5 Mt. Pleasant MI, plans to apply for a new FM at Alpena MI, to use the WCML (TV) tower. The new station, tentatively called WCML-FM, would duplicate the WCMU-FM program schedule, and will "reach beyond Sault Ste. Marie." An illegal FM station, "WPAZ," 107.5 heard for a few days in Bloomington MN announced as having 100 milliwatts; the operator called in to KQRS-FM and WYOO (now KDWB-FM) saying he had a station on the air, inviting listeners to tune (if not turn) him in. Also gave a phone number for requests; was on noon to 3 p. m. and 9 pm to midnight; r mono signal was not bad; location nailed down to 100th St. and Harriet Ave. South.

Mike Dorner, 1409 Hymelia Avenue, Metairie LA, announces his 10th and 11th FM Progress Reports are available for 39¢ in postage. A study of Pacific coastal states is featured.

XHEM 103.5 Ciudad Juarez has dropped p in favor of Spanish, L; "However, they are really distorted in their music and announcing. . . Their ID is "XHEM-FM estereo 103 desde Ciudad Juarez, Chihuahua, Mexico." KRAI-FM Craig CO 93.7 heard last spring across the Rockies in Greeley, has reappeared in \$ with m; not known what form of propagation results in this station coming in over such rough terrain, only to be gone the entire summer. A medical technologist working on a master's degree, Clint McAuliffe says he really appreciates the Physician's Radio Network on KKKX 95.7 Denver's SCA: "I've learned a few new things that I have already applied to my work at the hospital."

In Arizona, KDKB-FM 93.3 Mesa has, over the past year, changed from a progressive format to a "more or less top-50 album format, much less distinguishable from other rock music stations in the Phoenix area." Community Broadcasting Foundation of Phoenix has applied for 88.3, 900 watts for a noncommercial, community-supported station. Non-IDs: KFLY-FM 101.5 Corvallis OR "K-12" (in honor of AM 1240 frequency); KZOK 102.5 Seattle WA: "OK-102 1/2." KPAM-FM 97.1 Portland has dropped its "K-97" non-ID, with no Y news after 6 a.m. KAOS #89.3 Olympia WA claims they are not rock, but play folk, j, k, Cajun, c, r, monaural—"unusual" music. A publication that shows the days and hours that radio stations play classical music is \$2.50 from Musica Publishing Co., Box 1266, Edison NJ 08817; said to be quite accurate. CING "sing stereo 108" on air with "raucous rock and roll format. . . never a word as to their location, but after an hour of steady listening and hearing an ad to write to an address for free tickets it was guessed it was Burlington, Ont. Their singing station break, just barely decipherable, is "CING, sing stereo 108" (no mention of city of license—doesn't CRTC require this?)." [CING 107.9 50000 h.v; 500' Burlington.]

CONTRIBUTORS this issue: Frank Aden, Jr., Bend OR; Dick Clark, El Paso TX; Mike Dorner, LA; John Ebeling, Minneapolis MN; Robert Eddy, Newport OH; Albert H. Ellis, Brantford, Ont.; Charles E. Everett, Bridgewater NJ; Doug Everitt, Enid OK; Robert Fischer, Fairbanks AK; Charles Hettleringer, Tampa FL; Toni C. Holm, KAOS Olympia WA; Jack Lattemann, Tempe AZ; Clint McAuliffe, Greeley CO; W. Doug McLuen, WVIL Monticello IN; David Nelson, Chapel Hill NC; R. J. O'Connor, SW Harbor MI; Craig W. Pattillo, Portland OR; Paul E. Petosky, Munising MI; John Robertson, Goswell MI; Ken Simon, W. Palm Beach FL; Andy Smith, Dillsburg PA; Art Vuolo, Jr., Ypsilanti MI; Paul M. Wendell, Portland OR; John Zondlo, Hammond IN + items I scrounged up myself. ☺

NORTHERN FM-DX

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

November 1976

Very little DX was noted in the month of September, except for a smattering of tropo on 9/3 & 9/4 across the lower Great Lakes. Most reports included summer tropo and Es DX activity. Let's keep after that DX and send in your reports regularly. Now to the reports:

Peter Sawatzky - 244 Neilson Ave. - Waterloo, ON N2J 2M3 (EDT)

Equipment: RX Heathkit AJ-15; Ant Delhi 1047 @ 30'. New underlined.

- 7/25 Tr 0958 WKDD 96.5 OH Akron (180)
7/26 Es WGXL 93.5 FL Vero Beach (1080)
(Taped w/MS tape control unit between 0800 & 1730)
2132 KERA 90.1 TX Dallas (1130)
2137 KLCO 97.9 OK Poteau (945)
2153 KWTX 97.5 TX Waco (1215)
7/27 Es 1911 WPCS 89.3 FL Pensacola (980)
1920 WKSJ 94.9 AL Mobile (970)
1927 WABB 97.5 AL Mobile (970)
2039 WRQA 107.1 MS Gulfport (1010)
2046 WCKW 92.3 LA La Place (1075)
2047 KZZQ 94.3 LA Golden Meadow
2052 WYLD 98.5 LA New Orleans (1070)
2057 WXIT 93.5 MS Bay Springs (925)
2058 WVNO 89.9 LA New Orleans (1070)
8/1 Tr 1235 WERT 98.9 OH Van Wert (275)
8/2 MS 1006 WFMT 98.9 AL Montgomery (830)
(1st hrd by MS; previously by Es - "...WFM-..." hrd)
8/4-8/5 MS WSLQ 99.1 VA Roanoke (430)
(Taped w/MS tape control unit between 2300 & 0730)
8/11 Tr WKRQ 101.9 OH Cincinnati (365)
(Taped w/MS tape control unit between 0130 & 0900)
MS 2245 WDLE 106.5 WI Marshfield (485)
(1st time by MS; previously by Tr)
2330 KTMO 98.9 MO Kennett (710) ID
8/12 Es 1902 ZEM 89.1 EM Hamilton (1280)
8/20 Tr 2000 WEZR 106.7 VA Manassas (360)
2021 WCLG 100.1 WV Morgantown (265)
2045 KUNI 90.9 IA Cedar Falls (605)
2130 KNWS 101.9 IA Waterloo (600)
2147 WDBA 107.3 PA Du Bois (185)
2300 WVWR 89.1 VA Roanoke (430)
(Previously logged via Au)
2309 WMOD 98.7 DC Washington (360)
2357 WPLZ 99.3 VA Petersburg (465)
8/21 Tr 0021 WRVQ 94.5 VA Richmond (440)
(Previously logged via MS)
0030 WNWZ 92.5 NY Rochester (145)
0031 WCMS 100.5 VA Norfolk (505)
0043 WEZS 103.7 VA Richmond (440)
(Previously logged via MS)
0053 WYVA 94.1 VA Yorktown (480)
0107 WFBG 98.1 PA Altoona (230)
0112 WAKM 100.9 PA Bedford (260)
0117 WEEN 102.7 OH Cincinnati (365)
0136 WMAL 107.3 DC Washington (360)
- 8/21 Tr 0156 WAMU 88.5 DC Washington (360)
0200 KSJN 91.1 MN St. Paul (630)
0229 WEZW 103.7 WI Wauwatosa (380)
0300 KSTP 94.5 MN St. Paul (630)
0804 WNMU 90.1 MI Marquette (400)
0859 WHAD 90.7 WI Delafield (380)
0904 WHRM 90.9 WI Wausau (460)
(previously logged on 91.9)
0915 WHWL 95.7 MI Marquette (400)
(1st time by new calls - ex-WDMJ)
0935 WHLA 90.3 WI La Crosse (535)
1026 WGGL 91.1 MI Houghton (465)
1056 CJSD 94.3 ON Thunder Bay (455)
(1st time by new calls - ex-CKPR)
1104 WRWV 102.7 WI Suring (390)
1344 WAUN 92.7 WI Kewaunee (355)
1350 WDOR 93.9 WI Sturgeon Bay (355)
1354 CBJN 95.1 ON North Bay (205)
1357 CECN 96.1 ON North Bay (205)
1522 WQFM 93.3 WI Milwaukee (365)
1533 WECB 102.9 WI Milwaukee (365)
1559 WZUU 95.7 WI Milwaukee (365)
1428 WIXX 101.1 WI Green Bay (375)
2058 WMBI 90.1 IL Chicago (375)
2359 WROE 94.3 WI Neenah (400)
8/22 Tr 0011 WQTC 102.3 WI Two Rivers (355)
0045 WSND 88.9 IN Notre Dame (315)
0127 WEMX 102.7 IL Oak Park (385)
1411 WNTQ 93.1 NY Syracuse (215)
(1st time by new calls - ex-WDD5)
1907 WROW 95.5 NY Albany (340)
1916 WGNV 107.7 NY Albany (340)
1923 WHSB 106.5 NY Albany (340)
Es 1935 WMJX 96.3 FL Miami (1205)
Tr 1948 WMHT 89.1 NY Schenectady (330)
1959 WHRL 103.1 NY Albany (340)
2010 WEZF 92.9 VT Burlington (365)
(1st time by new calls - ex-WVNY)
2028 WKGW 104.3 NY Utica (260)
(1st time by new calls - ex-WRUN)
2049 CHLT 102.7 PQ Sherbrooke (440)
2158 WAMC 90.3 NY Albany (340)
2158 WJIV 101.9 NY Cerry Valley (290)
8/23 Tr WMBI 90.1 IL Chicago (375)
(Taped with MS tape control unit between 0800 & 1630)
8/25 Tr 1913 WTVN 96.3 OH Columbus (275)
2025 WNWR 90.9 OH Canal Fulton (190)
8/29 Tr 1007 WNED 94.5 NY Buffalo (90)
(1st time by new calls - ex-WREZ)
9/12 Tr 0959 WHAD 90.7 WI Delafield (380)
1834 CIGM 92.7 OH Sudbury ex-CKSO
9/16 Tr 1845 WBEX 93.3 OH Chillicothe (515)
9/21 MS WCCO 102.9 MN Minneapolis (825)
(Taped w/MS tape control unit between 0800 & 1800)
Tr 0800 WELY 102.9 OH Springfield (300)

One correction to my report in Sep. VUD. WFSU logged on 6/28 should read "FL Tallahassee", not "TX Houston". Tr opening of 8/20-21-22 was by far biggest witnessed here., in all directions, & unusually into & over the Appalachians. Even KUNI at 605 mi. was easily hrd on car radio parked between brick buildings! 73's --- Pete

Steve West - 432 Kenmore Road - Havertown, PA 19083 (Phone 215-449-1472)

Equipment	Call	Frequency	Power	Location	Notes
	RX AR-15	Ant 5-element FM Yagi at 30'			
2/9 Tr	2330 WFVA	101.5 VA Fredsburg, r (180)	6/28 Es	0000+KPAC	98.5 TX Pt.Arthur, (1275)
2/20	2340 WJIT	101.5 PA Pittsburgh, (250)		0100 KLAW	101.5 OK Lawton, r, (1320)
2/22	1800 WQED	89.3 PA Pittsburgh, (250)		1030 WMJX	96.3 FL Miami, r, 96X(1000)
	WDUQ	90.5 PA Pittsburgh, (250)		WYRZ	96.7 FL Jupiter, (925)
2/25	0700 WSMO	104.1 MD La Plata, (145)	7/4 GW	1400 WJRA	100.1 NJ Ship Bottom, r (60)
3/24	0400 WNCT	107.7 NC Greenville, k (325)	7/19 Es	1145 KYEA	98.3 LA W. Monroe, (1050)
	WMTX	93.7 NC, r., K-94 (250)		WALT	97.1 MS Meridian, r, (925)
	WKEZ	95.7 VA Norfolk, m (225)		WYNK	101.5 LA Baton Rouge (1100)
3/28 MS	0345 WQID	93.7 MS Biloxi, (1010), ID	1200	WPMK	97.9 TX Houston, g, (1340)
3/30 TR	1000 WQCC	94.3 NJ Avalon, (60)		KODA	99.1 TX Houston, (1340)
4/18	0100 WTYD	96.1 NC Raleigh, m, (340)	1230	KGRI	100.1 TX Henderson, (1200)
5/20	0015 WTVR	98.1 VA Richmond, m, (200)		WELX	92.9 AL Mobile, r, (950)
	WCTC	98.3 NJ New Brunswick, r (70)	7/26	1000 WSNS	96.1 LA L. Charles, r (1225)
	WIOK	98.3 NY Hempstead, m, (110)		KAKC	92.9 OK Tulsa, gold-r (150)
5/24	2300 WIEZ	99.9 CT Bridgeport, m, (150)	1100	WRBQ	104.7 FL Tampa, r, 2105(92')
6/3	2330 WZFN	99.9 CT Bridgeport, m, (150)		KGRK	104.9 MO Carthage, (1060)
6/6 Es	1900 KDDK	95.3 MO Clinton, r, (980)		KXXY	96.1 OK Okla. City, r (1250)
6/8 Tr	2320 WJLY	92.1 NC Moyock, r, (235)	1130	WELX	92.9 AL Mobile, r, (950)
	WQRK	104.5 VA Norfolk, r, (225)		WKWV	92.3 LA La Place, (1050)
	WKEZ	95.7 VA Norfolk, m, (225)	8/2	1700 KCI	95.3 IA Washington
	WVHR	101.3 VA Hampton, m, (225)		KLGR	97.7 MN Redwood F., m (1075)
	WSFL	106.5 NC Bridgeton, r, (350)		KCPI	95.3 MN Albert Lea, (1000)
6/9 Tr	0100 WLKW	101.5 RI Providence, m (230)		WALT	97.1 MS Meridian, (925)
6/12 Es	1230 WJOB	95.3 AL Thoraeville, (900)	1800	KNIM	95.3 IA Keokuk, (850)
	WELR	95.3 AL Roanoke, (740)		WJDB	95.3 AL Thomasville (900)
	WKSJ	94.9 AL Mobile (950)		WKLH	92.3 AL Montgomery, r (800)
6/13 Tr	2300 WSFL	106.5 NC Bridgeton, (350)		WEZB	97.1 LA New Orleans, m (1075)
	2330 WKTC	104.3 NC Tarboro, k, (300)		WELR	95.3 AL Roanoke, (740)
	WRAR	105.5 VA Tappa'nock, m. (170)	1900	WJGA	92.1 GA Jackson, (675)
6/14 Tr	0700 WKWI	101.7 VA Kilmarnock, (85)		KOEL	92.3 IA Oelwein, k, (900)
6/16 Es	1800 Ft. Smith, Arkansas, & area.		8/3 Tr	2400 WKEL	101.3 CT Hamden, m, (155)
6/26 Es	1300 WCIB	91.7 FL Lakeland, (890)	8/12 MS	0400 WLQR	101.5 OH Toledo, (450)
	1330 ZEM	89.1 EM Hamilton, auto-r	8/14 Tr	2200 WCVT	89.7 MD Baltimore, r, (100)
	to ZVB	94.9 EM Hamilton, m, r	8/13 MS	0300 WHAS	97.5 KY Louisville, (575)
	1430 Unid	90.5 SS drama. w/sound effects. Havana? (most likely-fn)	8/17 MS	0030 WYTK	101.5 LA Baton Rouge (1100)
6/27	2145 KTEL	99.9 LA Lafayette, r, (1160)	8/21 Tr	0830 WPVA	95.3 VA Petersburg, k (210)
	WTUN	100.1 AL Selma, k (820)		WRVQ	94.5 VA Richmond, r, (200)
	KGNS	96.1 LA L. Charles, r, (1225)	0930	WIVE	100.1 VA Ashland, g, (190)
	KTLC	100.3 TX Dallas, m, (1330)		WEZS	103.7 VA Richmond, m. (200)
	WNSL	100.3 MS Laurel (950)	1000	WRFK	106.5 VA Richmond, c, (200)
	KGMR	100.3 AR Jacks'ville, (990)	8/22 Es	1900 KNIR	99.1 LA New Iberia, m (1175)
	2300 KBID	92.9 TX Wichita Falls (1350)		WAFB	98.1 LA Baton Rouge, (00)
	WRPM	107.9 MS Poplarville, (1000)	8/24 Tr	2300 WSFL	106.5 NC Bridgeton, r, (350)
	WYNK	101.5 LA Baton Rouge, k (1100)		2330 WOBR	95.3 NC Wanchese, m-j (280)
	WQXY	100.7 LA Baton Rouge, m, (1100)	9/9	2330 WIOF	104.1 CT Waterbury, k (150)
	WELX	92.9 AL Mobile, r, (950)		2400 WRON	103.9 NY Riverhead, r (150)
	KGRI	100.1 TX Henderson, r, (1200)	9/10	0030 WPDH	101.5 NY P'keepsie, r (140)
	KXXI	96.1 OK Okla. City, r, (1250)		WWRJ	95.3 NY S'hampton, m (160)
6/28	0000 KSNS	96.1 LA L. Charles, r, (1225)		GW 1700 WCSD	89.3 PA Warminster, r (20)
	KWJS	94.9 TX Arlington, g, (1300)			(Nice going on all your new catches! - fn)

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

9/16 GW	1730 WLRA	88.1 IL Lockport, ID	9/17 GW	1259 WNIB	97.1 IL Chicago, ID
9/15	1700 WQNC	89.1 IL Naperville, ID	9/16	1625 WBYG	99.9 IL Kankakee, NX, ID
	1300 WDOM	92.1 MI Dowagiac, new freq.	9/26 Tr	2300 WBEI	90.3 IN Ft. Wayne, ID, (133)
9/17	1400 WLLF	96.7 IL (Joliet?-fn) new CL	9/29 GW	1135 WJCK	97.7 IN Rensselaer, ID
	Tr 1030 WHTT	96.9 IL Moline, ID, (170)	Tr 1157	WACF	98.5 IL Paris, (140)

70 stations logged now. 73's and good DXing - - Michael.

Bruce Elving - 184 East Fifth St. - Duluth MN 55805

It has not been a good year, possibly because of increased time spent with the FM Atlas and a reduced desire to try for DX. The local area is so congested with stations and images that searching for skip is even a chore. I now have a Sony ST5130 in addition to my 1969 Fisher 500TX, but find little difference in the two. The Sony seems to have slightly better image rejection, while the Fisher is somewhat more selective for adjacent channel reception

(Bruce Elving report - continued)

--this despite the fact that the Fisher's rated selectivity is less than that of the Sony. Here's my DX rundown from April 23 thru Sept. 21; KAXE *91.7 Grand Rapids MI, which would be practically a local at 75 miles with their 100kw, except that their signal has to come from behind a 1200' hill, making it DX; KFJM-FM *89.3 Grand Forks ND June 1. Skip June 18; WWEL-FM 107.9 Medford MA with Physician's Radio Network SCA; WPNH-FM 100.1 Plymouth NH monophonic country music; WCOD 106.1 Hyannis MA \$ rock; WRCH 100.5 "rich" mor New Britain CT; WGIR-FM 101.1 Manchester NH; WMHT-FM *89.1 Schenectady NY; WROW-FM 95.5 Albany NY; WCTY 97.7 Norwich CT. Skip June 27; WYRL 102.3 Melbourne FL; WRYO Crystal River FL, \$, g; WQXQ 101.9 Daytona Beach FL. Final skip of the year was on July 17; KPIK-FM 93.9 Colorado Spgs CO with \$, k; KRLN-FM 103.9 Canon City CO, mon.; KIIQ-FM 102.7 Manitou Springs CO; KLIR 100.3 Denver CO "clear"; KVOB 99.5 Denver CO, \$ c; KFKZ 96.1 Greeley CO with \$, g and ads from as far away as Cheyenne WY, which inspired me to try for Cheyenne and I got an ID from KVWO-FM 106.3 Cheyenne--my first Wyoming station! Also heard what must have been the other Cheyenne station on 97.9, but it had Paul Harvey and there was no local ID while Cheyenne was coming in. The only real tropo of the year occurred on Aug. 17 when WLRQ 95.3 Whitehall MI was received at 0800 CDT. WLST 95.1 Marinette WI, a new rock, \$, station added Sept. 14, and on Sept. 18 a silent period at WGGR 105.1 Duluth netted me the longneded 104.9 Breckenridge MN at 5:02 pm CDT Also received the new, 24-hours-per-day WKZY "cozy" 97.1 Escanaba MI, \$, m. All stations in above report heard in Duluth, except for KFJM-FM and KKWB, and all heard on Fisher except for KKWB.

73, Bruce.

George C. Greene - 1527 Sunset Ave. - Akron OH 44301 (Phone 216-724-9703)

DX conditions since last report have been pretty good, with my first major Easter tropo noted on 8/12. Antenna here is now a Wineguard 6065 model, replacing the Channel Master previously used. Logging of late have been as follows:

6/7	Es	1545	KIIQ	102.7	CO	Manitou Spgs	1859	KPEL	99.9	LA	Lafayette			
		1546	KXXX	95.7	CO	Denver, r, 96kx	1902	KMBS	96.1	TX	Harlingen, EL			
		1548	KPUB	99.9	CO	Pueblo, k	1912	KIPL	95.1	TX	Beaumont, k			
		1553	KRYT	101.9	CO	Colo. Spgs, EL	1925	KROK	94.5	LA	Shreveport, g			
		1600	KOAG	103.5	CO	Denver, auto-r	1933	KIKK	95.7	TX	Houston, auto-r			
		2023	KPIK	93.9	CO	Colo. Spgs, k	8/9	Tr	2350	WOI	90.1	IA	Ames, EL	
		2030	KTQM	99.9	NM	Clowis, Q100, r	GW	2359	WCBS	89.3	OH	Cleveland, Rock-95		
		2055	KSNS	96.1	LA	L. Charles, auto-r	8/10	Tr	1400	WTAN	90.1	IN	Indianapolis, m	
		2100	KGNC	97.9	TX	Amarillo, EL	8/11	Tr	0005	WUPR	102.9	MI	Grand Rapids, disco	
		2112	KSLW	93.5	OK	Woodward, EL	0050	WJMN	100.9	KY	Versailles			
		2125	KPEL	99.9	LA	Lafayette, P	0059	WMRY	101.1	IL	E. St. Louis			
		2132	KELT	94.5	TX	Harlingen, k	0120	WPAY	104.1	OH	Portsmouth			
6/10	Tr	0159	WVLC	92.9	KY	Lexington, s/off	0125	WVHI	105.3	IN	Evansville			
6/11		0142	WCLG	100.1	WV	Morgantown, LP-r	0150	KYXK	103.7	AR	Little Rock			
6/16		0105	WEIV	103.7	NY	Ithaca, CBN mx	0200	WSOY	102.9	IL	Decatur			
	Es	1902	WMJX	96.3	FL	Miami, 96X, r	0240	WQHI	95.7	IN	Jeffersonville			
		0705	WBUS	93.9	FL	Miami Beach, mx	0245	WXKE	103.9	IN	Ft. Wayne			
		0707	WJNO	97.9	FL	W. Palm Bch	0258	WSTM	103.1	KY	St. Matthews			
6/27	Es	1403	WFLA	93.3	FL	Tampa EL	2204	WMPQ	92.1	OH	Middleport			
		1415	WORJ	107.7	FL	Mt. Dora, LP-r	2215	WETA	90.1	DC	Washington			
		1910	WQID	93.7	MS	Biloxi, top-40 r	2252	WVPE	91.7	WV	Beckley, c			
		1917	WBLK	92.9	AL	Mobile, s	2359	WETS	89.5	TN	Johnson City, EL			
		1935	WELR	95.3	AL	Roanoke	8/12	Tr	0030	WMEW	88.9	TN	Chattanooga, g	
		1950	WRBQ	104.7	FL	Tampa Q105, top-40	0050	WVGV	101.9	WV	Logan, r, s/off	0100		
		2000	WSPB	106.3	FL	Sarasota	0059	WBRK	99.5	WV	Beckley, g			
		2001	WMTM	93.9	GA	Moultrie	0100	WVWR	89.1	VA	Roanoke, r			
		2012	WQSR	102.5	FL	Sarasota	GW	0105	WYEP	91.5	PA	Pittsburgh		
		2020	KIKR	93.3	TX	Pt. Arthur	Tr	0130	WGBI	101.3	PA	Seranton, auto-r		
		2030	KLEF	94.5	TX	Houston	0132	WFLN	95.7	PA	Philadelphia, c			
		2042	KLYX	102.1	TX	Clear L. City	0144	WBSA	103.3	PA	York, wx, EL			
		2105	WNOE	101.1	LA	New Orleans	0145	WLIF	101.9	MD	Baltimore FMI02			
		2115	WHJT	93.5	MS	Clinton	0146	WRCP	104.5	PA	Philadelphia, k			
		2210	KNUS	98.7	TX	Dallas	0220	WAVA	105.1	VA	Arlington all-mx			
		2115	WZGC	92.9	GA	Atlanta	0227	WPOC	95.5	MD	Morningside, r			
6/28	GW	0044	WXTQ	105.5	OH	Athens	0236	WPOC	93.1	MD	Baltimore, k			
	Es	2325	WMJX	96.3	FL	Miami	0302	WMMR	93.3	PA	Philadelphia, LP-r			
		2358	KGOW	92.1	OK	Sand Springs	0310	WRCV	92.1	PA	Mercersburg, auto-r			
6/29	Es	0002	KXXY	96.1	OK	Okl. City	0311	WIFI	92.5	PA	Philadelphia, r			
		0010	KVIL	103.7	TX	Dallas	0324	WDAS	105.3	PA	Philadelphia, j			
7/15	Es	1340	KFKA	96.1	CO	Greeley	0325	WMAR	106.5	MD	Baltimore, EL			
		1828	KELT	94.5	TX	Harlingen	8/21	Tr	0850	WRVO	89.9	NY	Oswego lcl, mx	
		1847	KTKN	98.7	TX	Victoria	0855	WXXI	91.5	NY	Rochester			
		1858	KQUE	102.9	TX	Houston	8/23	Tr	2258	WIBO	100.9	OH	Waverly, \$101 m	
Totals:		541	hrd,	32	states	plus DC.	73-George	8/24	Tr	0340	WLHN	97.9	IN	Anderson, \$98 EL

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

Despite my comments of this being a poor FM DX season, I find that I have to eat my words. 1976 has turned out to be my best season for number of stations logged. I've added 68 new ones to the log in '76 and the season isn't over yet. The stations logged in this report were either heard on a Zenith Trans-Oceanic w/whip or on a Magnavox floor model console on an outdoor log periodic for VHF-UHF-FM. This antenna is a Channel Master mounted about 30'. Stations logged on the Magnavox and antenna are indicated by the asterisks. New underlined.

8/2	Es	1655	WFSU	91.5	FL	Tallahassee	8/21	Tr	1000*	WEZR	106.7	VA	Manassas,L&C
		1705	<u>KJEL</u>	103.7	MO	Lebanon, ID			1050*	<u>WQED</u>	89.3	PA	Pittsburgh,c
		1711	<u>KLUM</u>	88.9	MO	Jefferson C.,s			1130*	<u>WJEJ</u>	104.7	MD	Hagerstown,Ae nx
		1729	WVNS	95.9	AL	Tuskegee (tent.)			1140				Pittsburgh stations L&C
		1737	WIRB	96.9	AL	Enterprise			1146*	<u>WJOI</u>	93.7	PA	Pittsburgh,EL
		1854	WPAP	92.5	FL	Panama City,o/WIFI			1158*	<u>WYDD</u>	104.7	PA	Pittsburgh,weak
8/7	MS	1514	UNID	97.1	w/Brewers, BB		8/22	Es	1925	WABB	97.5	AL	Mobile
8/21	Tr	0820*	<u>WLOA</u>	96.9	PA	Braddock,EL,(220)			1928	<u>WLPR</u>	96.1	AL	Mobile
		0822*	<u>WPEZ</u>	94.5	PA	Pittsburgh,\$2,(230)		Tr	2000	WOUR	96.9	NY	Utica
		0828*	<u>WTAE</u>	96.1	PA	Pittsburgh,r			2150	WKGW	104.3	NY	Utica,KG104
		0834*	<u>WAMO</u>	105.9	PA	Pittsburgh,\$106,s			2221	WHVS	97.7	NY	Hyde Park, EL
		0859*	<u>WDVE</u>	102.5	PA	Pittsburgh,talk	8/24	Tr	2114	<u>WAMC</u>	90.3	NY	Albany, c,Alb#1
		0900	WSHH	99.7	PA	Pittsburgh,EL			2230	<u>WPOC</u>	93.1	MD	Baltimore,k,(140)
		0908*	<u>WGMR</u>	101.1	PA	Tyrone,St. Col.ads			2330	<u>WLAD</u>	98.3	CT	Danbury,EL
		0945*	<u>WRLX</u>	106.9	NY	Auburn,EL,L&C	8/25	Tr	0048	<u>WBAB</u>	102.3	NY	Babylon,o/Wsus

The super Pittsburgh Tr opening is undoubtedly the highlight of this reporting period, oddly enough I hadn't even a sign of WEEP 107.9. Is this off the air? A tentative WPIT 101.5 was heard on the Zenith w/plant discussion (The kind you water, hi.) The Magnavox was not selective enough to cut thru the WGBI 101.3 sideband. The 8/22 Es was totally unexpected. 73.

Mike Bugaj - 69 Sherman Road - Enfield, CT 06082

EQUIPMENT: Kenwood KT-7001 tuner, Finco FM-5 antenna @ 35' w/rotor. This report covers 8/7 to 9/4. 8/20 had strong tropo to OH, DC & Pittsburgh, 8/22 had a strong Es opening, but 9/3 was really great w/Tr to Ont., Detroit, OH & western PA. Relogs are underlined.

8/7	Tr	1912	WJRZ	100.1	NJ	Ship Bottom,r	8/22	Tr	1615	WRDR	104.9	NJ	Harbor City, ID		
8/8	Tr	0000	WLIF	101.9	MD	Baltimore,\$EL		Es	1758	WNCG	95.5	GA	Athens,\$k		
		0030	WMAR	106.5	MD	Baltimore,\$EL			1754	WKIT	102.5	NC	Hendersonville		
		0045	WHP	97.3	PA	Harrisburg,\$EL			1805	WAGI	105.3	SC	Gaffney,\$nx		
		0102	WZBC	90.3	MA	Newton,r			1810	WELP	103.9	SC	Easley,nx,g prog.		
		0105	WCTX	92.1	PA	Palmyra,k,mono			1823	WRMF	98.3	FL	Titusville,\$YL dj		
		1040	CHLT	102.7	PQ	Sherbrooke,FP,c			1838	WRBQ	104.7	FL	Tampa,\$Q105,r		
		1200	WGBI	101.3	PA	Seranton,\$r			1858	WHBW	101.9	FL	Ft. Myers,mono		
8/9	GW	1810	WTOQ	102.1	PA	Phila.,\$r,WAQI off			1908	WLCY	94.9	FL	Tampa,\$r,Y95		
8/14	Tr	2236	WTBS	88.1	MA	Cambridge,r			2025	WRFS	106.1	AL	Alex, City,\$r		
8/19	Tr	2146	WTOS	105.1	ME	Skowhegan,\$r,YL dj		Tr	2033	WTLE	107.3	NY	Utica,top 40,\$		
8/20	Tr	0104	WGTP	90.1	DC	Washington,r			2220	WAVR	102.3	NY	Waverly,IL dj		
		2010	<u>WCLW</u>	105.3	OH	Mansfield,L&C ID			2226	WAAL	99.1	NY	Binghamton,\$r		
		2014	<u>WGMR</u>	101.1	PA	Tyrone,k,YL dj	8/24	Tr	1905	WRAK	102.7	PA	Williamsport,NEC		
		2028	WDVE	102.5	PA	Pittsburgh,r			2045	CEL	94.1	ON	Toronto,\$c,show mx		
		2029	WSHH	99.7	PA	Pittsburgh,\$EL			8/25	GW	2159	WBZA	107.1	NY	Glens Falls, BB
		2050	<u>WFBG</u>	98.1	PA	Altoona,L&C			8/28	MS	0845	WBKY	91.3	KY	Lexington, ID
		2306	WPEZ	94.5	PA	Pittsburgh,\$r			8/29	Tr	0815	WICB	91.7	NY	Ithaca,oldies
		2315	WLOA	96.9	PA	Braddock,m,\$97		9/3	Tr	0704	CJOM	88.7	ON	Windsor,nx,TC,m	
		2330	WRKY	103.5	OH	Steubenville,r			0730	WMUZ	103.5	MI	Detroit, ID		
		2336	WFAC	95.5	PA	Johnstown,sports			1750	WFRB	105.3	MD	Frostburg,k		
8/21	Tr	0030	WVBR	93.5	NY	Ithaca,r,lcl nx			2115	WDBA	107.3	PA	DuBois,FB,no WAAF		
		0032	WJOI	93.7	PA	Pittsburgh,"Joy"			2120	WCKC	103.7	PA	Erie,\$top-40		
		0058	<u>WQMS</u>	103.3	PA	Washington,\$L&C			2132	WRBO	97.1	OH	Ashtabula,EL,ABC		
		0100	KDKA	92.9	PA	Pittsburgh,EL			2155	WQMC	104.3	MI	Detroit,\$EL		
		0125	WMAL	107.3	DC	Washington,\$R			2210	WRVO	89.9	NY	Oswego,nostalgia		
		0128	WMDC	101.1	DC	Washington,\$r,DC101			2325	CHYM	96.7	ON	Kitchener,k		
		0129	WGAY	99.5	DC	Washington,\$99	9/4	Tr	0008	WGPR	107.5	MI	Detroit,\$lcl annt		
		0150	<u>WASH</u>	97.1	DC	Washington,L&C			0020	WNIC	100.3	MI	Dearborn,YL dj,wx		
		0158	WFPI	107.9	MD	Annapolis,g			0055	WBRG	98.7	MI	Detroit,\$,prayer		
		0224	WJEJ	104.7	MD	Hagerstown,m			0100	WWJ	97.1	MI	Detroit,\$EL,CBS nx		
		0229	WEEP	107.9	PA	Pittsburgh,\$k			0106	CKTB	97.7	ON	St. Catharines,\$EL		
		0245	CRCA	105.3	ON	Kitchener,good sig							(I assume your relogs are stations not new to your log -- i.e. logged more than once.-fn)		
		0316	WAEZ	97.5	OH	Akron,EL,lcl ad									

(Mike Bugaj report-continued)

No doubt that everybody has read Peter Oprisko's articles on the SONY ST-5130. After trying in vain to find a Sony dealer in the Hartford area who carried the tuner, I wound up at Carston Studios in Danbury, where I bought one for \$245. I've only used it for two days now, but it seems to be all that Pete says it is. Sensitivity and adjacent channel selectivity are better than my Kenwood's. Almost all of my overload problems are gone. If you would like to buy a darn good tuner (my KT-7001), I will sell mine to anyone needing a good DX tuner, but can't afford to pay \$200 for one. Write me or call me at 203-749-7633. Mike.

Peter Oprisko - 1932 New York Avenue - Whiting, IN 46394 (CDT) 219-659-2954

After missing two of the best E-skip openings this season, due to conflicting work schedules, I caught a strong Autumnal trop. It almost put me over my goal of logging 100 educational band stations in one year's time. Will I make it? Who knows. After 9 months of FM DXing, I have now logged my 99th educational band station. The trop opening also netted more than 20 rarely heard commercial stations. It got so intense that I turned to the map of Michigan in the FM Atlas and any station I tried for came in with full quieting, interference-free.

Equipment: Sony ST-5130 tuner, single Channel Master Probe 9 (Model 4408) antenna mounted horizontally at 60' on a Rohn 20-G tower, Cornell-Dublier AR-40 rotor and Balden 8285 300-ohm lead-in. (No traps, no booster)

8/16 Tr 0054 WGLT 89.1 IL Normal (105) j, ID, s/off, 2310w.
 8/30 0010 WSMC 90.7 TN Collegedale (475) TT
 9/2 1040 WJEF 91.9 IN Lafayette (100) "WJEF puts you in the middle of things"
 9/13 0505 WCDR 90.3 OH Cedarville (260) nx, ID, annt about now s/on hr.
 9/20 0102 WSUP 90.5 WI Platteville (180) s/off ID after WKAR s/off
 9/27 0140 WEST 90.3 WI Oshkosh (160) ID by student dj Tom Koch, s/off at 0200
 9/28 1231 WBDG 90.9 IN Indianapolis (160) ID, IN wx, nx
 9/29 1650 WEPS 90.9 IL Elgin (50) dj-Doug Hill
 10/3 0731 WLSU 88.9 WI La Crosse (240) s/on ID, j, dj-Tom Rieland
 0900 WHEC 88.3 WI Menomonie-Colfax (310) ID, c

The tropo distances of these stations may at first seem unimpressive until you realize what low-powered signals these educational stations are transmitting; WJEF 250w., WBDG 320w., WEPS 380w., WLSU 690w. 73, Pete

CONFUSED by some abbreviations in the VUD? Use this handy reference list.

PROGRAMMING INFORMATION

ID - identification
 EE - English
 FF - French
 SS - Spanish
 cx - conditions
 mx - music
 nx - news
 wx - weather
 SSB - Star Spangled Banner
 ATB - America the Beautiful

DX COLUMN NOTATION

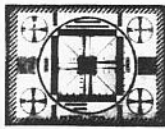
All columns use 24-hour time, with 0000 = midnight and 1200 = noon. (For example, 1351 = 1:51 P.M.)
 R - relog, N - new, T - tentative
 //- parallel to (same program as...)
 f/in(out) - fade in (out) \$=
 t/in(out) - tune in (out) stereo
 s/on(off) - sign on (off)
 Time zones are abbreviated; for an example, Eastern Standard Time is EST.

TYPES OF TEST PATTERNS

TP - test pattern
 CB - color bars
 GS - grey scale
 IHTP - indian head pattern
 RETMA - resolution pattern
 (see sketches to right)



IHTP



RETMA

TYPES OF PROPAGATION

Es - sporadic E (E-skip)
 Tr - tropospheric bending
 MS - meteor scatter
 LS - lightning scatter
 AS - aircraft scatter
 Au - auroral reception
 GW - groundwave (local)
 TE - transequatorial

MISCELLANEOUS ABBREVIATIONS

CCI - co-channel interference
 CP - construction permit
 dB - decibels (measure of gain)
 MUF - maximum usable frequency
 QRM - interference
 QSL - verification
 QTH - location
 STL - studio-transmitter link
 VUD - VHF-UHF Digest
 xltr - translator
 xmtr - transmitter

For further explanations, see Beyond Shortwave and FM Atlas.

SOUTHERN FM-DX

EDITOR:
David Cox

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

Reports should be mailed to: 2007-E Brandywine Ct.
Birmingham, AL 35216

Deadlines:
10th of the month

Perfect football weather was the rule during September and this meant an abundance of cool, clear days. Evidently most DXers were out cheering for their favorite team as only Holbrook reported any DX for the month, and then just a couple of tropo loggings. Band conditions here in Birmingham were down from the summer months as indicated by a drop in the strength of stations in the 80-150 mile category.

Hank Holbrook, 7211 Chestnut Street, Chevy Chase, MD 20015 EDT

DXing from our cottage at Fair Haven, MD overlooking the Herring and Chesapeake Bays 15 miles below Annapolis, MD. Underlined have already verified.

4 Jul	0805-0840	<u>WJRX</u>	100.1	Ship Bottom NJ trop/150mi. 3kw Fine verie recd from President of stn. Their first day of broadcasting having taken the @ 0600 that morning.
	1324-1332	<u>WLRN</u>	91.3	Miami FL skip/925mi. with patriotic type program and gave Florida address for booklet available
	1325-1332	<u>WCIE</u>	91.3	Lakeland FL skip Tentative. Gospel type program with Winter Park FL address given on one of programs. WAMR previously rptd and WFLA QSLd in 60s heard on this opening
5 Jul	0647-0710	<u>WQRK</u>	104.5	Norfolk VA trop/130mi. Rock. Often hrd but failed to verify previous report in '74 so re-reported.
19 Jul	1234-1246	<u>KROZ</u>	92.1	Tyler TX skip/1150mi. mor & number of ads. in and out of skip QRM
	1235-1240	<u>WJNS</u>	92.1	Yazoo City MS skip/895mi. 3kw Couple of ads for a fairly good report. skip QRM. Fine verie letter from president of stn. Sent copies of my rpt to two sponsors I hrd to show them they more than their money's worth!
	1305	<u>KSFA</u>	92.1	Nacogdoches TX skip/1150mi. wx & ad thru QRM on a crowded channel!
	1248-1301	<u>KAFM</u>	92.5	Dallas TX skip/1205 ads and country mx. over WRFL most of time. very strong
	1550-1602	<u>KICT</u>	95.1	Wichita KS skip/1135mi. seemed to be truckers stn ads for trucking service and songs about CB and trucks. Strong over WRBS
	1607	<u>WBBA</u>	97.7	Pittsfield IL skip/765mi. good on ad for festival in Griggsville IL. Over WAFI for only short period, which is like a local here
	1829-1835	<u>CJCB</u>	94.9	Sydney NS skip/1020mi. First NS here. My wife Mary Ellen tipped me off on this. Had been watching ch4 TV & noted CJCB-TV on rabbit ears. MOR on CJCB a real thrill!
24 Jul	1014-1025	<u>WCKW</u>	92.3	La Place LA skip/1010mi. rock and plenty of ads for good rpt. Over WLPL. "River Parish Radio" slogan

Not much DX in September. At the present time the rotor is stuck in a NE position, so our direction is limited!! Before the rotor went on the fritz, we got a couple of nice ones.

3 Sept	2110-2215	<u>WHOM</u>	94.9	Mt. Washington NH trop/490mi. 48kw nice MOR verie by letter
5 Sept	0249-0403	<u>WSUS</u>	102.3	Franklin NJ trop/200mi. 3kw have been after this stn a long time. Very difficult to copy. Verie by letter

Veries in in July (all letters) WKSS CN 95.7 50kw; WABE GA 90.1 30kw for 35th state; WKYT NY 92.3 9.25kw antenna atop Empire State Bldg; WWRN FL 92.1 3kw CE can't understand enjoying listening thru QRM!; WWPB NJ 90.3 16watts at 140 miles! very fine letter. Veries in during September - all letters WJOI PA 93.7 41kw; WQRK VA 104.5 50kw; WVPW WV 88.9 14kw; WARG VA 103.3 100kw; Veries from 780 stations in 35 states and from Nova Scotia, Quebec, Ontario and Manitoba plus Cuba, Bermuda, and Puerto Rico. Hope we can get the rotor and a bit of DX during the off season.

Mike Dorner, 1409 Hymelia Ave., Metairie, LA 70003 CDT

Heath AR-13A, small antenna @ 20 ft., CADCO preamp May-Aug 1976

May 9: KJEF-FM 92.7 Jennings LA "Stereo country", new format; ABC-Info. s/off 2305 ... KSNS 96.1 Lake Charles LA 2315 with promo, bumper sticker offer, and stereo rock, TM automated format. This station is new, with CP held since 1968 ... May 21: KUFO 106.5 Galveston TX with rock in stereo 1818; 1640 KCHU 90.9 Dallas in mono with phone number and address; black anncr playing Nat King Cole records; heavy on station promo ... May 22: 0000 KETR 88.9 Commerce TX in mono, free form program with jazz promos, news headlines and weather. s/off ... May 30: 2034 WABO-FM 105.5 Waynesboro MS, \$, spot for service sta -- 444th station ... 2058 WFSU-FM 91.5 Tallahassee FL, \$, Bach Organ fugue and Ravel piano concerto; long sought station, #145; 2059 WKMS 91.3 Murray KY "Voice of Murray State", out of weather at 2059, #146. 2100 WKNO Memphis TN 91.1, promo for Nat'l Press Club and into NY Philharmonic ... May 31: 0132 WDJC 93.7 Birmingham, gospel mx, mono; WPCB 94.5 Atlanta with wx and EZ mx, Schulke format #147; WNDA 95.1 Huntsville AL . out of weather, "#95", Mike LeBoeuf, anncr; ID "Contemporary Christian Sound"; WREZ 96.5 Birmingham, ID "FM 96", \$ ez mx; next, unid on 97.5 "Q97" promo for local wx -- "area's only full-time full power local news"; WMAZ-FM 99.1 "Stereo Rock 99 from Macon GA", (#149); WJMI 99.7 Jackson MS, \$, soul. 2000 CJRT 91.1 Toronto, end BBC concert, \$, "Sunday Special" prgrm with Austrian concert beginning. Shortly after WQLN 91.3 Erie PA with promo for All Things Considered. Prgrm \$: Music from Akron University.

July 7: KFRA-FM 105.5 Franklin LA, new freq., mono, "Summer hit mx", Black anncr. 0918 KOB3 104.5 Orange TX rock, mono. Casey's American Hit Parade. Sound is as tinny as ever. ... July 26: 0925 observed E-skip opening; WTCC 90.7 Springfield MA acid rock, ID at 0930; 0932 WBUR Boston MA, \$, jazz, community calendar, phone call from listener in Jacksonville FL who stumbled across the signal. I also called. They thought all this was due to a new transmitter they had just installed! 0948 WKGC 90.7 Panama City FL, "Stereo 90.7" "Music in the sun", rock. Several un-id's on 91.1 and 91.3 1001-1025. 1103 WXII-FM 91.5 Rochester NY id in passing, with promo, 1118 WUOM 91.7 Ann Arbor MI, Michigan news, affairs; 1121 sports mx and wx, mono. 1130 WIAA 88.3 Interlochen MI cl mx \$, promo, heavy QRM from KESD 88.3 Brookings SD, which shortly buried it. KESD end "Morning Carousal" prgrm, 15 min. news, \$... 1145 CJOM 88.7 Windsor Ont., \$, latin mx, spot for diet soft drinks; 1200 WLSU 88.9 La Crosse WI mono, out of "Voices in the Wind", ID; 1202 KCIC 89.1 St. Charles MO, mono, news for half-hour; 1230 WCAL-FM 89.3 Northfield MN, mono, news from NPR and BBC actualities; 1254 un-id with "Midday Business Page" on 90.3; 1300 KXCV 90.5 Maryville MO. promo for ATC on NPR; "Afternoon Concert" Chopin prelude; 1315 KWBI-FM 91.1 Morrison CO, \$ out of religious news, prgrm on disarmament talks; 1320 KCHU 90.9 Dallas, \$, prog rock and id ... 1325 KUNC-FM 91.5 Greeley CO, \$, NPR modular arts, weather, headlines, 0130 promos and cl mx ... July 29: after the spectacular opening which started 7/26 in the east and moved westward, today presented a spectacular opening into Mexico. I purposely avoided the usual Mexico City stations and concentrated on the smaller towns. 0948 XHCM 88.5 Cuernavaca, mono, Latin mor, ID "Radio Sensacion, el Poder", with spots and no rock; 0950 un-id, probably XHLM Cuernavaca 96.5, with Coca-Cola and other spots, \$ mor mx; 0953 XEWF-FM 96.9 Mexico City, prog rock, mono, Mex anncr, ID: "W-FM", spots (#463); 1000 XHNP 89.3 Puebla, \$, spot for "Chocolate Manzanas", ID "Stereo-mundo-expresion de la musica universal", US MOR mx ... 1005 un-id 92.5, prbly XHZM Puebla, spot, upbeat mx, ID? "----- mundial," 1010 KHSC 93.9 Guadalajara, new station, ID "Estereo-Globo", soft Latin mx, atmtd, heavily promoted; 1027 un-id 93.7 "Radio Joya", \$ spot, Latin mor, atmtd; 1030 un-id, mono 91.1 with spot for "Modas Europeas" ... 1045 "Stereo Rey", 95.5 Guadalajara, spots, ID in English with jingle, MOR mx. 1055 XEJB-FM 96.3 Guadalajara, aprallel AM, cl mx announcements; 1110 XHPF 91.7 Saltillo, spot for highway safety, music show on "El Obispo", rock mx, mono ID: "Sensacional Estereomundo"; 1121 un-id 95.1 (Irapuato?) spot: "Venga a Acapulco 26"; 1123 un-id 96.5, mono, Tropical mx, live YL anncr who not once in a half-hour identified the station. 1130 spot for "Novedades la Cita," 5 de Mayo Calle; July 31: 0958 KERA 90.1 Dallas, Michael Rasckin, "Days of the Fifties."

Aug. 2: 1150 un-id 88.3 in Ohio, mono, lesson nature walks in Ohio, mentioned goldenrod; Ohio Natural Resources, Fountain Square, Columbus; 1152 James Bond theme; 1155 promo on hour, local wx, cl selection: faded before 1200. (many thanks for the report Mike. Mike also notes there was a good tropo opening August 10 but didn't include it this month in order to keep his report from being too lengthy... dsc)

I am in the process of getting permission to put up an antenna on the roof of the apartment building where I live. Hopefully, it will be in operation by the first of the year so I will be able to start contributing some DX myself. This homemade, indoor dipole I am currently using is just not doing the job.

We hope the fall and winter months won't be completely DXless, but regardless, let us know. Til next month,

WESTERN FM-DX

Steven C. Wiseblood
707 Loma Way
Santa Maria, CA 93454
Deadline: December 15th

Danny Buntin, 1020 S. Duncan, Stillwater OK 74074 (CFT) (8/9-9/6)

My DXing equipment includes: Pioneer TX-9100
11 Tr 1000 KALO 98.9 KS Leavenworth, EL, ID
20 Es 1100 WJCT 89.9 FL Jacksonville, ID
1109 WPXI 95.1 SC Charleston, SOL, ID
1121 WKTM 102.5 SC Charleston, ID
1131 WSCI 89.3 SC Charleston
22 Es 1816 WKZQ 101.7 SC Myrtle Beach, ID
1818 WSFL 106.5 NC Bridgeton, ID
1822 WPCG 105.1 NC Durham, ID
1830 WEQR 96.9 NC Goldsboro, ID
1836 WSFL 106.5 NC Bridgeton,
"Rock of the Piedmont"
1843 WLSE 94.3 NC Wallace, ID
1843 WNCN 107.7 NC Greenville, ID, EL

tuner, Antennacraft ant. at 34'.
22 Es 1846 WLTA 99.7 GA Atlanta, "Stereo
Machine"
1852 WRAS 88.5 GA Atlanta
1902 WKEU 97.7 GA Griffin, EL,
"Music in the evening.....on Q97"
1904 WJLM 97.3 GA Savannah, EL, ID
1910 WOKA 106.7 GA Douglas, promo
for rally at Dodge County Courthouse
1916 WSBI 100.7 GA Brunswick, ad
1920 WREL? 102.9 GA Columbus, "Dialogue"
23 Es 1925 WLLA 107.1 GA Claxton, ID
1930 WJCL 96.5 GA Savannah, ad
1940 WDIZ 100.3 FL Orlando,

Ron Wing, 520 E. Central, Apt. 111, Wichita KS 67202 (8/7-8/9) (CFT)

Equipment includes: In-dash Craig 3146 in my
7 Tr 0755 KBEQ 104.3 MO Kansas City 180
2215 KCIZ 104.9 AR Springdale, wx 205
2230 KCFO? 98.5 OK Tulsa, REL 135
2230 KWTO 98.7 MO Springfield, ad 230
2235 KMAG 99.1 AR Ft. Smith, MoR 230
2235 KTEN 93.3 OK Ada
2301 KRAV 96.5 OK Tulsa
2307 KAKC 92.9 OK Tulsa
2315 KMOD 97.5 OK Tulsa
2327 KLOQ 106.1 KS Lyons
2330 WEZI 105.9 TN Memphis, ad, ID
2330 KUOA 105.7 AR Siloam Sprs., lcl nx
2330 KOFM 104.1 OK Oklahoma City, \$
2339 WQUD 104.5 TN Memphis, nx 460
2348 KPCG 102.5 MO Joplin, Penticostal

car. It was installed 8/1.
8 Tr 0005 KMAG 99.1 AR Fort Smith, s/olf
0008 WSPS 97.1 TN Memphis, ID 460
0016 WQUD 104.5 TN Memphis, "Quad-104",
stronger than at 2348, \$ lite is on.
0020 KAFG 102.7 OK Oklahoma City, \$,
"K-103"
0025 KFJL 98.9 OK Oklahoma City, \$
0026 WIBW 97.3 KS Topeka, \$ID 135
0135 KLOL 99.3 OK Ponca City 75
0140 KOKY 96.1 OK Oklahoma City 150
0758 KSWT 107.7 KS Topeka, ID 135
"K-Sweet-108"
9 Tr 0716 KOAX 105.3 TX Dallas, \$MoR 340
0745 KSCS 96.3 TX Ft. Worth, \$C&W 340
0755 KGAF 94.5 TX Gainesville, ad 280

Pat Dyer, 5315 Silvertip Dr., San Antonio TX 78228 (Jul 29- Sep 7) (CST)

29 Es 0903 XHNP? 89.3 PUE Puebla, MoR 735
0903 XHM? 88.9 DF Mexico City 690
0903 XHCM? 88.5 MOR Cuernavaca 735
0905 XHQK? 91.3 DF Mexico City 690
0905 XEBS? 89.7 DF Mexico City 690
0905 XEJP? 93.7 DF Mexico City 690
0905 XHSH? 95.3 DF Mexico City 690
0905 XELA? 98.5 DF Mexico City 690
0905 XHDFM? 106.5 SDF Mexico City 690
0905 XHBS? 104.9 DF Mexico City 690
0912 XHPOP? 99.3 DF Mexico City 690
0912 XLRG? 97.7 DF Mexico City 690
0912 TQHR 98.6 GUAT Guatemala City
0912 XEW 96.9 DF Mexico City, "W-FM"
0915 XHJE? 94.1 PUE Puebla 735
0915 XHLM? 96.5 MOR Cuernavaca 690
0923 XHLC? 98.7 JAL Guadalajara 690
0925 XEBA? 97.1 JAL Guadalajara 690
0925 XHRO? 95.5 JAL Guadalajara 690
0928 XETIA 97.9 JAL Guadalajara 690
0929 KMEO 96.9 AZ Phoenix, ID 835
0931 KBBC 98.7 AZ Phoenix, RR 835
0937 KUPD 97.9 AZ Tempe, ID 825
0937 KPSP? 94.1 CA San Diego, Cl 1120
0937 KLRO? 94.9 CA San Diego, REL
0937 KYXY? 96.5 CA San Diego, EL 1120
0937 KDIG? 98.1 CA San Diego, RR 1120

29 Es 0940 KDNQ? 98.5 CA Delano, REL 1265
0942 KWXY 98.5 CA Cathedral City, ada
0945 KWS 105.9 CA Los Angeles, nx
0945 KNAC? 105.5 CA Long Beach 1180
0947 KOTE 106.3 CA Lancaster, ID 1190
0947 KPRI 106.5 CA San Diego, ID 1120
0950 KBCA 105.1 CA Los Angeles, ID
1019 KAPX 107.9 CA San Clemente, ID
1023 KBIG? 104.3 CA Los Angeles, EL
1025 KULH 102.3 CA Compton, I 1190
1028 XHVG? 103.3 BCN Mexicali, SS 1010
1029 KHAY 100.7 CA Ventura, ad 1250
1029 KSTM 107.1 AZ Apache Junction 810
1029 KOST 103.5 CA Los Angeles, ad
1052 KGB 101.5 CA San Diego, ad 1120
1054 KMAX? 103.7 CA San Diego, C&W 1120
1059 KMAY 107.1 CA Arcadia, REL, ID
1107-1200 trying to ID VOR's above 108
1128 "IGM" 106.8 AZ Kingman, (code ID)
1221 KJUC 98.5 NV Las Vegas, ID 1050
1239 KMTW 96.5 ID Twin Falls, ID 1265
1245 KALL 94.1 UT Salt Lake City 1080
1246 KCPX 96.7 UT Salt Lake City 1080
1259 KQWB 98.7 MN Moorhead, ID 1205
1259 WANG 98.5 MI Coldwater, C&W, ID
1305 KQDY 94.5 ND Bismark, ID 1200
1307 KJMJ 93.3 ND Jamestown, ad 1200

29 Es	1309	KEZJ?	95.7	ID	Twin Falls	1265	8 Es	1005	TGRT?	88.8	GUAT	Guatemala City
	1310	KMTN	96.9	WY	Jackson, ads	1175		1025	WTOC	94.1	GA	Savannah, ad
	1320	KBYU?	88.9	UT	Provo, Cl	1045		1025	WSGF	95.5	GA	Savannah, ad
	1328	KUER?	90.1	UT	SLC	1089		1027	WJCL	96.5	GA	Savannah, ad
	1350	apx f/outs						1032	WBEU	98.7	SC	Beaufort, EL
	1520	UnID	80.3		briefly			1052	WMPR?	88.1	SC	Sumter
31 Tr	0145	KIEL	95.1	TX	Beaumont, EL	275		1315	UnID	89.5		brief
Es	1636	KLON?	88.1	CA	Long Beach, EL	1180		1342	XHM?	88.9	DF	Mexico
	1645	KSDS?	88.3	CA	San Diego	1120		1342	KEBS?	89.7	DF	Mexico
	1645	KLLU?	89.7	CA	Riverside	1140		1343	XEDA?	90.5	DF	Mexico
	1645	KCRW?	89.9	CA	Santa Monica	1200		1344	XH-X?	91.7	DF	Mexico
	1648	KFSD?	94.1	CA	San Diego, Cl	1120		1345	XEJP?	93.7	DF	Mexico
	1648	KPOL?	93.9	CA	Los Angeles, EL	1190	9 Es	1028-1050	UnIDs	89.3, 91.1, 88.9, 88.3,		
	1648	KLRO?	94.9	CA	San Diego, REL	1120	MS	1100	WDYN	89.7	TN	Chattanooga, nx
	1648	KMBR?	94.7	CA	Los Angeles	1190	10 Es	0950	XHLIS?	90.3	BCN	Tijuana
	1649	KWKY?	98.5	CA	Cathedral City	1080		0955	KPBS?	89.5	CA	San Diego, CL
	1649	KJOI?	98.7	CA	Los Angeles, EL	1190		1013	KCRW?	89.9	CA	Santa Monica, EL
	1651	KAPX?	107.9	CA	San Clemente	1150		1013	KLON?	88.1	CA	Long Beach
	1654	KPRI	106.5	CA	San Diego, RR	1120		1013	KPCS?	89.3	CA	Pasadena
	1657	KBCA?	105.1	CA	Los Angeles, JAZ			1017	KCSN	88.5	CA	Northridge, ID
	1700	KWST	105.9	CA	Los Angeles, RR			1017	KUSC?	91.5	CA	Los Angeles, CL
	1706	KCSN?	88.5	CA	Northridge	1210		1018	KLLU?	89.7	CA	Riverside
	1709	KPCS?	89.3	CA	Pasadena	1185		1021	KJOI?	98.7	CA	Los Angeles, EL
	1716	KBBL?	99.1	CA	Riverside, REL	1140		1021	KMET	94.7	CA	Los Angeles, ads
	1717	KNOB	97.9	CA	Long Beach, EL	1180		1023	KVIM?	93.7	CA	Coachella, SS
	1735	spotty	88-90					1023	KPOL?	93.9	CA	Los Angeles, EL
	1832	KBYU	88.9	UT	Provo, Cl	1045		1025	KWXY?	98.5	CA	Cathedral City
	1832	KUER?	90.1	UT	SLC	1080		1028	KPKF	90.7	CA	Los Angeles, PSA
	1837	KALL	94.1	UT	Salt Lake City, EL		11 Tr	0005	KEBC	94.7	OK	Oklahoma City, 420
	1918	WEKU	88.9	KY	Richmond	995		0043	KOPM	104.1	OK	Oklahoma City, 420
	1929	WKMY	90.3	KY	Morehead, sports			0117	KOXY	96.1	OK	Oklahoma City 420
	1945	WIAA?	88.3	MI	Interlochen, Cl		Es	0953	WUSP?	89.7	FL	Tampa
	1958	CJOM	88.7	ON	Windsor, ID	1230		1055-1100	UnIDs	89.7, 89.3		
1 Tr	0029	KIEL	95.1	TX	Beaumont, ID	275	MS	1124	WMIX	94.1	IL	Mt. Vernon, nx
2 Es	0913	KPBS?	89.5	CA	San Diego	1120	12 Es	1211	WMUS	106.9	MI	Muskegon, ad
	0913	KPCS?	89.3	CA	Pasadena	1185		1212	WOOD	105.7	MI	Grand Rapids, CL
	0916	KPKF?	90.7	CA	Los Angeles	1190		1214	WVGR?	104.1	MI	Grand Rapids, CL
	0920	KCRW?	89.9	CA	Santa Monica	1200		1226	WIAI	99.1	IL	Danville, C&W
	0927	XHIS	90.3	BCN	Tijuana, ad	1100		1226	WTHI?	99.9	IN	Terre Haute
	0945	KLLU?	89.7	CA	Riverside	1140		1227	WKVI?	99.3	IN	Knox
	0945	KCSN?	88.5	CA	Northridge	1210		1229	WQLR	106.5	MI	Kalamazoo, ID
	0945	KUSC?	91.5	CA	Los Angeles	1190		1230	WFMT	98.7	IL	Chicago, ED
	0945	XHJM?	92.5	BCN	Tijuana, SS	1100		1232	WOJO	105.1	IL	Evanston, ad
	0945	KSDS?	88.3	CA	San Diego	1120		1237	WAUR	107.9	IL	Aurora, ID
	0950	KLON?	88.1	CA	Long Beach	1180		1238	WYEN	106.7	IL	Des Plaines
	1414	KBYU?	88.9	UT	Provo, Cl	1045		1243	WSWT?	106.9	IL	Elmwood Park
	1415	KUER?	90.1	UT	SLC, opera	1080		1247	WXFM	105.9	IL	Elmwood Park
5 Es	1001	KPBS?	89.5	CA	San Diego	1120		1248	WXRD	105.5	IL	Woodstock, ad
	1002	KFSD	94.1	CA	San Diego, CL	1120		1256	WSPY	107.1	IL	Plano
8 Es	0900	WUSP?	89.7	FL	Tampa, CL	985		1259	WFAW	107.3	WI	Ft. Atkinson
	0900	WFLA?	93.3	FL	Tampa, EL	985		1304	WOSH	103.9	WI	Oshkosh
	0908	WVFM?	94.1	FL	Lakeland, EL	1010		1322	WTMB	98.9	WI	Tomah, ads
	0950	WSCI?	89.3	SC	Charleston	1120		1328	WSPT	97.9	WI	Stevens Point
	0955	WJCT	89.9	FL	Jacksonville, "\$90"			1330	WDLB	106.5	WI	Marshfield, wx

The FM Es season has finally come to an end. After a rather delayed start, it more than made up for it. My station count actually did make it over 1000. As of this very moment my totals stand at 1041 (with 830 by Es). My efforts during the Perseid shower were largely on TV. I didn't use my automatic taping system (as during '74 & '75). as it did turn out, the shower didn't seem to be all that good anyway. (It had its good moments-ed)

ATTENTION ALL DXers: November through January are traditionally the best time of the year for Meteor Scatter. Best times to listen are from 2-8am local time. Frequencies such as 92.1, 94.3, and 96.7 are the best frequencies to hear ME on since these, as well as all other class A frequencies, have more stations per channel than Class B&C frequencies.

Es here as been nil on FM since Mid-August, but proved to be quite decent on TV Channels 2 through 5 in early October. Most openings tended to be stationary from Midland Texas southward into Chihuahua-Torreón areas.

Well, 73's for now, I hope to be back next month with at least one report next month, my own (HI!).

PS SPECTRUM

Terry Colgan
8120 Ripplewood Drive
Austin, TX 78758

MORE ON S-9 AND CRB

The Spetember column on S-9 magazine and Communications Research Bureau (CRB) brought quite a few comments, all of them basically agreeing with my appraisal of the situation. Two rather interesting pieces of information have come in. Neither of them ~~has been~~ "proved" in the true sense of the word, but both come from reliable sources who choose to remain nameless. One report states that Rick Maslau is the "pen name" of S-9 editor Tom Kneitel. If this is true, it serves as a further indictment of the motives of S-9 and CRB. Another report notes that a company that is often plugged in S-9's "Monitor Post"--Z-Tech Enterprises--is a "shadow" company owned by the S-9 editorial staff. Things get more and more interesting!

CONSTRUCTION PROJECT

I was digging around in a box of old PE and EI magazines and found an antenna project that should produce an improvement over what some of you may presently be using on the VHF-high band. Hunt out a copy of the December 1966 Popular Electronics, flip to page 46, and try your hand at putting together a "J" antenna. All you need is 51" of 300-ohm twin-lead and about 20 minutes of time.

CLUBS

Some of you may be interested in the Radio Communications Monitoring Association (P.O. Box 4563, Anaheim, CA 92803). Although the club concentrates on monitor enthusiasts in the southern California area, they welcome members from all over. Why not drop them a line for further information?

PUBLICATIONS

Handler Enterprises (P.O. Box 253, Deerfield, IL 60015) offers an assortment of 27 publications oriented toward the utility DXer. Unfortunately, most of them have little, if any, usefulness for the VHF/UHF DXer. The only lists of much general interest are the "U.S. Government VHF-UHF List" (USG-2, \$1.25), "List of Satellite and Astro-physical Stations" (ASF-1, 50¢), and the "List of Pager and Radiotelephone/Radio Common Carrier (RCC) Stations" (PP-1, 75¢). Of local interest are comprehensive listings for the Chicago and Milwaukee areas. The only list I've seen covers pagers and radiotelephone stations. While it includes four pages of station data, it is incomplete and in some cases incorrect. However, it is the only such listing on the market.

A recent flyer from Gilfer Associates (P.O. Box 239, Park Ridge, NJ 07656) lists the third edition (1976) of Robert Groves' Confidential Frequency List (84 pages, \$5.45). The book supposedly contains "selected VHF/UHF 'confidential' frequencies" in the various radio services. I'm rather skeptical about the value of these listings based on other books of this type. If anyone has purchased a copy and would like to share his thoughts with other club members, I'd like to hear from him.

TV CCI

UNIDENTIFIED TV-DX

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

NOVEMBER 1976

- Paul Traska, 64 Weaver Ave., Buffalo, NY 14206 (1976 unids)
 Mon Jun 7 Es ch 3 1330 EDT--ID slide, fading, saw D-3 in the slide, later KDAL seen, same ant. heading. What ch. 3 IDs as D 3? Not KDAL. Anybody have any ideas? KDLO seems to be the only possibility as it is the only station in that area with a D in its call but I have never seen them ID as such (FEA). Maybe the D stands for something other than part of a call sign (FEA).
- Fri Aug 6 Es ch 3 2133 EDT--"Don Adams Screen Test." Antenna S/W. None of TV GUIDES check, possibly a program change. Anybody know of a ch. 3 running this at this time (FEA)?
- Jim Alexander, 4 Brook Court, Parsippany, NJ 07054 (1976 unids)
 Fri Jun 11 Es ch 2 2030 EDT--Auction on what appeared to be a PRS station trying to raise money. Board was shown with items listed. Phone numbers seen were 645-8571 and 645-9283. No area code was given. Station had to be either a + or - offset. PTA: West. Suspect KTGA. KTGA checks, they ran their 1976 "Action Auction" from the 6th to the 12th (FEA).
- Robert Williams, 251 6th Ave. East, Twin Falls, ID 83301 (1976 unids)
 Sun Jun 13 Es ch 3 1518 MDT--Golf in progress, language was not English, probably French. Appeared to be same game on CBWT-6. CBWFT? TV GUIDE shows CBWFT running a sports program at this time. Does not indicate if it is golf but this is probably it (FEA).
- Sun Jun 27 Es ch 3 1423 MDT--Again probably a French language program. "Radio-Canada" was seen on automatic pinsetter-sweeper for Bowling program. TV GUIDE is positive for Bowling at this time for CBWFT.



In the March 1976 TV-CCI TV GUIDE CODE LIST one was left out. Use GCO for the Gulf Coast Edition.

Paul Traska sent in the new WEEN Logo. This one replaces the old screen with Buffalo logo.



Regional TV Networks

METROMEDIA

WTCN ch. 11 Minneapolis MN



KMBC ch. 9 Kansas City MO



KTTV ch. 11 Los Angeles CA



WNEW ch. 5 New York City NY

WTTG ch. 5 Washington DC

(continued on page 52)

Aviation DX is full of excitement and drama, and it can be yours if you know where to look. This article will give you good hunting grounds for VHF-UHF aviation DX. This type of DX is line-of-sight; however, it has special features not associated with other forms of utility DX. The first of these features is that of power outputs. Ground Controls and Clearance Deliveries need only to transmit to the airport boundary, while center controllers must span whole sections of the country. The second feature is that of antenna heights, which range from a few feet above the ground to 50,000 feet. Line-of-sight equal to 250 miles is a fact of life in this world.

For those of you who would like to hunt for aviation DX, try this trail of "hot" frequencies. Let's start with an emergency on 121.5 or 243.0 (guard frequency). If you live near a military airport, try 126.2 or 236.6 for the tower frequency and 134.1 for the approach control frequency. Civilian towers are commonly found on 257.8 (sometimes .6 or .9) or between 118.0 and 120.9 with 118.x (x=odd number, usually 3) as your best bet. Ground control is 275.8 (military), 348.6 (civilian), or 121.y (y=odd number, 7 and 9 are favorites). You'll find Flight Service stations on 255.4 or 122.2, 122.6 or 123.6, and their call sign is "Radio." If the airport near you doesn't have a tower, the busy frequency is 122.8 or 123.0; these answer to "Unicom."

Two other frequencies without rhyme or reason are 130.65 (Military Airlift Command Operations Centers) and 123.45 (the illegal but lively Airliner Party Line). You can get additional frequencies from a sectional chart (obtainable at your local airport), or keep a pencil and pad handy to jot down frequencies as the aircraft are handed from one controller to another.

There are no hard and fast rules in aviation DX, but you will generally find military aircraft on UHF and the rest of the flying world on VHF.

Lurking just above the commercial FM band are the VHF omni-directional stations (VOR's) and Instrument Landing Systems stations (ILS), in the 108 to 118 MHz range. These stations are used for air navigation and are high powered units whose ground range is guaranteed to be 50 miles. Although they mostly identify themselves in Morse code, there are a great number of "talkies" with voice identification and/or weather and airport information broadcasts. VOR's use a 3-letter identifier, and ILS's use "I" and a 3-letter identifier. Just as channel 6 TV stations are often received on FM tuners, some of the lower VOR's may be in range for some of you with FM equipment.

The following is a list of selected VOR's:

<u>NAME</u>	<u>FREQ</u>	<u>I.D.</u>	<u>NOTES</u>
Atlanta GA	115.6	ATL	B-H
Baltimore MD	115.1	BAL	B-L
Boston MA	112.7	BOS	B-H
Chicago IL	113.9	ORD	-L
Cincinnati OH	117.3	CVG	-L
Cleveland OH	113.6	CLE	B-H
Detroit MI	111.2	DTL	-T
Indianapolis IN	116.3	IND	-H
Kansas City MO	112.6	MCK	B-H
Los Angeles CA	113.6	LAX	-H
Miami FL	115.9	MIA	B-H
New Orleans LA	113.2	MSY	B-H
Oklahoma City OK	115.0	OKC	B-H
Philadelphia PA	112.0	PNE	B-T
Pittsburgh PA	109.4	IRL	B-L
St. Louis MO	117.4	STL	-H
San Francisco CA	111.6	SFO	-L
Washington DC	111.0	DCA	-L

H - High altitude/power - 50 miles
L - Low altitude/power - 50 miles

T - Terminal - 25 miles
B - Weather Bcst 15 past the hour

73, Daniel J. Flak

Memorabilia

Robert J. Williams
261 6th Avenue East
Twin Falls, Idaho 83301

Deadline: 12th of month

This month's contributions to "Memorabilia" come from Clarke W. Ingram (an old London newspaper radio schedule with TV listing from 1938, and a drawing of a test pattern used by KID-3 Idaho Falls, Idaho back in the 1960's from your MEMORABILIA editor. I was unable to get a photo of this pattern back then, but the drawing is correct in every detail as I remember it. The pattern was used when the old DuMont network was still in operation.

Page 24.—SUNDAY GRAPHIC and SUNDAY NEWS, October 2, 1938.

Your Radio

London
(England)
radio
schedule
(CWI)

NATIONAL

(1,500 Metres)

- 9.25.—A Religious Service, Church of England; address by Ven. Archdeacon A. D. Gilbertson, from H.M.S. Excellent, Portsmouth.
- 10.30.—Weather Forecast.
- 10.45.—The B.B.C. Military Band
- 11.30.—The Karl Caylus Players.
- 12.0.—Dorothy Hildreth.
- 12.20.—Yascha Krein and his Gypsy Orchestra, with Anne Lawrence.
- 1.0.—Orchestral Hour: Favourite pieces from the repertoire of the B.B.C. Midland Orchestra.
- 2.0.—In Your Garden, by C. H. Middleton.
- 2.20.—Reginald King and his Orchestra.
- 3.0.—Harold Scott.
- 3.15.—Harold Sandler and his Viennese Octet.
- 4.0.—New Books on Religion.
- 4.20.—Troise and his Mandoliers
- 5.0.—Christian Unity—1.
- 5.20.—The B.B.C. Orchestra
- 6.15.—Night Taxi, by Herbert Hodge.
- 6.30.—Alfredo Campoli and his Salon Orchestra.

REGIONAL

(342.1 Metres)

- 9.25.—National. 3.0.—Scottish.
- 4.0.—M edvedeff's Balalaika Orchestra.
- 4.20.—Music of the Week by Sir Adrian Boult.
- 4.30.—For the Children.
- 5.0.—Midland.
- 5.40.—Round the Courts.

WELSH

(373.1 Metres)

- 9.25.—National.
- 11.0.—Gwasanaeth Creifodol; Pregeth gan y Farch. Tom Nefyn; Organydd. Glyn Roberts of Eglwys Biesoyeraidd Cymru. Gerlan. Arfon.
- 12.20.—National. 3.0.—Scottish.
- 4.0.—All Han Y Drama Fawr. 1.—Act y Gyfies at Arddelad. gan W. D. Davies.
- 4.20.—Regional.
- 4.30.—A Recital of Sacred Music.
- 5.0.—The New Continental Novelty Trio.
- 5.25.—Northern. 5.40.—Regional.
- 6.0.—Northern. 7.0.—Regional.
- 7.55.—Church of England Service; address by Archbishop of Canterbury, from a Studio.
- 8.50.—News and Weather.
- 9.5.—Regional.
- 9.25.—Hunangofiant Crwydryn; Darllenir darnau gan Stephen J. Williams.
- 9.50.—The B.B.C. Welsh Orchestra
- 10.30.—Epilogue.

TELEVISION TO-DAY

- Vision: 45 Mc/s.
- Sound: 41.5 Mc/s.
- 8.50.—News Bulletin.
- 9.5.—Film: Book Bargain.
- 9.15.—"Laugh With Me" a comedy by Adelaide Eden Phillips; television presented by Lanham Titchener, with the Birmingham Repertory Company, directed by Herbert C. Prentice.

- 6.0.—Charles Ernesco and his Quintet, with Anne Ziegler.
- 6.30.—Midland.
- 7.0.—Beethoven—The Hammerklavier Sonata, Op. 106 in B flat, played by Egon Petri.
- 8.0.—National.
- 8.45.—The Week's Good Cause.
- 5.0.—News and Weather.
- Melodies of Christendom, anology of Sacred Music.
- Barnum — The Greatest Earth, by Herbert Kennerly and Harold Scott.

MIDLAND

(296.2 Metres)

- 4.0.—Regional.
- Engleman's Quintet.
- Adcock.
- onal.
- in the Midland Theatre:
- growth of the Oxford
- reire, arranged and
- Anthony McDonald.
- nal. 8.0.—National.
- Week's Good Cause
- s and Weather.
- 10.30.—Epilogue.

SCOTTISH

(391.1 Metres)

- 9.25.—National.
- 11.0.—Mod A' Chomuinn Ghaidhealach Seurhus Ghaidhlig; An Seasmor—leis an Urramach Alasdair MacDhonnhuill, a Eaglais Chluain Chille, Glaschu.
- 12.0.—National.
- 2.20.—A Story of the Killing Times from Memoirs of the Church of Scotland.
- 2.20.—National.
- 3.0.—Music from the Cathedral of Dunblane; The Choir of the Cathedral; The B.B.C. Scottish Singers; The B.B.C. Scottish Orchestra, conducted by Ian Whyte; notes and introductions by Rev. J. Hutchison Cockburn.
- 4.0.—Regional. 5.0.—Midland.
- 4.0.—Regional. 6.30.—Midland.
- 7.0.—Regional. 7.55.—National.
- 8.45.—The Week's Good Cause.
- 8.50.—News and Weather.
- 9.5.—Regional. 10.30.—Epilogue.

KID-TV 3
Idaho Falls
(RJW)



73a, gud DX,
Bob



INTERNATIONAL NOTES from

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

Hora	Canal	Programas
7:00	(2)	El Observador Venezolano (1 Emision)
7:30	(2)	Lo de Hoy
8:00	(2)	El Observador Venezolano (2 Emision)
8:30	(2)	Television Educativa
9:00	(8)	Television Educativa
9:30	(4)	Himno Nacional
9:35	(4)	Television Educativa
10:00	(2)	El Espectaculo de Bull Wink
10:30	(2)	El Show de Dick Van Dyke
11:00	(2)	El Choter
	(8)	Festival de Comiquitas
11:30	(2)	Aqui esta Lucy
	(8)	Woodbuda y George de la Selva
11:45	(4)	Alegres Aventuras
TARDE:		
12:00	(2)	M ^h Marciano Favorito
12:15	(4)	Los Angeles Azules
	(8)	Tele Diario
12:30	(2)	El Observador Venezolano (3 Emision)
	(8)	Pantalla Abierta
12:45	(4)	Lo que pasa en el Mundo
1:00	(2)	Sabrina
	(4)	Paloma
1:30	(8)	Los Invasores
2:00	(2)	Engañada
	(4)	El Milagro de Vivir
2:30	(8)	Cine del Hogar
3:00	(4)	Mi Primer Amor
3:30	(2)	Jacinta Pichimahuida
4:00	(2)	Ultraman
	(4)	Hechizada
	(8)	Cartones
4:30	(2)	Chazam y el Mago
	(4)	El Libro de Salomón
5:00	(2)	Maravilla, el Regreso de la Mujer Maravilla
	(4)	Tardes Felices
	(8)	Las Travesuras de la Pandilla
5:30	(2)	Los Picapedras
	(8)	Fantasia Animadas
NOCHE:		
6:00	(2)	El Show de Abbott y Costello
	(8)	La Leona de dos Mundos
7:00	(2)	A Millón Muchachos
	(4)	Corre Joe, Corre
	(8)	Hola, Juventud
7:30	(4)	Helicoptero Numero 1
8:00	(2)	Radio Rochela
	(4)	Mision Imposible
	(8)	Programa de Comedia
9:00	(2)	Angelica
	(4)	La Zulhanita
	(8)	Hawai 5-0
10:00	(2)	El Observador Venezolano
	(4)	El Informador
	(8)	Tele-Diario
10:30	(8)	La Entrevista de Hoy
11:00	(2)	Con las Estrellas
	(4)	Grandes Misterios de Orson Wells
	(8)	Espectaculares Deportivas
11:00	(2)	Señor Cine
	(4)	Frente a la Prensa
11:30	(8)	Edición al Cierre de Tele-Diario
11:45	(8)	Cine Mundial
12:00	(4)	Mensaje en la Noche

El Universal-CARACAS Venezuela
July 26, 1976 (2= R. Caracas TV,
4= Venevision, 8= Cadena Venezolana
de TV...TVN5, Teletrece-13 not
listed)

Australia is being featured this month. Terry Robinson of Elsternwick, Victoria, Australia, sends the following:

TV: Australia has commercial (ITV) and non-commercial (ABC) stations on VHF. System B is used and the lowest channel is AUST-Ø at 46.25/51.75 MHz. It might be in the realm of possibility for West Coast US residents when the sunspots pick up. A UHF system planned for this or next year will use System G and both systems use PAL color. Channel AUST-5 has been reallocated for FM. Daytime TV is usually repeats of US sitcoms & soaps. ABC has large helpings of TPs and school programming. Most evening programs are US-originated on ITV. ABC uses more Australian programs and British material. Most films are US. (ABC refers to all Australian Broadcasting Corp. stations. On ITV stations, the first 2 call letters are the licensee, third is the province and the number is the channel.)

FM: There are two FMers in Melbourne. 3MBS-FM 93.7 MHz, 4 kw with horizontal polarization. It is listener-supported and in bad shape financially. The ABC FM network is on continuously except on Thursdays from 1000-1200. Stations are Adelaide-92.1, Melbourne-105.7, Sydney-92.9 and Canberra-101.9. Programming is mainly classical with some pop and regular, and originates in Adelaide.

NEW ZEALAND: Little information on TV, except that they shut down at 2230 local time. Don Voegele in Chico CA sent a copy of the NZ TV guide, The Listener. It shows 2 networks and much US & British programs, but no mention of any stations. FM doesn't exist in NZ except for one illegal student-run station in Wellington, which may be off the air by now.

This month's contribution from Keith Hamer (on the opposite page) covers Italian TV. To left is a Venezuelan TV listing. I wish more non-US members would follow suit and submit reports on their local TV and FM...

Mike Dalton would like to see a published list of FMers in South and Cent'l America. Any suggestions? Let's face it: WRTVH is almost worthless on the subject...

Cuba appears to have new TPs as noted in the July VUD DX columns. Reception here has been almost nil, so any information appreciated.

73's Ken

We continue our series of European Television Services for WTFDA Members by detailing RAI-Radiotelevisione Italiana. This Service could be received in the U.S.A. via F2 Layer propagation. The next sun-spot maximum will be in 1979-1980 and it is hoped that there will be several "exotic" signals received during this period.

Radiotelevisione Italiana have two National networks and are planning a third. Experimental colour transmissions are in progress using the PAL System.

Reception of RAI is very common in the United Kingdom with signal strengths at times equalling that of the local BBC-1 transmitter.

Only the Band I (Low Band) and Band II transmitters are shown on this map as these are the most likely to be received during favourable conditions. Radiotelevisione Italiana now use the Philips PM5544 electronic test card but at times, the old modified "Indian Head" Test Card is radiated and this includes transmitter identification numbers in the top right.



Regarding the upcoming sunspot maximum which Keith mentioned above, a Government scientist informs us that these conditions will begin to become noticed around 1978. According to Donald L. Lucas, assistant director of the Department of Commerce's office of telecommunications, the period of peak interference will last three to five years. "You can imagine the mess that will be caused by... signals all bouncing back to earth at random," says Lucas. "The reflected signals will cause a jumble of static that will knock out most local signals..." The interference, Lucas notes, will be most prevalent between 15 and 40 MHz--hitting the VHF radio bands. However, F2 skip (which increases in 11-year cycles as do sunspots) has been known to reach as high as TV channels 2 and 3 (60 MHz)--so, don't be discouraged by any means, fellow TV-DXers! CLARKE INGRAM

TV QSL CORNER

PAUL D. TRASKA
84 WEAVER AVENUE
BUFFALO, NY 14208

- CO KOA Ch 4 Denver-Lincoln St. 80204. L&M No SIGNER..... (?) (FA)
 CT WFSB Ch 3 Hartford-3 Constitution Plaza. 06115. L-Stephen J. Myers. 1 week (KRS)
 WHCT Ch 18 Hartford-555 Asylum St. 06105. L-Heidi Sugermeyer, PD. 3½ weeks (PDT)
 IL WCFC Ch 38 Chicago-20 N. Wacker Dr. Suite 1345. 60606. L-Owen C. Carr. President. 40 days. (PDT)
 KS KCKT Ch 2 Great Bend-P.O. Box 689, 67530. L-James Browers, CE. 1 week (FA)
 MD WJZ Ch 13 Baltimore-Television Hill, 21211. L-Vincent Yannuzzi. ACE. 1 week. (JJA)
 WCPB Ch 28 Salisbury-C/O Maryland Center for Public Broadcasting, Owings Mills, 21117. L-David L. Graham. DE. 1 week. (JJA)
 NE WOWT Ch 6 Omaha-3501 Farnam St. 68131. L-William Strube, CE. 2 weeks (FA)
 NJ WCNC Ch 40 Wildwood-3010 New Jersey Ave. 08260. QSL card. Carleton S. Owen. VPofE. 5 days. (JJA)
 NM KENW Ch 3 Portales-Eastern New Mexico University, 88130. L-S. Duane Ryan. 9 days. (FA)
 ND KGFE Ch 2 Grand Forks-Prairie Public TV. 4500 S. University Dr. Fargo ND. 58102. QSL card. Dan Geiken. DE. (?) (FA)
 OK KVIJ Ch 8 Sayre-satellite sta. of KFDA ch 10 Cherry Ave. at Broadway, Amarillo TX. 79105. L-William R. Canady. DE. 5 days. (JP)
 The above QSL is no error--this is a real high band E-skip. I might add, a very good catch--this is the first in the column--pdt.
 VA WWBT Ch 12 Richmond-5710 Midlothian Turnpike. 23201. L-David G. Frasier, ATO. 3 weeks. (JJA)
 W14AA Arlington-(xltr-WNVT-53) write to 8325 Little River Turnpike. 22003. Annadale VA. L-Howard Frost. CE. 2 weeks. (TJY)

CANADA

- MB CBWFT Ch 3 Winnipeg-Corner Portage Ave. & Young St./Box 160. L&two books, Carman DePape for Maryse Lairot, publicist. 9 days (FA)
 CBWT Ch 6 Winnipeg-same address as above; QSL CBC Card. Linda Hagberg. 1 month. (FA)



2

WGR-TV

Studios: 259 Delaware Ave., Buffalo, N.Y. 14202
 Xmitter: Warner Hill Rd., South Wales, N.Y. 14139
 E.R.P.: Video 100,000 Watts - Audio 20,000 Watts
 Frequency: 54-60 MHz
 Antenna Height: 2314 Ft. Above M.S.L.



Taft Broadcasting Company

- CONTRIBUTORS: Kenneth R. Simon, West Palm Beach, FL. (WDX4IKZ) -KRS-
 Thomas J. Yingling Jr. Baltimore, MD. (WDX3OMY) -TJY-
 Jim J. Alexander, Parsippany, NJ. -JJA-
 Frank Aden Jr. Bend OR. -FA-
 Jim Pizzi, Orcutt CA. -JP-

CURTSY: To Paul L. Gaines for contributing the above QSL card.....
 I would like to thank last months contributors & also this month.

73 s Paul

FM QSL CORNER

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

Canada				
Alberta	CJCA	97.3	Edmonton, 10230 108th St., letter mentioned they use 100kw with EHAAT of 432 ft. Signed by Gordon Skutle, CE VEGDG	FA
Ontario	CHLC	98.3	Kingston, letter from Albert Aufleger in 4 months	GAC
	CRFM	99.9	Toronto, send qsl card from Clive Eastwood in 1 1/2 months	GAC
Quebec	CHLT	102.7	Sherbrooke, send card in French from C. Fortier in 1 month, report in French.	GAC
	CBM	95.1	Montreal, CBC Card in 1 month from M. Morris	GAC
U.S.A.				
AL	WJCF	104.3	Athens, send prepared postcard, no signer	BFE
	WATM	104.1	Atmore, send prepared postcard, signed Tom C. Miniard, CE	BFE
	WFRI	97.7	Opelika, send prepared postcard, signed J. W. Harper	BFE
AZ	KMCR	91.5	Phoenix, send prepared postcard, signed Ralph Dodson, CE	BFE
AR	KADL	94.9	Pine Bluff, send prepared postcard, signed Chester Pience, Mgr/CE	BFE
CO	KRYT	101.9	Colorado Springs, send prepared postcard, signed William S. Cook	BFE
FL	WWBA	107.3	St. Petersburg, send prepared postcard, signed Bill Dutcher	BFE
IA	KSEZ	97.9	Sioux City, send letter mentioning that my tape sounded like city grad signal, signed by Gerry Gibbs, CE for KMNS & KSEZ	FA
	KBCM	95.5	Sioux City, send prepared postcard, signed by R. D. Ashmore	BFE
LA	KYFA	98.3	West Monroe, send prepared postcard, signed by Arthur Griffith	BFE
MI	WQWQ	104.5	Muskegon, send prepared postcard, signed by Jacj L. Maciyewski	BFE
MN	KTCR	97.1	Minneapolis, send letter mentioning in letter that reception was result of E Layer propagation! Also said that FM skip is rare (?) Signed by Jim du Bois, Asst. Chief Eng.	FA
	KLGR	97.7	West Redwoods Falls, send letter that indicated they were very surprised that their signal could be heard so far. Mentioned they knew about AM skip, and that FM doesn't skip the same way, but that my reception was skip. Also send coverage map, no signer.	FA
	KEYC	99.1	Mankato, send form (photocopied) type letter, signed by Dave Hooge.	FA
	KWOA	95.1	Worthington, send letter mentioning that my reception was their forest. Also send a pack of "Broadcaster Marrisgold Seeds" & a schedule for news, weather & live stock reports, signed by Stephen Larson, CE	FA
MS	WDIT	92.7	Cleveland, send prepared postcard, signed by Jay Gilcher	BFE
MO	ERXL	94.5	Kirksville, send prepared postcard, signed by J. F. Wey	BFE
NE	KBRX	92.7	O'Neill, send letter mentioning they seldom receive a tape report. I try to send a tape with all my FM reports. Also send a coverage map.	FA
	KROA	95.7	Grand Island, letter mentioning they run 100kw and program 6am to midnight. They said they use a beautiful music format. Signed by Herb Roszhart, MGR, FA	FA
OH	WTGF	98.1	Canton, send tape for 15 minutes reception of 2Es reception. Mentioned that several people at the station had listened to it. Also said that a "Worked all Tower of Faith Station Certificate" could be issued for reports but was only joking. Signed by David S. Johnson, Tech Dir. Tower of Faith Network is WEMM, WHKK, WJMM, & WTGF. Also send various items about the stations.	FA
PA	WBYO	107.5	Boyetown, letter signed by Wilmer Borneman, CE mentioning reception also in Baton Rouge, LA and Clearwater, FL. Sends elaborate program guide, full of advertising.	BFE
SD	KELO	92.5	Sioux Falls, send letter (Kelogram) signed by Craig Gunderson Account Rep. KELO LAND FM.	FA
	KHIT	102.3	Mitchell, send letter mentioned station was one year old in March. Rate card with coverage map on it also send. Letter signed by John Miedema, Station Manager	FA
WI	WTTN	94.1	Watertown, Mark Timpany verifies reception of this station after previously hearing it on 104.7	BFE
	WGBW	91.5	Green Bay, Annabelle L. Hitchcock, manager verifies promising a new program schedule in October 1975, which never came.	BFE

Well, thats the end of this month's big report. I got a new reporter from Bend, Frank Aden, and the rest of Gregg A. Calkin of Ottawa, Canada and Bruce F. Elving of Duluth, MN. Well I'm running out of room to type,



Hope none of you were confused by programming on WPGH-53 Pittsburgh over the weekend of September 10-12, showing a "22" logo (left), making frequent mention of "Christian TV for Pittsburgh," and flashing address for a "WPCB TV-22." As you may have guessed, the promos were on a telethon for the new WPCB-22, which is now breaking ground for studios and transmitter, and is expected on in early spring, 1977. With several million watts, it should be a good DX target!



VHF UTILITY DX

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

NOVEMBER 1976

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

stations in the Sept column that have now QSLed - NRCB (25 w); IABJ; NRKK; C.G. 40572; NRKC (Tug; 10/2.5 watts)

<u>7-17:</u>	1915, WZA 6124	157.075	2 mi w Poplar Is., MD (<u>QUEEN ANNS II</u> ; Marine Police; 32' steel Clipper; 25 w)
<u>23:</u>	2041, N6243P	119.7	30-40 mi sse Bal. (Tasty Baking Corp.)
<u>24:</u>	1834, N33HM	133.8	Del. Bay area (Southeastern Jet Corp; 21w)
<u>25:</u>	1531, N430C	128.1	16 mi s Dover, DE (State of SC; Jet Com- mander; 2-engine, 10-seat; 20 watts)
<u>8-4:</u>	2348, KKC 520	39.50	Coushatta, LA (sheriff; 150 watts)
	2351, KCL 509	39.50	Sicily Is., LA (police; 60 watts)
	2352, KKD 590	39.50	Harrisonburg, LA (100 watts)
	2356, KKP 269	39.50	St. Joseph, LA (sheriff; 500 watts)
<u>5:</u>	0004, KKD 335	39.50	Winnboro, LA (sheriff)
	0006, KKA 569	39.50	Winnfield, LA (sheriff)
	0006, KKC 593	39.50	Alexandria, LA (Troop E)
<u>8:</u>	1242, WQ 3804	156.30	3.5 mi w Poplar Is., MD (<u>AMACITA III</u> ; Yacht; 25 watts)
<u>11:</u>	2343, N540G	128.3	35 mi sw Kenton, DE (Continental Oil Co.; Lockheed LI 329; 33,000 feet)
<u>12:</u>	0311, C.G. 30508	157.075	Parkers Shoal Light, Herring Bay, MD (30' patrol craft; 3/4 mi fm cottage; 25w)
<u>16:</u>	1849, N15811	119.7	32 mi s Bal. (Van Dusen Aircraft Supplies; Piper Cherokee 180; 1-engine, 4-seat; 8 w)

Now, my loggings. Hallicrafters SX-62, Allied A-2586; Hammarlund SP-600-JX-10; 30' long wires at 12' run ne-sw, nw-se; peak P2 MUF for day noted; bs-backscatter; * Es; GMT used

<u>9-12:</u>	2255, 35.22	<u>23:</u>	1908, 35.58 bs	<u>27:</u>	2130, 35.28
<u>15:</u>	1945, 35.22 bs		2040, 35.28	<u>28:</u>	2055, 35.28
<u>16:</u>	2020, 32.000	<u>24:</u>	2245, 32.96	<u>30:</u>	2035, 35.28
	2355, 35.62 bs	<u>25:</u>	2248, OK City bs	<u>10-1:</u>	2100, 35.28
<u>17:</u>	2055, 32.000		2250, 35.62 bs	<u>2:</u>	2140, 37.35
<u>19:</u>	2120, 35.28		2332, KPL 943 *	<u>4:</u>	2110, 35.28
	35.58 bs		2355, KKI 445 bs	<u>5:</u>	2255, 35.22
<u>20:</u>	2310, 35.28	<u>26:</u>	0057, KOE 257 *	<u>6:</u>	2315, 35.28
<u>21:</u>	1840, 35.28		0113, KPL 943 *	<u>7:</u>	0119, KIE 953 *
<u>22:</u>	2323, 38.5		2020, 35.28		1545, 32.000

add, 10-8: 2135, 35.28 9: 2250, 35.28 10: 2125, 35.28

evening of Oct 12 provided some of the higher US P2 MUF's of the year; details next time

KPL 943	35.58	Las Vegas, NV (tone pager, voice ID)
KIE 953	35.58	Atlanta, GA (tone pager)
KKI 445	35.58	Houston, TX (tone pager)
KOE 257	35.22	Phoenix, AZ (tone pager)
OK City	35.58	OK City, OK (voice pager)

WWV again in the news - effective October 1, without much advance publicity, the 18-minute-past-the-hour Geoalerts were reinstated. Solar flux and A-Index data is being carried as before with a general solar activity and magnetic field summary and prediction. However, as previously announced, the 14-minute past propagation forecasts were deleted as of Oct 1.

73. Pat WASIYX

4411177711 Bob's Tek-Notes

BY: Bob Cooper, Jr.
Rt 5, Box 782
Guthrie, Ok.
73044

DXING THE UHF TRANSLATORS

Having recently approached the 100-translators-logged plateau (of which 94 are UHF), it occured to me that either I had fallen into a den of translators and come out smelling like a rose, or alternately, something I was doing "by chance" must be working pretty well. In analyzing the translator stations logged versus "those still out there, unlogged" it appears that probably both factors have been at work. Living in central Oklahoma, I am fortunate to be on the eastern and southern edge of what is generally called 'the translator belt'. To the immediate west of me, some 125 miles or more, there is a band of UHF translators (plus a small handful of VHF units) in the Oklahoma and Texas panhandles. To the not so immediate north of me through Kansas but more particularly Nebraska and Iowa and Minnesota (et al) there are still other 'bands' of the little low powered buggers.

Clearly, of some nearly 700 TV stations logged from here to date, the 100 translators have paid a decisive role in the 'stats'. So not too long ago I began to wonder if perhaps the further enrichment of my log stats by yet new, additional translators might not hold the key for catching up with brother-Seybold in the Northeast, and staying head of brother-Draeb in the upper midwest. So I set out to create a better UHF translator logging "system" and in the process of doing this learned a few new tricks that might be helpful to others.

Translators are, afterall, licensed (by the FCC) television "stations", and in the stats-department they count just as much as WCBS or KLTV. If you place before you a map of the United States and follow south from a point at the Canadian border where North Dakota and Minnesota form a common boundary point, down through the South Dakota-Minnesota line, and the Nebraska-Iowa line, through the Kansas-Missouri line, over the Oklahoma-Arkansas line to finally the Texas-Louisiana line and into the Gulf, you have just about split the continental 48 in half. East of that line you currently have 552 operating TV translators, while west of that line you have 2,792 operating translators. That is a heap of stations, in anyone's book.

Now translators fall into three categories; those licensed to operate on UHF (virtually any UHF channel from 14-83 is now OK), those licensed to operate on channels 2-13; and, those that are not licensed at all. The 3,344 recounted here are licensed. As for how many are operating without a license ... well, even the FCC will not hazard a guess. I know of around a half dozen myself, because I've logged them from time to time when the band was hot. I may not know precisely where they are located...but their actuality is not in doubt.

VHF translators are generally 0.1 watt, 1.0 watt, 5 watts or 10 watts in transmitter power. There are a couple of 100 watt units in the Rocky Mountain states, but they are at best rare. Translator transmitter power is measured at the output of the "box", and to this RF power you must add (or multiply by) whatever gain the transmitting antenna may have. If the transmitting antenna is a 10 dB gain yagi, then the ERP (effective radiated power) is 10 dB

TEK NOTES - continued

above 1 watt; or 10 watts. As a general rule of thumb, any DX logging of a VHF translator beyond 100 miles is most unusual. First of all, because of the flea-power involved, any distant reception almost demands that the channel be totally clear of other signals at the time; at least in the same antenna heading. Even 100 mile hauls are rare and the longest logging I have managed at VHF with a 1 watt unit on the other end of the line is around 275 miles on a high band channel; an exceptional event requiring just the right kind of low-level tropo ducting plus a clear channel. VHF translators present little real potential for increasing one's log totals (unless you live on a mountain peak in Colorado) ... that is the bottom line.

And if that still does not dissuade you from trying, you might keep in mind that in 8 years of 'looking' I am all the way to six VHF translators logged, and I have another dozen or so within 200 miles of me, that have to date escaped my notice.

Now for UHF translators. This is where the real fun is. There are several very important ingredients anyone tackling UHF translators needs going in:

- 1) Patience (a little prudence wouldn't hurt)
- 2) Understanding (never give up hope)
- 3) Better than average gear (a 30 foot dish would be nice)
- 4) A very accurate rotor control head tied to no less than a 7 foot dish
- 5) One of the world's best preparatory record keeping systems

UHF translators operate with RF transmitter power levels of 1, 10, 20, 100 and 1,000 watts. Very few are at 1 watt, and even fewer are at 1,000 watts. Most are in the 10 or 100 watt class. Again, this is RF power as measured at the back of the box. The actual radiated power will be from 1 to 10 times the transmitter power, depending upon the gain of the transmitting antenna, and, the loss of the feedline connecting the transmitter to the 'radiator'. A 100 watt output translator sending UHF energy through 300 feet of upline coax may only deliver 20 watts of actual transmitter power to the antenna radiator(s). Thus the radiated power becomes 20 watts times the gain of the antenna, not 100 watts times the antenna gain. But even with 10 watts of transmitter power, this is adequate for some exceptional distances, especially if the transmitting antenna system is well designed and well elevated.

Translator transmitting antennas are either (a) omni-directional (i.e. squirt signal in all 360 degrees), or, (b) they are directional in some format. There seems to be about a 50-50 break between the two choices in the mid-west, although one would suspect that in the far west that directional arrays would outnumber omni arrays. If the community to be served is south of the chosen translator location, and there is nothing to the west, north and east but prairie dogs and sheep, it makes little sense to radiate signal any direction but south. And by limiting the antenna radiation pattern towards where the people are, gain antennas can be employed; thereby making whatever actual power that gets to the antenna multiply even more (by the gain of the directional transmitting array). This is fine for the people living in the chosen direction; it is lousy for the prairie dogs, sheep and DX'ers that live in some other direction. Unfortunately, the general reference data available does not specify the type of antenna pattern in use by most translators so you never really

TEK NOTES - continued

know whether the translator system squirts signal towards you; except by deduction. For example, if you are logging translators all around a known-to-be-active but non-appearing system, either the system is shut down at the moment (an occupational hazard of translators), or, the antenna system dis-favors your direction.

Most translator sites are now "cluster sites"; meaning there are two or more translators at the same site, on the same tower, etc. Some of the really outstanding clusters have 6 or 7 operating UHF translators, which is very fortunate for those of us who like to see our log totals climb in increments of 6-7. The "cluster" approach also helps you pin down which cluster it is you are receiving ... but more about that shortly. If you have a cluster in view, but one (or two) channels from the 'known list' is missing, either that channel(s) is off at the moment (again ... an occupational hazard of translators), or, you don't have the cluster you thought you did.

Being in a "dis-favored" radiation direction from a directional translator antenna is bad, but it is not the end of the world. Most directional (translator) transmitting antennas have between 15 and 20 dB of front to side or front to back ratio, maximum. That means the strength of the opening will have to build up by 15-20 dB more before you can see the translator off of the side of the antenna. As a point of information, very seldom do you find different transmitting antenna formats at the same cluster site. If one translator channel is omni-directional, chances are they all are. Or if one is directional, again the chances are they all are. The exception to this "rule" is as follows: If the translator people install say channels 72 and 74 one year, using whatever funds as are available, and select a 10 watt translator with a brand "s" antenna, and then come back several years later with more money and add channels 76 and 78, with 100 watt translators and a brand "j" antenna, you may well have directional antennas on the low power units and omni-antennas on the later, higher power units. The clue is to watch the specifications data in the TV FACTBOOK translator listing; if you see varying power levels at the same cluster, you may find there are antenna pattern differences as well. This won't probably help much in the middle of an opening - except to keep you from spending valuable time looking and re-looking for a signal that won't be there (even tho you think it should be).

Which brings us to the one true "tool" a DX'er has to work with when chasing translators; and that is logic. Unlike real television stations, translator stations do not transmit readily recognizeable "identifications". At no time will you hear the translator say "This is K71AK", or flash an ID slide to that effect. In fact, K71AK says nothing on its own; it is a passive slave to the "mother" station.

So how does one know for sure he has K71AK and not K71BC or even K72CG?

Logic.

The first tool a serious UHF translator DX'er needs is a sharp-beam-width antenna (this rules out just about every form of common antenna except a 7 foot dish). And ... you must know precisely where it is pointing all the time. Which says you need a good quality rotor and indicator. None of this 10 or 15 degree indicator marking stuff will do. If you have

TEK NOTES - continued

a rotor that is correctly aligned and it reads that you have a signal peak at 272 degrees, you have got to know that it is 272 degrees, not 262 or 282. We'll come back to that shortly.

Logic is reported to be the science of correct reasoning and deduction. First you have a set of facts ... not an answer, just facts. So you carefully sift through the facts looking for an answer. In this case the answer we seek is the true and correct identity of the station received. And you have two sets of facts ... one known to be accurate, and one you have observed. The problem is to insure that the observed facts correlate with the known facts. Which is where the logic comes in.

What are the facts we have to work with, with UHF translators?

- 1) The channel number - if you are equipped with one of the (newer) UHF detent tuners and have a known channel to calibrate that against from time to time as a reference, you are pretty much home free here. If you are like me and still making do with an old tuneable Blonder Tongue Ultraverter (i.e. tuneable), you have to be exceedingly careful with your channel identification.
- 2) The antenna heading - if your rotor says you are at 270 degrees, and your antenna beamwidth is sharp enough that you can tell the difference between 265 degrees and 275 degrees, you can make an accurate 'fact' out of your observation.
- 3) The network affiliation or station being translated. There is a small opportunity for error here ... which we will investigate.
- 4) The TV FACTBOOK translator list, updated as often as you are able to update this annualized listing. (TV FACTBOOK "goes to bed" around the first of each September, so the 1977 edition will have closed 9-01-76; any translator grants, etc. thereafter will not appear until the 1978 edition).

Now the most important preparatory work of all ... a comprehensive set of maps, channel lists made up for your situation, and antenna heading prepared-in-advance lists. First of all, sit down with a good map set (such as the Rand McNally Road Atlas) and take TV FACTBOOK in hand. Go state by state (for the area you expect to DX translators from) and make notations all over the map. Here is how mine are prepared.

- A) Taking a state such as Minnesota, I draw a circle around every town that has translators operating or authorized. Next to the circle I place the following data:
 - 1) Call letters of the translator(s) ... which automatically includes the channel number (i.e. K48AA is on channel 48);
 - 2) Station the translator repeats (i.e. K48AA-KSTP);
 - 3) Network affiliation of the translator mother station (i.e. K48AA-KSTP-NBC);
 - 4) And, somewhat optionally, the power level of the translator (i.e. K48AA-KSTP-NBC-100).

Repeat this for every translator in the state. Remember, when you have two or more per a common site, you have a "cluster".

TEK NOTES - continued

This map-book will get you through most hetic-opening sessions. But not all of them. If you have an area, as I do, such as the Oklahoma/Texas panhandle, where there are around 40 translators in a 100 mile square, and clusters are but 25-30 miles apart at best, you will need better "definition" than a map can provide. An area about to become this way is southern New York state along the Pennsylvania border either side of Binghamton. What you do here, again in advance, is prepare a work book listing that breaks the data down into antenna headings and channels. A small segment of my own work book appears as follows:

<u>HEADING</u>	<u>CHANNEL 72</u>	<u>CHANNEL 73</u>	<u>CHANNEL 74</u>	<u>CHANNEL 75</u>	<u>CHANNEL 76 (etc.)</u>
220-230				<u>CG/30/RBC-N</u> <u>Snyder</u>	
230-240	BZ/35/SWO-A Childress	AU/40/N Wellington	CH/35/C Childress	AV/40/SWO-A Wellington	
240-250					
250-260	<u>AX/55/C</u> <u>Tucumcari</u>	AW/55/A Turkey	CJ/60/C Clarendon	AN/55/C Turkey	

etc.

Now you need a listing or set of tables for every channel from 50 thru 83, for all "crowded headings" where stations tend to bunch up. My own covers 220 through 330 degrees, which is my crowded direction. And here is what it all means. In the 230-240 degree heading segment (line) on channel 72 I have (K72)BZ, which is at (2)35 degrees; it repeats (K)SWO, an ABC affiliate. Jumping right to channel 74, we have another Childress (Texas) translator, (K74) CH, also at (2)35 degrees, a CBS affiliate. By having a full set of tables spread out before you, you can spot "clusters" quickly.

- (1) Because you have a sharp-beamwidth dish, and a well calibrated rotor, (such as a Ham-M, Hy-Gain 400 or CDR-TR-44), you know where the signal(s) peaks up.
- (2) Because you have a calibrated detent tuner, or a carefully calibration checked continuous tuner, you know what channel you are on.
- (3) Watching the station tells you either the network affiliation or the station identification itself.
- (4) Now your chart (or maps) will tell you the following: On that particular heading (call it 240 degrees from my own example) you have a channel 71-repeating a CBS affiliate; a channel 73 repeating an NBC affiliate, and a channel 75 repeating an ABC affiliate. Having already identified 240 degrees as the heading and a CBS affiliate on 71, you spin the dial to 73 and check for an NBC. And an ABC at 75. You rock the rotor back and forth to be dead-certain the signal peaks at the same spot for all three signals, and then after all of the facts you observe fit the fact you know to be true, you "log" the translator cluster. In this case it would be (for me) K71BG, K73AU and K75AV, in Wellington, Texas.

Fortunately for DX'ers, there is only token uniformity between translator

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output channel groupings. That is, where one translator cluster may make CBS come out on the lowest channel in the cluster, NBC in the middle and ABC on top, the next cluster is apt to have ABC on the bottom, CBS next, and NBC on top. That helps keep the clusters straight, even if they line up the same for the rotor and with the same channels.

Now life gets a little more complicated when you get into situations such as is about to develop in southern New York state. There the following new applications were recently filed for translator CP's by WSKG-46:

Afton/Bainbridge - channel 63, 10 watts
Delhi - channel 65, 10 watts
Downsville - channel 59, 1 watt
Earlsville, Sherbourne, Smyrna - channel 69, 100 watts
Franklin - channel 56, 1 watt
Georgetown, S. Ostellic - channel 58, 10 watts
Gilbertsville, Mt. Upton - channel 65, 10 watts
Guilford - channel 59, 1 watt
New Berlin, S. New Berlin - channel 67, 10 watts
Norwich, Oxford - channel 66, 100 watts
Ostego, Wellsbridge - channel 65, 10 watts
Treadwell - channel 59, 1 watt
Unadilla - channel 59, 1 watt
Walton - channel 67, 10 watts

This will be one new WSKG translator for channels 56,58,63,66 and 69; two new translators for channel 67, three new translators for channel 65 and four new translators for channel 59. All of the channel 59 jobs will be one watt (which at UHF ain't going far!); the three on 65 will be 10 watts and the pair on 67 will be 10 watts. If you are very far "back" from southern New York state, you are going to have considerable difficulty determining which one you have on those four channels.

About the best you can do in this situation is (1) try to determine how many different sets of co-channel you have on the same channel at the same time, carrying the same program; see what (if any) antenna heading variations there might be. If you are on 67, for example, and have two sets of WSKG programming, you can safely log both translators. But if you are on 65 and you have only two WSKG translators (three is total), you've got a problem. Which one is missing (alternately, which two are there!)? In my own situation, I respectively count either the closest two only, or put the whole mess on the tentative list until I have exchanged some letters with the station to try to determine which one might have been off the air at that point (again, an occupational hazard of translators), or which one may have a directional antenna or terrain shielding towards me. Again, logic. All of the observed facts must correlate with all of the known facts, or something is amiss and the whole exercise should mis-carry.

A similar problem presents itself when you log translators which do not appear in even the most recent lists. Until I gained access to the WEEKLY FACTBOOK ADDENDA (which updates annual TV FACTBOOK each week), I constantly had this problem. It has eased some now, but there are still situations where translators show up that are simply not on the lists. Sometimes stations with a CP (construction permit) go on the air (i.e. are built), and they "forget" to tell the FCC this; so the lists continue to

TEK NOTES - continued

carry these as "CP's". And sometimes you see signals that "correlate" with applicants for CP's; indicating they went ahead and built the machine, and then made license application. Finally, there are those that have none of the above; they simply appear to be "pirates".

Well, it is a fact, overlooked by an overworked FCC, that people still do build translators without a license or even application for a license. There are hundreds of VHF units like this ... and quite a few UHF. I know, I've seen one VHF unit over the years here and a half dozen or so UHF that never have shown on any lists. They are no less real however.

When you run into such a situation, the first thing to do is to recalibrate everything. Check the rotor to be sure that in the process of whipping it back and forth for signal peaking you haven't gotten it out of alignment. It happens even to the best of rotors. Then recheck the calibration of the tuner. Even detents give problems now and again. Finally, triple check the programming to be very sure that what looks like NBC (for example) is not something else. In other words, eliminate your own potential "cockpit" errors before you start screaming "dirty pirate station". They are out there but they are rare.

Which brings us to false-echoes. Recall how a translator works. You hang a decent grade off-air (VHF or UHF) antenna pointed at the intended "mother station" and you take that channel's signal and feed it into the translator box. There is gets frequency converted ultimately to a new output channel (UHF or VHF). And it squirts out through the upline coax to the transmitting antenna. Now, what do you suppose happens when say WBAY-2, the intended input channel, is severely co-channelled by say KPRC (on Es) or WBBM (on tropo)? Un-huh ... the co-channel you would see if your receiver were located at the translator site and were connected to the translator input antenna gets re-transmitted on the translator output channel. In other words, the co-channel you see may be at the input channel; it may not be translator to translator co-channel at all. Now take that one step further ... if the co-channel at the input is so strong that KPRC overrides the normal WBAY input signal, what do you suppose goes out of the translator? KPRC of course.

These are false-echoes. The translator repeats a station it is not intended to repeat. Now if you were cruising along the dial and watching a channel 75 translator that popped up with a KPRC ID, and you were in Michigan, immediately following your heart attack you should immediately come back to earth and realize that the normal input signal had been replaced at the W75AJ Fond du Lac translator by KPRC. And you were seeing DX of the DX, as it were.

Normally, the same tropo conditions the produce the distant translators at your location are producing co-channel for the translator input channels as well. And where it becomes really severe, you might have the opportunity to log your own local stations back through a set of translators say 400 miles away. It can happen ... I've seen it here.

Which creates a caveat. Beware of potential mistaken translator ID's created by DX itself. You can be certain only that if you should be seeing WBAY through W75AJ and you are seeing WBBM that the "replacement" input channel is on the same channel as the normal input station.

TEK NOTES - continued

And keep in mind the logic warning. All facts observed must fit known facts. Any out-of-place facts on the observed side of the ledger should be immediate reason to abort the assumptions you have formed at that point.

Now what about equipment for all of this fun and games. Translators are low power, so the received signal level typically is many dB lower in level than say a .5 or 1 megawatt giant down around channel 30. If your DX installation is so marginal that you have trouble seeing 100 mile UHF's on a totally 100% regular basis, you had better skip UHF translator DXing.

The UHF translator end of the "band" is where everything we use comes unglued. The 7 foot dishes (CM or Finco) are at their worst there (they have their best dish-gain but their lowest feed antenna efficiency here). The tuners (detent or continuous) have their highest noise figures (i.e. worst performance) above channel 50. And the run of the mill UHF pre-amplifiers ... well, they are not even good boat anchors because most plastic will float. Even downlines are critical ... a connection or section of line satisfactory at channel 30 may have an extra 10 dB of loss at channel 83. This same syndrome rubs off on home installations also, which is why UHF translators have such a bad name in rural circles. I've found there are 99.99% reliable signals from translators operating with 100 watts of transmitter power, at the 100-120 mile range. But it takes good gear to do this.

Finco P-7 dishes can be modified if you know what you are doing. The hang up in them stock is that the little feed antenna is cut for around channel 30, which means the director and the driven element (a "fat" dipole) and the reflector arrangement are too long. The reflector you can live with, but the "fat dipole" and the director need to be shortened about 1/4th inch on each side. The director snips off easily, but the "fat" dipole has to be reformed as well as shortened. Don't do it unless you have been down this road before.

The much heralded BT CMAU-LN and SCMAU-LN are acceptable but not the best way to go. What you really need if you are going to do it right is a translator band (50-83) pre-amplifier (and with translators moving down into the 40's ... this may not work much longer), tied to a P-7 or CM dish that have been re-tuned for the same range. Another option ... and the one I took because I determined this is the best one of all ... was to go to Q-BIT Corporation (P.O. Box 2208, Melbourne, FL 32901) and ask Hansel Mead there to build a low noise, 30 dB gain UHF pre-amp that has a low loss input high-pass filter. The high-pass filter starts at around channel 50 and for all channels much below 50 there is considerable filter loss. This means that I can run a (gain)wide-open system in the 50-83 range and no longer worry about channel 14 to about 40 stations creating cross mod of my pre-amplifier. Q-BIT's QB-0542 pre-amp (with matching supply) has a real world noise figure of 4.5 dB at the UHF translator range and the 30 dB of gain, for about the price of the SCMAU-LN series from BT. Only the Q-BIT does not overload.

When you have a really bang-up opening, the high power UHF stations really drive most high gain pre-amps right up the wall. A potent channel 16 ends up on 23, 36, 44, and so on right up through the translator channels. Add to that a potent 19, 21, 24, 26, 27 and so on, and before

TEK NOTES - continued

long you have more "junk" created by an overloading pre-amp in the 50-83 range than you can possibly wade through to read the weaker UHF translator signals.

SUMMARY

There are now more than 1050 UHF translator stations operating. VHF translators dominate the stats from the Rockies west, but UHF's hold their own (on an operating basis) with VHF east of the Mississippi. The number of operating translators (VHF and UHF) in states east of the Rockies might surprise you. For example;

Nebraska - 66
Minnesota - 80
Iowa - 29
Kentucky - 27
North Carolina - 51
Virginia - 45
Pennsylvania - 42
New York - 106

RIGHT - WCOO-4
as seen through
St. James, Mn.
UHF translator
at author's
location; 515
miles.



All states east of the Rockies (in fact all states period) except New Jersey and Delaware have operating translators. And new UHF translators are coming into the FCC (i.e. applications) at an average rate of seven per week. Anyone serious about the "total stations logged stats race" obviously has got to give serious consideration to setting up a reasonably state-of-the-art translator DX system. If you have strong local low-end-of-the-band UHF stations operating, you can escape the cross mod they create by simply designing a translator-only system. DXing might actually become fun again!

Oh yes ... there is one more higher band above UHF translators. It is called ITFS - which is short for "Instructional Television Fixed Service". ITFS operates in the 2.5 to 2.69 GHz (that's giga-hertz or 2500 to 2690 MHz) range...which some would (correctly) call microwave. There are now some 200 ITFS stations/channels operating in the country, typically with 30 watts of transmitter power into omni-10dB-gain antennas from elevated locations. With my newly installed four foot dish (which has 26 dB of gain at this frequency) and my dish mounted downconverter (the converter output range is high band TV channels), I am just getting into this fascinating new world. But alas ... that is another story for another time.

Suffice to say that there is more than one way to catch brother Seybold ... or stay ahead of Bill Draeb!

EASTERN TV-DX

Bill Thompson
1907 Seneca Street
Buffalo, NY 14210

November 1976

Once again this year, tropo conditions (primarily those in the Northeast) in September have been somewhat disappointing. The super tropo openings of late August gave way to fairly rotten weather that dominated much of September, and most of the first part of October as well. Heavy amounts of rain, and unseasonably cold weather in some areas attest to the lack of decent high pressure systems this season in the East, but there were a few brief periods of good ducting between spells of bad weather. The best September tropo tended to occur in the first few days of the month, as the excellent late August tropo carried over into the first week or so. Among the notable loggings were Roy Barstow's catches of southern Ontario on UHF and highband--difficult catches for a New England DXer, due to mountains in the path. Also noteworthy are Roy's catches of UHF from Savannah GA back in July, and a logging of WKPT-19 Kingsport TN on August 20--a great catch, considering the Appalachians! Steve West in Havertown PA also was in on the same duct, and he also saw WKPT over the same difficult path. Tropo paths are much more spectacular along the coast in the Southeast, and some 400 mile plus VHF catches on rabbit ears by John Combs are a good example. They occurred on September 26-27--and might have been even more spectacular if the weather would have cooperated north of the Carolinas. If the weather cooperates elsewhere, we may have some good "Indian Summer" tropo to report next time. Chances are that long-haul tropo has taken its annual winter vacation away from the Northeastern areas a bit early this year--but keep in mind, many spectacular tropo openings have taken place in November. MS loggings should be fairly interesting as the late fall and early winter showers increase, so don't forget to check for meteors!

Steve West 432 Kenmore Road Havertown, Pennsylvania 19083 (215)449-1472

May		18 Es 1700 unID-2	
10	Tr 0900	WCVB-23 Richmond VA (200)	19 1200 WKRQ-5 Mobile AL (950)
		WCVW-57 Richmond VA (200)	1230 KJAC-4 Port Arthur (1250)
		W76AN-76 Cobbs Creek(190)	23 1100 KTEW-2 Tulsa OK (1150)
11	0700	WVIR-29 Charlottesville	26 1000 "Skip in up to FM"
	Es 1300	unID-2 "PBS-west"	28 1630 Cuba-2
13	1930	WESH-2 Daytona Beach(800)	WPBT-2 Miami FL (1000)
15	1130	KTEW-2 Tulsa OK (1150)	
	1200	KBTS-2 Little Rock (1000)	
18	0030	unID-2 "NBC west"	
20	1700	Cuba-2 "Test Pattern"	
28	Tr 0830	WUNK-25 Greenville (325)	13 MS 0230 unID-3 "Texas map, weather or s/off news?"
		WNYE-25 New York NY (100)	20 Tr 0800 WKPT-19 Kingsport TN(450)
		"both interfering"	22 Es 1900 "on FM car radio"
			24 Tr 2300 WITN-7 Washington NC(325)
			WUNK-25 Greenville (325)
			unID-2 "weak"
June		September	
3	Es 1130	Cuba-2	8 Tr 0800 WUNK-25 Greenville (325)
		WPBT-2 Miami FL (1000)	WUNJ-39 Wilmington (410)
4	1500	WBRZ-2 Baton Rouge (1100)	9 2230 WSBK-38 Boston MA (250)
		WWL-4 New Orleans (1050)	WGBX-44 Boston MA (250)
13	1700	"Skip in up to FM"	WLVI-56 Cambridge MA(250)
14	0500	WTAJ-10 Altoona PA (190)	WSMW-27 Worcester MA(230)
		"WCAU off, very rare"	"N.Y.C. translators on 57, 59, 62, 64, 66, 71, 75"
		WAVI-10 Portsmouth (225)	12 2300 WUNK-25 Greenville (325)
16	1730	KYTV-3 Springfield (1000)	2400 WUNJ-39 Wilmington (410)
		KTVI-2 St Louis MO (825)	13 0700 WCVB-23 Richmond VA (200)
		"at shore"	0800 WBIH-24 Hartford CT (180)
19	0930	unIDs 2, 4, 5	WENH-8 New Haven CT (150)
22	0930	unID-2	W76AN-76 Cobbs Creek(190)
25	1845	unID-2	(WCVW-57 translator)
26	1000	WVTV-4 Dothan AL. (825)	14 0900 WCVW-57 Richmond VA (200)
	2230	unID-2	WLVI-56 Boston MA (250)
	2145	"skip up to FM; AL, LA, MS	2230 Boston U's, N.Y.C. xltrs
July			
4	Es 1700	Cuba-2 "English movie, Spanish subtitles. Kind of unpatriotic watching Cuban TV on Bicentennial"	

Roy Barstow 70 Heritage Circle Teaticket, MA 02536 (617)548-2329 (EDST)

April		11 Tr		2345		WUNJ-39		Wilmington NC		
14	Tr	2200	WHRO-15	Norfolk VA	13	Es	2000	WMT-2	Cedar Rapids IA	
			WBOC-16	Salisbury MD			2030	KQTV-2	St Joseph MO	
			WYAH-27	Portsmouth VA			Tr	2300	WCVE-23	Richmond VA
			WCPB-28	Salisbury MD	16	Es	1530	WEDU-3	Tampa FL	
			WTAF-29	Philadelphia PA			1600	WSJK-2	Sneedville TN	
		2300	"NJ UHF stations"				1700	WSM-4	Nashville TN	
19		2200	WCTI-12	New Bern NC			1730	WREC-3	Memphis TN	
			"under WPRI"				1930	WKRK-5	Mobile AL	
			WVEC-13	Hampton VA			2000	KEYS-2	Little Rock AR	
			WNCT-9	Greenville NC	18		1715	WESH-2	Daytona Beach FL	
			WAVY-10	Portsmouth VA			1800	WBEM-2	Chicago IL	
			"under WJAR"				1830	KTVO-3	Kirkville MO	
		2300	WUNK-25	Greenville NC			1900	WCCO-4	Minneapolis MN	
			WUNJ-39	Wilmington NC			1910	KDAL-3	Duluth MN	
22		0030	WPHL-17	Philadelphia PA			1930	KSTP-5	St Paul MN	
			WTAF-29	Philadelphia PA			1935	KBUR-6	Duluth MN	
			WKBS-48	Philadelphia PA			"First	Es	under local	
			WHP-21	Harrisburg PA			WTEV"			
May					19		0800	WCIA-3	Champaign IL	
2	Es	1000	WPBT-2	Miami FL			0830	WMT-2	Cedar Rapids IA	
			"Es first time this sea-				0900	WSB-2	Atlanta GA	
			son. Also later that nite				0930	KTVI-2	St Louis MO	
			to south, no IDs. Almost				WTWO-2	Terre Haute IN		
			like aurora."				1000	WPBT-2	Miami FL	
12		1800	"Bill Grant called & said				1100	KEYS-2	Little Rock AR	
			Cuba was in on ch 3. Some				1130	KTCA-2	Minneapolis MN	
			Spanish audio heard...				1200	WSIL-3	Harrisburg IL	
			only stations seen were:"				1830	KTVO-3	Kirkville MO	
			WPBT-2	Miami FL	21		1830	KTVO-3	Kirkville MO	
			WEDU-3	Tampa FL			26	2300	WCBI-4	
			WESH-2	Daytona Beach FL			2335	WLBT-3	Jackson MS	
17		2345	WNGE-2	Nashville TN	27		1100	WEDU-3	Tampa FL	
			WMAB-2	State College, MS			2100	WLBT-3	Jackson MS	
30		0930	WTHS-2	Miami FL			2300	KATC-3	Lafayette LA	
			to unID-3	"Station testing			2305	WBRZ-2	Baton Rouge LA	
		1045	w/woman speaking Spanish"				2315	WEAR-3	Pensacola FL	
June							2359	WMAB-2	State College MS	
1	Es	0930	CKPR-2	Thunder Bay ON	28		0030	WDIQ-2	Dozier AL	
		1000	WMT-2	Cedar Rapids IA			0130	KTBS-3	Shreveport LA	
		1100	WLBT-3	Jackson MS			0930	WUFT-5	Gainesville FL	
		1230	WBBF-4	Rock Island IL			1325	WCCO-4	Minneapolis MN	
		1345	WBAY-2	Green Bay WI			1330	KTCA-2	Minneapolis MN	
2		1145	WTHS-2	Miami FL			July			
3	Tr	2100	"All NJ UHF & Eastern PA		11	Es	1830	WNGE-2	Nashville TN	
			plus:"					WSJK-2	Sneedville TN	
			WBFF-45	Baltimore MD			14	2100	KDAL-3	Duluth MN
		2400	WHYY-12	Wilmington DE			16	2130	KTVO-3	Kirkville MO
4		0045	WLYH-15	Lancaster PA			0045	KTEW-2	Tulsa OK	
			WBRB-28	Wilkes-Barre PA			1800	WISC-3	Madison WI	
			to					KGLO-3	Mason City IA	
			WSBA-43	York PA			18	0030	KTCA-2	Minneapolis MN
			WVEC-13	Hampton VA			19	1900	KYTV-3	Springfield MO
			WWBT-12	Richmond VA				WCBI-4	Columbus MS	
		0245	WAVY-10	Norfolk VA				KMOX-4	St Louis MO	
6	Es	2100	WEDU-3	Tampa FL			20	Tr	2300	
		2300	WNGE-2	Nashville TN				WVEC-13	Norfolk VA	
			WLBT-3	Jackson MS				WCTI-12	New Bern NC	
7		1230	KEYS-2	Conway AR				2400	WITN-7	Washington NC
			WREC-3	Memphis TN				WNCT-9	Greenville NC	
		1300	KQTV-2	St Joseph MO				WHRO-15	Norfolk VA	
			KGLO-3	Mason City IA				WYAH-27	Portsmouth VA	
10	Tr	2200	WAVY-10	Portsmouth VA				"in all evening perfect"		
			WVEC-13	Hampton VA				WJPM-33	Florence SC	
			WXEK-8	Richmond VA			21	0040	WJCI-22	Savannah GA
11		0100	WYAH-27	Portsmouth VA				"Woman giving news @ 0130		
			WTVB-11	Durham NC				...most distant U so far"		
		2345	WUNK-25	Greenville NC						

Roy Barstow (continued)

July		20 Tr 2325		WVIR-29 Charlottesville	
22 Tr	2230	WSBA-43	York PA	"Plus a few translators, but need to order guide"	
	2245	WLYH-15	Lancaster PA	21 Es	2200 WDIQ-2 Dozier AL
	2255	WLVT-39	Allentown PA		2230 WESH-2 Daytona Beach FL
23 Es	1930	KGLO-3	Mason City IA		2300 WSAV-3 Savannah GA
	1935	WRGB-3	Chattanooga TN		WJXT-4 Jacksonville FL
	2300	WBHM-2	Chicago IL	24 Tr	2300 WMBG-26 Biddeford ME
26	1900	KTVO-3	Ottumwa IA		2330 WNPI-18 Norwood NY
	1958	WEDU-3	Tampa FL		WNPE-16 Watertown NY
27	1900	KARK-4	Little Rock AR		2340 WSKG-46 Binghamton NY
		KETS-2	Little Rock AR	25	0020 WITN-7 Washington NC
	2300	WMAB-2	State College MS		0035 WCAX-3 Burlington VT
28	2115	WMT-2	Cedar Rapids IA		0100 WEMT-7 Bangor ME
August				0750 WKTV-2 Utica NY	
3 Tr	2200	WBFF-45	Baltimore MD	September	
		WTAF-29	Philadelphia PA	3 Tr	1945 WSKG-46 Binghamton NY
6	0030	WVEC-13	Norfolk VA		WICZ-40 Binghamton NY
		WCTI-12	New Bern NC		2000 WSYB-18 Elmira NY
		WITN-7	Washington NC		2055 WBJA-34 Binghamton NY
	2200	WHRO-15	Norfolk VA		2330 WENY-36 Elmira NY
		WYAE-27	Portsmouth VA	4	0000 CHLT-25 Toronto ON
12	0030	WGAM-13	Portland ME		0100 CKGN-22-22 Uxbridge ON
		WMTW-8	Poland Spring ME		"Lots of problems with WWLP MA. Caught testing in the clear with word GLOBAL on their 3/4 color bars after MA s/off."
		WEZF-22	Burlington VT	0300	CHCH-11 Hamilton ON
Es	1900	WISC-3	Madison WI		"Up from the muck for their ID, then faded out. That's a switch."
	1920	KDAL-3	Duluth MN	0322	WTEN-10 Albany NY
	1930	WJMN-3	Escanaba MI		"No film in camera this a.m., but taped info. Other UNIDs on channels 18, 28, 29, 42, & 19. This was a welcomed opening from a new area."
	2000	WCCO-4	Minneapolis MN	9	2200 WVTA-41 Windsor VT
Tr	2000	"Also UHF from E. PA"			WEKW-52 Keene NH
17 Es	2000	WSB-2	Atlanta GA		"rare here"
20 Tr	0730	WKPT-19	Kingsport TN	2300	WETK-33 Burlington VT
		"WCDC a problem at times ...Hurricane Dottie off SC coast must have set up these conditions..."			WEZF-22 Burlington VT
		WYAE-27	Portsmouth VA	Present log totals: 201	
		"Also in...had to leave late to work."			
	2000	WHRO-15	Norfolk VA		
		WBOC-16	Baltimore MD		
	2300	WCVW-57	Richmond VA		
	2305	(W41AB)-41	Madison VA		
		"Studios in Harrisonburg, station in Augusta county. Is this a new station??"			
		(It's a WVPT-51 xltr -bt)			

Equipment includes Channel Master Super Vector VHF antenna at 20 feet, Channel Master Super Bandsaw UHF antenna at 30 feet with Blonder-Tongue CMA-U until August 15, CMA-Ub after August 15. "This season was very good here with GA, TN & the good opening into Ontario. Still need W. Virginia & Kentucky for new states. Florida will make it here someday on UHF. Just need lots of DX time, the right opening, and patience. The Es season was good also. It would have been a nice start for a new DXer...Es came in from all areas."

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

September		3 Tr 2130		WBDH-24 Hartford CT (122)	
1 Tr	0410	unID-8	"IHTP, no tone"		WDCA-20 Washington (180)
	0553	WTOP-9	Washington DC(180)		WHYN-40 Springfield (144)
	0605	WHNB-30	New Britain (117)		WHNB-30 New Britain (122)
		WTNH-8	New Haven CT (95)		WBDW-49 Bridgeport (77)
	0607	WJZ-13	Baltimore MD (144)		WCDC-19 Adams MA (162)
2 Es	1948	unID-3	"Canadian game show"	2200	WFSB-3 Hartford CT (122)
3 Tr	2130	WGAL-8	Lancaster PA (104)	5	0615 WBZ-4 Boston MA (212)
					"Group W' TP"

"My log is now at 140. I thank Joe Fela for #140, WBZ-4. He alerted me to the late sign on time of WNBC on Sunday mornings."

Bill Thompson 1907 Seneca Street Buffalo, New York 14210 (EDT)			
August		21 Tr	0233 WWBT-12 Richmond VA
2 Es	1830 WEDU-3 Tampa FL		0235 WAVY-10 Portsmouth VA
	WPTV-5 West Palm Beach FL		WOTV-8 Grand Rapids MI
	1900 KTBS-3 Shreveport LA	0244	WSAU-7 Wausau WI
10 Tr	2140 WFLD-32 Chicago IL		WJRT-12 Flint MI
	WCFC-38 Chicago IL	Es	1330 unID-2 CGI to S.; MUF to
	WMED-31 Peoria IL		ch 4 by 1400, into FM
	2327 WUCM-19 Bay City MI		briefly before 1430,
11 Es	1750 unID-2 Cuba?		but paid more attention
	1800 WPBT-2 Miami FL		to rapidly improving
	2115 KTBS-3 Shreveport LA		tropo conditions!
Tr	2145 WSVN-47 Norton VA	1915	WCFC-38 Chicago IL
	WVUU-24 Morgantown WV T		WSNS-44 Chicago IL
	vy hvy \emptyset CGI on WJET to S.		WUHQ-41 Battle Creek MI
	Eastern PA V's like locals		WUCM-19 Bay City MI
	2200 WOWK-13 Huntington WV	2030	VHF (highband & lowband)
	2300 WDTV-5 Weston WV		packed solid with CGI
	2330 WSTV-9 Steubenville OH	2040	CKSO-5 Sudbury thru CBLT
	both snowfree with unbear-		CKNC-9 Sudbury thru CFTO
	able CGI from Toronto	2130	CKNY-10 North Bay ON
	2330 WTRF-7 Wheeling WV t/WKBW		wiping out WHBC & CFPL
	WXYT-27 Lexington KY	2228	KRIN-32 Cedar Rapids IA
12	0025 WTAP-15 Parkersburg WV	2235	WISN-12 Milwaukee WI
	0035 W41AA-41 Wheeling WV	2238	Toledo V's super strong
	relaying WJET-24 instead	22 Es	0030 unID-2 \emptyset CGI S.W.
	of primary WVUU-24!	Tr	0045 WZZM-13 Grand Rapids MI
	0141 WCHS-8 Charleston WV		0205 WMED-31 Peoria IL
	0201 WBOY-12 Clarksburg WV		0230 WHIO-7 Dayton OH
	snowfree with RETMA TP		0641 WOTV-8 Grand Rapids MI
	after WICU-12 off		0645 WJIM-6 Lansing MI
15 Es	0129 unID-2 \emptyset & 10 CGI to S.		0650 WILX-10 Onondaga NY
17	1900 unIDs 2 & 3 southwest		Above three snowfree.
19 Tr	1945 WSNS-44 Chicago IL		Every VHF channel loaded
	WCFC-38 Chicago IL		w/CGI. WUHQ-41 noted on
	KINI-30 St Louis MO		UHF, but had to leave.
	WIGS-20 Springfield MO	2000	Same cx as this morning
20	0210 WPIX-11 New York City		noted upon returning.
	2000 WNYT-53 Annandale VA	2350	TVOntario repeaters all
	WYAH-27 Portsmouth VA		relaying WCDC-19 MA!!
	WHRO-15 Hampton VA	23	0136 WHYN-40 Springfield MA
	WDCA-20 Washington DC		WHNB-30 New Britain CT
	WSBA-43 York PA		0205 WNEW-5 New York City
	WAPB-22 Annapolis MD		0209 WPVI-6 Philadelphia PA
	WCPB-26 Salisbury MD T		0220 WXYZ-7 Detroit so strong
2035	W74AU-74 Cobbs Creek VA		that it was mistaken for
	(WCVB-23 xltr; VAFI 3055		local after WKBW off!
	by 2050, gone after 2100)	0235	WNAC-7 Boston MA audio
	WCVW-57 Richmond VA		video by 0300
	WLVT-39 Allentown PA		WCVB-5 Boston MA
2041	WJNL-19 Johnstown PA		WABC-7 New York City
	WPPB-31 Hagerstown MD	0245	WOSU-34 Columbus OH
	WOPC-38 Altoona PA	2240	plus most other OH U's
	WCVB-23 Richmond VA	24	2200 WCDC-19 Adams MA
	W48AA-48 Grant County WV		2300 Ft Wayne U's, W39AA good
	WLFV-69 Fredericksburg VA	25	0030 Toronto V's absolutely
	unIDs 68, 67, 70, 41, 45		wiped out from N. by
2100	W70BA-70 Williamsport PA		Sudbury 5 & 9; CKNY-10 ON
2130	WCDC-19 Adams MA		unID-15 \emptyset CGI WANE
2320	WTOP-9 Washington DC T		WNJU-16 South Bend IN
	2340 Ft Wayne U's, W39AA very		0215 CBFST-7 Sturgeon Falls ON
	strong; cx now building		0221 CBFST-13 Sudbury ON
	to west, still super to S.		unID-12 \emptyset CGI CHEX to N.
21	0030 WRDU-28 Raleigh-Durham NC		0615 WCDC-19 Adams MA
	0044 WVIR-29 Charlottesville VA		0730 WIII-38 Terre Haute IN
	0125 WTVR-6 Richmond VA super	September	
	0127 WCHK-8 Petersburg VA	5 Tr	2350 t/in, big opening to E.:
	0203 WEPG-25 Hagerstown MD		WRLP-32 Greenfield MA
	audio only under CBLFT		2359 WLVI-56 Boston MA

Bill Thompson (continued)September

- 3 Tr 2359 WSBK-38 Boston MA
 WCDC-19 Adams MA
- 4 0010 WSMW-27 Worcester MA
 0043 WATR-20 Waterbury CT T
 lots of CCI from WUTR-20
- 0059 TVOntario satellites re-
 laying WCDC-19 snowfree
- 0145 CFVO-30 Hull QB
 CBOFT-9 Ottawa ON
- 7 0142 WKRC-12 Cincinnati OH T
 2100 U's good to 400 mi W.;
 TVO repeaters CIG018-18
 London & CIG059-59 Sarnia
 relaying WUTV-29 Buffalo
 on channels 19 and 60!
- 8 0720 Ft Wayne U's very strong
 2200 UHF to 400 mi strong to W.

12 Tr 2330 Ft Wayne U's very strong
 13 0125 unID-18 Ø CCI CIG018 S.W.

October

- 3 Tr 0050 WJAN-17 Canton OH
 WKER-22 Dayton OH
 WOET-16 Dayton OH
 WOSU-34 Columbus OH
 most OH ETVs noted run-
 ning late with OSU vs.
 UCLA football game
- WPGH-53 Pittsburgh PA
 in like a local
- 0100 Ft Wayne U's strong
 0133 WLFI-18 Lafayette IN
 0140 WICD-15 Danville IL
 0200 Heavy CCI on highband
 channels dropping out
- 0225 WTHR-13 Indianapolis IN

The super tropo conditions in late August really were unlike anything I've come across since I began serious UHF-TV DXing. Tropo just isn't supposed to behave that way! If the completely unexpected supertropo over the Appalachian Mountains didn't blow my mind, a phone call from Peter Sawatzky did, after I began to realize just how widespread the August 20-21 opening had become. I still can't quite believe what I logged myself, because past experience with some of the directions that opened up suggests that it shouldn't have happened. I've seen many weather patterns almost identical in the past, and they never brought in Virginia like that before! I suspect that it'll be a long time before I catch another UHF translator from Virginia again (unless I move to a super DX location, hi). I have almost no time for DX presently, and I must apologize to those who have written and not heard from me. I am just about swamped in a heavy workload which is compounded by my return to school. I hope to make headway soon.

Bob Seybold Bennett Road Dunkirk, New York

"DX has been scattered in past month. Weather has been generally rotten thus accounting for bad trips. Here's my report anyway."

September

- 19 Tr "A.M.--good-- WTAP-15, WJET-24 on W41AA-41 Wheeling (translator for WVVU-24), WCMU-14 WPNE-38 Green Bay WI, WNDU-16 WANE-15 WHIZ-18 WUCM-19 WXON-20 WPTA-21 WSBT-22 WDIO-24 WBYI-25 WGTE-30 WMUL-33 Elmira U's, WICZ-40 WUHQ-41 WPBO-42 WOUB-20 WOUC-44 WBGU-57 --also VHF--WCHS-8 WOKW-13 etc."

"Evening--good--much of above + W41AA-41 WKMR-38 WQEX-16 WPGH-53"

October

- 1 Tr "Good--WTAP-15 WQEX-16 WPGH-53 W41AA-41 WNBO-45 WOUC-44 WPBO-42 WOUB-20 WANE-15 WGTE-30 WBGU-57 WKJG-33 WNDU-16, also WDAU-22 WCFC-38 WVIA-44 W30AK-80 Springville NY, W30AA-30 Elmira NY WNEP-16 WCB3-48 WHP-21 WTPA-27 WERE-28 & others."
- 2 "East excellent--Scranton, Elmira, Binghamton U's peaking in evening WDCA-20 Washington DC, several translators; WZTV-17 Nashville TN, WMUL-33 WITF-33 WOPC-38 WKAR-23 WUHQ-41 WNDU-16 WANE-15 & others."
- 8 "Conditions down--but made visit to hills spot--fog, rain, cold--but lots of weak signals: WIII-38 (rare), WCFC-38 WNDU-16 WOET-16 WQEX-16 WANE-15 WDAU-22 WBRE-28 WVIA-44 WNBO-45 WTAP-15 WKJG-33 W41AA-41 WICZ-40 WENY-36 WSYB-18 WNEP-16 WITF-33, Detroit U's and a few others, all weak."

"That's it for now--one new--totals now 737."

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

- 14 Tr 2030 Salisbury MD U's 16 & 28
 2130 WHRO-15 Hampton VA (280)
 WYAH-27 Portsmouth (295)
 2215 WCMG-40 Wildwood NJ (135)
 2230 WNJS-23 Camden "snowfree"
 2335 WCVB-23 Richmond VA (275)
 "after WNJS s/off"
- 15 Tr 0030 WWBT-12 Richmond VA (275)
 0610 WJZ-13 Baltimore MD (155)
 0730 WCPB-28 Salisbury MD (180)

October

- 5 Tr 1000 WSMW-27 Worcester MA (150)
 WENB-30 New Britain (105)
 7 2330 WCPB-28 Salisbury MD (180)

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

September 26 Tr 2020 WJCL-22 Savannah GA R
 19 Tr 2300 WJKS-17 Jacksonville FL R 2300 WRJA-27 Sumpter SC 2115R
 25 Es 1650 unID-2 "panel quiz?" 2315 WBEA-14 Allendale 1015R
 Tr 2330 WJKS-17 Jacksonville FL R 29 -- "WSWB-35 goes dark after RCA
 26 1820 WJKS-17 w/WLRN-17 CCI pulled the plug"
 1945 WJWJ-16 Beaufort SC 3125R
 WJCL-22 Savannah GA 4435R
 2000 unID-33 "20 kHz over W33AA"
 WRLK-35 Columbia SC 0111R
 October
 2 Tr 0745 W69AA-69 Hollywood FL R
 0800 WJKS-17 Jacksonville FL R
 3 0840 W69AA-69 Hollywood FL R

"Just started saving BEER CANS...(half the fun is emptying them) and if you have any weird ones around or Canadians I'll be glad to reimburse you for postage...sorry I couldn't make it to the convention...73s"

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

September 26 Tr 2300 WCBD-2 Charleston SC? T
 3 Es 1829 WTAR-3 Norfolk (675)1090km 2301 WBTV-13 SC (420)680km
 1830 WWAY-3 NC (465)750km 2314 WWAY-3 NC (465)750km
 "shortest Es, previously
 by tropo"
 2315 WECT-6 Wilmington NC? T
 2354 WTOG-11 GA (245)395km
 1832-1856 unIDs 2, 3 0557 unID-6 "CBS TP"
 20 Tr 0700 WJHG-7 Panama City FL T 0600 WTVY-4 Dothan AL? T
 WXLT-40 FL (115)185km 0617 WCIV-4 SC (325)525km
 21 0123 WDTE-13 FL (115)185km 0619 WTOG-11 GA (245)395km
 0126 WJHG-7 FL (275)445km 0630 WITV-7 SC (325)525km
 0128 WJCL-22 GA (245)395km 0638 WCSG-5 SC (325)525km
 24 2330 WEVU-26 FL (155)250km 0646 WSAV-3 GA (245)395km
 26 Es 1100 unID-2; 1110 unID-4 0650 "Had to leave for classes"
 2250 WJWJ-16 SC (270)435km 29 Es 1740 WDTN-2 OH (810)1310km
 WITV-7 SC (325)525km 1755 WKYC-3 OH (910)1470km
 2252 WJCL-22 GA (245)395km 1903 KMID-2 Midland TX? T
 2253 WRJA-27 Sumter (395)640km
 2255 WCIV-4 SC (325)525km
 plus unIDs past 2200

"Well, tropo always shows up when you're least ready for it. A nice opening on the 26th caught me with no antennas other than a 4-bay (hand-held) for UHF and bunny ears on VHF. The opening had very well defined limits —note WRJA-27 in at VAFI 4435, yet no Columbia U's seen! The signal strength of 16 & 27 was unbelievable—at one point I had a watchable signal from 16 with no antenna hooked up! I called Ken Simon to let him know about the opening and woke him up—I forgot he had to be in to work by 5 a.m., hi! (Sorry, Ken...) The Es of the 3rd was strange—one would think that a 465-mile logging on ch 3 would place the MUF higher. Of course, the lack of ch 4 & 5 stations in the area of the opening (coastal NC & VA) could be the reason. Nice off-season opening on the 29th, but rapid fading brought few IDs. It seemed like one signal would make it in for a few minutes, fade out, and promptly be replaced by another. 73"
 (Note to southern U.S.A. TV DXers—be sure to send your reports to John at the address above from now on. John will appreciate your support for the new SOUTHERN TV-DX column--so report! -bt)

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

August September
 18 Tr 0000 WUAB-43 Cleveland OH (200) WYTV-33 Youngstown (200)
 W46AB-46 Brocton NY (103) WNEO-45 Alliance OH (240)
 (WNEB-17 translator) 2200 WENY-36 Elmira NY (175)
 Tr/GW CELEST-76 Kitchener (63) WICZ-40 Binghamton (220)
 24 Tr 0800 WDAU-22 Scranton PA (260) WKBD-50 Detroit MI (200)
 WBRB-28 WilkesBarre (260) WQLN-54 Erie PA (135)
 WENY-36 Elmira NY (175) WTVS-56 Detroit MI (200)
 WICZ-40 Binghamton (220) 2245 WJET-24 Erie PA (135)
 WSEK-46 Binghamton (220) WGRP-62 Detroit MI (200)
 1000 WNEP-16 Scranton PA (260) WXXI-21 Rochester NY (114)
 2100 WXXI-21 Rochester NY (114) 2300 WKBN-27 Youngstown (200)
 WJET-24 Erie PA (135) CICO32-32 Windsor ON (190)
 WSEB-35 Erie PA (135) 7 Tr 0114 WYTV-33 Youngstown (200)
 WUAB-43 Cleveland OH (200) CBLFT2-40 London OH (85)
 WQLN-54 Erie PA (135) WUAB-43 Cleveland OH (200)

(This report will be continued next time -bt)

CENTRAL TV-DX

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

Deadline: 12th

The past month was rather dismal dx-wise here. Below normal temperatures really put a damper on things. Some days I didn't even turn the set on because it would have been a waste of time.

Dave Janowiak: 5023 S. 65th St., Greenfield, Wi. CDT

8-10 Tr 0700	<u>WMAW-14</u> Ms. 3445(730)	8-31 Tr 0650-	
0800	<u>WMAV-18</u> " " 2443(630)	0700	W68AA Danville 2235
	<u>WMAH-19</u> " " (900)		W71AA La Salle "
	<u>WHNT-19</u> Al. 3443(600)		W49AA Springfield "
	<u>WAAV-31</u> " " 4555 "		KDNL-30 St. Louis 5545
	<u>WCFT-33</u> " " (700)	9-3 Tr 0700	WLKY-32 Louisville 2315
	+Other tent. loggings.	9-6 Tr 0230-	
8-18 Tr 0610-		0330	" " 2415
0710	<u>KTVJ-16</u> Mo. 5552(540)		WXOW-19 La Crosse "
	<u>KBMA-41</u> " " 5554(480)		WLPI-18 Lafayette "
	<u>KCBJ-17</u> " " 4554(380)		W69AB Darlington "
8-20 Tr 0530-			KOLR-10 Springfield 1010
0630	<u>CICO-28</u> Ont. 2555(400)		(500)
	<u>CBLEF-2-40</u> " --- (340)	9-7 Tr 0645-	
	<u>CICO-32</u> Ont. --- (270)	0700	WLKY-32 Louisville 2411
	<u>CKGN-29</u> " Oil Springs		Global chs.22(Cottam??)
	<u>WKFN-27</u> Oh.----- (400)		and ch.29.
0630-			KDNL-30 St. Louis 5555(330)
0800	<u>W70AT</u> White Pine 4554		KMTC-27 Mo. " (500)
	<u>W70AO</u> Fond du lac "		KCBJ-17 Columbia, Mo. (360)
	<u>W72AJ</u> Escanaba (WLUK) "		W11L-38 Terre Haute 5555
	<u>W72AA</u> Iron Mt. (WBAY) "		CKCO-42 Oil Springs 2455
	<u>W74AS</u> White Pine "		CBLEF-48 Chatham "
	<u>W75AE</u> Iron Mt. 4554		CICO-59 " 4043
	<u>W76AI</u> Escanaba "	9-11 Tr 0900	<u>CITY-79</u> Ont. 2415(450)
	<u>W77AA</u> Iron Mt. "		<u>CBLEF-76</u> " " (400)
	<u>W83AS</u> White Pine "		<u>CBLEF-78</u> " " "
8-24 Tr 0615-			<u>WSEE-35</u> Erie 1412(410)
0700	<u>WLKY-32</u> Ky. 2455(400)	9-30 Tr 0630-	
	<u>CICO-18</u> Ont. (340)	0700	Canadian U's and U.P.
	<u>CKCO-42</u> " Oil Springs		xltrs.
	<u>CBLEF-40</u> " (340)	10-3 Tr 0800-	
	<u>Cottam-22</u> Ont.	0845	WCET-48 Oh. 5555
	<u>CICO-28</u> " (400)		WMUB-14 " 4555
8-25 Tr 0625-			WOET-16 " "
0700	<u>K55AW</u> Alpena 5555		W39AA Ft. Wayne 2325
	<u>CKCO-42</u> Oil Springs		WTVQ-62 Lexington, Ky.
	<u>CICO-18</u> London(340)		KBMA-41 Kansas City <u>T</u>
	<u>CICO-28</u> Kitchener	10-4 Tr 0615-	
	<u>CICO-32</u> Windsor	0700	Canadian U's to 500 mi. +
8-28 Tr 0810-			Wi. and U.P. xltrs. 2433
0900	<u>W56AB</u> Darlington 4555		<u>WCCE-18</u> Charlotte 2433
	<u>W69AB</u> " " "		<u>WJET-24</u> Erie, Pa. 4444
	<u>W67AC</u> " " "		WLKY-32 Louisville, Ky.
	<u>K69BA</u> Iron Mt. " "		
	<u>W77AA</u> " " "		
	<u>W75AE</u> " " "		
	<u>WNMU-13</u> Marquette " "		

Log total now at: 500+

"Building of a new home plus interest in several new hobbies have meant virtually no time left for dxing. Antenna setup is not as good as at old address but higher location and more distance from tv transmitters helps. Transmitters now from 4 to 10 miles away, the best situation I've ever had since dxing from the Milwaukee area. Since I've dxed little in last 2 years, records, etc., are not up to date, but I did pass 500 stations this month. I intend to begin several dx building projects, so, perhaps I'll be a little active again. The month of August had to be just great, as UHF was out to 400 mi. every time I checked, but I only dxed on about 1/3 of the days that UHF was open. 73, Dave."

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

9-7 Tr 0630	WJRT-12 Mi. 3445(195)	9-14 Tr 0630	WEYI-25 Mi. 2425(220)
0729	WHEC-10 N.Y. " (143)	9-19 Tr 0759	WWTW-9 " 3422(313)
9-8 Tr 0730	WANE-15 In. " (261)	0800	WDHO-24 Oh. 2325(185)
0731	WN DU-16 " 4445(318)	9-20 Tr 0126	WTOL-11 " 3443(185)
9-12 Tr 0830	WWTW-9 Mi. 3432(313)	0139	WJRT-12 Mi. 3445(195)
0930	WCMU-14 " 2425(262)		

Log total: 265 received, 213 verified.

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

9-1 Tr 0615	WPGH-53(290)	9-7 Tr 0600	Erie U's	9-12 Tr 0730	CBLFT-76(300)
0620	Youngstown		(except ch.54)		CICO-28 "
	U's snowfree		WPGH-53(290)		CBLFT-40(260)
9-3 Tr 2040	Erie U's(300)	0620	KDNL-30(305)		CICO-18 "
2045	WSKG-46(505)	9-8 Tr 0540	WJET-24(300)		(plus other
2130	WICZ-40 "		(snowfree)		Canadian U's)
	WBJA-34 "	0552	CBLFT-76(300)	0740	Buffalo U's
	WUTV-29(370)		(U's from		(370)
2145	WJAN-17(215)		London, Wind-		Youngstown U's
2200	WENY-36(455)		Chatham,		(250)
	WCDC-19(640)		Oil Springs.)		Erie U's(except
9-6 Tr 0018	WAAY-31(445)	0625	WTRF-7(260)		ch.24)
	WYUR-48 "	0628	W60--repeats	0800	W46AB(340)
0125	WHNT-19 "		WUTV-29; any-	0805	WJET-24(300)
			one know location??)	0810	CITY-79(365)
				0830	WPGH-53(290)
				9-25 Tr 2128	WVUT-22(195)

"The month got off to a good start with tropo the evening of the 3rd. WCDC-19 is my most distant UHF station to date. (They ID with channel 10 Albany, N.y.) The channel 60 translator received the morning of the 8th is puzzling. There is no such station listed in the WTFDA UHF translator guide. I'm sure it wasn't an image because CKGN was in strong on channel 29. My total log is now at 260."

Paul E. Petosky: Box 537, Munising, Mi. 49862 EDT

9-12 Tr 0100	WCML-6 Alpena, Mi.(180)	9-19 Tr 0045	WSNS-44 Chicago(315)
	WBKB-11 " " "		WFLD-32 " "
	CBFST-3-12 Elliot Lake(190)		WN DU-16 S. Bend(325)
0110	WN DU-16 S. Bend, In.(325)		WSET-22 " "
0115	WSET-22 " " "		WGTU-29 Traverse City
	WZZM-13 Grand Rapids(240)		(135)
0132	CKNC-1-7 Elliot Lake(190)		(all snow free)
	(all of above snowfree)		

Paul goes on to explain the reason he has been inactive as far as TV dxing goes is because of family problems, to make a long story short. Also, WGTQ-8 Saulte Ste. Marie, Mi. is suppose to be coming on this fall with 316kw and 978' ant. They will be a satellite of WGTU-29--wd. (I misplaced the logo which Paul sent me, will try and locate it---sorry Paul--wd.) Also, WGTQ-8's xmtr & tower will be "--a hair North of Detour, Mi." which is at the extreme east end of the U.P. Grade B coverage extends as far as Newberry, Mi. to the West.--wd.

Michael Hogan: 9224 Cottage Grove Ave.-Highland, In. 46322

"No extra-ordinary dx to report from this location. Again, as has been the case for the last few months, Northern tropo openings have been very frequent. In fact, it seems like every time I check the band the following stations are in like gangbusters: WEMJ-4, WITI-6, WMVS-10 all from Milwaukee, not to forget WISN-12 from, you guess, Milwaukee. Milwaukee is about 105 miles from this location. Hopefully, this Northern tropo pattern will break soon, at least for the sake of variety. Totals here are still 39 stations from 9 states."

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

9-12 Tr 2000	KDUB-40	9-16 Tr 0725	KTSE-27	9-19 Tr 0850	WBGU-57
	(back on air)		0729	0900	WUAB-43
9-13 Tr 0729	WCET-48	9-17 Tr 0800	" "	9-30 Tr 0829	WTVS-56
0730	WDHO-24		KTSE-27		WCPR-62
	WUAB-43	9-18 Tr 0700	WLKY-32		WCMU-14
	WKYT-27		WKMJ-68	0830	WCAB-50
9-14 Tr 0630	WLJK-11		0729	0834	WKBD-50
	WLKY-32	9-19 Tr 0850	W39AA	0835	K79BL

Central Tv-Dx

Nov. 1976

Shults; continued---	10-3 Tr 0215 WJW-8	10-3 Tr 0925 WPGH-53
9-30 Tr 0855 WKBD-50	0225 CBLFT-48	0929 WBGU-57
10-1 Tr 0900 WCMU-14	0830 KMEG-14	W39AA
	(satellite is	0930 CKCO-42
	K79CE Norfolk, Ne.)	WHWC-28
10-3 Tr 0200 CICO-32	0900 WKBN-27	WLIO-35
0210 WFHT-25	WDHO-24	WCET-48
	0915 Detroit U's	0945 WOET-16
		(satellite of WMUB)

"This reporting period was considerably slower than the sizzling August month. Biggest surprise was reception of WJW-8 during early hours of Oct. 3 with sign off 'Final News' which I photoed. When WKBD-50 came on, they completely wiped WCAE-50 out, on Sept. 30. They are virtually in the same direction. Is WCAE-50 using a directional antenna?(don't know-wd) They are rarely received here any more. Does anyone know if KPOB-15 Poplar Bluff is on the air?(don't know; I've never seen them positively--wd). During August, I photoed KDOG-26, KHIV-39, and KXTX-39 from Texas. Thanks go to Bob Baker on update info on KDUB-40 Dubuque, Ia."

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

9-9 Tr 0139 WQWK-13 W.Va. 1122(280)	10-1 Ms 0342 WCBS-2 N.Y. 1012(490)
9-10 Ms 0535 WCBS-2 N.Y. 1012(490)	Tr 0905 WXXI-21 " 1533(280)
9-12 Ms 0355 " " " "	10-2 Tr 0245 CJOH-1-6 Ont. 1232(340)
Tr 0427 WSAZ-3 W.Va. 1022(280)	0256 WROC-8 N.Y. 1032(280)
0838 WMBD-31 Il. 1544(345)	0313 CJOH-13 Ont. 1433(425)
0852 WKOW-27 Wi. 1132(315)	0339 CKSO-5 Ont. 2533(300)
0854 WMTV-15 Wi. 1032 "	0418 WSAZ-3 1011 W.Va. (280)
0857 WHA-21 Wi. 1432 "	0443 CKNY-10 Ont. 2533(325)
9-13 Ms 0529 WCBS-2 N.Y. 1512(490)	2332 W39AA In. 1544(130)
Tr 0922 WMBD-31 Il. 1022(345)	10-3 Tr 0015 WMBD-31 Il. 4544(345)
9-14 Ms 0333 WCBS-2 N.Y. 2012(490)	0022 WRAU-19 " 1222 "
9-15 Ms 0350 " " 1412 "	0245 WTVO-17 " 1522(300)
9-16 Tr 0124 WQWK-13 W.Va. 1021(280)	0835 WICD-15 " 1022(305)
9-17 Ms 0334 WCBS-2 N.Y. 1012(490)	0839 WCEB-23 " 1523(325)
9-18 Tr 0520 WSAZ-3 W.Va. 1022(280)	10-4 Tr 0317 WLUK-11 Wi. 1533(275)
Ms 0525 WCBS-2 N.Y. 1212(490)	10-5 Ms 0329 WCBS-2 N.Y. 1013(490)
Tr 0925 WMTV-15 Wi. 1022(315)	10-6 Tr 0125 WQWK-13 W.Va. 1223(280)
9-19 Tr 0514 WSAZ-3 W.Va. 1032(280)	10-7 Ms 0511 WCBS-2 N.Y. 1012(490)
Ms 0518 WCBS-2 N.Y. 1012(490)	0518 WWL-4 La. " (940)
Tr 0827 WXXI-21 " 2544(280)	10-8 Tr 0147 WQWK-13 W.Va. 1123(280)
2156 WOKR-13 " 3442(")	
9-20 Ms 0518 WCBS-2 " 2012(490)	
9-21 Ms 0305 " " 1012 "	
Tr 0843 WKLE-46 Ky. 3522(305)	
0846 WKYT-27 " 1522 "	
0850 WLEX-18 " 1122 "	
9-22 Ms 0349 WCBS-2 N.Y. 1012(490)	
9-23 Ms 0523 " " " "	
9-24 Ms 0427 " " " "	
9-26 Ms 0346 " " " "	
9-27 Ms 0335 " " " "	
9-29 Ms 0340 " " " "	
9-30 Ms 0422 " " " "	
9-28 Tr 0204 WQWK-13 W.Va. 1022(280)	

Paul sends along some interesting photo s: One is of WCDC-19 but was taken on ch. 59. It also was on chs. 32 & 18. Another is of WNPE-16 but seen on ch. 32 and not 16. I'm glad I don't live any closer to these wierd Canadian U's. --wd

Log total now at: 293

Randall B. Clark; Rt. 5 Dutch Ridge, Parkersburg, W.Va. 26101 EDT

9-14 Tr 1030 WSEE-35 Pa. 4530	9-29 Es 1935 Cuba, ch.4
Most KET stations in.	WPTV-5 Palm Beach
1230 WNEO-45 Oh. 4330	9-30 Es 1745 weak sigs.
1806 WKYH-57 Ky.	WVW noted on 20 Mhz
9-22 Tr 0135 WGHP-8 N.C.(wedge tp at 0154)	California C.B.ers noted
2330 WFMY-2 N.C.(early s/off)	10-3 Tr 0147 WWJ-4 Detroit 3423
9-24 Tr 1115 WQED-13 Pa. under WQWK.	0310 WTTV-4 Bloomington 3422
9-28 Es 1429 ICR-2 Cuba	"Interesting Tr opening
9-29 Tr 0016 WHAS-11 Louisville 2251	this morning with all semi loc-
Es 1708 Cuba on chs. 2 & 3 Tent.	als in including WOET-16. WVIZ
1801 WPTT-2 Miami	-25 solid 5555.
1935 Tele Rebelde-3 Tent.	Es 1650 WPTT-2 Miami
	1736 Havanna, Cuba.(ch. ???)

Central Tv-Dx

Clark; continued---

10-6 Special Note: "If anyone is wondering about the color bar that was seen on 10-6, 1976 well, it was WDTV-5 in Weston, W. Va. They have been experiencing sound problems since possibly early this morning running full size cb with no sound.

Noted no programming until 2338 EDT. They were running between 2325 and 2334 EDT one of the wierdest test patterns that I have ever seen. Quite strange, its a cross between a crosshatch gen, sig. & a resolution pattern with a grey strip going continuously upwards; was in b/w as well, with a black background."

Some errors in the Sept. vud: WHAG-25, WWPB-31, CBLFT-25, CBHT-3, CKPR-2, CKCW-2, CBWFT-3 should have been underlined. Also, the new ch. testing was ch.28 in Columbus, Oh.

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

9-11 Tr 0545	WXIX-19(300)	9-12 Tr 0925	WSEE-35(400)	10-2 Tr 0625	CICA-19
	WLKY-32(330)	0930	CICA-19(430)		CITY-79
0555	WCPO-9(300)		WUTV-29(460)		CICO-18
0600	WLEX-18(360)	9-13 Tr 0625	WAKR-23(340)		CICO-28
9-12 Tr 0555	WHIZ-18 "		WOSU-34(320)		CBLFT-40
	CICO-18(340)	0830	WLKY-32(330)		CBLFT-76
	CBLFT-40 "		KDNL-30(300)	Gw 0635	KDUB-40
	WUAB-43(310)	9-18 Tr 0545	WXIX-19(")	10-3 Tr 0600	WSTV-9(410)
	WYTV-33(380)		WLKY-32(330)		WP GH-53
	WKRC-12(300)	9-19 Tr 0515	CKCO-13(400)	0620	WTCN-11
	WXIX-19 "		CICO-28 "	0623	WQLN-54
0600	WKYC-3 (330)	0520	CBLFT-76(")	0624	WAKR-23
0630	WP GH-53(430)	0525	CKGN-6 "	0629	KMSP-9(320)
	WQLN-54(400)		<u>Uxbridge-22(450)</u>	0700	WKEN-27
	CICO-28 "	0530	CBLFT-40(340)		WUC-44
	CKCO-13 "	0620	WWUP-10(330)	1000	WKYT-27
	WKEN-27(380)	0630	WQLN-54(400)		WT VQ-62
	WAKR-23(340)		CICA-19(430)		WJET-24
	WVIZ-25(330)		CITY-79 "		WSEE-35
0642	CBLFT-76(400)	0655	W55AE(250)		WYTV-33
0700	W55AE(250)	9-30 Tr 0555	WAKR-23(340)	1015	WKYH-57
	W64--Sherman, N.Y.		WYTV-33(380)	1100	WUOB-20
	(250)	0600	WJET-24(400)	10-4 Tr 0530	WJET-24
0725	WJAN-17(360)		WSEE-35 "	0600	WSEE-35
0925	WJET-24(400)	10-1 Tr 0655	W55AE(250)		Log now at: 438

Jim Gould; R.R.#3, Kokomo, In. 46901 EST (317)-452-9585

9-6 Tr 0830	KLAA-14 La. 0520(650)	9-16 Tr 0704	KHNE-29 Ne. 3525(642)
1100	KOLR-10 Mo. 5521(445)	9-19 Tr 0840	WUTV-29 N.Y. 5534(404)
9-7 Tr 0554	WDCA-20 D.C. 2535(492) T	0842	CITY-79 Ont. 0325(410)
0555	KTUL-8 Ok. Tent.	0850	Unid-60; program "Sea Lions"
0603	WBRE-28 Pa. 3534(536)		CICO-59 vy strong w/hvy cci.
0604	WICZ-40 N.Y. 2534(537)	9-29 Tr 0628	WTCN-11 Mn. 3533(480)
0606	Unid-16 ; EENE	Es 1800	WPBT-2 Miami, FL. (1090)
0613	KYTV-3 Mo. 5544(445)	Tr 2141	WVWU-24 W. Va. 3533(332)
0619	WBFF-45 Md. 3535(508) T	10-1 Tr 0626	WUTV-29 N.Y. 2512(404)
0623	WKBS-48 Pa. 3523(590) T	0944	WHLA-31 Wi. 4535(339)
0632	KBMA-41 Mo. Under WUHQ	10-2 Tr 0950	WUTV-29 N.Y. 4531(404)
0706	WENY-36 N.Y. 2525(490)	0952	CITY-79 Ont. 2535(410) T
	Condx appear open from Okla. to E. Coast.	2030	WUTV-29 N.Y. 4533(404)
9-12 Tr 0710	Lower Ont. U's + Erie and Buffalo.	2224	WENY-36 " 3535(490)
0800	W64-- Sherman, N.Y. 2425	10-3 Tr 0122	WDAU-22 Pa. 1535(540)
	W46AB N.Y. 5534(370)	0123	WICZ-40 N.Y. 2533(537)
2100	KOLR-10 Mo. 5531(445)	0149	WHEC-10 " 4533(477)
	KMTC-27 " 4433 "	0200	WTAJ-10 Pa. 4534(425)
	2200	0900	WHWC-28 Wi. 0540(408)
	KDUB-40 Ia. back on		WHLA-31 " 5544(339)
9-14 Tr 0732	WUTV-29 N.Y. 4533(404)	0930	WHRM-20 " 5534(350)
9-16 Tr 0625	KGIN-11 Ne. 2523(630)	0945	<u>K76BZ</u> Ia. 3534(330)
0628	KOLN-10 " 4523(552)	0950	<u>K74CO</u> " 3535 "
0632	KBMA-41 Mo. 3512(458)		Unid-71
		1010	KMEG-14 Ia. 5544(540); 1027
			KVFD-21

(continued on page 55)

WESTERN TV-DX

Doug Everitt
1708 W Maine
Enid OK 73701

Deadline: 5th

Es LASTS LATE November 1976 LOUSY FALL Tr PREVAILS...

Es has by now faded out over most of the reporting zone, although there are occasional relapses in the southern areas. For a complete update on Es activity, see the Es chart towards the end of the column.

Tropo activity in the eastern areas of the zone hasn't even begun to live up to anyone's expectations, including my own. If fall tr is going to show, it will be late this time around.

Lots of old business this time around, looks like a big column this month. I'd appreciate it if you'd keep the new deadline in mind when preparing your reports. Thanks to those who met it this time.

Now, on to the reports...

John Anderson, Box 186, Lowe Farm MB ROG 1EO (CDT) (06 June-18 July)

N new to log M by new mode I tentative

<u>June</u>				<u>07</u>										
<u>06</u>	tr	2325	KXMD	11	ND	N	298	Es	1435	KTEW	2	OK	918	
<u>07</u>	tr	0030	CFSS	7	SK	N	225		1435	KMID	2	TX	1233	
	Es	0045	CBTE	4	NWT		990		1800	WCBI	4	MS	1200	
	tr	0800	CHSS	6	SK	N	396		1800	WMAB	2	MS	1185	
<u>08</u>	Es	1800	KFDX	3	TX		1064		1800	WBLL	3	MS	I 1220	
		1800	KMID	2	TX		1233		1812	WWL	4	LA	N 1380	
		1840	KAMR	4	TX	M	996		1815	WKRQ	5	AL	N 1400	
		1840	KWAB	4	TX	N	1195		1855	WBZZ	2	LA	1337	
		1840	KTXT	5	TX	N	1109		1930	WSB	2	GA	1270	
		1840	WBZZ	2	LA		1337		2025	KMID	2	TX	1233	
<u>09</u>	tr	1700	CBWBT	10	MB	N	65		2025	KTXT	5	TX	I 1195	
	Es	1830	KTVU	2	CA		1477	<u>08</u>	Es	0030	KOAI	2	AZ	1215
		1830	KCRL	4	NV	N	1284			0030	KBCT	2	ID	986
		1930	KBCT	2	ID		986	<u>09</u>	tr	2200	Minnesota	abv	average	
		2030	KUTV	2	UT		927			2200	WTCN	11	MN	360
		2040	KATU	2	OR		1220			2200	KDAL	3	MN	300
		2100	KBCT	2	ID		986			2200	WDIO	10	MN	300
		2100	KUTV	2	UT		927	<u>10</u>	tr	0135	KEYC	12	MN	N 386
<u>10</u>	tr	1800	WTCN	11	MN		360	<u>13</u>	Es	1935	WGR	2	NY	1000
<u>16</u>	Es	1130	WBZZ	2	LA		1337	<u>14</u>	Es	0954	WFMY	2	NC	1266
	MS	1430	WNGE	2	LA	M	1048			0954	WSB	2	GA	1270
		1430	UnID	2	IHTP	new station?				0954	WDTN	2	OH	927
										1400	KMID	2	TX	1233
								<u>15</u>	Es	0135	WHEN	5	NY	N 1105
										0135	WCBS	2	NY	1279
										0150	WNEW	5	NY	N 1279
										0150	WNBC	4	NY	1279
								<u>17</u>	Es	1125	t/in-intense	2-FM+		
										1200	KCMO	5	MO	N 715
										1703	KTEW	2	OK	918
								<u>18</u>	Es	0000	WFMY	2	NC	1266
										0005	WRAL	5	NC	N 1380



Page of loggings missing for 16 June
thru 06 July, still looking...

July
06 Es 1125 WSB 2 GA 1270
1200 KMID 2 TX 1233
1845 KMID 2 TX 1233
1859 KTIWO 2 WY 635
07 Es 1059 KPRC 2 TX 1348
1100 KDFW 4 TX N 1150
(Hope you get your UHF going--de)

Patrick Martin, PO Box 14192, Portland OR 97214 (PDT) (21 July-11 September)
Receiver: 21 inch b&w Philco set
Antennas: 10 element FM yagi/5 element ch.3 yagi/6 element hi-band yagi

July
21 tr 0145 KPIC? 4 OR Roseburg 150 station tearing up KOMO
Es 1505 KLNE 3 NE Lexington 1100 Nebraska ETV station
1515 KDUH 4 NE Hay Springs 1100 spot with ID
1530 KHAS 5 NE Hastings 1100
1531 KHTL 4 NE Superior 1110
22 tr 2300 KPIC 4 OR Roseburg 150 station tearing up KOMO
Es 1100 UnID 4 CA Los Angeles UnID variety show--KNBC?
1105 KEYT? 3 CA Santa Barbara 700 discussion show
1255 UnID 4 station with Somerset--back in 1310-1320

Patrick Martin continued...



22	Es	1959	KOA	4	CO Denver	900	
		2010	KOAA	5	CO Pueblo	900	
		2025	KIVS	3	CO Sterling	900	
		2035	KLNE	3	NE Lexington	1100	
		2130	KTVS	3	CO Sterling	900	
		2200	KYUS	3	MT Miles City	750	nice ID 2200--10kwv/1kWA
		2159	KTVO	3	IA Ottumwa	1200	ID before KYUS
26	Es	1900	KLNE	3	NE Lexington	1100	
27	Es	1430	UnID	4	station with Sanford & Son --who?		
		1430	UnID	4	station with Star Trek mixing--who?		
		1500	UnID	3	station with Mickey Mouse Club--who?		
29	Es	1417	WCCO?	4	MN Minneapolis	1300	spot on Duluth high school
		1422	KLNE	3	NE Lexington	1100	
		1501	KOTA	3	SD Rapid City	1000	
		1530	KDUH	4	NE Hay Springs		
		1530	KXJB	4	ND Valley City	950	
		1600	KARD	3	KS Wichita	1100	ID mentioning KGLD-11 satellite
		1630	KDLO	4	SD Watertown	1000	
		1630	KXJB	4	ND Valley City	950	
		1700	KRTV	3	MT Great Falls	550	nice ID--short hop
		1710	CKYB	4	MB Brandon	1100	Olympics
		1730	CBOT??	4	ON Ottawa??	2000	same offset CKYB (2Es?--de)
		1738	CBWFT	3	MB Winnipeg	1100	FF Olympics
		1800	CKOS	3	SK Yorktown	1000	Olympics
		1835	CFQC-1	3	SK Stanrarer	1000	wx & nx reports
		1845	CFRN	3	AT Edmonton	1000	wx report
		1730-1830	UnID		Canadian with c/b pattern		testing--who? channel 4
		1852	CBXT	5	AT Edmonton	1000	Olympics
		1854	CBKMT?	4	SK Moose Jaw	1000	Olympics

August

05	Es	0726	KVOA	4	AZ Tucson	900	ID-Today Show
		0732	KTVK?	3	AZ Phoenix	900	ABC station
		0736	KPHO	5	AZ Phoenix	900	spot
		0842	KMTV	3	NE Omaha	1100	Hollywood Squares
09	Es	1155	KTVK?	3	AZ Phoenix	900	General Hospital
13	tr	0100	KOBI?	5	OR Medford	250	station tearing up KING
		1315	KPIC?	4	OR Roseburg	150	CCI on KOMO
16	tr	0715	UnID	5	who?--strong CCI on KING,		maybe KOBI?
		0730	KPIC?	4	OR Roseburg	150	CCI on KOMO
27	tr	2330	KCPQ	13	WA Tacoma	130	on the air-public-very strong
28	tr	0001	KVOS?	12	WA Bellingham	200	strong CCI on KPTV

September

11	tr	2330	KGO??	7	CA San Francisco	600	vy strong CCI KIRO--UnID offset-same as KOAC, which was off... 73's, Patrick
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Bob Cooper, Jr., Rt.5, Box 782, Guthrie OK 73044 (CDT) (07 August-04 October)

August 07 - Band looked good by 0730 for tropo, and it looked great at 0830, just as I was preparing to leave for five days of CCOS-76. At 0830 WTVO-17 (IL), WAND-17 (IL), WRAU-19 (IL), WEEK-25 (IL), KYNE-26 (NE), KDOG-26 (TX), WHWC-28 (WI), KDNL-30 (MO), plus many others with no time to even log them. From reports locally, band stayed hot in AM and late PMs at least thru 11th.

Had Glenn Hauser as a guest the 9-10th and he did a great job conducting a "wave propagation" seminar course along with KTEW CE John Barth for CCOS-76 on the 9th. Thanks Glenn! Believe it or not, I was so busy while Glenn was our guest at the Seminar that we hardly spoke... for which I am sorry Glenn.

August 12 - at 1345 t/in, Es ch.2,3; again 1900 t/in; again 2000 t/in with WWAY-3 (NC) identified; later 2200 west 2/3.

August 13 - At 1602 t/in SS Es chs.2/3, probable XEW and XEZ.

August 15 - 1150 KTVU-2 (CA), KCRA-3 (CA), very stable signals to past 1400 here. 2129 KDNL-30 (MO).

Bob Cooper continued...

- August 16 - 0810 t/in KDNL-30 (MO), and KCBJ-17 (MO). 1900 Es 2/3 west to 2030.
- August 17 - 0805 t/in KHIN-36 (IA), KTVV-36 (TX), KIDZ-24 (TX), KVUE-24 (TX); 2125-2140 Es, SE, ch.2.
- August 18 - 0710 t/in KVFD-21 (IA--still scheduled to move to 50 and 21 to be new Ft Dodge ETV outlet; those who have logged KVFD on 21 will have difficult time claiming the new ETV as a new station since facility is same as KVFD; on other hand KVFD on 50 will be new...if they really make it.) WICS-20 (IL), WRAU-19 (IL), KCBJ-17 (MO), WEEK-25 (IL), KDNL-30 (MO), WMBD-31 (IL).
- August 19 - 0615 KETV-7 (NE); 0715 KCBJ-17 (MO), KHNE-29 (NE), KXNE-19 (NE), KMEG-14 (IA); 0750 KYNE-26 (NE) 1645 t/in Es 2/3 north and NW and west. 2045 t/in KORK-3 (NV) Es.
- August 21 - 0920 t/in WESH-2, WEDU-3 (FL), WSAV-3 (GA); 0945 WCSC-5 (SC), WUFT-5 (FL), MUF to 97 MHz at 0945, band open past 1200 here.
- August 22 - 0915 t/in KCBJ-17 (MO); 2058 t/in 2/3 Es, 2100 WEDU-3 (FL), WEAR-3 (FL); 2124 WPBT-2 (FL).
- August 23 - 0545 WSB-2 (GA) on MS; 1730 t/in weak Es 2/3, but gone by 1820 recheck.
- August 24 - 0835 KCBJ-17 (MO).
- August 26 - 0710 t/in KCBJ-17 (MO), KDNL-30 (MO), WAPT-16 (MS), KLAA-14 (LA), KCRG-13 (MO), 0745 KIDZ-24 (TX), KVUE-24, KTVV-36 (TX).
- August 27 - 0900 t/in KDNL-30 (MO). (out of town until 03 September)
- Sept. 03 - 0730 t/in KHNE-29 (NE), KYNE-26 (NE), KIDZ-24 (TX).
- Sept. 04 - 0730 t/in KCBJ-17 (MO), WICS-20 (IL), WAPT-16 (MS), KTEJ-19 (AR); 1050 KDNL-30 (MO).
- Sept. 05 - 0810 t/in KCBJ-17 (MO), KVUE-24 (TX), KTVV-36 (TX).
- Sept. 07 - 0641 t/in, WLKY-32 (KY-655mi), WEHT-25 (IN), KIDZ-24 (TX), WXIX-19 (OH-735mi), WICS-20 (IL), WLEX-18 (KY); 0654 KDNL-30 (MO), WIIL-38 (IN), WHAS-11 (KY-655mi-peaked 0710-0720), WFIE-14 (IN); 0659 KLAA-14 (LA), WAPT-16 (MS), WMAU-17 (MS), 0750 WKPC-15 (KY). Through 0810 close down signs of Toledo 24, 30. 0755 WICD-15 (IL), opening along high pressure ridge ahead of cold front moving in from NW.
- Waiting for the fall tropo is at best frustrating. Too hot, too dry are not good weather ingredients and they never will be. Digging thru old files recently, located my first logged TV DX; WMBR-4 (now WJXT) received on Es from Jacksonville FL in Ithaca NY at 2 PM May 27, 1950 for two hours. Log notes "test pattern with news tape" (stations used to run printed tape thru lower-middle of TP with AP wire news on it) followed by "beauty contest...". Those were the days! Antenna in use at time was 3 wavelength per leg rhombic, pointed in almost opposite direction from Florida. Speaking of rhombics... did you see October CATJ?
- Sept. 08 - 0508 KNOE-8 (LA), 0703 WAPT-16 (MS), KLAA-14 (LA), KIDZ-24/KVUE-24/KTVV-36 (TX).
- Sept. 11 - 2100 WAPT-16 (MS).
- Sept. 12 - 0020 KLAA-14 (LA), WAPT-16 (MS), WRBT-33 (LA), 0645 WAPT-16 (MS).
- Sept. 15 - 0615 KOMU-8 (MO), KIDZ-24 (TX), 0705 KCBJ-17 (MO).
- Sept. 17 - 2000 t/in Es ch.2 WBRZ (495 miles, short E) all by itself to approx 2100.
- Sept. 18 - 0845t/in KCBJ-17 (MO), K66AQ/K68AU (Sayre OK), K70BH (Turkey TX), K71BG and K73AU (stations #670, 671) and K75AV (Wellington TX), K72BZ, K77AQ/K82AZ (Memphis TX).
- Sept. 19 - 2110 KDNL-30 (MO).
- Sept. 20 - 1940 t/in--interesting vacillating duct across top of huge high pressure area. Never got ID, but feel sure had WANC-21 Asheville(NC!--de) under KOZK. 1940 KTEJ-19 (AR), WAPT-16 (MS).
- Sept. 22 - KIDZ-24 (TX), at 0710 t/in.
- Sept. 24 - 0710 t/in KDNL-30 (MO), (in again 1635-1830)
- Sept. 29 - 2125 t/in ch.2 Es SW 2+, no ID.
- Sept. 30 - 2040-2050 ch.2 Es SW 2+, no ID.
- Oct. 01 - 0755 t/in KDNL-30 (MO).
- Oct. 03 - 0955 KHNE-29 (NE), 1000 K18AA (KS), KMEG-14 (IA), 1021 KCBJ-17 (MO); WICS-20 (IL), WEEK-25 (IL), WMBD-31 (IL); 2035 KEDT-16 (TX).

As any fool can plainly tell, the current report period was a bummer. 73, Bob (Ah, but we are not fools....de) (Nice catch if that was WANC!--de)

Doug Everitt, 1708 W Maine, Enid OK 73701 (CDT) (07 August-06 October)

Equipment: Sony KV-1203 color, Quasar 19" color & 9" b&w, Panasonic 19" VTR monitor/receiver, NV3020 VTR (reel-to-reel b&w) CDE AR-33 & AR-40 rotators.

Antennas: Winegard K-10-26 lo-band yagi at 30 feet, K-10-713 hi-band yagi at 40 feet with preamp, Finco P-7 UHF dish at 35 feet with preamp, VHF log at 25 feet. N new T tentative Log now at 250 stations.

<u>A 07</u>	tr	0710	KCBJ 17	MO 350	<u>A 11</u>	MS	2327	UnID	6	FF-15sec.
		0715	KBMA 41	MO 260	<u>14</u>	tr	0719	<u>K66AQ,K68AU</u>		
		0727	KXTX 39	TX 250				Sayre OK 90		
		0730	K71BJ,K73BJ,K75BM		<u>15</u>	Es	1330	KTVU 2	CA 1340	
			Mooreland OK 70				1353	KRON 4	CA 1340	<u>T</u>
		0742	KFPW 40	AR 220			1400	KCRA 3	CA 1300	
		0755	WIBW 13	KS 220	<u>18</u>	tr	1001	KTEJ 19	AR 410	<u>T</u>
		0807	<u>KMBC</u> 9	MO 250		Es	1010	KNXT 2	CA 1150	<u>T</u>
		0821	KTWU 11	KS 220			1257	UnIDs 2-6	west	
		0844	KVFD 21	IA 470			1258	XETV 6	BCN 1110	
		0911	KTEJ 19	AR 410			1300	KNXT 2	CA 1150	
		2222	KFPW 40	AR 220		tr	2150	KTWU 11	way up	
			with 10kHz CCI...who?					for several minutes...		
		2226	WMAV 18	MS 500	<u>19</u>	tr	0728	KXNE/KYNE/KHNE 19,	26,29	NE 380/350/290mi
		2247	UnID 23	WMAO,WSRE?			0735	KMBG 14	IA 420	
		2347	KTVJ at local level				0912	KSIN 27	IA 420	<u>N</u>
		2357	KVFD 21	IA 470		Es	1028	KORK 3	NV 960	
		2358	KTSB at local level				1029	KTLA 5	CA 1150	<u>T</u>
		2359	KHIN 36	IA 340			1658	UnID 6	CTV;MUF-6	
<u>08</u>	tr	0001	KTHV 11	AR 350			1712	UnIDs 2-4;	PBS&Sp.Op.	
		0002	UnID 13	ese				on 2, FF 3,	garble 4.	
		0012	WIBW 13	Ø CCI			1941	KUTV 2	UT 810	
	Es	0044	KBMA 41	MO 260			0859	WEDU 3	FL 1090	
		2025	UnIDs 2,3		<u>21</u>	Es	1007	WEDU still strong		
	tr	2332	KXTX 39	local level			1131	WESH 2	FL 1100	<u>T</u>
		2238	KBMA,KHIN good				1250	Es f/out		
<u>09</u>	tr	0727	KEBA 13	TX 250		<u>22</u>	Es	1248	UnIDs 2-5 east	
		0740	KDOG 26	TX 480			1255	WCBD 2	SC 1060	
		0858	KDOG at local level				1830	UnIDs 2-6 east		
		0900	KHTV/KXTX mixing				1900	WCBD 2	SC 1060	
<u>10</u>	tr	0722	KHIN at local level				1900	WSAV 3	GA 1010	
		0725	<u>K34AA</u> Salina 170	<u>N</u>			1900	WCSC 5	SC 1060	
		0725	<u>K18AA</u> KS 170	<u>N</u>						
		0729	KYNE 26	NE 350	<u>T</u>	<u>23</u>	tr	0940	KCBJ 17	MO 350
		0732	KMEG 14	IA 420			Es	0954	UnID 2 west	
		0737	KVUE 24	TX 420		<u>S 03</u>	tr	0800	KTSB/KTVJ local level	
		0740	KTWV 36	TX 420		<u>04</u>	tr	0707	KCBJ 17	MO 350
		0743	KVFD 21	IA 470				0730	KBMA 41	MO 260
		0749	<u>KCCI</u> 8	IA 430	<u>N</u>			0738	KTWU 11	IHTP
		0758	KBMA 41	MO 260				0746	KAYS 7	local level
		0807	WRBT 33	LA 570				0958	KTVJ 16	local level
		0818	KCMO 5	MO 260				1000	KMTC 27	local level
		0822	KCBJ 17	MO 350		<u>07</u>	tr	0757	KXTX 39	local level
		0832	KRIN 32	IA 510				0800	KTEN with hvy Ø CCI...	
		0835	KBIN no CCI btwn,							
			dish very sharp...							
		0845	KIIN 11	IA 480						
		0852	K56##,58##,60##,							
			64##,66## IA UnID		<u>11</u>	QW	1605	KOKH 25	with c/b	
		0915	KVUE 24	TX 420	<u>14</u>	tr	0804	DFW stns 3455		
		0918	KTVV 36	TX 420			2156	UnID 71	ne NBC	
		0921	KDNL 30	MO 450	<u>16</u>	AS	0730	KTSB vly strong occ,		
		0926	KNCT 46	TX 380				AFB jets flying this AM		
		0931	KDNL w/stk tally		<u>18</u>	tr	0810	KCBJ 17	MO 350	
		1001	KMBC 9	MO 260			2015	new AR <u>ETV</u> 13;	CCI KETA	
<u>11</u>	tr	0935	KDOG 26	TX 480		<u>22</u>	tr	0728	K66AQ,K68AU	
		0944	WRBT 33	strong				Sayre OK 90		
		0946	KTEJ 19	AR 410	<u>T</u>	<u>24</u>	tr	2005	KGLD 11	KS 200
						<u>25</u>	Es	2155	UnID 2	SS; prob XEW

KWTV Channel 9 Oklahoma City  A CBS Affiliate

Doug Everitt continued...

S 29 tr 0905 KTVJ 16 MO 220
 0907 WLKY 32 KY 680 I
 0910 UnID 18 ene
 0912 KMTC with Ø CCI
 0915 cx going downhill

30 tr 0851 KBMA 41 MO 260
 0857 KCPT 19 MO 260
 0908 KGIN 11 NE 310
 0915 K7ØBK local level
 0917 KBIN 32 IA 350
 0918 KHNE 29 NE 290
 0919 KXNE 19 NE 380
 1015 KVFD 21 still 21
 1019 KMEG 14 IA 420
 1022 KMCC 28 TX 280
 1024 K71BG, K73AU, K75AV
 Wellington TX 170
 1039 K78BK Seiling 70

S 30 tr 1044 K66AQ, K68AU
 Sayre OK 90
 1044 KIDZ 24 TX 180
 1057 KMEG at local level
 1106 KYNE 26 local level
 1107 KSIN 27 local level
 1107 KBIN 32 at 4555
 1131 cx going downhill

O 02 tr 1002 KCBJ 17 MO 350
 1016 KFPW 40 AR 220

06 tr 0745 KTVJ 16 MO 220
 Es 1915 UnID 2 Bonanza
 1915 UnID 3 NBC

A few good days, but nothing like what was hoped for. On several occasions, Bob Cooper has seen some nice openings which I didn't even see traces of--more comments later.

Pat Dyer, 5315 Silvertip Drive, San Antonio TX 78228 (CST) (15 July-06 August)

Equipment: 1976 model solid-state 9" b&w Penncrest with Archer V-100 and 8-bay UHF array at 20 feet with rotor. I tentative

July LOTSA LOGGINGS!

15 Es 1943 WJMN 3 MI T1280 17 Es 1900 KTCA 2 MN 1110 20 Es 0940 UnID 2 brief
 2211 WTWO 2 IN 935 1900 WCCO 4 MN T1110 1220 WBAY 2 WI T1190
 2211 WWJ 4 MI T1225 1929 KUSD 2 SD 920 1258 CKCO 2 ON 1410
 2215 WBBM 2 IL 1045 2035 WMT 2 IA 945 1259 WKZO 3 MI 1140
 2218 WJBK 2 MI 1225 2130 KWGN 2 CO 810 1329 WBAY 2 WI 1190
16 Es 1015-20 UnID 2-se- 2135 KOA 4 CO T810 1329 WBBM 2 IL 1045
 horiz.sync way off... 2230-55 UnIDs 2-4 1359 WDTN 2 OH 1075
 MS 1059:25 WESH2FL 1055 18 MS 0416:50 WSB2GA 880 1527 WRCB 3 TN 865
 Es 1126 WJBK 2 MI 1225 Es 0850 UnIDs 2,3 1528 KTCA 2 MN 1110
 1315 WTMJ 4 WI T1100 0859 WCBM 2 SC 1120 1529 KDAL 3 MN 1250
 1329 WISC 3 WI 1065 0914 WJBK 2 MI 1225 1529 WCCO 4 MN T1110
 1620 KNXT, KUTV, KNBC (T) 0914 WWJ 4 MI T1225 1628 KDIX 2 ND 1225
 1654 KORK 3 NV 1050 0959 WGR 2 NY 1420 1644 KOTA 3 SD 1040
 1659 KTWO 2 WY 1015 1003 WBEN 4 NY T1420 1644 KDSJ 5 SD T1065
 1729 WJMN 3 MI 1280 1029 WDTN 2 OH 1075 1729 KTWO 2 WY 1015
 1752 KBCI 2 ID T1370 1059 WFMY 2 NC 1175 1729 KTVQ 2 MT 1245
 1815 SS2 west 1129 WSAZ 3 WV 1100 1859 both of above
 1830 Canada 2 nw 1130 WDTV 5 WV 1220 2035 UnIDs 2-4
 2120 WMT 2 IA 945 1445 UnIDs 2 2100 WCIV 4 SC T1120
 2129 KDAL 3 MN 1250 1459 KTCA 2 MN 1110 2107 KDKA 2 PA 1280
 2210 KTVQ 2 MT 1245 1500 WCCO 4 MN T1110 2125 WCBM 2 SC 1120
 2215 KRTV 3 MI 1410 1512 UnID 6 2200 KTWO 2 WY 1015
 2230 KTWO 2 WY 1015 1520 WAVE 3 KY 945 2232 KUTV 2 UT T1080
17 Es 0100 UnIDs 2 spotty 1521 KDLO 3 SD 1070 21 Es 0910 UnID 2
 0125 WBAY 2 s/off 1529 KGFE 2 ND 1240 0959 WDTN 2 OH 1075
 this would be the night our 1533 KPLO 6 SD T955 1005 WJBK 2 MI 1225
 local ch.5 would experiment 1537 KDIX 2 ND 1225 1045 UnIDs 2-6
 with all-nite Friday movie. 1625 KFYR 5 ND T1200 1123 WBBM 2 IL 1045
 0125 WFRV 5 WI T1190 19 tr 0004 XET 6 NL 275 1245 UnID 2 Spanish
 0225 UnIDs 2,3 Es 0925 UnIDs 2,3 1250 WTVJ 4 FL T1150
 0332 WBBM 2 IL 1045 0925 WESH 2 FL 1055 1259 WTHS 2 FL 1150
 0340 UnID 4 0959 WEDU 3 FL 985 1259 KID 3 ID 1215
 0413 WKZO 3 c/b 1140 1120 WBAY 2 WI 1190 1317 KOAT 2 AZ 855
 MS 0429:55 WSB2GA 880 1229 WGR 2 NY 1420 1329 KPVI 6 ID 1195
 Es 0431 CKCO 2 ON 1410 1605 UnIDs 2 1405 WEDU 3 FL T985
 0935-1010 UnIDs 2,3 1611 CJIC 2 ON 1405 1429 WPBT 2 FL 1150
 1405 UnID 2 1659 KTCA 2 MN 1110 1429 WTVJ 4 FL T1150
 1620-45 UnIDs 2-4 1940-2100 UnIDs 2-4 1600 XETV 6 BCN T1100
 1725 " " " " 2122 WBAY 2 WI 1190 1605 KNBC 4 CA T1190
 1745 WMT 2 IA 945 2125 UnIDs 2-5 1629 KNXT 2 CA 1190
 1749 KTVO 3 IA 935 1655 KTLA 5 CA T1190
 1825 UnIDs 2-5

Pat Dyer continued...

July		26		Es		30					
21	Es	1758	XHBC	3	BCN	1010	1230	KMID	2	TX	275
	MS	2352:20	KTVI2MD			790	Es	1335-1400	UnID	2	nw
22	Es	0900	UnIDs	2,3				1555-58	UnID	3	
		0959	WJBK	2	MI	1225		2223	KPLC	7	LA 325
		1100	WGR	2	NY	1420		2223	WRBT	33	LA 1450
		1120	WBEN	4	NY	11420		0432	WSB	2	GA 880
		1128	KTVK	3	AZ	835		0452	WAVE	3	KY 945
		1128	KVOA/KPHO					Es	0915	UnIDs	2-?--so much
		1229	KTWO	2	WY	1015			tr,	hard	to tell Es...
		1300	KWGN	2	CO	810		0929	WBAY	2	WI 1190
		2228	KTWO	2	WY	1015		0929	KDKA	2	PA 1280
		2229	KNOP	2	NE	815		1129	WSJK	2	TN 1010
		2235	UnIDs	2,3				1224	WCCO	4	MN 1110
		2235	KOTA	3	SD	11040		1229	KTCA	2	MN 1110
23	tr	0514	KLTV	7	TX	280		1328	WBAY	2	WI 1190
	Es	0810	UnIDs	2,3				1620	KNXT	2	CA 1190
		1029	KTCA	2	MN	1110		1635	KEYT	3	CA 11270
		1029	WCCO	4	MN	1110		1635	KNBC/KTLA	both	T
		1123	WTVJ	4	FL	11150		1729	KSBY	6	CA 1335
		1130	WPTV	5	FL	11150		1826	KCPX	4	UT 11080
		1145	WCIX	6	FL	11150		1829	KUTV	2	UT 1080
		1159	WTHS	2	FL	1150		1847	UnID	2	Spanish
		1235	WEDU	3	FL	1985		1859	WSAZ	3	WV 1100
		1245	WEAR	3	FL	1685		1900	WOAY	4	WV 11150
		1258	WESH	2	FL	1055		2059	KDKA	2	PA 1280
		1303	WDIQ	2	AL	730		2117	WDTN	2	OH 1075
		1320	WKRG	5	AL	1630					
		15:5	UnIDs	2-6							
		1620	WESH	2	FL	1055					
		1629	KEYT	3	CA	1270					
		1629	KGFE	2	ND	1240					
		1629	KNXT	2	CA	1190					
		1645	XHBC	3	BCN	1010					
		1645	KNBC	4	CA	11190					
		1659	KDLO	3	SD	1070					
		1706	KDIX	2	ND	1225					
		1730	KTWO	2	WY	1015					
		1829	KUSD	2	SD	920					
24	Es	0850-1045	UnIDs	2-4							
		1059	WSJK	2	TN	1010					
		1133	UnID	6							
		1432	WCIV	4	SC	11120					
		1432	WCBD	2	SC	1120					
		1432	WCSC	5	SC	11120					
		1659	WCBD	2	SC	1120					
		1930	KDKA	2	PA	1280					
		1930	WOAY	4	WV	11150					
25	Es	1035-1115	UnIDs	2,3							
		1055	UnID	2	sw						
		1210	WEDU	3	FL	1985					
		1212	WESH	2	FL	1055					
		1225	WEAR	3	FL	1685					
		1230	WUPT	5	FL	1975					
		1330	WPBT	2	FL	11150					
		1334	WCBD	2	SC	1120					
		1340	WCIV	4	SC	11120					
		1357	WDTN	2	OH	1075					
		1408	WTVV	4	IN	1950					
		1658	KTVQ	2	MT	1245					
		1759	KTWO	2	WY	1015					
		1959	KDAL	3	MN	1250					
		1959	KTCA	2	MN	1110					
		2000	WCCO	4	MN	11110					
		2130	KDIX	2	ND	1225					
		2200	KTVQ	2	MT	1245					
		1629	WATE	6	TN	990					
		1718	WBBM	2	IL	1045					
		1115	UnID	7	ne,	brief					
		*1145	UnID	7	again						
		1929	KBCI	2	ID	1370					
		1929	KID	3	ID	1215					
		1939	KPVI	6	ID	1195					
		2001	KDIX	2	ND	1225					
		2125	WDTN	2	OH	1075					
		2128	WTWO	2	IN	935					
		2130	WTVV	4	IN	1950					
		2133	WRTV	6	IN	1995					
		2250	KTWO	2	WY	1015					
		2345	UnIDs	2,3							
		2359	KPLC	7	LA	325					
		0010	KJTA	3	SD	11040					
		0017	KDFW	4	TX	250					
		0021	UnID	3							
		tr	0034	KXAS	5	TX	240				
		MS	0302:40	WAGA5GA		N880					
			0350:30	WSB2GA		880					
			0359:25	WESH2FL		1055					
		Es	0815	UnIDs	2-6						
			1125	WBAY	2	WI	1190				
			1130	WFRV	5	WI	11190				
			1250	UnIDs	2-6						
			1620-30	KCMT	7	MN	T				
			(missed this higher								
			MUF in Sep. chart--de)								
			1629	WDTN	2	OH	1075				
			1955	WCCO	4	MN	11110				
			1959	KTCA	2	MN	1110				
			2059	KUSD	2	SD	920				
			2121	WDTN	2	OH	1075				
			0102	KALB	5	LA	385				
			0131	WDTV	5	WV	11220				
			0337:10	WSB2GA		880					
		Es	0820	UnIDs	2,3						
			0859	WBAY	2	WI	1190				
			0929	WISC	3	WI	1065				
			0959	WMT	2	IA	945				
			1028	KTCA	2	MN	1110				
			1028	WCCO	4	MN	11110				
			1123	KDIX	2	ND	1225				
			1128	KDLO	3	SD	1070				
			1159	KFYR	5	ND	11200				
			1202	KPLO	6	SD	955				
			1717	WPBT	2	FL	1150				
			1718	UnID	3						
			1748	UnID	2	ese					
			1835	WESH	2	FL	11055				
			2045-2140	UnIDs	2-4						
			2125	UnID	2	Spanish					
			0810	UnIDs	2-4						
			0817	WMT	2	IA	945				
			0830	UnID	2	Mexico					
			1100	KNXT/KNBC/KTLA							
			all	T	CA	1190					
			1103	(Pat notes MUF							
			way above 110	MHz,							
			see Jim Pizzi--de)								
			1525	WBAY	2	WI	1190				
			1029	KUTV	2	UT	1080				
			1030	UnID	3						
			0026	UnID	2						
			0027	UnID	2						
			0028	UnID	2						
			0029	UnID	2						
			0030	UnID	2						
			0031	UnID	2						
			0032	UnID	2						
			0033	UnID	2						
			0034	UnID	2						
			0035	UnID	2						
			0036	UnID	2						
			0037	UnID	2						
			0038	UnID	2						
			0039	Un							

Pat Dyer continued...

<u>August</u>											
<u>04</u> Es	1103 KTVQ	2 MT	1245	<u>05</u> Es	0850 UnIDs	2,3,4?	<u>06</u> tr	0423 KNOE	8 LA	440	
	1505 UnID	2 brief, ne			tr fuzzing	MUF		0436 KALB	5 LA	385	
	2015-35 UnIDs	2-4			0859 KORK	3 NV	1050	Es	0850 UnID	2	
	2035 WCIV/WCSC	both T			0859 KOAI	2 AZ	855		0919 WCBD/WCIV	T1120	
	2035 WJXT	4 FL	T1015		0859 KVVU	5 NV	T1040		0955 UnIDs	2,3	
	2059 WSJK	2 TN	1010		0930 KNBC	4 CA	T1190		1010 & 1040-1110	ditto	
	2127-31 local	5 off,			1001 XETV	6 BCNT	T1100		1125 WJBK	2 MI	1225
	but no IDs	under it.			1215-30 UnID	2 SS,	sw		1130 WWJ	4 MI	T1225
	2135 WDIQ	2 AL	730	tr	2228 KPLC	7 LA	325		2045 UnIDs	2,3 ne	
	2140 WEDU	3 FL	T985		2231 WAFB	9 LA	T450		2129 WSJK	2 TN	1010
	2355 WBBM	2 IL	1045	<u>06</u> MS	0403:05 WLAC5TN	820			2230 KTCA	2 MN	1110
<u>05</u> Es	0000-0122 UnIDs	2			0413:10 WLWT5OH	1035					
	0042 WMT	2 IA	T945		0417:15 WKRGSAL	630					

Apparently July turned out to be a better Es month this year than June did. At least two instances of ch.7 Es, though they were nothing like the June 30 '75 opening. Have finally been lucky in getting some new ch.5s on meteor bursts. Hope to improve the totals there... 73, WASIYX

*****Pat's loggings for August and September will be seen next time. Pat was still seeing Es on 01 October, as the chart below will show...

Date July:	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	<u>31</u>	August:	<u>01</u>
#reporters	8	8	5	5	3	5	4	6	2	7	3	4		3
MUF at least	101.9	104.7	107.7	107.9	99.1	107.9	7	7	94.5	9	3	107.9		'FM'

<u>02</u>	<u>03</u>	<u>04</u>	<u>05</u>	<u>06</u>	<u>07</u>	<u>08</u>	<u>09</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>21</u>	<u>22</u>	<u>23</u>
3	1	1	3	1	1	3	3	1	1	2	3	1	2	1	3	1	2	1	2	3
104.3	4	5	94.1	4	2	98.7	90.7	98.7	89.7	107.9	5	4	3	3	5	3	3	97.1	94.3	3

<u>24</u>	<u>27</u>	<u>31</u>	Sept.:	<u>03</u>	<u>05</u>	<u>09</u>	<u>10</u>	<u>11</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>20</u>	<u>22</u>	<u>25</u>	<u>26</u>	<u>29</u>	<u>30</u>	October:	<u>01</u>	<u>06</u>
1	1	1		1	1	1	1	1	1	1	1	1	1	1	2	1	1	1		1	1
4	2	2		2	2	3	2	4	4	6	98.9	3	2	2	3	4	6	6		6	3

*****And now, the long-awaited hi-band Es report from Jim Pizzi...

Jim Pizzi, 300 Park, Orcutt CA 93454 (PDT) (02-30 July) Log at 182

<u>02</u> Es	1720 XHJMA	3	<u>03</u> Es	1259 KREM	2	<u>06</u> Es	1611 XEJ	5
<u>03</u> Es	0757 KMID	2 T		1320 KAMR	4		1626 KPRC	2
	0810 UnID	2 east		1320 KTVY	4		1638 KMID	2
	0812 XEPM?	2 se		1345 KTEW	2		1645 UnID	4 ese
	0812 KAMR	4		1403 KTVG	6		(IHTP)	
	0813 KENW?	3		1411 KOTV	6		1649 KUSD	2
	0827 UnID	3 east		1446 KWAB	4		1653 KMOL	4
	0827 UnID	5 east		1530 KXLF	4		1655 KENS	5
	0832 UnID	2 east		1549 UnID	2		1716 XEFE?	2
	0845 KREM	2		1546 UnID	4	same	1727 KRIS	6 N
	0858 KMID	2		1559 KTVQ	2		1729 KIII	3 N
	0906 KREZ	6 N		1600 KCKT	2		1731 KAVE	6 N
	0908 UnID	5 east		1607 CKCK	2		1900 KDFW	4
	0928 UnID	4 ne		1628 KARD	3		2020 KPRC	2
tr	0958 KTXL	40		1729 KDIX	2		2111 UnID	2 east
Es	1024 KMID	2		1729 KTWO	2	<u>07</u> Es	0755 KMID	2
	1029 UnID	2 nne	<u>04</u> Es	1131 KMID?	2		0755 KACB?	3
	1050 UnID	3 nne		1131 KACB?	3		0800 UnID	4 east
	1055 KREM	2		2002 KNOP	2		0829 KPRC?	2
	1058 CHBC	2		2003 KTIV	4		0833 UnID	2 east
	1128 UnID	3 north		2003 UnID	5 ene		0841 UnID	2 east
tr	1130 KTVU	2		2003 UnID	6 ene		0859 WDTW??	2 (I've never heard of it-de)
Es	1141 KOMO?	4	<u>05</u> Es	0120 CBUT	2		0930 KDIX	2
	1148 UnID	2 north		0125 KOMO	4		0930 KTVQ	2
	1229 UnID	2 north		0125 CHEK?	6		1030 KNOP	2
	1234 UnID	4 north		0915 UnID	2 east		1142 KREM	2
	1235 KOCO	5	<u>06</u> Es	1317 KMID	2		1145 KPXY	4
	1241 CFCAC	2		1317 KACV	3		1538 UnID	2 ese
	1246 KFDX	3		1327 UnID	4 east		1545 KMID?	2
	1249 CFCN	4		1400 XEPM	2		1608 KACB?	3
	1252 KXLY	4		1610 KDBC	4			

Jim Pizzi continued...

<u>07</u> Es 1608 KDBC 4	<u>13</u> Es 1000 KCKT 2	<u>17</u> Es 1408 KRTV 3
BS? 1631 KNXT 2 by	1007 KSNB 4	<u>18</u> Es 1232 UnID 2 ne
backscatter??	1028 KENW 3	1233 UnID 3 ne
Es 1800 UnID 2 east	1529 CKCK 2	1235 UnID 2 ne
1810 UnID 3 east	1530 CBKMT 4	1246 UnID 2 ne
1930 KMID 2	1532 KTVQ? 2	1256 KTVQ 2
2000 KNOP 2	1550 KRTV 3	1300 KBCI? 2
2012 KLNE 3	1551 KXLF 4	1302 KXLF 4
2018 KCKT 2	1552 <u>CJFB</u> 5 N	1328 KXLY 4
2020 KARD 3	1555 <u>KFBB</u> 5	1328 KFBB? 5
<u>08</u> Es 0720 KCKT 2	1615 CHAT? 6	1345 KREM 2
0800 KNOP 2	1618 KREM 2	1346 KRTV 3
1105 UnID 2 ne	1618 CFAC? 2	1422 KOMO 4
1109 UnID 4 ne	1658 CFAC 2	1459 KATU 2
1113 CFAC 2	1736 KMID 2	<u>20</u> Es 1419 UnID 2 nne
1115 KREM 2	1834 KACB 3	1602 UnID 2 nne
1142 CKCK 2	tr 2302 KTEH 54	1652 KENW 3
1229 KDIX 2	2304 K83BJ	1656 KDBC 4
1229 KFDX? 3	(Gonzales CA)	1659 XEPM 2
1800 KNOP 2	<u>14</u> tr 0035 XETV 6	1754 KAMR 4
1800 KTVS 3	0043 KMST 46	1755 KENS 5
1801 UnID 2 ne	tr * 0050 KMVI?? 12	1759 KMOL 4
1802 KOA? 4	Wailuku HI-not	1800 UnID 4 se
1803 KMTV? 3	KHSL,XEWT,KCOY.	1801 XEJ? 5
1830 UnID 2 east	very weak...	1804 KIII? 3
2102 KMID 2	Es 0959 KCKT 2	1843 KXAS 5
<u>09</u> Es 1130 KMID 2	1010 KHAS? 5	1852 KBTX? 3
1130 KACB? 3	1015 KSNB 4	1855 KWGN 2
1131 KWAB 4	1025 KLNE? 3	1923 KOA 4
1144 KENS? 5	1029 KWGN 2	1959 KCKT 2
1150 KDFW 4	1030 KOA 4	<u>21</u> Es 0939 KNOP 2
1220 XHCH? 2	1059 <u>KIVV</u> 5 N	0940 KPRY? 4
1255 KREM? 2	1103 KTWO 2	0941 KXON 5
1257 KTVQ 2	1107 KYCU? 5	0950 KDUH 4
1257 KID? 3	1128 KTVQ 2	1028 KPRY 4
1305 KXLY 4	1507 KLEW 3	1030 KTWO 2
1329 XHCH 2	1507 KREM 2	<u>22</u> Es 1445 KMID 2
1350 KDIX 2	1515 CFAC? 2	1446 XEPM 2
1351 KBCI? 2	1526 UnID 4 north	1446 UnID 3 east
1405 KWGN 2	1542 UnID 3 north	1447 KDBC 4
1640 XHI 2	1600 KTVQ 2	1450 UnID 2 east
1640 XHCH 2	1652 KATU 2	1459 UnID 2 east
1640 UnID 4 east	1658 KOMO 4	2021 UnID 2 ne
1644 XHBS 4	1712 UnID 4 north	2027 UnID 4 ne
1728 KMID 2	1718 KING 5	2028 UnID 5 ne
1729 KACB 3	1800 KAID 4	2029 UnID 3 ne
1757 KWAB 4	1830 CBUT 2	2102 CFAC 2
1819 KMOL 4	<u>15</u> tr 0041 <u>KHSL</u> 12 N	2102 KTVQ 2
1825 XEPM? 2	Es 1332 UnID 2 ne	2102 KMID 2
1825 UnID 5 east	1333 UnID 4 ne	2320 UnID 4 east
1828 KDBC 4	1333 UnID 3 ne	2320 UnID 2 ne
1842 XHIT? 4	1341 UnID 2 nne	2324 KMID 2
1856 XHI 2	<u>16</u> Es 1320 KMID 2	<u>23</u> Es 0010 UnID 2 ne
1856 XHBS 4	1325 KACB 3	1731 KREM 2
1857 XEPM 2	1328 KWAB 4	1750 CFAC 2
1900 KWGN 2	1445 UnIDs 2 east	1750 UnID 4
<u>10</u> Es 1405 KMID 2	1515 UnID 4 east	<u>24</u> Es 0928 KREM 2
1407 KACB 3	1518 UnID 2 east	0928 UnID 3
1425 KWAB 4	1530 KTWO 2	0928 UnID 4
1600 KAMR 4	1540 UnID 2 ne	<u>25</u> Es 1715 UnID 2 ne
<u>11</u> Es 0955 KMID 2	1540 UnID 4 ne	1717 UnID 3 ne
0958 KWAB 4	<u>17</u> Es 1316 UnID 2 ne	2317 KNOP 2
1735 UnID 3 ene	1318 UnID 3 ne	<u>27</u> Es 1505 KXAS 5
1736 UnID 4 ene	1400 UnID 2 ene	1507 KDFW 4

Jim Pizzi continued...

27 Es 1507 UnID 4	29 Es 1008 wide open 2-6	29 Es 1159 KTVC 6
1507 UnID 2 east	*** 1022 <u>KVIJ</u> 8 N	1330 KTVQ 2
1507 UnID 3 east	<u>Sayre OK</u> 1140mi	1336 KXON 5
1522 KAUZ 6	*** 1022 <u>KVII</u> 7 N	1400 KIVV 5
1530 KALB? 5	<u>Amarillo TX</u>	1420 CKCK 2
1555 KWGN 2	*** 1048 UnID 7 east	1459 KBCI 2
1601 KDIX 2	*** 1118 UnID 7-9 east	1529 CFAC 2
1630 KTVQ 2	1137 KREZ? 6	1539 KREM 2

Es on 7/29 was the best ever seen by me. Tuned in at 1000 and 2-6 were packed 3 & 4 deep. Went to the FM and ch.7 immediately. Nothing on ch.7 at that time, but continued to monitor it. FM was packed with IDs from NM. At 1020, noted CCI on 7 & 8. At 1022, audio on ch.8 was in with anncr. mentioning "Sayre"-(pulse now at 180!) My 1st hi-band Es-great DX sensation. Chs 7 & 8 now in with audio & video and into color at times (light CCI from KABC-7 and moderate from KFMB-8) with the same program. Livestock report w/Bedford Forest and ads-all on tape and photos. Ch.7 Es UnID again at 1048-strong at times-and UnIDs at 1118 on 7,8,9 (prob.KVII/KSWO-7; KVIJ/KTUL-8; KWTU-9). Also in on FM for about 15min - WRBQ 104.7 Tampa FL by 2Es at 2280mi-got it on tape! What a day, 2 new TV and 37 new FM w/many relogs. It should happen to everyone... (I agree--de) (congrats on super DX, Jim!--de)

*****Es was certainly strange this year, with f/out in the Pacific NW taking place in early August, and still going in Texas on October 01... It has been an interesting year at any rate.

Fall tropo has been lousy by past comparison in the eastern part of the zone. Hopefully, by the time this is in print, we'll have something to celebrate around here. Wish we had gotten in on the nice tropo experienced during August back east.

As far as my personal equipment collection goes, rapid expansion is upcoming. Plans for 70' tower are rekindled, neighbors willing... Have lots of plans, and I hope to get them going this winter.

Jim Pizzi's tentative tropo logging of KMVI on 14 July would be very nice if only confirmed. We've all been waiting for someone to snare it, and maybe Jim did! Jim's hi-band Es loggings are bothering me... If I had been in Enid that day, perhaps I'd have seen CA on hi-band. Seems like it never works out for me...

Keep the reports speeding to me... still waiting for Dennis to write with at least a paragraph of comments (hint-hint). Any comments on the column will be appreciated, along with ways you and other readers think the column could be improved. Thanks again to those who met the new deadline this time around.

73 & the Best of DX!

Doug

TV-CCI (continued from page 17)

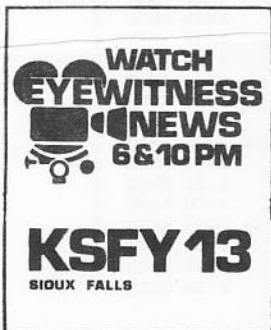
NOVEMBER 1976

OREGON EDUCATIONAL PUBLIC BROADCASTING SERVICE (OEPES)

KOAC ch. 7 Corvallis
 KVDO ch. 3 Salem
 KOAP ch. 10 Portland
 KTVR ch. 13 La Grande

Starting next January FM-CCI and TV-CCI will be merged after a few years of separation. All FM and TV unids should be sent to the Bend OR address.

73's until next month.

Frank

THIS IS YOUR DX

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

Well, we finally got back in print. The Convention was great! And the price, for me, of \$9.00 a day was something else. Thank you, Morrie---and all those that made it the great success that it was! I shared a big room with the famous Bob Seybold. (He's the one that's got that hill!) I did make a remark at one of our meetings before all of the members there about removing the hill and sharing it around the country with all of our members, but nothing came of it. I guess it would be too big of a job! P.S.---Bob just sat there and smiled---a great guy! Notice how my DX picked up after I came back---HA! But I'll tell you one thing: I didn't see a bad DXer there (smile)! All the fellows were great!

Well, DX here is bad now---the same as last month. The only thing good is sex (sorry about that!). For this month's DX story, we have a short one from Canada---Mr. David Leibold of Blyth, Ontario. I hope you like it!

A few years before I joined the WTFDA, I thought TV was very fascinating. Weather permitting, I could get the US stations from Detroit, Cleveland, and Buffalo, but most of my catches were limited to the Border or near stations. A few Canadian stations added to the list, but really they were "extended groundwave" because they weren't that far away.

One night, I took to watching the portable TV in our home. I decided to look for some DX, so tuning the rabbit ears on the set for UHF operation, I just wanted to see what a UHF station was like.

Afterwards, I twiddled the dial, and out popped a UHF station. It was WKBD-50 in Detroit! Just a reminder that I was using rabbit ears, and the regular antenna was blank for reception. It was the Detroit hockey game. The signal hardly faded until about 10:30 P.M. (when the game was over).

One night a short time ago, I wanted to get a US station, so I tried channel two. I moved the aerial around some, then got a hold of Sesame Street. I wondered if PBS took over Buffalo?! But I got the ID---it was WPBT, Miami, Florida! This happened when I didn't know about Es, tropo, or other modes. Later, I got WTVJ-4 Miami by Es. The Great Lakes region should be brimming with TV-FM activity since it is in one of the most congested TV districts of the world!

73's and 88 for now--David

Thank you, David! I was very glad to receive your story and letter. And may you have 50 years of good DXing!

That's another one of the DX stories that keep coming in here. Do I have yours? If not, send it! Also let David know how you liked his. Would you believe that he is older than me? Yes--in his seventies!!

"CPs"---TVO has been running off channel--32 is on 33, interfering with 31 and 34. Channel 59 has been on 60. Also, TVO stations have been relaying other stations while on the air. We here and around the Buffalo area are becoming experts on it! I have picked up 7 different stations or networks, such as WCDC-19, WUTV-29, WBRE-28, CBLFT-25, Global, etc. repeated by TVO stations. I have taken pics of WBRE and WCDC. Many unIDs have been seen also. Some run from a perfect VAFI 5555 to half a vertical picture to wide horizontal lines--tearing TVO's picture! Clarke Ingram may do a story on it in the VUD. I have sent pics, logs, and info to him.

And, no, CP does not stand for Campus Patrol! (O.L., Ontario). Okay, that's it for now. Good DXing and 73's....

Paul

A REMINDER that we will not publish results of the third WTFDA MEMBER SURVEY in the VUD until at least a majority of the questionnaires have been mailed in. Your editor is extremely disappointed with response to date, which has been only 108 questionnaires out of over 280 mailed to the membership with the July VUD. Since the card was postpaid, there is no excuse for not sending in your survey--in fact, if you don't, you are wasting WTFDA's money! It is surprising to note that even DX column editors have been lax in completing their questionnaires, with only a handful of these received to date. We need to know your opinions in formulating future WTFDA and VUD policies!



Andy Bolin, Editor
709 Lincoln Ave.
Charleston, Illinois
61920
Tele. 217-345-5778
* MUST update by January 10

November 1976

Dxer Location	TOTAL	88-92	Es	MS	Au	USA	CN	MX	KF	TPU	avTR	avMS	YB	AS OF
Andy Bolin, Charleston IL	1678	242	588	87	272	44+	7	4	3	59			70	10/10/76
John Ebeling, Bloomington MN	918	120	445	13	66	45+	4	2	0	52		705	52	12/1/75
Pat Dyer, San Antonio TX	912	98	701	13		38+	2	6	3	50		755	70	10/12/75
Michael Dalton, Clearwater FL	885	189	452			40+	1	0					72	8/14/76
Fred Nordquist, Clay NY	824	102	328	15	26	38+	3	0	2	44	286	791	69	7/20/76
Fred McCormack, Des lacs ND	795	100	582	21	65	43+	6	3	0	53	466	922	65	7/3/76
Bob Seybold, Dunkirk NY	781	82	306	0		41	4	5	0	50		000	60	1/5/76
Peter Sawatzky, Waterloo ON	732	80	307	84	5	38+	4	0	1	44	231	719	71	8/10/76
Joseph Pella, So. Plainfield NJ	682	135	264	2		37+	2	0	2	42			68	8/21/76
Roger Winsor, Hobart IN	653													6/14/76
Danny Buntin, Stillwater OK	524	53	264	0	0	37+	3	3	0	0			74	6/10/76
Tom Cornell, Kokomo IN	515	90	15	0	0	16	1	1	0	0	18		58	8/24/76
Richard J. Steinberger, Hudson MA	434	72	162	7	6	31+	2	0	0	34			71	10/2/76
Joseph Smith, Johnson City NY	347	37	52	3	0	22+	1	4	1	25	180	775	71	7/25/76
Steve Wiseblood, Santa Maria CA	351	44	208	0	0	18	3	4	0	25	135	700	71	10/11/75
Earle Lyons, Belleair Bluffs FL	289	59	0	0		24	1	4	4	33		000	74	4/22/76
Harry Hayes, Thornhurst PA	287	20	125	1	0	30+	2	0	1	34	180	665	70	10/26/75
Wayne Ebeling, Bloomington MN	267	45	100	3	0	30+	0	0	0	31		758	72	11/20/75
Ron Seman, Whiting IN	226	44	0	0	0	7	1	0	0	8	128	000	76	2/25/76
Frank Wheeler, Erie Pa	133	16	0	0	0	5	1	0	0	6			64	8/17/76
Ken Simon, West Palm Beach FL	127	53	72	0	0	17+	1	4	4	24			71	6/14/76
John Zondlo, Hammond IN	118	15	5	0	0	8	0	0	0	8			71	7/14/75
Bill Dickerman, Williamsport PA	113	8	3	0	1	12+	1	0	0	14			76	10/9/76
Pete Oprisko, Whiting IN	99	99	3	0	1	12	0	0	0	13	116	000	73	10/5/76
Michael Hogan, Highland IN	70	21	1	0	0	6	0	0	0	6	211	000	75	11/25/75
John Sally, Wickliffe OH	69	8	6	0	0	7	1	0	0	8				

PLEASE double check your TPUs; some of them don't add up!

that no inactive Dxers have taken the opportunity to have their totals permanently listed! Let me repeat that if you have moved or become inactive, you can have your totals permanently listed by putting the word inactive under the "AS Op" heading.

CQ next year!

Andy

104 & 105 MHZ FM DX RECORDS

MHz	Prop	Call	Location	Miles	DXer, Location
104.1	Es	KRBE	TX Houston	1400	Fred Nordquist North Syracuse NY
	Tr	KRBE	TX Houston	980	Russ Brown, Saint Joseph MI
	MS	WLAG	GA La Grange	1025	Bruce Elving, Duluth MN
	Au	WIKY	IN Evansville	560	John Ebeling, Bloomington MN
104.3	Es	WBBQ	GA Augusta	1440	Fred McCormack, Des Lacs ND
	Tr	KBEY	MO Kansas City	630	Richard Wood, Baton Rouge LA
	MS	WOMC	MI Detroit	885	Glenn Hauser Enid OK
	Au	KBEY	MO Kansas City	0470	Russ Brown, Saint Joseph MI
104.5	Es	WEAT	FL West Palm Beach	1880	Fred McCormack, Des Lacs ND
	Tr	KEXL	TX San Antonio	970	Mike Dalton, Clearwater FL
	MS	KEXL	TX San Antonio	1100	Russ Brown, Saint Joseph MI
	Au	WWST	OH Wooster	635	John Ebeling Bloomington MN
104.7	Es	WDOL	GA Athens	1865	Bill Frahm, Boise ID
	Tr	WJLN	AL Birmingham	960	Bruce Elving, Duluth MN
	MS	KRES	MO Moberly	825	Glenn Hauser Albuquerque NM
	Au	KIOV	SD Sioux Falls	520	Andy Bolin, Charleston IL
104.9	Es	KSMI	LA Donaldsonville	1370	Fred McCormack, Des Lacs ND
	Tr	WNRE	OH Circleville	680	Bruce Elving, Duluth MN
	MS				
	Au				
105.1	Es	WAVA	VA Arlington	1390	Glenn Hauser, Von Ormy TX
	Tr	WWQS	FL Orlando	1045	Glenn Hauser, Von Ormy TX
	MS	WYOR	FL Coral Gables	1050	Carlton Howington, Uniontown OH
	Au	WSOM	OH Salem	680	John Ebeling, Bloomington MN
105.3	Es	WAGI	SC Gaffney	1370	Fred McCormack, Des Lacs ND
	Tr	WVSL	LA Slidell	840	Russ Brown, Saint Joseph MI
	MS	KKKX	TX Dallas	1100	Fred McCormack, Des Lacs ND
	Au	WDAS	PA Philadelphia	605	Russ Brown, Saint Joseph MI
105.5	Es	WRAR	VA Tappahannock	1435	Fred McCormack, Des Lacs ND
	Tr	WGUL	FL New Port Richey	965	Glenn Hauser, Von Ormy TX
	MS				
	Au	WXEZ	OH Sylvania	280	Andy Bolin, Charleston IL
105.7	Es	GHSC	ON Saint Catherines	1440	Glenn Hauser, Von Ormy TX
	Tr	WOOD	MI Grand Rapids	915	Richard Wood, Baton Rouge LA
	MS	WOOD	MI Grand Rapids	790	Glenn Hauser, Enid OK
	Au	KXEL	LA Waterloo	600	Fred McCormack, Des Lacs ND
105.9	Es	WXRA	VA Woodbridge	1380	Glenn Hauser, Von Ormy TX
	Tr	WAXY	FL Fort Lauderdale	1155	Glenn Hauser, Von Ormy TX
	MS	WLAC	TN Nashville	1120	Fred McCormack, Des Lacs ND
	Au	KBPI	CO Denver	685	John Ebeling, Bloomington MN

Central Tv-Dx (continued from page 43)

Nov. 1976

William J. Draeb; Ellis St., R.R.#2, Kewaunee, Wi, 54216 CDT (414)-388-2350					
9-19	Tr	0813	CIOO-18(328)	10-2	Tr 2143 RHIN-36(457)
9-22	Tr	2130	KHIN-36(457)		10-4 Tr 0630 WSEE-35(405)
9-24	Tr	0815	KDNL-30(432)	10-3	Tr 0630 WKEF-22(368)
			1911 KHIN-36(457)		0640 WKYT-27(473)
9-25	Tr	1856	WKYT-27(473)		WLEX-18 "
9-26	Tr	0819	KDNL-30(432)		0642 WYTV-33(420)
			0840 WKEN-27(420)	0705	10-8 Tr 2038 WTPA-27 T
9-29	Tr	1912	KDNL-30(432)		(lasted abt 2 min.)
			1940 WWVU-24(513)		Cleveland U's
9-30	Tr	0815	KDNL-30(432)		2046 WKHN-27(420)
10-1	Tr	0630	WJET-24(405)	0750	KDNL-30(432)
10-2	Tr	1900	WFMJ-21(420)		2059 WJET-24(405)
10-2	Tr	1900	WKEN-27 "	10-4	Tr 0630 KMEG-14(462)
10-1	Tr	0630	WSEE-35(405)T		WTV-29(445)
10-2	Tr	2142	KDNL-30(432)		10-9 Tr 2013 KDNL-30(432)
					10-10 Tr 1858 WOSU-34(395)
					10-11 Tr 2117 KHIN-36(457)



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WORLDWIDE TV-FM DX ASSOCIATION

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