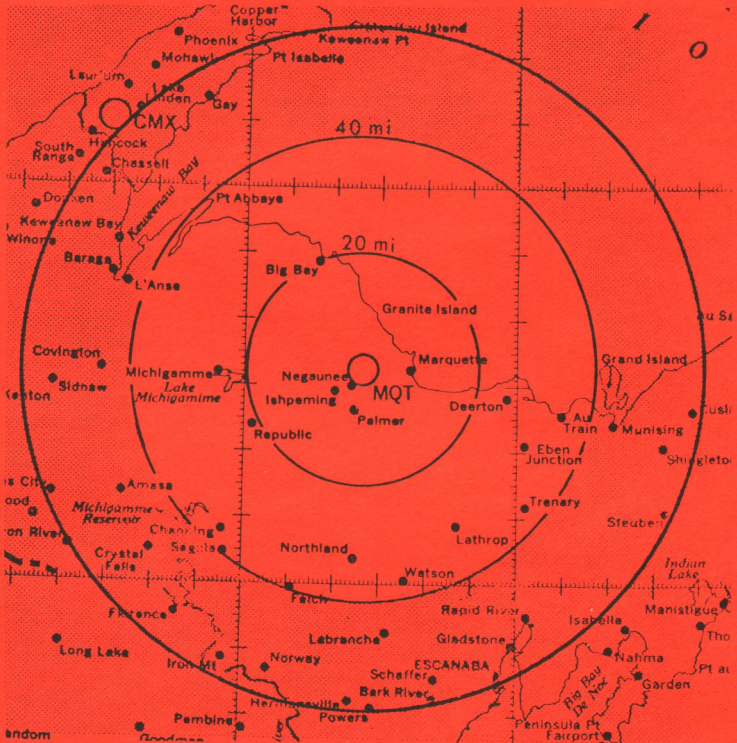


A Public Service Providing  
DIRECT WEATHER INFORMATION  
U.S. DEPARTMENT OF COMMERCE  
NATIONAL WEATHER SERVICE

# VHF-UHF DIGEST

JUNE 1975

## NOAA WEATHER RADIO Station KIG-66 Freq. 162.55MHz MARQUETTE BROADCAST AREA



# **publishers' notes...**

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

**HELP WANTED...**a volunteer to take over the SOUTHERN FM DX column is needed immediately. As we are entering into peak E-skip months, we would like to be able to fill this post with no more than a one month's lapse. Naturally we would prefer an editor from the Southern reporting area (East of the Mississippi and south of the Mason-Dixon line). However, those of you from other areas who have voiced interest in doing a column will be given first consideration if we have no southern-area volunteers ten days after receipt of this issue. Please send a brief type-written note to Don Ruland, 4448 68th Place, Kenosha, WI 53140 if you are interested. A special note of thanks to Ted Fleischaker of Louisville, KY for his past efforts with the SOUTHERN FM DX column.

**MORE HELP WANTED...**likewise, we will be needing a new editor for the WESTERN FM DX column, effective with the August VUD. Roger Horie has done a fine job with the column, and will be writing his final column next month. Again, contact Don Ruland if you'd like to assume Roger's job...westerners (west of the big muddy, that is) get first crack. But we would like to continue this important column uninterrupted if at all possible, so don't delay.

**NEW MEMBERSHIP DUES...**the past few issues of the VUD have erroneously shown the dues on the back cover as \$9.00. This of course should have read \$11.00, and is corrected on this month's back cover (overseas rate of \$18.00 has been correctly stated).

**PHOTO-NEWS...**this column will not appear again this month due to the extra workload of final exams on editor Jim Alexander. Please send all future materials for this column to Jim at 8 Court Knolle, New Hartford, NY 13413. Incidentally, Jim mentions a very useful brochure is available from Eastman Kodak on "How to Photograph TV Pictures". It is free...simply write to Eastman Kodak Co., Consumer Markets Division, Rochester, NY 14650, and request same.

**CONVENTION NEWS...**the latest on the 1975 WTFDA convention to be hosted by Ken Simon in West Palm Beach can be found on page 4. Make your plans now!

**TV STATION GUIDE...**an additional page for the new WTFDA TV Station Guide has been published, entitled "Using the WTFDA TV Station Guide". The more recent mailings include this page; however, if yours does not, simply send a SASE to Deerfield HQ and we will promptly forward the additional page free of charge.

# WTFDA MAILBOX



John Zondlo  
608 N. Martin  
Muncie, IN 47303

Greetings. Should be a short column this month so here goes.....

Michael J. Albanese	917 Rosehill Dr.	Altoona, PA 16602
Robert B. Babut	858 The Circle	Lewiston, NY 14092
Bill P. Bledsaw	1700 N. 33rd St.	Decatur, IL 62526
Alan Davenport	31 Madison Dr.	Ogdensburg, NJ 07439
Kjell O. Hanssen	Laskenvn. 85	N-3200 Sandefjord, Norway
Bill Harrison	2124 Saranac St.	Adelphi, MD 20783
Dean Niemi	308 N. 60 Ave. W.	Duluth, MN 55807
Philip M. Ownbey	1365-A Lacrosse	RSA, AL 35808
Ted Pinski	747 Kipling Dr.	Toledo, OH 43612
Roger Sabella	Box 309	Oak Lawn, IL 60454

Renewals: Bill Bens, Rolf Blödnorn, Michael F. Collins, Richard Peary, John Ray and Robert J. Williams.

New Address: Bill Bens-2114 Wealdwood Ct.-Kirkwood, MO 63122

Computer operator MICHAEL J. ALBANESE enjoys all areas of DX. His gear consists of a Realistic TM-1000 FM tuner and a Patrolman Pro-2B VHF Monitor receiver. Michael is also a member of NRC and NNRC.

Decatur member BILL BLEDSAW pursues DX with a Realistic DX-160 receiver and a Pro-7A scanner.

ALAN DAVENPORT is a restaurant cook whose DX interests include BCB, SW, FM and TV. A member of the National Radio Club, his shack features a Panasonic 19" B&W TV, a Channel Master 6256 AM-FM, PSB hi. lo. and a GE AM, FM, PSB hi. lo.

From the land of fjords comes KJELL HANSSSEN, a 19 year old student. A visit to Kjell's shack would find him tracking down DX on a Tandberg Huldra 9 receiver. He is also a member of the DX Listeners club of Norway.

Primarily interested in FM, PHILIP OWNBEY DX's with a McIntosh MR78 tuner connected to a Rinco FM10 antenna with a rotor.

Shortwave DXer TED PINSKI is delving into the FM-TV DX area using a Channel Master antenna mounted on a 50 foot tower. Ted is anxious to receive your tips on receiving those long distance stations. Also, if you've had much experience with amplifiers, he'd like to know which ones are the best.

ROGER SABELLA is a salesman who's interested mainly in BCB and FM DXing. Also a member of NRC, Roger spins the dials with an Ampex ASR-100 and a Toshiba IC-70.

Tidbits.....

Renewing member Richard Peary tells us that his equipment includes an RCA color TV, a Magnavox stereo and a Regency scanner.

ANARC Executive Secretary Dave Browne had some favorable comments about WTFDA recently. "I enjoy your monthly bulletin and believe it is one of the best edited that I have had the pleasure of reading," wrote Dave. Riverside, California member Iden B. Rogers posed some rather interesting thoughts in a letter received here recently. His DX interest is focused on the 30-50, 150-175 and 450-470 MHz bands. I'm reprinting his comments here so that you can form your own opinion on them and possibly write him with your comments----

"Each of us has his own special interests and mine are: 1) attempting to be knowledgeable about the local systems in my area, 2) improving my receivers and antennas in an effort to receive a maximum number of mobile units that are in communication with local base stations, and 3) listening to message content. My listening is focused mostly on law enforcement and fire/forestry but also includes road departments, trains, and a number of others. The hobby as I pursue it, needless to say, is different from those who seek DX and/or QSL's.

At this point I must ask, does the WTFDA welcome serious "monitor" enthusiasts and are the pages of the VUD open to them or is the club limited to the DX and QSL aspects of the hobby? If the club is open to them it is not apparent either in the VUD or in the ANARC descriptions of affiliated clubs. Perhaps the club is overlooking a source of memberships by not actively seeking serious monitor enthusiasts. By "serious" I mean those who have progressed beyond the stage of a single scanner receiver with its indoor telescoping antenna and who are also interested in the technical aspects of reception. I would be interested to know the club's position with regard to monitor enthusiasts and would also like to hear from others who pursue the hobby as I do."

Well, that about wraps it up. See y'all soon.....

WORLDWIDE TV-FM-DX ASSOCIATION

Serving the  
VHF-UHF DX  
Enthusiast



1 MAY 1975

CONVENTION NEWS

As convention time nears, a small change in location must be made. The new convention site will be WEST PALM BEACH, FL. AUG 1-3.

The headquarters hotel will be the downtown HOLIDAY INN and I'm told we'll have most of the fifth floor.

SPECIAL RATES will be:

Single \$14                      Double \$18  
Triple \$22                      4-In-Room \$26

(The 4-in-room rate amounts to \$6.50 a day per person!)

The weatherman promises sun and temperatures in the 80s so bring your sun tan oil and swim trunks. There is a pool at the hotel.

Now with NO-FRILLS air fare and many other attractions here in the Sunshine State....**PLAN TO BE THERE! THIS IS THE ONE THEY'LL TALK ABOUT FOR YEARS!**

FOR CONVENTION AND RESERVATION INFORMATION, write me.

**Your attention, please!**

73s & BCing U

*Ken*

KEN SIMON, conv. chairman  
528 PILGRIM Rd.  
West Palm Beach FL 33405  
305-585-7415

# FCG FM NEWS

Bruce F. Elving, Editor  
Box 24, Adolph MN 55701

## New Construction Permits

CA Hanford 103.7 50000 h,v; 500' 33, 80  
CA Merced m 97.5 50000 h,v; 493' 33, 80  
CA Sacramento m 106.5 50000 (ht. not known)  
CA Simi Valley m K296AJ 107.1 (KNJO 92.7  
Thousand Oaks CA translator)  
CO Breckenridge 102.3 3000 h,v; ~230'  
CO Glenwood Springs \*90.5 10  
Translators of KQ1X 95.1 Grand Jct. CO:  
CO Montrose K296AK 107.1; CO Roaring  
Fork K232AD 94.3. [15 and 48 miles  
FL Cape Coral 103.9 3000 h,v; 300' /  
IL Crest Hill 98.3 3000 h,v; 300'  
IL Glen Ellyn-Elgin \*90.9 share-time opera-  
tor; approved between WEPS Elgin and the  
College of DuPage, Glen Ellyn. Whether  
new call letters result for the DuPage-  
part of the \*90.9 operation remains to be  
seen. IL Summit \*88.9 10 (7329 W. 63 St.)  
KS Lawrence \*90.7 10. The next two are  
to be translators of WFS1 107.9 Annapolis:  
MD Frederick W276AB \$ g 103.1  
MD Williamsport W276AA \$ g 103.1  
IA Des Moines K269AC 101.7 g (translator  
of KFGQ-FM 99.3 Boone IA. KFGQ-FM was  
off the air for several weeks because of  
storm damage, but is now back on the air).  
ME Calais 92.7 3000 h,v; 300' 15 & 48 mi.  
ME Houlton 100.1 3000 h,v; 300' " "  
MO Portageville 106.3 3000; 230' 13 & 48  
MT Livingston K252AB 98.3 \$ m [KGVN-FM  
96.7 Belgrade MT translator] UPI Audio  
MT Sidney K247AB 97.7 \$ m (KIVE 96.5 Glen-  
die MT translator). PA Kearsarge, r,  
W224AC 92.7 (WMOI 102.3 McKean PA Xlator)  
TN Dayton kg 104.9 3000 198' 12 & 42  
TX Alice 92.1 3000 h,v; 300' L, Spanish  
TX Victoria 95.1 57000 h,v; 450' 34, 82  
Translators of KSL-FM 100.3 Salt L. City:  
UT Helper K244AE 96.7 \$ m; UT Kanab \$ m  
K261AD 100.1; UT Long Valley Junction  
K288AX 105.5 \$ m; UT Orderville K261AE \$ m  
100.1. (Still two more KSL-FM translator  
applications on file in Utah, which have  
not yet been granted. I now have FM  
application data for stations and trans-  
lators keyunched—some 400 in all.)  
WV Philippi \*91.3 10. NJ Avalon 94.3  
On Air and DX Ready! 3000 h,v; 300'

FL Melbourne WFIT \*91.5 10  
GA Statesboro WVG6 \*91.3 10  
IL Chicago WJIC \*88.1 10  
IL Eldorado WKSI 102.3 3000 h,v; 300'  
IA Boone KWBG-FM 98.3 3000 h,v; 208', m,  
ABC Information News; stereo "soon."  
IA Cedar Rapids KCCR ("Q-103") 102.9 \$ r,  
100000 h,v; 390'  
KS Pittsburg KMRJ 96.9 100000 h,v; 390' \$  
MA Dudley WNRK \*91.1 10  
MI Whitehall WLRQ 95.3 1500 h,v; 410'  
MS Newton WCOI 106.3 3000; 158'  
MO Clinton KDKD-FM 3000 h,v; 175'  
MO Dwinston KOEA 97.7 1000 h,v; 480'  
MT Lewisston KLCM-FM 95.9 3000 h,v; ~230'  
WV Morgantown WCLG-FM 100.1 3000 h,v; 90'

WY St. Bonaventure (Olean) WBSU \*86.3 10  
NC Asheville WBUM-FM \*91.3 440; 860'  
OH Kettering WKET \*89.5 10  
OH Toledo WAMF-FM \*88.3 10 [10 watts  
PA Lincoln University (Oxford) WLIU \*88.7/  
PA Shippensburg WSYC \*88.7 10 ABC Contemp.  
SC Mullins WCIG 107.1 3000 h,v; 235'  
TX Commerce KETR \*88.9 7100 h,v; 245'  
UT St. George KRDC-FM \*90.1 10  
UT Vernal KVEL-FM 92.7 1350 h,v; 430'  
VT Middlebury WCVN r 100.9 3000 h,v; ~146'  
VA Big Stone Gap WLSD-FM 93.5 165 h,v; 1080'  
WI La Crosse WLXR k 104.9 1350; 430'  
WI Minocqua WMMH 95.9 3000 h,v; 155'  
On Air with Changes (Selected)

CA San Diego KLRO 94.9 2150 h,v; 1760'  
IL Aurora WAUR 107.9 50000 h,v; 490'  
IN Indianapolis WFMS 95.5 45000 h,v; 520'  
IA Muscatine KFMH 99.7 h & v; 50000; 245'  
KS Salina KSKG 99.9 100000 h,v; 570'  
MA Pittsfield WORR 105.5 630 h,v; 590'  
MN St. Cloud WJ76AA 101.00000 h,v; 420' \$ k  
NY Binghamton WHRW \*90.5 1450; ~56'  
PA Norristown WVVE \*91.7 50 h,v; 13' NEW  
Change, not previously given. Not \*91.5  
SD Vermillion KUSD-FM \*89.7 50000 h,v, 21.5  
kmv; 520'; NY Buffalo WADY 106.5 29000h,v;  
now 350'.

**Deletions**  
CO Greeley 96.1 (New grant "rescinded")  
CT Kent WKSU \*90.9  
FL Jacksonville WYFL-FM \*89.1  
**Local City, Licensing Granted**  
IA Clinton 96.1 to add Fulton IL (KSAY)  
IA Waterloo 107.9 KFMW adds Cedar Rapids,  
changes from UPI Audio to Associated  
Press Audio. WCCO-FM 102.9 Minneapolis  
MN adds Saint Paul.

**Changes in Facilities Granted**  
AL Arab 92.7 2000 h,v; 360' 15 and 48 mi.  
AL Montgomery WKLH 92.3 25000 h,v; 760'  
CA Blythe KYOR-FM 100.3 278' (35000 h,v)+  
KYOR-FM is on the air!  
CA Sacramento KZAP 98.5 50000 h,v; 250'  
CA San Bernardino KOLA 99.9 adds v  
CA Stockton KJAX 99.3 2350 h,v; 330'  
CO Mancos K276AG 103.1 (from 106.3 K292AD)  
CT Williamant 98.3 3000 h,v; 300' 15 & 48  
FL Jacksonville WQIK-FM 99.1 100000h,v; 520'  
GA Columbus WCGO 107.3 100000 h, 37000 v,  
530'; 38 and 91 miles coverage area.  
HI Waipahu KULA 92.3 100000 h,v; 1630'  
IL Decatur WSDY-FM 102.9 adds V  
IL Normal WGLT from \*91.7 to \*89.1 2300  
h,v; 140' 10 & 40 miles (above)  
IN Indianapolis WFMS 95.5 45000h,v(see /  
IA Cedar Rapids KCCC-FM \*88.3 420'(10kw)  
MA Boston WEUR \*90.9 22500 h,v; 260'  
MA Newton WZBC \*90.3 1000; 220', over the  
objections of WTEV(TV, ch. 6) New Bedford  
(MA). MA Taunton WRLM 93.3 50000 h,v; 340'  
MA Tiboury WDOI-FM from 95.9 to 92.7  
279' (3000 h,v; 14 and 47 miles)  
MS Pascagoula WPEM 106.3 2200 h,v; 345'  
MS Winona WONA-FM 96.7 2500 h,v; 230'

MN Bemidji W224AB 92.7 (from 93.5,  
W228AD; translates KFNW-FM Fargo ND)  
MO Caruthersville KCRV-FM 103.1 195'  
(3000 h,v). MT Billings KBMS 98.5  
25500 h,v; 400' 27 & 70 miles.  
NY Rochester WEZO 101.3 27000 h,v; 640'  
ND Grand Forks KXKL-FM 92.9 210' (100kw)  
OH Columbus WNCI 97.9 185000 h, 110000  
v; 540' 42 & 101 mi. Music on SCA.  
NJ Princeton WPRB 103.3 not DA; rj music  
NH Plymouth WPNH-FM 100.1 1550 h,v; 380'  
TX El Paso KPFS 93.9 980' (100000 h,v)  
TX Tyler KRQZ from 99.3 to 92.1  
UT Ogden KQAB 101.1 100000 h,v; 700'  
WA Lynden KLYN-FM 106.5 100000h, 67.0  
kw v, 720'. To go \$?  
WI Wausau WHRM to move from \*91.9 to  
\*90.9, thus making way for a Mauston  
WI station to be created on 92.1.

**Call Letters Assigned or Changed**  
AL Jacksonville \*91.9 WLJS-FM  
AR Springdale 104.9 KCIZ (from KSPR-FM)  
CA Hanford 107.5 KRYS MS Jackson  
CA Susanville 92.7 KSUE-FM \*90.7 WJUS  
GA Sandersville 94.3 WSNF-FM  
IL Taylorsville 92.7 WEEE (WTFM-FM)  
IL Kankakee 99.9 WBYG (WKAK) now soft r  
LA Oak Grove 96.7 KDDI (KWCL-FM)  
LA Shreveport 96.5 KEPT (KBCL-FM)  
NE Ogallala 93.5 KIBH  
NY Buffalo 94.5 WBER-FM (WREZ)  
NY New York 97.1 WNRW (WNBC-FM expected  
to change by July 1, going all news  
with the WNBC network, probably dropping  
stereo). NY Olean 95.7 WEFB (was  
-WHDL-FM); same nor music format.  
OH Cincinnati 94.1 WSAI-FM (WJDJ)  
OK Broken Arrow 92.1 KGOW (KTBA)  
PA Charleroi 98.3 WRFM (WESA-FM)  
TN Memphis 104.5 WJOD (WJLD) WY Cody  
TX Graham 107.1 KWKQ [90.1 KYOZ  
WA Pullman 104.9 KQOQ (KPUL-FM)  
SCA (57 kHz)

FL Clearwater WQXN 97.9 music  
FL Tampa WFLA-FM 93.3 delete SCA  
WAVV 104.7 Muzak  
MO Columbia KBIA \*91.3 Talking Book  
MO Baltimore WBJC \*91.5 SCA added  
NE Grand Island KROA 95.7 Farm  
NE Omaha KIOS \*91.5 Talking Book  
KGBI 100.7-Farm  
OH Athens WQUB \*91.3 Inactive (drop)  
OH Circleville WNRK 107.1 telemetry  
OH Cleveland WZAK 93.1 music  
OH Columbus WOSU-FM \*89.7 talk  
WNCI 97.9 music  
OH Marion WMRN-FM 106.9 music (telemtr)  
OH Newark WNKD 101.7 drop listing/  
OH Portsmouth WPAV-FM 104.1 music  
OH Toledo WLOT 104.7 Physician's Radio  
Network; OH Wooster WWST-FM 104.5  
music. [No Stereo  
WI Two Rivers WQTC-FM 102.3 music; /  
WI Stout City KBGM 95.5 Farm

WNAP 93.1 Indianapolis will be seeking to move to Indy's tallest building, the Indiana National Bank Building, at about 500'. WCLR 101.9 Skokie-Chicago's SCA is not on very often but on April 6, the station carried items concerning a Mormon Church conference.

More format news: WEMD-FM 96.7 Easton MD is m; WHDG 103.7 Havre de Grace MD is gk. WJLK-FM 94.3 Asbury Park NJ now rock. WSUS 102.3 Franklin NJ supposedly now all country; WDWL-FM 92.1 Vineland NJ soul; WHUC-FM 93.5 Hudson NY rock, as is WKAL-FM 95.9 Rome NY. WIGS-FM 92.7 Gouverneur NY k; WDCG 105.1 Durham NC k; WRQK 98.7 Greensboro NC k; WZPR 100.3 Meadville PA m; WVAF 99.9 Charleston WV rock, "it does very well covering Charleston and Huntington." WKLP-FM 94.1 Keyser WV is k, apparently not \$tereo. WSME-FM 92.1 Sanford ME is, rock, \$. Visitors are welcome any time at WGTB \*90.1, r, Washington DC, where Andy Smith now works; and they answer the phone 24 hours a day: 202-625-4237. WKKM 92.1 Harrison MI, new on the air, is country music and not stereo.

The SCA for KCRC-FM 96.9 Enid OK is Muzak. KFNB 101.9 now operating in Oklahoma City with v. WQUE 93.3 New Orleans has abandoned beautiful music for rock. KVFG \*91.5 Thibodaux LA has cut back hours to 4 pm-midnight after trouble with students who ran it from 7 am-midnight.

KXEL-FM 105.7 Waterloo back on the air, but apparently with a shorter tower and a signal worse than before they lost the top part of their tower in a recent storm. KRWS \*91.7 Pipestone MN still off the air. WWJO 98.1 St. Cloud MN says their tower is 4 miles east of Rice MN (north of St. Cloud), and their studio-transmitter link has only eight watts! KMRE 95.3 Dumas TX now m; may be \$; KLRP 104.9 Emporia KS now rock; both may have converted to \$. Check on it, please!

WDUQ \*90.5 Pittsburgh PA now back on the air with its full power of 25000 h,v; 476', after being on reduced power with antenna damage for seven months.

KWST 105.9 Los Angeles now progressive rock, calling self "K-West." KLVE ("K-Love")107.5 Los Angeles now light rock and pop (rm), XHIS 90.3 Tijuana now soul music ("FM-90"), while XHERS 104.5 Tijuana is Spanish-Latin music. KDJW-FM 94.1 Amarillo TX now country music. KSAQ 100.3 San Antonio now rock.

The new KBHL 95.3 Lincoln NE is \$ and 100% religious. KMEZ 96.5 Grand Island NE not on yet. On in \$: WXEN 106.5 Cleveland and WKSU \*89.7 Kent, both OH. WDMT 107.9 Cleveland now upbeat popular with live announcers. WWWM 105.7 Cleveland now progressive rock, dropping NBC. A list of affiliates of the National Black Network was sent by Mike Collins, and includes such stations as WEDR 99.1 Miami, WENN-FM 107.7 Birmingham (having dropped Mutual's Black Net.), WAMO-FM 105.9 Pittsburgh PA, WTLC 105.7 Indianapolis, WVKO-FM 94.7 Columbus OH, WDAO 107.7 Dayton (apparently also keeping their affiliation with ABC Contemporary), WWWZ 93.5 Summerville (Charleston) SC, WEAS-FM 93.1 Savannah GA, WOKN 102.3 Goldsboro NC, WBAD 94.3 Leland (Greenville) MS, WVNS 95.9 Tuskegee AL, WIPE 94.3 Americus GA, and WWWS 107.1 in Saginaw MI. With WHAS-FM 97.5 Louisville KY about to drop classical in favor of all news and the new NN network, it leaves only the two library stations WFPK and WFPL for this sort of programming, but the stereo will be lost, as neither of the others has \$. KHKE Cedar Falls IA is announcing in its program guide that it will soon move from 88.1 to \*89.5 with 8000 h,v; 410' and add Stereo! Their transmitter is near Washburn IA. KHKE is the lower-powered sister to KUNI \*90.9. WHOM-FM 92.3 New York now rock, \$ (English) from 1 or 2 am until noon!

Late news is that WQIV 104.3 New York may revert to the classical format that 104.3 there had as WNCN. Present owners tired of fighting the former WNCN audience, plan to sell to a buyer that will again offer 24 hours-per-day stereo classics. Personally, I'm surprised WQIV ever made it on the air with their rock format in view of the almost overwhelming opposition to the switch.

WNSD \*88.9 Notre Dame IN rock after midnights until about 0400. American Motors' car FM radios have a local-distant switch that adds about 25 miles to higher-powered stations (booster?), but there's a cross-mod problem in Chicago with WLAK over the low end of the dial. An outfit has applied for E. Gary IN with 21300 watts at about 700'; that would be a monster [and might interfere with WMBI-FM]. WBFO \*88.7 stymied for higher power by channel 6 stations (originally CBLT in Toronto, now probably CKGN-6 Paris, Ont.); WBFO is Buffalo's public radio station; may go DA. WHRS \*91.7 Boynton Beach FL hopes for 36000 w (rather than 3kw) to better serve Latin groups.

WQSU \*88.9 Selinsgrove PA now getting out well with its new transmitter; mostly rock.

CONTRIBUTORS THIS ISSUE: Robert Baker, Humboldt IA; Ed Barboni, Norristown PA; Waldo Bishop, Tallahassee FL; E. Scott Bryce, KVCB (FM) St. Cloud MN; Dick Clark, Pittsburgh PA; Mike Collins, Hartford CT; Tom Cornell, Kokomo IN; John Czarnowski, Staten Island NY; Wm. Dickerman, Williamsport PA; Mike Dornier, Metairie LA; John Ebeling, Bloomington MN; Al Ellis, Brantford, Ont.; George Diller, WFAN-FM Clearwater FL; Pat Dyer, San Antonio TX; Bill Falt, Cleveland OH; Ted Fleischer, Louisville KY; Paul L. Gaines, Detroit MI; Glenn Hauser, Enid OK; James Hughes, Mt. Pleasant MI; David Kurman, WPRB Princeton NJ; Mark S. Lucas, Lancaster OH; Paul Petosky, Munising MI; Marv Robbins, Omaha NE; Ken Simon, Ft. Lauderdale FL; Andy Smith, Hyattsville MD; Terry A. Stripsky, KQRS-FM Golden Valley MN; Bill Thompson, Buffalo; R.W. Winsor, Valparaiso IN; S. Wiseblood, Santa Maria CA.

FCC-FM

June, 1975

Formats, Networks, Etc.

CA San Francisco KNBR-FM 99.7 to NN no \$?  
 [NN is NBC's new National News service for  
 fulltime all-news and all-talk sta-  
 tions; also to affiliate with WWS (for-  
 mer WBCC-FM) 97.1 New York and WHAS-FM  
 97.5 Louisville KY, WHAS-FM dropping  
 classical, and probably \$, going 24 hrs.]  
 DC Washington 93.9 WKYS rock, \$; still N?  
 IL Arlington Heights WMMH 92.7 jazz  
 IC Chicago WHPK \*88.3 rj; WJAI 101.1 to  
 NN, probably dropping \$  
 IL Downers Grove WDCG \*88.3 m  
 IN Lafayette WXUS 92.7 m; NBC for ABC-FM  
 IN Monticello WTVL 95.3 ABC-FM  
 ME Portland WDCS 97.9 Dobby 500' (50 kw h,  
 v; gc). PA Jenkintown WJBF-FM 103.9 to  
 ABC-ENTERTAINMENT; v; mono.  
 MO St. Louis KKSS 107.7 soul, \$  
 NC Chapel Hill WUNC 91.5 to go \$; cj [soon  
 MO Clayton KFUD-FM 99.1 all classical; \$/  
 GA Gainesville WQUN-FM 106.7 \$ to m-o-r.  
 LA New Orleans 98.5 WYLD-FM on air with  
 soul music; replaces WIXO. (CALLS, too.)  
 SD Sioux Falls KIOV 104.7 \$, country  
 UT Orangeville K221AH 92.1 \$ K New FM  
 translator granted to relay KSOP-FM  
 104.3 Salt Lake City UT.  
 Stereo Added (Cont. from Column 7)  
 TX Nacogdoches K3FA-FM 92.1, r  
 VT Putney WVUS \*88.9, r  
 VA Lynchburg WKOL 98.3  
 WA Clarkston KCLK-FM 94.1, k WA Amherst  
 WA Sunnyside KREW-FM 96.7, m WAMH \*89.3  
 WV Clarksburg WPDZ-FM 104.9

Stereo Added, or to Go Stereo:

CA Santa Barbara KCSB \*91.5; also has  
 occasional morning ABC-FM newscasts  
 CO Greeley KUNC \*91.5  
 IL Carlinville WIBI \*91.1  
 IL Flossmoor WHFH \*88.5, rock  
 KS Salina KYEZ 93.7  
 MI Greenville WPLB-FM 107.3 m  
 MN Thief River Falls KAVS \*89.5  
 NE Grand Island KMEZ 96.5  
 NC Hendersonville WKTT 102.5 k, ABC-FM  
 OH Cleveland WXEN 106.5  
 OH Wilberforce WCSU-FM \*88.9  
 LA Golden Meadow KLEB-FM 94.3 resumes \$  
 OH E. Liverpool WELA 104.3, m TN Murfrees-  
 borough WMTS-  
 AR Berryville KAAM 107.1 km FM 96.3, m  
 GA Rosville WQWF 105.5 gk  
 GA Tifton WCLP-FM 100.3 m  
 Valdosta GA WAFB 101.1 [WREG-FM's format?  
 IL Harrisburg WBEQ-FM 99.9. Anybody know/  
 KY Barbourville WYNY-FM 93.5, r  
 KY Corbin WCTT-FM 107.1 v, mk  
 KY Paducah WPAD-FM 96.9, m  
 ME Lincoln WLNK-FM 99.3  
 MI Adrian WABJ-FM 95.3  
 MI Three Rivers WLMK-FM 95.9, m  
 MS Aberdeen WHAY 105.5  
 MS Waynesboro WABO-FM 105.5  
 MO Lebanon KJEL-FM 103.7  
 MT Billings KOYN-FM 93.3  
 NE Nebraska City KNCY-FM 97.7, m  
 NH Portsmouth WHEB-FM 100.3  
 NC Buie's Creek WCEC \*90.1, m  
 NC Moyock WJLY 92.1, rock

Note: Most of the preceding information

on stereo gathered from the 1975 Broad-  
 casting Yearbook, and may be erroneous.  
 I have also checked through BY75 for  
 FM program format and network changes,  
 and have questions on some stations  
 which maybe some of you can clear up.  
**FM Format "Mysteries" HCLP!**  
 AL Mobile WKRG-FM 99.9 listed as rock  
 CA Fresno KARM-FM 101.9 " " all-  
 news; have they dropped \$, too?  
 CA Gilroy KFAT 94.3 k, with some L,  
 Spanish music, now?  
 IL Flora WDOI 103.9 mg or k?   
 MD Annapolis WNAV-FM 99.1 Stereo?   
 MN Red Wing KCOE-FM 105.5 Stereo?   
 NY Poughkeepsie WSPK 104.7 now  
 adult rock, or still mc?   
 OK Pryor KKMA 104.5 m or g?   
 RI Providence WPRO-FM 92.3 m or r?   
 SC Columbia WCCO-FM 97.9 k or r?   
 RI Woonsocket WMOB-FM 106.3 mor?   
 Format abbreviations, of course, are  
 the same as in the FM Atlas: c=classical;  
 m=middle of the road ["schmaltz"];  
 r=rock; k=country; g= gospel; L=  
 Latin American music (rancheros, etc.).  
 Temple TX 104.9 in Atlas is **KYLE**  
 (correct error). ND Minot 93.7 is  
 KMOT-FM, not KMOT-FM.  
 Apparently resuming stereo is KBIM-FM  
 Roswell NM 94.9. KLBK-FM 93.7 Lubbock  
 TX still listed as \$, but believed not  
 to be using stereo. KSIX-FM 93.9 in  
 Corpus Christi seemingly quit \$, too.

Members' Reports and FM News

WDSD 94.7 Dover DE now k; WWDB 96.5 Philadelphia to all talk, dropping \$, except for a very few weekly musical shows; WMMR 93.3 Philadelphia adds Dolby transmitting equipment. From the Dolby Labs I have received a current list of nearly 100 stations so equipped, and have keypunched these data to my FM deck. Not heard in 2 years: WRHS \*88.1 Park Forest IL; deleted? WKOC \*88.3 Kankakee IL seems to be inactive, too.

Two Michigan DXers sent information about a plane crashing into a guy wire for the new WJGS 98.5 Houghton Lake MI tower, but the original story from the news service had WJGS' call letters wrong. WJIM-TV channel 6 Lansing MI is running slides saying: "Ann Arbor viewers! If your channel 6 TV reception is affected call 761-4300 or write WCBN-FM Ann Arbor MI. WCBN is temporarily operating with 10 watts on \*88.3, instead of \*89.5. If no interference is shown by this operation, WCBN will shift permanently, permitting WEMU Ypsilanti to change frequencies and increase power. One person, incidentally, was killed in the plane-contacting-tower-wire mishap.

WRCT \*88.3 Pittsburgh PA is rock; WGMW 94.3 Riviera Beach FL is \$, m; WJNO-FM 97.9 in Palm Beach FL now rock, \$. Broadcasting Yearbook still has some major errors: Long-deleted WRTM 102.3 Blountstown FL and WPBA 107.1 Palm Bay FL are listed; WVUS (FM) \*88.9 Putney VT as 37.3 kw, instead of 10 watts (or unofficially, 37.3 watts).

Off the air: WRPM-FM 107.9 Poplarville MS; storm took their tower. Mike DORNER's newest FM progress report is due out in June. "Featured are details on the recessionary <sup>Send</sup> impact on FM growth and a study of FM translators, as well as FM growth in the <sup>him</sup> **40¢** Rockies and southwest." Order from him at 1409 Hymelia Ave., Metairie LA 70003. <sup>Cheap!</sup>

WPAP 92.5 Panama City FL boasts they have the tallest antenna in FL, blanketing the lower west coast of FL, with a local-like signal in Sarasota. Station KQRS-FM 92.5 Golden Valley MN announces plans to broadcast occasional "test patterns" of audio tones for DXers and stereo lis-teners, with sequences announced. These will be conducted early Monday mornings at 3 to 6 month intervals. I will try to obtain an advance list of dates and times and will pass these on.

WDHS Gaston IN heard on 91.1, they frequency for which they have applied, but the FCC says WDHS is still only permitted to be on 90.9. WMHE 92.5 Toledo now rock: "Rock has arrived." WCMX 101.7 Fort Wayne has ABC on its SCA. WJAI 92.9 Eaton OH may be \$, but we're not sure.

# TV RECEIVERS OF THE FUTURE

## PART II

by Morrie Goldman

In the March VUD, we left off by saying that future TV receivers should be delivering higher selectivity because of changes in I-F stage design. As you will recall, the I-F stages supply most receiver selectivity. We are about to enter the same sort of design revolution that brought crystal, ceramic, and L-C filters into wide use in FM receiver I-F stages. This time, it's TV receivers, and the I-F filters will be of the L-C and surface wave types.

The first commercial television set to employ an I-F filter as a discrete I-F transformer replacement was the Heath GR-2000. The GR-2000 uses a high Q L-C filter, providing higher adjacent channel rejection than did earlier conventional Heath sets. A comparison of the I-F response curves of two television receivers is shown in Figures 1A and 1B. Both receivers use identical tuners, but the receiver checked in Figure 1A uses a conventional I-F system while Figure 1B is the I-F response of a receiver using an L-C (and IC) I-F system. Note that the troublesome adjacent channel sound frequency is much more suppressed in Figure 1B. The overall response is also much smoother, with very high ultimate adjacent channel rejection. Another advantage of the L-C filter (as with other filters) is that realignment is never needed.

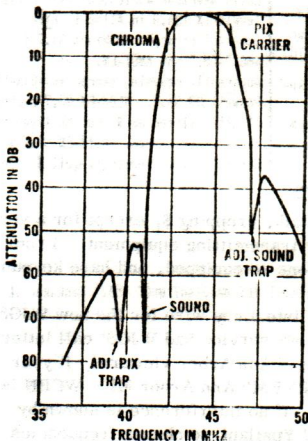


FIGURE 1A IF Selectivity of a Modern High Quality Color Television Receiver

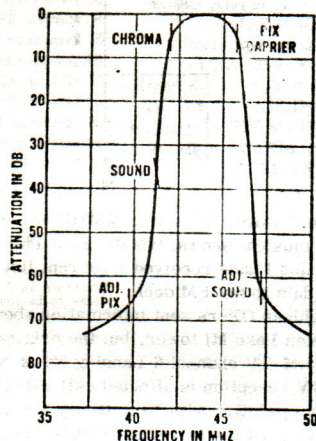


FIGURE 1B IF Selectivity of a Receiver Using Bandpass Filter IF System

An L-C filter, such as the one used in the GR-2000, can be combined with a high gain integrated circuit to make up a very simple I-F system. Figure 2 shows such a circuit.  $Q_1$  provides I-F signal preamplification before entering the lossy L-C filter. The filter provides selectivity and bandpass shaping, while  $IC_1$  greatly amplifies the I-F signal.  $T_1$  is a broadly tuned coil, intended to attenuate spurious signals generated in  $IC_1$  and to provide matching.

It is worth noting that while the I-F strip of the GR-2000 is excellent, the preset channel-position varactor diode tuner is not well suited for DXing. The Heath GR-500 and GR-400 receivers use the same I-F system, but with more conventional tuners. In fact the VHF tuner used in these two sets is said to be of very high performance.

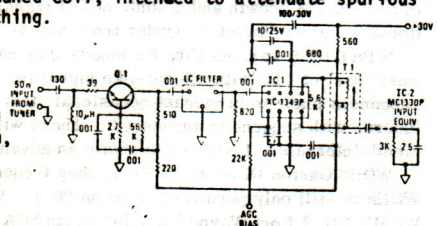


FIGURE 2 Schematic Diagram of IF Amplifier Showing Attenuation of Spurious Signals



While new models from other manufacturers are still using discrete I-F strips, those manufacturers aren't "letting the world pass by." Most are foreseeing the use of (now) low cost "surface wave filters" (or abbreviated, SAW filters) in the very near future. The operation of a surface wave filter is not easily visualized, but very basically, the filtering involves the piezoelectric conversion of the electromagnetic I-F signal to ultrasonic waves, and reconversion to electromagnetic waves. The filter operates on the ultrasonic waves. A simplified diagram of a SAW filter is shown in Figure 3. A piezoelectric material is used as the base (most common is lithium niobate). The Transmitter and Receiver transducers of the filter are deposited thin film aluminum. It is the design of the transmitter and receiver transducers that determines the filter's selectivity. Their designs form "interdigital combs" which shape the acoustic waves.

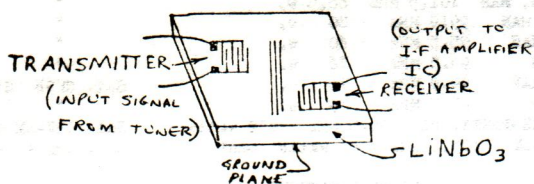


Figure 3. Simplified view of SAW filter for TV I-F use.

Lithium niobate I-F filters for TV receivers are now creating a great deal of excitement among TV receiver manufacturers. The main reason for the excitement is the anticipated cost savings. According to Crystal Technology Inc., they will soon be selling production quantities of TV SAW filters at a cost of less than \$2 each! This component cost savings coupled with the reduced labor costs (alignment not required) will add up to a substantial cost savings. Size is also a significant factor. While the Heath L-C filter measures about 5" long, the SAW filter could be about 1" long! At this time, SAW filters do not appear to provide superior selectivity to L-c filters, but are improvements over most conventional I-F stages.

Introduction of television receivers using SAW filters could come as early as mid 1976 and even earlier in Europe. Zenith and Sylvania have done extensive testing of TV SAW filters, and it is likely that they may be among the first manufacturers to introduce the new device.

If you're planning to buy a TV set in the next few months (and plan to use it for DXing), look only at sets having at least three IF stages. Also look for defeatable AFC, and a tuning system that allows you to freely and accurately tune all 82 channels. If you're visiting a dealers showroom, try out as many different sets as possible. Flip by the open channels to check for best selectivity and sensitivity. Three brands that have proved popular with DXers are Zenith, RCA, and Sharp.

In conclusion, for the first time in many years, we should soon be seeing TV receivers with improved selectivity. At the same time, receiver noise figure and gain (sensitivity), and overload immunity, will continue to improve. A greater use of varactor diode tuners and digital readout will also be appearing.

**TV APPROVALS**

KITCHENER, ONT CBLFT-1 ch. 76 Auths: 133 kw. Prop: 192 kw. Sat. CBLFT Toronto  
 LONDON, ONT CBLFT-2 ch. 40 Auths: 11.8 kw. Prop: 26.5 kw. Sat. " Kitchener  
 CHATHAM, ONT CBLFT-3 ch. 48 Auths: 13.7 kw. Prop: 15.2 kw. new site Sat. London  
 WINDSOR, ONT CBFT ch. 78 Auths: 133 kw. Prop: 85.4 kw. new site Sat. Chatham  
 SUDBURY, ONT NEW CH. 19 62 kw. Sat. CIGA-TV Toronto ch. 19 (OCCA)  
 FLIN FLON, MAN NEW ch. 3 134 watts erp Sat. CBWFT Winnipeg ch. 3 (CBC FR)  
 THE PAS, MAN NEW ch. 6 134 watts Sat. " " "  
 CHARLOTTETOWN, PEI CBCT ch. 13 Pres: 62 kw. Prop: 178 kw.

**FM APPROVALS**

NORTH BAY, ONT NEW 96.1 MHz 100 kw. omni Sat. CBL-AM Toronto (CBC-ENG AM)  
 NORTH BAY, ONT NEW 95.1 MHz 100 kw. omni Sat. CJBC Toronto (CBC-FR AM)  
 EASTERVILLE, MAN 95.5 MHz 40.5 watts Sat. CBW-AM Winnipeg (CBC-ENG AM)  
 GRAND RAPIDS, MAN 101.5 MHz 68.5 w. " " "  
 MOOSE LAKE, MAN 99.9 MHz 80 w. " " "  
 SNOW LAKE, MAN 95.5 MHz 60 w. " " "  
 THE PAS, MAN 94.5 MHz 76 w. " " "  
 FLIN FLON, MAN 99.9 MHz 76 w. Sat. CKSB St. Boniface (CBC\*FR AM)  
 THE PAS, MAN 95.7 MHz 79 w. " " "  
 ST. FABIEN-DE-PANET, PQ 96.5 MHz 832 watts Sat. CBV-AM Quebec (CBC-FR AM)  
 LA RONGE, SASK 105.1 MHz 80 watts omni Sat. CBK-AM Regina (CBC-ENG AM)

**TV APPLICATIONS**

VANCOUVER, BC for 3rd English service... ch. 26 102 kw. dir -by CITY-TV of Toronto;  
 ch. 10 46 kw. dir; ch. 10 83 kw. dir; ch. 10 285 kw. omni or ch. 26 675 kw. omni  
 FORT ALBERNI, BC ch. 3 NEW 550 watts dir Community access (Eng lang)  
 WINNIPEG, MAN CKND-TV ch. 9 Auths: 164 kw. Prop: 222.5 kw. new site  
 REGINA, SASK new ch. 13 126 kw. dir. (CBC FR)  
 ROSEMARY, ALTA ch. 11 25.3 kw. dir. Sat. CBRT Calgary  
 CAMPBELLTON, NB ch. 4 32.5 kw. dir. Sat. CHSJ-TV St. John ???  
 NEWCASTLE-CHATHAM, NB ch. 6 11 kw. dir. Sat. CHSJ-TV St. John ???  
 TROIS RIVIERES, PQ ch. 8 5.12 kw. dir. French language  
 SHERRIDON, MAN ch. 7 1,377 kw. Sat. CBWT Winnipeg ch. 6  
 BEAUVAIL, SASK ch. 7 .469 kw. Sat. CBKST Saskatoon ch. 11  
 ILE A LA CROSSE, SASK ch. 9 .105 kw. Sat. " " "  
 BUFFALO NARROWS, SASK ch. 11 .321 kw. Sat. " " "  
 LECVILLE, SASK ch. 12 39.2 kw. Sat. " " "  
 LA LOCHE, SASK ch. 13 .18 kw. Sat. " " "  
 BEARN/FABRE, PQ ch. 9 .187 kw. dir. Sat. CKRN-TV Rouyn  
 JOUTEL, PQ ch. 12 .143 kw. dir. Sat. CJDG-TV Lithium Mines

**FM APPLICATIONS**

CALGARY, ALTA CHEM-FM Pres: 11 kw. omni Prop: 74 kw. h/v dir.  
 SUDBURY, ONT NEW 97.1 MHz 50 kw. Sat. CBC ENG AM  
 SUDBURY, ONT NEW 98.1 MHz 50 kw. Sat. CBC FR AM  
 CORNWALL, ONT NEW 95.5 MHz 3 kw. Sat. CBC-AM Ottawa (CBC ENG AM)  
 CORNWALL, ONT NEW 98.1 MHz 3 kw. Sat. CBCOF-AM Ottawa (CBC FR AM)  
 KINGSTON, ONT NEW 107.5 MHz 100 kw. Sat. CBC ENG AM  
 CAPE DORSET & IGLOOLIK, NWT both for 105.1 MHz 76 w. Sat. CBC ENG & Native Lang. via satell.  
 FANGNIRTUNG, ESKIMO PT., POND INLET, RESOLUTE, NWT -all for 105.1 MHz, 92 watts  
 All to be Sat. of CBC ENG AM & new Native Language Northern Service via satellite  
 OTTAWA, ONT NEW 95.1 MHz 4.1 kw. Carleton Univ.  
 WINNIPEG, MAN NEW 101.5 MHz 3.8 kw. omni U. of Manitoba  
 SEPT-ILES, PQ NEW 98.1 MHz 96.75 kw. Sat. CBGA-AM Matane (CBC FR AM)  
 FT. GEORGE, FT. RUPERT, NOUVEAU COMPTOIR, PQ all for 105.1 MHz, 55 w. (CBC ENG & NLNS)  
 plus same locations - all for 103.5 MHz, 55 w. (CBC FR AM & NLNS via ANIK satellite)  
 MAIKOVIK, LAB, NFLD NEW 99.5 MHz 30 w. Eng. & Inuit  
 BUFFALO NARROWS, SASK 103.5 MHz, 406 w. LA LOCHE 95.5 MHz, 81.7 w.;  
 BEAUVAIL 101.5 MHz 1.95 kw.; ILE A LA CROSSE 105.1 MHz 403 w. all Sat. CBK Regina  
 good dx to all... 73s Mark & Joel

# CTV STATIONS in Newfoundland

"DJ THE DJ"

DAVID J. EGAN

12a Andrew

Valleyfield, QB, J6S 3B2

As of September 1, 1974 the official call assignments for the Television Stations of the Newfoundland Broadcasting Company are as follows:

<u>CALL</u>	<u>LOCATION</u>	<u>CHANNEL</u>	<u>(watts)</u> <u>POWER</u>
CJON - TV	St. John's	6	62000
CJON - TV 1	Bonavista	10	250
CJON - TV 2	Cape Broyle	13	5
CJON - TV 3	Trepassey	10	5
CJON - TV 4	Signal Hill	10	5
CJON - TV 5	South Side Hill	2	5
CJON - TV 6	Clarenville	10	5
CJOX - TV	Argentia	3	6700
CJOX - TV 1	Grand Bank	2	7400
CJOX - TV 2	Lawn	10	5
CJOX - TV 3	St. Lawrence	10	5
CJOX - TV 4	Marystown	11	400
CJOX - TV 5	Terrenceville	10	5
CJOX - TV 6	Ramea	10	5
CJCN - TV	Grand Falls	4	26000
CJCN - TV 1	St. Albans	13	5
CJWN - TV	Corner Brook	10	410
CJWN - TV 1	Stephenville	4	800
CJWN - TV 2	Red Rocks	11	400
CJWN - TV 3	Deer Lake	7	5
CJWN - TV 4	Port Aux Basques	7	5
CJWN - TV 5	Pasadena	8	5
CJWN - TV 6	Irishtown	3	5

This list was sent to me along with a QSL card for reception of CJOX-TV 1 (ch. 2 Grand Bank) by Operations Manager JOHN TRESEER. All the stations and satellites above are affiliated with CTV.

# STATISTICS

JUNE  
1975

More UHF  
Records  
To Come

Editor:  
Glenn Hauser  
1312 West Oak  
Enid OK 73701

Call Location Miles Dier, Location Translator Primary/Logos

## CHANNEL 53 TV DX RECORDS

KBID-	CA Fresno	150	Robert Cooper, Lafayette CA
KAIL-	CA Fresno	125	Randy Miltier, Campbell CA
WATR-	CT Waterbury	310	Art Collins, Buffalo NY
		tie	Richard Nieman, Buffalo NY
WEDN-	CT Norwich	370	Robert Seybold, Dunkirk NY
WKGB	KY Bowling Green	700	Glenn Hauser, Franklin TX 77856
W53AA	NY New York	165	Tom Yingling, Dundalk MD
WPGH	PA Pittsburgh	430	Don Ruland, Kenosha WI
WVNT	VA Goldvein	650	Bill Draeb, Kewaunee WI

WPGH-TV  
**53**

WCBS-2

**53**  
WPGH-TV

## CHANNEL 54 TV DX RECORDS

KTEH-	CA San José	185	Jim Pizzi, Orcutt CA
WCVN	KY Covington	410	Mark Lewis, Downsview ON
		tie	Joel Rosenberg, Downsview ON
WTOM	MI Lansing	285	Art Collins, Buffalo NY
WMKG	MI Muskegon	155	Bruce Metzner, Madison WI
WQLN	PA Erie	405	Bill Draeb, Kewaunee WI

## CHANNEL 55 TV DX RECORDS

WHYN-	MA Springfield	340	Robert Seybold, Dunkirk NY
K55AF	NE Cozad	380	Robert Cooper, Arcadia OK
WHP-	PA Harrisburg	205	King Schafer, Kenmore NY
		tie	Art Collins, Buffalo NY
		tie	Richard & David Nieman, Buffalo NY
K55AE	TX Perryton	200	Robert Cooper, Arcadia OK
K55AA	TX San Angelo	185	Glenn Hauser, Von Ormy TX

KFDA **10**

KGIN-11

KFDA-10  
KTXS-12

## CHANNEL 56 TV DX RECORDS

WKBG-	MA Boston	420	Mark Lewis, Downsview ON
WTVS	MI Detroit	900	Robert Cooper, Oklahoma City OK
KPBC-	WA Lakewood Center	120	Mike Northam, Beaverton OR
W56AB	WI Darlington	115	Don Ruland, Kenosha WI

**56**

WKBG TV

WMTV-15

## CHANNEL 57 TV DX RECORDS

WKYH-	KY Hazard	545	Bill Draeb, Kewaunee WI
WGBY-	MA Springfield	340	Robert Seybold, Dunkirk NY
WKNX-	MI Saginaw	450	Don Voegelé, Lancaster PA
WBGU	OH Bowling Green	800	Robert Cooper, Arcadia OK
W57AB	NY New York	180	Gordon Nelson, Watertown MA
K57AC	TX Perryton	200	Robert Cooper, Arcadia OK
WCVW	VA Richmond	350	Robert Seybold, Dunkirk NY

**WNBC TV 4**

WNEC-4  
KGNC-4

## CHANNEL 58 TV DX RECORDS

KLCS	CA Los Angeles	135	Jim Pizzi, Orcutt CA
WNJB	NJ New Brunswick	285	Robert Seybold, Dunkirk NY
WUNG-	NC Concord	345	Tom Yingling, Dundalk MD
K58AC	OK Guyton	240	Robert Cooper, Arcadia OK

## CHANNEL 59 TV DX RECORDS

K59AC	CA González	125	Jim Pizzi, Orcutt CA
WTVU	CT New Haven	235	Tom Yingling, Dundalk MD
WFAM-	IN Lafayette	410	Robert Seybold, Dunkirk NY
WBES-	NY Buffalo	5	Nora Erint, Kenmore NY
K59AD	TX Perryton	200	Robert Cooper, Arcadia OK

KTEH-54

KVII-7

## CHANNEL 60 TV DX RECORDS

WLXT	IL Aurora	455	Robert Seybold, Dunkirk NY
WKAR-	MI East Lansing	255	Robert Seybold, Dunkirk NY
K60AG	OK Guyton	240	Robert Cooper, Arcadia OK

**2 screens  
shows every  
30 minutes**

# EASTERN TVDX

Bill Thompson  
1907 Seneca Street  
Buffalo, NY 14210

June 1975

Deadline: 10th

As of mid-May, the E-skip season seems to be off to a good start. It's May 16th as this is being prepared, and the editor is noting a third day of very heavy Es activity. It's hard to make meaningful predictions about E-skip, but it looks like a great season is upon us! With the usual exception of Florida, practically no tropo of any significance has been reported for April or early May.

February E-skip dates:	7	17	19	March:	13	24	29	April:	21
number of reporters	1	1	2		1	1	1		1
MUF to at least:	ch3	5	4		3	4	3		4

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

"This is my first report...I am 14 years old and I have been a member since March. My antenna system is a 19 element (home brew) log periodic for UHF/VHF, a 15 meter beam (home brew) for 15 meter ham band, and a 5 element yagi (home brew) for 2 meters and FM DXing. All of my antennas are up 40 feet above the ground. In the future I plan to get a UHF/VHF pre-amp, a Channel Master 7' dish, and a 100' tower to clear the 90' pine trees in my back yard...I have a 15 inch B/W GB TV receiver for TV DXing, a Realistic Pro-77 VHF scanner for for 2 meter DXing, and a Realistic STA-46 receiver for FM DXing." (Txn for your report Bill, and welcome! -bt)

March

24 Tr 0520 WPVI-6 Philadelphia (130)  
0525 KYW-3 Philadelphia (130)  
1733 WBWT-12 Richmond VA (111)  
25 0520 WPVI-6 Philadelphia (130)  
0522 KYW-3 Philadelphia (130)  
0555 WCBS-2 New York NY (250)  
0609 WABC-7 New York NY (250)  
0630 WCAU-10 Philadelphia (130)  
0640 WBWT-12 Richmond VA (111)

April

1 Tr 2301 WCPB-28 Salisbury MD (85)  
2107 WCPB-28 Salisbury MD (85)  
2129 WBCC-16 Salisbury MD (85)  
2206 WTAF-29 Philadelphia (130)  
2257 WKBS-48 Philadelphia (130)  
2259 WJJS-23 Camden NJ (135)  
2318 WPHL-17 Philadelphia (130)  
2324 WHYY-12 Wilmington DE (105)  
19 0539 WTAR-3 Norfolk VA (170)

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

"April was a fairly dull month...the 30th was the best day."

April

1 Tr 0900 WTAF-29 Philadelphia 3344R  
2 2000 "Philadelphia UHF 17,29"  
2030 WNJS-23 Camden NJ 3444R  
10 2000 "Philadelphia UHF 17,29"  
WNJS-23 Camden NJ 3555R  
WBRE-28 WilkesBarre 2222R  
WNJT-52 Trenton NJ 2444R  
17 2100 WNJB-58 NewBrunswick 4555R  
WNJT-52 Trenton NJ 3555R  
WTAF-29 Philadelphia 2434R  
2130 WPHL-17 Philadelphia 3444R  
WNJS-23 Camden NJ 2123R  
21 Es 2130 (unID) 2 "under WCBS"

22 Tr 2215 "Philadelphia UHF 17,29"  
WNJS-23 Camden NJ 3344R  
24 1700 WNJT-52 Trenton NJ 3433R  
2100 "Philadelphia UHF 17,29"  
30 1500 "Philadelphia UHF 17,29"  
WNJT-52 Trenton NJ 3444R  
1900 WCPB-28 Salisbury MD 3333R  
WNJS-23 Camden NJ 2333R  
WCMC-40 Wildwood NJ 3033R  
WNJT-52 Trenton NJ 3555R  
1930 WPHL-17 Philadelphia 4555R  
WTAF-29 Philadelphia 4555R  
2000 WBCC-16 Salisbury MD 3544R  
WNJS-23 Camden NJ 5555R

Wayne Fitzgerald 718 Leesville Road Lynchburg, Virginia 24502

"Another nothing month here. Some weak tropo from North Carolina on 4-11 and another on 4-19 that included some West Virginia."

Greg Kelley 181 Hurst Avenue NE Roanoke, Virginia 24012 (EDT)

March

24 Tr 2200 WTAR-3 Norfolk VA  
2202 WBWT-12 Richmond VA  
2205 WTVR-6 Richmond VA

May

5 Tr 0830 WTVR-6 Richmond VA  
0832 WBWT-12 Richmond VA  
0835 WCVB-23 Richmond VA  
0840 WTVR-6 Richmond VA  
0840 WTVR-11 Durham NC  
6 0855 WCCB-18 Charlotte NC  
0913 WUNL-26 Winston-Salem NC  
0918 WRAL-5 Raleigh NC

April

27 Tr 2230 WBTV-3 Charlotte NC  
28 2100 WTVR-6 Richmond VA

Receiver: RCA Colorvista. Antenna: 13 element yagi.

Tony Ward RR4 Guelph, Ontario N1H 6J1 (EST/EDT)

"...A bit of a burst in March let me log a bunch of not too distant VHF's now that my system is performing quite well...Wish I'd had my nice 7' dish up for the 16th & 21st of March. The Super Flying Arrow got WB1AJ with only 3 or 4 db of gain on this channel. The (Delhi) dish has 25 db over a dipole. I'm using Belden 8235 which has less than 4.0 db loss/100' for down lead until Delhi's new low noise pre-amp comes out next month...less than 6 db noise dead flat performance over entire VHF/FM/UHF band...12 db gain & extremely high overload characteristics also. Dish is at 46' at present and will be at 66' eventually. A second tower will hold the VHF 1047 (38' on pipe at present) up with 2 10YFMG's vertically stacked. An old Allied rotor will turn a low vertically mounted cheap VHF for Bs. The SFA 1483 is at 56'; above the dish for comparison. The discrepancy between the 2 becomes remarkable at channel 79 which is near snowfree on the dish. W46AB is a frame bar full time, the Erie U's are always watchable, often excellent with very mild tropo."

February 11 Tr 0600 KDKA-2 Pittsburgh (220) 21 Tr 0850 WOSU-34 Columbus OH (290)  
0900 WOUB-20 Athens OH (310)

March 4 Tr 0725 WJIM-6 Lansing MI (225) 0901 WSTV-9 Steubenville (290)  
0727 WOOD-8 Grand Rapids (275) 0907 WBNS-10 Columbus OH (290)  
1628 WPSX-3 Clearfield PA (200) 0925 WB1AJ-81 Cattaraugus (115)  
0145 CRPST-7 Sturgeon Falls (190) 0930 WQEX-16 Pittsburgh (220)  
16 0204 WETAJ-13 Huntington WV (375) 0725 "Fair to N. Ohio U's"  
0215 WTAJ-10 Altoona PA (230) 0730 WJAC-6 Johnstown PA (235)

0800 Scranton-W.B., Youngstown  
0835 W26AA-26 Jamestown NY (120)  
0840 W46AB-46 Brocton NY (95)  
0845 W73AR-73 Arcade NY (120)  
0850 W76AM-76 Allegany NY (135)  
0900 WJAN-17 Canton OH o/WNEB  
0930 WPAJ-15 Parkersburg (310)  
WHLZ-18 Zanesville OH (270)  
0952 WTRF-7 Wheeling WV (250)  
1000 WPGH-53 Pittsburgh (220)  
1007 WTOL-11 Toledo OH t/CHCH  
19 0900 WBNS-10 Columbus OH (290)  
21 0800 WPAJ-15 Parkersburg (310)  
0812 WHLZ-18 Zanesville (270)  
All northern Ohio U's  
0815 WOUC-44 Cambridge OH (260)  
0840 W41AA-41 Wheeling WV (250)

April

9 Au - "choppy ch 2...no ID's"  
"7' dish up!"  
16 Tr 0715 WPGH-53 Pittsburgh (220)  
22 0730 "Trop building; N. Ohio excellent, W46AB, W26AA & W73AR, WNPE-16 weak, WENY-36 weak, nothing over 200 miles except WCNY-24 Syracuse."  
28 2230 W73AR-73 Arcade NY (120)  
"Trop building...at same time W26AA not seen & W46AB weak"  
2235 W46AB Brocton 2345R (95)  
2240 Akron, Canton, Youngstown U's

May

3 Tr 2210 WCNY-24 Syracuse NY (215)

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

April 10 Tr 1740 Telerebelle-3 Holguin CUBA  
1 Tr 2145 ICR6-3 Santa Clara CUBA R  
ICR2-8 Santa Clara CUBA R  
ICR6-9 Matanzas CUBA  
2200 W69AA-69 Hollywood FL  
2332 ICR-2 Havana CUBA R  
2 0550 WJXT-4 Jacksonville FL R  
2300 ICR6-3 Santa Clara CUBA R  
ICR6-9 Matanzas CUBA R  
2345 WJCL-22 Savannah GA R 390  
ICR-2 Havana CUBA R  
3 0014 ICR-6 Havana CUBA R 305  
6 0843 WCJB-20 Gainesville R 260  
"full VHF dial to 175 miles"  
2200 WJKS-17 Jacksonville R 285  
9 2315 ICR6-3 Santa Clara CUBA R  
ICR2-8 Santa Clara CUBA R  
10 1450 ICR6-3, ICR2-8 "—ICR TP  
w/Reloj Nacional (a Cuban radio net -bt) AM ticker"  
18 0600 WTOG-11 Savannah GA R 390  
19 0902 WYEA-38? "NBC" T  
0940 WJKS-17 Jacksonville R 285  
WCJB-20 Gainesville R 260  
WJCL-22 Savannah GA R 390  
26 0815 WMFE-24 Orlando FL R 150  
0830 WJKS-17 Jacksonville R 285  
WJCL-22 Savannah GA R 390  
2210 WUSF-16 Tampa FL T  
2300 WEEA-14? "PBS" T  
2310 WJCL-22 Savannah GA R 390  
2315 WATU-26 Augusta GA (SC) 490  
27 0930 WCJB-20 Gainesville R 260  
29 0540 WJXT-4 Jacksonville R  
0602 WJKS-17 Jacksonville T  
2200 ICR6-9 Matanzas CUBA R  
30 2200 ICR6-9 Matanzas CUBA R

"Some Cubans, some tropo but no Es...well with April at an end...Es can't be too far away..." (Ken also extends an invitation for members who'll be in Florida for the WTPDA convention to drop by His West Palm Beach QTH -bt)

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

March		25 Tr		2200		Detroit U's weak to fair			
23	Tr	1900	WVIA-44	Scranton PA (190)	29	0824	WEYI-25	Saginaw MI (255)	
		1925	WKBS-48	Philadelphia(270)	May				
				Detroit 50 & 56 weak	5	MS	0556	KYW-3	Philadelphia (270)
24		0000		Detroit U's very good	8	Tr	1830	W56##-56	Kennedy NY (50)
				CKGN29-29 hvy CCI on lcl	13		1800	WDHO-24	Toledo OH (240)
28		1915		Scranton area U's fair	14	Es	1800	unID-2	weak CCI u/WGR
		2055		WNYS-9, WCNY-24 NY vy good	15		1900	WMT-2	Cedar Rapids IA? T
29		0100		WDHO-24 Toledo OH (240)			2030	MUF	to ch 6; vy unstable
		0110		CKGN1-22 Cottam Ont (205)			2100	KLINE-3	Lexington NE R
				noted w/net trouble slide				KTVS-3	Sterling CO R
		0154		CKGN29-29 OilSprings(165)			2102	KNOB-2	North Platte NE T
April							2117	KCKT-2	Great Bend KS T
16	Tr	0710	W62##-62	Clymer NY (72)			2158	KHAS-5	Hastings NE R
				CCI w/W62## Sinclairville			2200	KMTV-3	Omaha NE R
21	MS	0208	KCKT-2	Great Bend KS T				KARD-3	Wichita KS R
	Es	2035		unIDs 2-4 south			2230		skip now coming from both west and southwest; CCI becoming unbearable!
24	MS	0538	WWAY-3	Wilmington (560)			2235	KTAL-6	Shreveport LA? T
25		0603	WTTG-5	Washington DC(285)			2300	KTVI-2	St Louis thru WGR
	Tr	0900	WNXP-16	Watertown NY(165)			2306	KYTV-3	Springfield MO R
		0910	WETK-33	Burlington VT(315)			2310	KLINE-3	Lexington NE again
		1419	WCDC-19	Adams MA (300)			1900	KWGN-2	Denver CO thru WGR
		1441	WVTA-41	Windsor VT (315)	16				
		2200	WKAR-23	E Lansing MI(280)					

In an attempt to reduce some of the adjacent channel slop from my locals on 2 and 4, I built a Quad Loop (June '74 VUD, p.6) on a wooden frame, and have been amazed at how well it pulls in skip on ch 3. It's hand rotatable, and I can get a surprisingly deep null on my locals. I was able to get a couple of positive video ID's thru my local on 2, something I thought I could only do with a phasing system. Last season I got good results with a phasing system using a couple of bargain-basement cheapo yagis, and may try again this year for some channel 4 ID's. All I need is a pair of good channel 4 yagis and a much bigger back yard, hi!

(EDITOR'S NOTE: In the interest of being as topical as possible, I'm including the following report, which reached me right at press time. -bt)

Tony Ward RR4 Guelph, Ontario N1H 6J1 (EDT)

May		14 Tr		0805		W56##-56		Kennedy NY	
13	Tr	0812	WGVC-35	GrandRapids (275)	0807	(unID)	81	"weak bars"	
		0815	WCNU-14	Mt Pleasant (225)	0815	W81??-81	20	CCI on W81AJ T	
		0820	WUHQ-41	BattleCreek (270)	0824	W72AQ-72	20	Gal Valley NY	
14		0730	W73AR-73	Arcade NY	0836	W60##-60	Finley Lake NY		
		0733	W76AM-76	Allegany NY	0845	"Signals fading, WPGH-53			
		0737	W81AJ-81	Cattaraugus NY			now a framebar, earlier good."		

"MI on the 13th was a little weird as nothing beyond--I still hope for Wisconsin. The news is obviously the 14th when with the help of nice but not spectacular trope--nothing beyond Pittsburgh--I systematically tracked down WNED-17's translators...72 was a pleasant surprise. I check channel using FM harmonics & there are no errors...56 was a nice feeling & 60 was tough--very tight."

**New members: let's hear from you!** If you do any TV DXing in FLORIDA, GEORGIA, SOUTH CAROLINA, NORTH CAROLINA, VIRGINIA, MARYLAND, D.C., DELAWARE, NEW JERSEY, Western PENNSYLVANIA, NEW YORK, CONNECTICUT, RHODE ISLAND, VERMONT, NEW HAMPSHIRE, MASSACHUSETTS, MAINE, NEW BRUNSWICK, NOVA SCOTIA, PRINCE EDWARD ISLAND, NEWFOUNDLAND (How about all you Labradorians?) QUEBEC, and ONTARIO, let's hear from you soon!

**Make your convention plans now!** This year's WFFD Convention is being held at one of the best vacation spots on the Eastern Seaboard. If you've never been to a WFFD convention before, you can combine a summer vacation with it, and keep the wife and kids happy. Plan to attend your club's annual event this year at Fort Lauderdale's Lighthouse Point. It's always an informative experience for even the veteran DXer. Here's a bonus for some of you Eastern members: you may be able to take advantage of some of the new, lower "third-class" air fares. Your editor hopes to be there, too!

# CENTRAL TV-DX

William J. Draeb  
Ellis St. R.R.#2  
Kewaunee, Wi.  
54216  
(414)-388-2350

Deadline: 12th

The past month was a rather dull one for dx. There weren't any good tropo openings here during the month and E-Skip didn't get off the ground yet. Dyer Gould got what tropo there was only because of his location further South than the rest of the reporters. Of course we all know Jim has an A-1 dxing setup, which helps, but his location, I think, was the determining factor in getting those 700+ mile tropo he saw during the past month.

Marvin Shults; R.R.#1, Toulon, Ill. 61483 CDT (309)-286-7291

4-19 Ms 0625 KRIS-6 Corpus Christi, Tx.	4-29 Tr 0900 WKMJ-68 Louisville, Ky.
4-29 Tr 0859 WVUT-22 Vincennes 4554	W68AA Danville, Ill.
WFIE-14 Evansville, In.	0930 WLKY-32 Louisville, Ky.
0900 WLFI-18 Lafayette, In.	WDRB-41 " "
WTIU-30 Bloomington, In.	5-3 Ms 0654 KATC-3 Lafayette, La.
	0657 IHTP-2 SW; no i.d.

"There seemed to be very little activity during the reporting period--at least while I was watching. I am currently using two-4 bay uhf antennas stacked vertically driving a CMA-Ub. I hope to have the P-7 back in operation in the next month or so."

Roderick Louma; 38540 Five Mile, Livonia, Mi. 48154 EST-EDT

4-16 Tr 0030 CKGN-22 Uxbridge, Ont.	5-5 Tr 0100 WTMJ-4 Milwaukee, Wi.
0035 WKEF-22 Dayton, Oh.	0115 WLWC-4 Columbus, Oh.
0036 WSBT-22 S. Bend, In.	0125 WRTV-6 Indianapolis, In.
0037 WFLD-32 Chicago, Il.	0145 WMAQ-5 Chicago, Il.
0100 Ft. Wayne U's	0155 WISN-12 Milwaukee, Wi.
	0156 WITI-6 " "

"Tropo reception is still awaiting that first big opening to be seen here. I just can't believe we're this far into May without one or two sessions. Maybe I've just missed them! (I doubt it, nothing here either--wd) I finally got some grounding problems corrected in my fet vhf preamps to eliminate the tendency to oscillate and the improvement is appreciable. WICU-12 Erie at 170 miles seems to be seen just about every day even when the band is down. One new station this time, CKGN-22 Uxbridge, which was received when CKGN-22 Cottam had signed off early as they often do. They must protect the Detroit area market when running certain movies which may be purchased in the future by one of the Detroit stations. I heard an interview one morning on CEE -1550 khz with a Global official explaining why they had to black out Cottam for these reasons. If its the 6:30 p.m. movie, a slide saying "rejoin us at 10:00 for the news" is aired with no audio. If the 11:00 p.m. movie is blacked out, they sign off early. Fortunately I can get 29 from Oil Springs pretty good if I care to watch the blacked out feature."

Paul Gains; 15920 Puritan St., Detroit, Mi. 48227 EST-EDT

4-25 Tr 0525 CKCO-13 Kitchener, On.	4-25 Tr 0528 WENS-10 Oh. 3545(165)
3544(150)	0544 WSBT-22 In. 1022 "
CKCO-1-2 On. 1022(210)	0548 WAKR-23 Oh. " (125)
0527 KDKA-2 Pittsburgh 1323(210)	0552 WICU-12 Pa. 1532(160)
0528 WLWC-4 Oh. 2043(165)	0622 WNDU-16 In. 1022(165)
WTWN-6 " " "	2350 WGVC-35 Mi. 2522(135)

Thanks for the report Paul; conditions seemed to be pretty bad for tropo during the past month--wd.

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

4-17 Tr 1930 KOLR-10 Mo. 3010(445)	4-17 Tr 2340 KTHV-11 Ar. 2022(520)
2000 KOED-11 Ok. 2312(613)	2350 WHTV-24 Ms. 2313(590)
2050 KWTW-9 Ok. 3523(720)	2400 WBMG-42 Al. 3415(490)
2325 WTUV-9 Ms. 3513(464)	4-18 Tr 0025 WTK-11 Ms. 4514(590)
2330 KOED-12 Mo. 2213(515)	0100 WALA-10 Al. 4524(700)



Gould; continued---

4-17 Tr 0100 "All evening, very rapid fade, indicative of thunder storm activity, on all signals. Un- usual for long tropo." 2220 KOLR-10 Mo. 4030(445)

0600--band dead.

4-20 Tr KOLR-10 in and out all day w/qsb.

4-23 Tr 0747 WAAV-31 Al. 2213(410)

4-24 Tr 1930 " " 2013 " "

2130 ccci ch.2 SSE w/Toledo.

4-25 Tr 1930 WAAV-31 Al. 2223(410)

2005 10kc cci ch.47 w/WTP SE. (I have WTP/WSVN 10kc apart-wd)

4-26 Tr 0800 WAAV-31 Al. 2433(410)

2100 WSVN-47 Va. 4525(317)

Madison U's, snowfree.

2230 KRIN-32 Ia. 5532(320)

4-27 Tr 0047 WKPT-19 Tn. 4533(346)

0057 WENT-19 Al. 4533(410)

0125 unided ch. 19, 10kc cci w/Peoria, SSW.

0200 unided ch.7, SSW, Telethon.

0257 WBBJ-7 Tn. 4534(378)

Jim also sends along an interesting article about "manufacturing E-Skip". It could be used in underdeveloped countries where modern communications are lacking.

Paul E. Petosky; 712 Brook St., Munising, Mi. 49862 (906)-387-4712 EST-EDT

4-12 Au 0120 chs.2-6 unided; N.

Tr 1815 WPNE-38 Green Bay (145)

1835 WGTU-29 Traverse City (135)

4-13 Tr 1230 CBLAT-3-9 Wawa (140)(snowfree)

CBLAT-4-11 Marathon (160)

CBLAT-13 Geraldton (230)

1240 WGTU-29 Traverse City (135)

1700 WPNE-38 Green Bay (145)

1715 WWTW-9 Cadillac (160)

CICA-19 Toronto (395)

Au 1730 unideds ch.2-6; N.

Tr 2155 WJEM-5 Bay City (240)

2200 WGTU-29 Traverse City (135)

WPNE-38 Green Bay (145)

4-14 Tr 0027 CHEX-12 Peterborough (415)

0030 WTKJ-4 Milwaukee (235)

0035 CKPR-2 Thunder Bay (185)

CHEX-4 " " " "

0100 WITI-6 Milwaukee (235)

2240 WPNE-38 Green Bay (145)

WGTU-29 Traverse City (135)

4-18 Ls 0130 CBEW-6 Winnipeg (545)

4-19 Ms 0130 unided ch.6; W.

4-20 Au 1745 unideds ch.2-6; N.

4-22 Tr 0020 WWUP-10 Sault Ste. Marie (125)

Au unideds ch.2-6; N.

Tr 0100 CJIC-2 Sault Ste. Marie (112)

WTOM-4 Cheboygan (115)

0110 CKSO-1-3 Elliot Lake (190)

4-23 Tr 0005 WWUP-10 Sault Ste. Marie (125)

0045 WTOM-4 Cheboygan (115)

0120 CJIC-2 Sault Ste. Marie (112)

4-24 Au 0130 unideds ch.2-6; N.

4-25 Tr 0145 WITI-6 Milwaukee (235)

4-26 Tr 0145 WWUP-10 Sault Ste. Marie 0255 WITI-6 Milwaukee (235)

0045 WWUP-10 Sault Ste. Marie

WWTW-9 Cadillac (160)

4-28 Tr 0045 WZZM-13 Grand Rapids (240)

WJRT-12 Flint (270)

WNEM-5 Bay City (240)

WXON-20 Detroit (325)

0100 WAEO-12 Rhinelander (140)

0110 WSAU-7 Wausau (170)

WITI-6 Milwaukee (235)

0115 WISN-12 " "

0120 CBLAT-13 Geraldton (230)

CBLAT-3-9 Wawa (140)

CBLAT-4-11 Marathon (160)

5-2 Tr 0145 WWUP-10 Sault Ste. Marie

WWTW-9 Cadillac (160)

5-12 Tr 0130 CBLAT-13 Geraldton (230)

CBLAT-3-9 Wawa (140)

CBLAT-4-11 Marathon (160)

5-13 Es 1320 chs.4-6; NE, lasted 5 minutes.

Tr 1930 WGTU-29 Traverse City

2125 WFLD-32 Chicago (315)

2330 WWSN-44 " "

5-14 Tr 0130 WWUP-10 Sault Ste. Marie

If any dxer knows what happened to CBLAT-1-8 Manitowadge, Ont. please contact Paul. He hasn't seen them in a long time and believes they may be off the air.--wd.

Paul also passes along info of a ch. 55 xltr to be operated by WGTU-29 in Alpena, Mi. More details as they become available.--wd.

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

4-14 Ms 0536 WCIV-4 Charleston (810)

Tr 0705 W39AA(WBGU) Ft. Wayne (180)

4-15 Tr 0500 WLWC-4 Columbus (320)

0530 WJW-8 Cleveland (330)

WKYC-3 " " "

4-23 Tr 0525 WJW-8 " " "

0530 WENS-10 Columbus (320)

4-26 Tr 0700 KRCC-10 Rochester (260)

0730 WKIX-19 Cincinnati (300)

0735 WUAB-43 Lorain (310)

0745 WVIZ-25 Cleveland (330)

4-29 Tr 0530 WCPO-9 Cincinnati (300)

WKRC-12 " " "

5-9 Tr 0630 WPBO-42 Portsmouth (370)

Ruland; continued---

5-9 Tr 0645 WKIX-19 Cincinnati (300)  
0630 WOSU-34 Columbus(320)  
0700 WCVN-54 Covington(310)

5-9 Tr 0700 WCET-48 Cincinnati(300)  
0725 WVIZ-25 Cleveland(330)  
WAKR-23 AKRON(340)

5-13 Tr 0645 WLKY-32 Louisville(330)  
0650 KINL-30 St. Louis(300)  
Log now at: 374

William J. Draeb; Ellis St. R.R.#2, Kewaunee, Wi. 54216 (414)-388-2350 CDT

4-16 Tr 1846 KINL-30 St. Louis(432)  
Dayton U's(368)  
Cleveland U's(355)

1848 WOSU-34 Columbus(395)

4-20 Ms 1104 "Under Dog" cartoons; ch.4; ENE.

4-21 Tr 2012 WKYT-27 Lexington(473)  
WKLE-46 " " "

4-26 Tr 0515 WKRC-12 Cincinnati(400)  
WENS-10 Columbus(395)  
KWNL-7 Waterloo(268)  
WHIO-7 Dayton(368) T

0520 WJW-8 Cleveland(355) T  
0525 WCPO-9 Cincinnati(400)

Ms 0550 Unided ch.8; 7 sec. burst, 5-16 Tr 0645 KCCI-8 Des Moines(367)  
minus offset, SSE. 0659 WHO-13 " "

Tr 2040 KINL-30 St. Louis(432)  
WICS-20 Springfield(325)

2043 WTIU-30 Bloomington(376)  
WVUT-22 Vincennes(405)  
WILL-38 Terre Haute(348)

2107 KMTC-27 Springfield(589) T 5-17 Tr 0138 KCCI-8 Des Moines(367)  
WKYT-27 Lexington(473) 0144 WDIO-10 Duluth(286)  
Indianapolis U's(336) WENS-10 Columbus(395)

4-27 Tr 0820 WLKY-32 Louisville(437)  
WKYT-27 Lexington(473)  
WQTV-62 " "

WILL-38 Terre Haute(348)  
Log now at-----:589 0703 KMTC-27 Springfield  
0712 KTSB-27 Topeka(560)  
0731 KVFD-21 Ft. Dodge(365)  
0744 KCBJ-17 Columbia(450)  
2049 WVIZ-25 Cleveland(355)

I just received a call from Jim Gould (5-18 @ 2200). He said chs.26 and 39 from Houston were rolling in. I didn't have the tube on at the time because of thunderstorms in the area. I now wished I would have looked sooner as I may have missed out on something. Guess I'll have to wait till next time. 73's for now and good dx. Bill.

**ANN ARBOR VIEWERS!**

IF YOUR CHANNEL 6 TV RECEPTION IS AFFECTED...

CALL: 761-4300

WRITE: WCBN-FM,  
University of Michigan,  
S.A.B., Ann Arbor,  
Michigan 48104

← See page 71

# WESTERN TV DX

Dennis Park Smith  
2237 1/2 Ceres Avenue  
Chico, California 95926  
Telephone 916 343-9424

June 1975

ADDRESS FOR 9-JUL DEADLINE:

(A couple of reports in this month's column go back to November, December, January and February, with Es loggings during those months. Check those reports if you wish to add those to the latest Es charts for those months. All other reports in this issue contain Es for April.)

Dennis Park Smith  
722 Rosewood Avenue  
Wasco, California 93280  
Telephone 805 758-2832

CHICO address for 7-Aug deadline

Overall, DX for the month of April wasn't so good, though it did give a chance for some MS observing by several reporters. Tropo wasn't much, though it was better further south. Oklahoma DXers saw just a little tropo on 17 April and 4 May with VHF-UHF up to about 700 miles. However, Pat Dyer in south Texas had quite a session around 14-18 April with Florida and Georgia UHF noted, such as WYEA-38 Columbus GA at 830 miles and WKID-51 Fort Lauderdale FL at 1150 miles.

After fair to good showings at times through February here and there, Es in March and April has been rather slim. What DX was seen by sporadic-E was scattered around, with few reports coinciding with each other, time-wise. MUF's were consistently low in all reports (ch 2 and 3), except for 14 April, when Steven Wiseblood in California noted 97.9-MHz MUF at his location. Perhaps it won't be a very good summer for Es DX, but we'll see what happens.

	noon	eve	noon	eve	noon	aft	am	aft	eve	
Sporadic-E	9	9	13	14	14	20	21	25	27	May 2, 3
Number of reporters	1	2	1	1	2	2	1	1	1	1
MUF at least(ch/MHz)	3	2	4	2	97.9	3	3	2	3	2

Jim Pizzi, 300 Park, Orcutt, California 93454 (20 Nov - 1 Feb) (PST)

20 tr 1810 unId 26 north(10kHz) 1857 unId 4 SS u/XHG 0910 unId 2  
toKMPH;off1820;SF?) 1922 ch 2 f/out 0930 KDIX- 2 DickinsonND  
22 Es 1845-2000 2,4,5 unIds D8 tr 2106 KOED 9 SanFran CA 15 Es 1700 unIds 2,4,5(noted  
(on cable at store) 2107 KEMO 20 SanFran 18 Es 1748 unIds 2,4 on  
30 Es 1550 unIds 2,3,4 2110 KBHK 44 SanFran 27 Es 1900 unIds 2,4,5 cable)  
1600 KMID- 2 Midland TX 11 Es 1730 unIds 2,4,5 J5 tr 1015 KMUV 31 Sacramento  
1715 XEJ - 2 Cd.Juarez 1832 unId 4 (ABC) 1016 KTXL 40 Sac'to CA  
1729 KDBC 4 El Paso TX 1958 KWGN 2 Denver CO 1019 KVOP 38 SanFran CA  
1810 unId 2 SS Ch5 net 12 tr 2320 KGSC 36 SanJose CA 1020 KBHK 44 SanFran CA  
1839 unId 2 SS basebal 14 MS 0500-0600 2-6unIds east 30 Es 1800-2000 2,4,5 SSunIds  
1835 XHG - 4 SS (double hop)(Id as Guadal. Es 0845-0858 4 unId east 31 Es 1800 unIds2-4(on cable)  
(nothing on 2,3) FI Es 1700 unIds2,4,5 SS  
w/film of city;tol912) Total seen now 150.

Steven C. Wiseblood, 707 Loma Way, Santa Maria, California 93454 (7 Apr - 6 May) (PDT)

Antennas: ACA-525 25-el. @ 25 feet; ACA 22-el. for UHF @ 30 feet  
11 tr 1746 KGO - 7 CA1434R228 2010 KOCO - 50K2342 1281 22 tr 0717 KMST 46 CA3555 135  
13 tr 0845 KMST 46 CA2345\*130 2011 WKY - 40K5531 1280 0732 KNTV 11 CA5555 160  
Es 0930 unId 2 nel(Canada?) 2012: MUF @ 97.9 23 tr 1856 KTVU 2 CA3554 230  
0950 unId 3,4 n.n.e. 2110 f/out 27 tr 0853 KTVU 2 CA3444 230  
tr 0954 KNTV 11 CA4555 175 18 tr 0826 KRCR 7 CA0222T405 Es 1026 CBUT 2 BC T1000  
1021 KSBW- 8 CA5555 135 1424 KRON- 4 CA1443 228 30 tr 1820 KSBW- 8 CA5555 135  
Es 1038 KMID- 2 TX3023 1066 1522 KTVU 2 CA4524 228 1 tr 1820 KSBW- 8 CA5555 135  
tr 1139 KTVU 2 CA2434 228 1528 KPIX 5 CA0344 228 2 tr 1135 KNTV 11 CA4555 165  
1140 KGO - 7 CA2544 228 1629 KGO - 7 CA2555 228 1317 KSBW- 8 CA5555 135  
2008 KRON- 4 CA0531 228 19 tr 0848 KMST 46 CA1035 130 Es 1540 CBUT 2 BC T1000  
14 Es 1849 unId 4 east 21 Es 1247 CBUT 2 BC T1000 3 tr 1117 KGO - 7 CA2534 228  
1904 KMID- 2 TX5054T1066 (Sesame Street) 1443 KPMB- 8 CA3454 230  
1947 KAMR 4 TX5555 1046 MS 1502 KLAS 8 NV T310 4 tr 0811 KNXT 2 CA3444 135  
(Amarillo-new call) (super-burst)

No new stations this month; total remains at 102. April was a very cold month here, in fact, temperatures were between 5 & 10° below average for most of southern California. Tropo has been virtually nonexistent. Es has been very low for this time of year. Is it better anywhere else? 73's.

Glenn Hauser, 1312 W. Oak Avenue, Enid, Oklahoma 73701

(4 Mar - 5 May) (CST)

Es is awfully slow starting this year; not a trace as of 5 May. I did get the dish up, but it must be hand rotated. At least we're getting a little tropo after a long, dull period. (# = visible on CATV only)

0929 KTXS 12 Sweetwater TX	0929 KTXS 12 Sweetwater TX
1150 KCBJ 17 Columbia MO	1150 KCBJ 17 Columbia MO
KOLR 10 Springfield MO (solid)	KOLR 10 Springfield MO (solid)
1212 KMFC 27 Springfield(out by 1250)	1212 KMFC 27 Springfield(out by 1250)
2336 WALA 10 Mobile AL # (NBC,weak Id)	2336 WALA 10 Mobile AL # (NBC,weak Id)
20 MS 2348 CFP1710 London Ont#(Idatbottom)	20 MS 2348 CFP1710 London Ont#(Idatbottom)
(or WPLG? KBGL?)	(or WPLG? KBGL?)
(CATV ant aimed NNE)	(CATV ant aimed NNE)
25 tr 2259 KRCY 9 Abilene TX (Id thru KWTU)	25 tr 2259 KRCY 9 Abilene TX (Id thru KWTU)
3 tr 2035 KXTX 39 Dallas TX	3 tr 2035 KXTX 39 Dallas TX
4 tr 0532 KPFO 8 Sayre OK (slide w/xltrs)	4 tr 0532 KPFO 8 Sayre OK (slide w/xltrs)
0533 KCBJ 11 LubbockTX(CB;0534 NM Rpt)	0533 KCBJ 11 LubbockTX(CB;0534 NM Rpt)
0534 KVLK 13 Lubbock (CB;0534super.Id)	0534 KVLK 13 Lubbock (CB;0534super.Id)
0534 KVII 7 Amarillo TX (Id slide; long list of xltrs at s/on)	0534 KVII 7 Amarillo TX (Id slide; long list of xltrs at s/on)
0548 KPDA 10 Amarillo (microwave calls; 0551 s/on)	0548 KPDA 10 Amarillo (microwave calls; 0551 s/on)
0605 KAMR 4 Amarillo (CB; Id super.)	0605 KAMR 4 Amarillo (CB; Id super.)
(1.4MW, DruryCollege, off PM)	(ex-KGNC-TV)
0650 KMCC 28 Lubbock(fullCB; 0900fade)	0650 KMCC 28 Lubbock(fullCB; 0900fade)

Bob Cooper, Jr, Rt 5 Box 782, Guthrie, Oklahoma 73044

(8 Feb - 6 May) (CST)

A disappointing spring season here to date. Es, if there has been much, has been spotty here (or I have simply been too busy and missed it). Tropo never developed as it normally does; totally absent have been openings to the southwest and far north. Generally, stinko to date. Going back to the last report filed:

- Feb 11: Es tune-in 1835 with WCB2 2 SC WPBT 2 FL WEDU 3 FL noted.
- Feb 13: tropo 0730 KIDZ 24 TX.
- Feb 17: Es t/in 1750 WPBT 2 FL WEDU 3 FL WDIQ 2 AL noted.
- Feb 18: Es t/in 1840, weak through 1915.
- Feb 20: Es t/in 0751 WTHS 2 ICR-2 Cuba and Rebelde-3
- Mar 12: tropo 2025 KCBJ 17 MO.
- Mar 16: tropo t/in 1755, weak zero-beat against KUHI 16 MO.
- Mar 17: tropo KTVV 36 TX and KVUE 24 TX.
- Mar 20: tropo t/in 0723 KVRL 26 TX KVUE 24 TX KIDZ 24 TX WMAO 23 MS WMAH 19 MS WMAU 17 MS WMAV 14 MS KILAA 14 LA WRET 33 LA WHMA-40 AL WKAB-32 AL WGIQ 43 AL KETS 25 WMAA 29 MS WCOV 20 AL WAPT 16 MS WDHN 18 AL WIIQ 41 AL WCPT 33 AL WACS-25 GA and WAIQ 26 AL (station # 609).
- Mar 22: tropo 0855 KCBJ 17 MO, 0930 WICS 20 IL. 2135 tropo picking back up with WAPT 16 MS WMAV 18 MS WMAO 23 MS WRBT 33 LA WMAA 29 MS WMAU 17 MS WMAV 14 MS KILAA 14 LA KIDZ 24 TX KVUE 24 TX WHYT 24 MS WGNO-26 LA KVRL 26 TX, through 2330 tune-out.
- Mar 23: tropo 0149 WLOX-13 MS KHOU 11 TX KTRK 13 TX.
- Mar 26: tropo t/in 0815 KIDZ 24 TX KVUE 24 TX.
- Mar 27: tropo t/in 1012 KDNL-30 MO, 2058 WAPT 16 MS.
- Mar 30: tropo t/in 0920 KIDZ 24 TX KVUE 24 TX.
- Apr 1: tropo t/in 0720 KTVV 36 TX KIDZ 24 TX KVUE 24 TX.
- Apr 9: tropo 0750 KCBJ 17 MO.
- Apr 16: tropo t/in 0725 KTRK 13 TX KVRL 26 TX KEDT 16 TX WRBT 33 LA WMAA 29 MS WMAU 17 MS KILAA 14 LA WAPT 16 MS WMAH 19 MS.
- Apr 17: tropo t/in 0725 KCBJ 17 MO KHNE-29 NE WRBT 33 LA WMAO 23 MS WAPT 16 MS WMAV 14 MS WMAV 18 MS WCOV-20 AL WAIQ 26 AL WKAB-32 AL WIIQ 41 AL WMAH 19 MS; t/in 1640 WAPT 16 MS; t/in 1835 KCBJ 17 MO KDNL-30 MO WIIH 38 IN WICD 15 IL WICS 20 IL WFIY 20 IN WIPB 49 WUST-16 IL KNCT-46 TX and others in and out.
- Apr 24: tropo t/in 0745 KDNL-30 MO KHNE-29 NE KCBJ 17 MO KIDZ 24 TX.
- Apr 25: tropo t/in 2212 KCBJ 17 MO.
- Apr 28: tropo t/in 0740 KCBJ-17 MO KDNL-30 MO KIDZ 24 TX KRCG 13
- Apr 29: tropo t/in 0724 WFIW 14 IN WEHT 25 IN WKMA 35 KY and WPBO 42 OH (815 mi, station # 610)--all via long, thin duct ahead of cold front. 0801 KCBJ-17 MO.
- May 4: tropo t/in 0950 KIDZ 24 TX KVUE 24 TX KCBJ 17 MO KTVV 36 TX plus 50-some UHF translators from southwest, west (none new), 1825 KNCT-46 TX KTVV 36 TX KVUE 24 TX KIDZ 24 TX KHTV 39 TX.
- May 6: tropo 0745 KHTV 39 TX KVRL 26 TX.... 73

WESTERN TV-DX

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

(7 Apr - 6 May)

(CST)

Equipment: 1971 model 9-inch black-and-white Penncrest with Archer V-100 and 8-bay bow-tie UHF array at 20 feet with rotor

2 Es	1150 WDIQ	2 AL	T 730	0600 WMAW	14 MS	620	2252 WDHN	18 AL	T 795	
	WCBD	2 SC	T1120	WAPT	16 MS	T 525	2304 WCOV	-20 AL	750	
	1155 WSAV	- 3 GA	T1050	0610 WRBT	33 LA	450	2332 KXAS	- 5 TX	240	
	1229 WSB	- 2 GA	880	0935 WIIQ	41 AL	670	2358 WYEA	-38 GA	830	
	1240 f/out			1058 WTOG	-44 FL	985	18 tr	0005 KPCL	-7 LA	325
	Es 1915-20	2 unIds	n.e.	1100 KPCL	- 7 LA	325	0010 WEAR	- 3 FL	685	
11 ms	1148-51	2-6 vylongburst		WAFB	- 9 LA	T 450	0012 WALA	-10 AL	630	
14 tr	0812 KMCC	28 TX	340	WKLT	40 FL	T 990	0018 KOCO	- 5 OK	420	
	Lubbock(ex-KSEL)			1117 WBRZ	21A(o/KPRC)	450	0019 WFAA	- 8 TX	250	
	0816 KLBK	-13 TX	340	1125 WBBH	-20 FL	T1040	0021 KDFW	4 TX	250	
	0829 KCBD	-11 TX	340	1200 U's	f/out		0528 WMAH	19 MS	T 570	
	1130 still	some UHF	in	1800 WBRZ	2 LA	T 450	0710 WMAH	19 MS	570	
Es	1145 WTHS	- 2 FL	1150	WAFB	- 9 LA	T 450	WRBT	33 LA	T 450	
	1220 f/out			1829 WRBT	33 LA	450	WAFB	- 9 LA	T 450	
tr	1717 KPCL	- 7 LA	325	1955 WEVU	26 FL	T1050	WAPT	16 MS	T 525	
	1730 WGNO	-26 LA	T 510	2040 WMAU	17 MS	470	20 Es	1010 WKZO	- 3 MI	T1140
	1810 WAPT	16 MS	T 525	2020 WBRZ	2 LA	T 450	1024 WJBK	- 2 MI	1225	
	2020 WBRZ	2 LA	T 450	2045 KALB	- 5 LA	T 385	1105 f/out			
	2045 KALB	- 5 LA	T 385	2059 WMAU	17 MS	470	1733-58 unIds	2,3,ne,spotty		
	2059 WMAU	17 MS	470	WMAA	29 MS(//17)	525	ms	2231:45KUSD	-2(SDPTV)logo	
	2100 WRBT	33 LA	450				2304:45KTVI	2M0790	920	
	2103 WMAH	19 MS(//17)	570	2133 WTOG	-44 FL	T 985	24 tr	0740 WBRZ	2 LA	T 450
	2108 WMAW	14 MS(//17)	620	2137 WMAA	29 MS	525	WAPT	16 MS	T 525	
	2212 KXTX	-39 TX	250	17 tr	0500 WDSU	- 6 LA(tp)	510	WRBT	33 LA	T 450
	2304 WAFB	- 9 LA	450	0504 WAFB	- 9 LA	450	WAPT	16 MS	T 525	
15 Es	0755 WRBT	33 LA	T 450	0838 WMAW	14 MS	620	WPLC	- 7 LA	T 325	
	0759 WTOG	-44 FL	985	WMAU	17 MS	470	2305 XHD	- 4 Tamp	T 505	
	WKLT	40 FL	990	WMAH	18 MS	630	XHPW	- 9 Tamp	T 505	
	0810 WAPT	16 MS	T 525	WMAH	19 MS	570	25 tr	0028 XHAJ	- 5 VC	T 700
	WMAH	19 MS	T 570	WCOV	-20 AL	T 750	unIds	6,9		
	0955 WBBH	-20 FL	1040	WAIQ	26 AL	T 750	XHAB	- 7 Tamp	T 250	
	1050 WEVU	26 FL	T1050	0854 WRBT	33 LA	450	Es	1430 unId	2 se,Sp,Cuba?	
	1200 FL	U's f/out		0900 WIIQ	41 AL	670	1459 YNTC	- 2 Nic	1400	
	1658 WEVU	26 FL	T1050	0922 WMAA	29 MS	525	(until 1600)			
	2105 WKLT	40 FL	T 990	0929 WBMG	-42 AL	750-	1538 YSR	- 2 ELSalt	1200	
	2129 WAPT	16 MS	T 525	0930 WEIQ	42 AL	T 630	1600 TGV	- 3 Guat	T1120	
	2143 WKID	-51 FL	1150	1003 WHTV	24 MS	T 620	1630 f/out			
	2205 WEVU	26 FL	T1050	1015 WGNO	-26 LA	T 510	26 tr	0758 WRBT	33 LA	T 450
	2357 WBBH	-20 FL	1040	WDHN	18 AL	T 795	0820 WAPT	16 MS	T 525	
16 tr	0000 XHAH	-8 VC	T 700	KLAA	14 LA	T 430	27 tr	0225 WWL	- 4 LA	510
	XHX	-10 NL	T 275	1059 WAPT	16 MS	525	29 ms	0810 very high rates		
	unId	13 Mexico		1130 some	U's still	in	3 ms	1159:55 KTCA	-2 MN	1110
	XEPB	- 3 NL	T 275	1900 WBRZ	2 LA	T 450	Es	0025=32 unId	2 n.or,n.e	
	XHAB	- 7 Tamp	T 250	WAPT	16 MS	T 525	vy spotty			
	XHPW	- 9 Tamp	T 505	1957 KXTX	-39 TX	250	2105-30	KNOP	-2 NE	815
	0215 KSLA	-12 LA(tp)	350	2110 WACS	-25 GA	T 855	4 ms	0900-1200	high rates	
	0520 KRGV	- 5 TX	225	2125 unId	24 north		5 tr	2230 XHAB	- 7 Tamp	T 250
	0524 KLFY	-10 LA	395	2128 KMID	- 2 TX	280	KSWO	- 7 OK	T 355	
	0526 WMAU	17 MS	470	KERA	-13 TX	250	2350 KOED	-11 OK	T 450	
	WMAA	29 MS	525	KSWO	- 7 OK	T 355	6 tr	0015 unIds	9 south(KLRN	
	WMAH	19 MS	570	2245 WRBT	33 LA	450	on late w/auction)			
				WTOG	-44 FL	985	0100 WFAA	- 8 TX	250	

Despite the size of this report, there is an ominous sign--perhaps the worst Es season start since 1971. I guess we've been spoiled the last few years with good April levels. Tropo of Apr 14-18 had some weird behavior. The ducts into Florida were not present many times at, e.g., 0600, but later formed to stay in until near noon. Apr 18 very wide angle with tropo to Oklahoma and Florida simultaneously.

WIPM-3 Puerto Rico said no to my tent. report of Feb 20. I guess it might have been WEDU after all. 73, WA5IYX.

WESTERN TV DX  
continued page 24...

# IDENTIFYING THE NON-IDENTIFIERS

by Clarke W. Ingram

ANYONE WHO FM DXes with any regularity frequently comes across those stations termed "the non-Identifiers"; stations which identify themselves often and loudly with some phrase or combination of letters other than their actual call. To hear a station identify themselves as "K-96" for some length of time without hearing the actual call can be extremely frustrating (not to mention ulcerating). And, as many stations convert to this no-ID ID format, numerous unidentified loggings begin to appear in DXers' log books (witness Mike Dorner's reception of a "Z-103" some time back). In an effort to aid in the identification of such disgusting practices, we have compiled the following list of stations known to be using these phrases or "calls." NOTE: There is quite a difference between a slogan and a non-ID; it is one thing for a station to call themselves "Stereo 97" along with their call, but it is something else entirely when a station dwells on some sub-identification without mentioning the actual call for some period of time. Here, then, is the list:

<u>FREQ.</u>	<u>CALL</u>	<u>LOCATION</u>	<u>NON-ID ID</u>
92.1	WFEM	Ellwood City, PA	C-92
92.5	KAFM	Dallas, TX	92-K
92.9	WZGC	Atlanta, GA	Z-93
93.3	WIOA	Des Moines, IA	FM 93
93.7	WMYK	Elizabeth City, NC	K-94
94.1	KOL	Seattle, WA	K-92
94.5	KSTP	Saint Paul, MN	KS-95
95.7	WZZM	Grand Rapids, MI	Z-96
95.7	KKAJ	Ardmore, OK	K-J
95.9	WLEQ	Bonita Springs, FL	Super Q
96.3	WMYQ	Miami, FL	96-MYQ
97.1	KPAM	Portland, OR	K-97
97.9	KUPD	Tempe, AZ	K-100
98.1	KSLQ	Saint Louis, MO	Super Q
98.1	WCAU	Philadelphia, PA	FM 98
98.7	WXLO	New York, NY	99-X
98.7	WNOR	Norfolk, VA	FM 99
99.9	KTOM	Clovis, NM	Q-100
101.1	WAKO	Russellville, KY	KQ-101
101.3	KIOI	San Francisco, CA	K-101
102.1	WIOQ	Philadelphia, PA	102 Musicradio
102.1	KLOZ	El Paso, TX	K-102
102.1	KYYS	Kansas City, MO	KY-102
103.3	KKTU	Ukiah, CA	K-2
104.3	WDJQ	Baltimore, MD	Q-104
104.3	KBEQ	Kansas City, MO	Super Q
104.5	WQRK	Norfolk, VA	Super Q
104.7	WRBQ	Tampa, FL	Q-105
105.7	WQXA	York, PA	Q-106
106.5	KOOI	Jacksonville, TX	K-1
107.9	KCIR	Corsicana, TX	K-108

Note the duplication of cities above, as stations attempt to imitate their competitor's idea. Also note the proliferation of these stations on 102.1! Any additions or revisions to this list are always welcome.....73, Clarke

# SOUTHERN F M D X

EDITOR: Ted Fleischaker  
3023 Tremont Drive  
Louisville, KY 40205.

R.L. Lyons, 2864 West Bay Drive, Largo, FL 33540.  
Equipment: Marantz 2245, 7 element yagi w/rotor.

WHIP Hattiesburg, MS 103.7 Stock Market Report  
KOBBS Orange, TX 104.5 "Cerving the Sabin & Natchez area" r music  
4/3/75  
KELT Harlingen, TX 94.5 r music time: 1502  
KVUV McAllen, TX 96.9 news-weather report  
4/7/75  
KLEB Golden Meadow, LA 94.3  
4/10/75  
KNCT Killeen, TX 91.3 news-weather report, time: 1200  
YSNB Lafayette, LA 94.5 Certs, Campbell Soup ads, time: 1252  
KYND Pasadena, TX 92.5 Allied Bank ad, m music  
4/16/75  
KITV San Antonio, TX 92.9 m music, time: 1630  
KLEF Houston, TX 94.5 c music  
KZFN Corpus Cristi, TX 95.5 r music  
4/17/75  
KOCV Odessa, TX 91.3 r music, time: 0845  
WQIT Biloxi, MS 93.7 ad, time: 0910  
WKGC Panama City, FL 90.7 time: 0927  
KERA Dallas, TX 90.1 news report, time: 1000  
KSMI Alex, LA 96.9 "Adult Music Station", time: 1355  
WEZB New Orleans, LA 97.1 m music, time: 1340  
WABB Mobile, AL 97.5 "free record album" promo, r music, time: 1345  
WGNE Panama City, FL 98.5 "Quad 98", time: 1348  
KULU Beaumont, TX 91.3 talk, politics, zodiacs  
KDBS Alexandria, LA 100.3 Coliseum tickets, time: 1521  
4/18/75  
KNCT Killeen, TX 91.3 time: 0915  
KVLU Beaumont, TX 91.3 r music, time: 1145  
WQCK Fairhope, AL 92.1 news-weather report  
KREB Monroe, LA 106.1 time: 1300  
WTUB Troy, AL 105.7 k music, market prices, time: 1306  
WXSL Slidell, LA 105.3 soul music, time: 1315  
WLPR Mobile, AL 96.1 "Beautiful Music", time: 1715

Ted Fleischaker, 3023 Tremont Drive, Louisville, KY 40205.  
Equipment: Sansui 210 receiver, Winegard 8C-650 antenna, Alliance rotor.

4/18/75  
WPAI Paducah, KY 96.9 CBS nx/ wx/ s/off at 1:05 a.m. (WTT)  
4/23/75  
WLBC Muncie, IN 104.1 s/off at 1 a.m.  
WKLC St. Albans, WV 105.1 "Country Lovin' KLC" music was k, 1:11 a.m.  
WCB Atlanta, GA 98.5 "Great 98" m music from "White Columns"  
WHRI Chicago, IL 90.1 II/news-weather report, time 11 p.m.  
4/26/75  
WNCM Brazil, IN 97.7 local ad/II at 12:28 a.m.  
WKMU St. Louis, MO 90.7 c music/ sta of Washington University  
WIAN Indianapolis, IN 90.1 promo/ spanish program e station  
4/27/75  
WPLC Indianapolis, IN 105.7 local ad/ promo for WPLC music  
WKUP Huntington, WV 100.5 SAT-FOP football game/ local ads also  
WHUB Cookeville, TN 98.3 wx/II "Hub City"  
4/28/75  
WVWC Champaign, IL 97.5 "Music just for the 2 of us on WVWC"  
WVUP Dayton, OH 104.7 beer ad/ local I  
WQCN N. Vernon, IN 106.1 community calendar at 9:16 a.m.  
WHCR Rushville, IN 94.3 local ad at 9:18 a.m.  
WJQA Cincinnati, OH 98.5 II/ local ad/ weather forecast

SOUTHERN TV-DX (Continued); Ted Fleischaker Report (Continued).

4/28/75 (Continued)

KLAZ Little Rock, AR 98.5 r music/ local ads...very strong signal  
 WMIX Mt. Vernon, IL 94.1 "The B. Illinois Entertainer"  
 W... Marion, IL 107.3 I. as "W 3 D...Big Lake Country."  
 WSCM Chester, IL 105.7 I. as Chester, IL - Ste. Genevive, MO  
 KWPM W. Flaines, MO 93.9 public service announcement/ I  
 WENS Bowling Green, KY 93.5 local ad/ weather forecast  
 5/14/75  
 Unid. 90.5 Spanish....possible GMD, Havana, Cuba..rotor at SS from here.

Not too much to report here....did manage to get some good ones this month and almost all listed are new from Louisville for me. Hope the southern folks remember to report often for the new editor, who will be taking this column over immediately, it has been fun, but with work did not have time to keep this column as well as my other "paying" job! It's been a lot of fun, so support the new editor.

*Keep smiling!  
 Ted*

WESTERN TV-DX...continued from page 21...

June 1975

Buck Battin, 1209 Richmond Dr. SE, Albuquerque, New Mexico 87106 (1-30 April) (MDT)

I have still not re-installed my VHF high-band and UHF antennas--I'll wait 'til the spring winds here have died down before trying again. With my trusty 10-element low-band yaagi (still intact) I am able to submit the following reception report for April:

9 Es 1927 WSB - 2 Atlanta GA NI260 20 Es 1000 unids 2 east  
 (brief opening, weak) 21 MS 2330 WBRZ- 2 Baton Rouge LA 950  
 14 Es 2100 unids 2,3 (west & northwest) 22 MS 0800 KGFE 2 Grand Forks ND N1050  
 19 MS 0052 KTVU 2 Oakland CA (new mode) 900mi 26 MS 0749 KGFE 2 Grand Forks ND 1050

If you're wondering why I'm so big on ch. 2, it's because there are locals on ch. 4 and 5, and FM stations wreak havoc on ch. 6. Ch. 3 is open, but it gets heavy interference from local KOB-4; my antenna will tune it out somewhat to the NW & SE, but from any other direction it would take some pretty strong DX to overpower it.

However, I bought one of those GE TV-band radios recommended by Clark Ingram (since buying it there has been no Es here). How is it attached to an outdoor antenna? (It has no external-antenna terminal.) Also, how does one figure its impedance?

(Can anyone answer Buck's questions? dps)

Richard Noel Allen, Route No. 1, Billings, Oklahoma 74630 (17 Apr - 4 May) (CST)

Receiver: Sony Trinitron KV1212

Antennas: Winegard 11-element VHF log with pre-amp and Archer 44-el. UHF log with pre-amp, above 25 feet

17 tr	0515	KTXS-12 TX	320	0541	KUPK-13 KS	205	0735	KXTX-39 TX	260
		KTVV 36 TX	T 420	0553	KTVC 6 KS	160	0741	KIDZ-24 TX	180
	0540	KVUE 24 TX	T 420	27 tr	2145	KIDZ-24 TX	180		(relaying KERA;
	1858	KTBC- 7 TX	420	29 tr	0455	WFAA- 8 TX	260		CCI- KVUE)
	1900	KVUE 24 TX	420		KDFW- 4 TX	260	0746	KTVV 36 TX	420
	2056	KMTC 27 MO	245		KXTX-39 TX	260	0756	KVRL 26 TX	490
	2059	KOZK-21 MO	N 245		KTXS-12 TX	320	0810	KLEK 13 TX	320
		KCBJ-17 MO	335	0500	KERA-13 TX	260		(CCI: KERA-TV)	
	2102	KDNL-30 MO	445	0504	KTVT 11 TX	255	0815	KCBD-11 TX	320
	2108	WICD 15 IL	T 565	0540	KUHI-16 MO	180		(CCI: KTVT)	
	2116	WICS 20 IL	500	M1 MS	0456	WCBD- 2 SC	1030	0821	K77BI OK(WKY) 75
	2123	KOLR 10 MO	245	1/4 tr	0730	KTVT 11 TX	255		K71BJ OK(WKY) 95
	2100	KUHI 16 MO	180		(CCI: KCBD-TV)		0829	K75B4 OK(KWTV) 95	
	2125	KYTV 3 MO	245	0732	KERA-13 TX	260	0856	KMTC 27 MO	245
24 tr	0514	KXTX-39 TX	260		(CCI: KLEK)		0859	KFDX- 3 TX	180
		KLTV 7 TX	320	0735	KMCC 28 TX	32-	0900	KAUZ- 6 TX	180
	0539	KGLD 11 KS	205		(ex-KSEL-TV)				



# WESTERN FM DX

EDITOR: ROGER S. HORIE  
P.O. BOX 784  
MISSOULA, MT 59801  
TEL: (406) 549-5365  
DEADLINE: 10th MONTHLY

...Report...

...Support WTFDA

Glenn Hauser, 1312 W Oak, Enid, OK 73701 (7 Mar-6 May) (GST)

4-17 Tr 1033 KNCT 91.3 TX Killeen  
1059 KETR 89.9 TX Commerce, ID, 25 0830 ??? 92.9 ?? tone test  
"NewsScene 89"  
5- 5 Tr 2019 KROA 95.7 NE Grand Island, ad, nx  
I've hit quite a low point in FM DXing, as my ~~F1000T~~ tuner, the erstwhile thing that brought me 900 stations in Von Ormy, and some 500 here in a previous existence, broke down. I haven't yet replaced it with a better tuner, so am relying on the standby portable Astronaut-6 (which served me well on the expedition to NW Canada and Alaska). Using the same 10-element antenna as before, and the CADCO IPA, it attains considerable sensitivity.

Pat Dyer, WA5IYX, 5315 Silvertip Drive, San Antonio, TX 78228 (8 Apr-8 May) (CST)

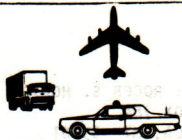
Allied 426; Hallicrafters SX-62 with International SAX-1 preamps, and Hamtronics FM preamp; Archer V-100 antenna at 20 feet with rotor.....  
4-14 Tr 0840 KSJT 97.5 TX San Angelo, SS 175 4-18 Tr 0129 KLCL 99.5 LA Lake Charles, ID 325  
15 Tr 0157 KPLX 99.5 TX Fort Worth, ID 240 0130 WMC 99.7 TN Memphis, rock 635  
0805 KTRM 95.1 TX Beaumont, c&w, ID 275 WJMI 99.7 MS Jackson, rock 525  
0841 KBAT 93.3 TX Midland, c&w, ID 275 0145 WJTA 99.7 GA Atlanta, ID 880  
0850 XHQQ 93.3 NL Monterrey, ID 275 0155 WKEL 105.3 LA Slidell, soul 530  
16 Tr 0045 KESI 107.9 TX Edinburg, ID 215 0230 WEZI 105.9 TN Memphis, ID 635  
0130 KLCL 99.5 LA Lake Charles, ID 325 0231 KRAL 98.1 TX Texarkana, ID 380  
0610 KTRM 99.3 TX Beaumont, ID 275 0300 WEGM 98.9 FL Tallahassee, 855  
17 Tr 2012 KNIT 105.1 TX Abilene, ID 220 s/on (prior by Es)  
2025 KBJH 98.5 OK Tulsa, ID 450 24 Tr 2358 XHOX 95.3 Tamp. Tampico, ID 505  
2043 KFMN 99.3 TX Abilene, ID 220 25 Tr 0130 KRAL 98.1 TX Texarkana, c&w 380  
KORQ 100.7 TX Abilene, EL 220 27 Tr 0230 WKEL 105.3 LA Slidell, soul 530  
18 Tr 0050 KBFM 104.1 TX Edinburg, ad 215 0300 KRAL 98.1 TX Texarkana, c&w 380  
0105 KROK 94.5 LA Shreveport, ID 350 0305 WJMI 99.7 MS Jackson, rock/ 525  
0122 KSMB 94.5 LA Lafayette, ID 395 soul

Some good days of trop in here, with several new catches. Judging by TV Es conditions so far, the season appears to be considerably poorer than the last few years. 73's pat

Danny Buntin, 1020 S. Duncan, Stillwater, OK 74074 (16 Feb-7 May) (CDT)

Pioneer TX-9100 tuner, & 10 element ant., @ 32 ft.....  
2-16 Es 1650 WJMI 99.7 MS Jackson, wx 480 5-3 Tr 2202 KABI 98.3 KS Abilene, nx, wx 190  
3-21 Tr 2136 KTFK 106.9 KS Topeka, ID, wx 220 2230 KBMF 98.3 TX Spearman, ID 230  
2317 WQXY 100.7 LA Baton Rouge, ID 540 late evening, Dallas-Ft Worth in  
2321 KADL 94.9 AR Pine Bluff, ID 320 much stronger than usual  
2331 KGMR 100.3 AR Jacksonville 290 2239 KETR 88.9 TX Commerce 215  
2354 WMC 99.7 TN Memphis, PSA, rock 405 2259 KRAL 98.1 TX Texarkana, 250  
2357 KOSY 102.5 AR Texarkana, s/off 2331 KPXI 100.7 TX Mt Pleasant, ID 240  
22 Tr 0004 KADO 107.1 AR Texarkana, soul 5-4 Tr 0032 KFMN 99.3 TX Abilene, ad 300  
0010 WEZI 105.9 TN Memphis, EL 405 0125 KDJW 94.1 TX Amarillo, c&w \$ 285  
4-17 Tr 2101 KFIN 107.9 AR Jonesboro, ID 360 0200 KSEL 93.7 TX Lubbock, s/off 330  
5- 3 Tr 2123 KSTA 107.1 TX Coleman, ID 340 0918 KYEZ 93.7 KS Salina, EL, \$, ID 195  
2125 KORQ 100.7 TX Abilene 300 5-7 Tr 0623 KOFO 95.7 KS Ottawa, ad 205  
2125 KNIT 105.1 TX Abilene 300 0629 KSFT 105.1 MO St Joseph, ID 300  
2129 KOYI 99.3 KS El Dorado 115 0637 KESM 107.1 MO El Dorado Springs  
2130 KMRJ 96.9 KS Pittsburg 155 0645 KLVN 105.9 KS Lawrence, wx 220

\*\*\*\*\*  
\*\*\*\*SPECIAL ANNOUNCEMENT\*\*\*\* I will be leaving for Hawaii shortly with a stop over in the Southern California area for an indefinite period. Because my whereabouts for the next few months is in question, I am submitting my resignation, effective 20 June. Final deadline will be 10 June. Any member wishing to take over the column should contact HQ's immediately. Special thanks to all members that supported this column. If a replacement has not been found by the time I get relocated, I can and will resume the column. It is hoped, however, that someone will step forward and assume the editorship of this column. Again thanks to all contributors.



# VHF UTILITY DX

Pat Dyer  
5315 Silvertip Drive  
San Antonio, TX 78228  
Deadline: 12th of month

JUNE 1975

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

8-7: ----, LHLL 157.3 nr Baltimore (BIANCA, Bulk Carrier)  
 10-17: ----, N79887 119.7 ov Kent Is., MD (Benard A. Heckman, M.D.;  
 Cessna 182, single-engine, 4-seat; 4500 ft)  
 3-1: ----, N6337W 119.7 nr. Bal. (Skyhighs Fly. Club; Piper Cherokee)

Dave Rogers, Box 74, Buffalo, OK 73834 as a part-time night dispatcher for the local Sheriff is very much interested in police DXing. Their stations are: KLA 986, 155.76; KKJ 462, 155.49 & 39.58. The Oklahoma Highway Patrol (OHP) station at Guyton, KKB 469 on 44.7 and 44.9 puts out a good signal, as does the OHP HQ station in OK City, KKC 883. OHP stations ID with call and location. Dave will be glad to supply those interested with a list of most police stations with calls for n.w. OK and s.w. KS. Dave's father is in the 2-way radio business and has KCU 210 on 35.96.

Now, my loggings. Hallicrafters EX-62 with two 30' long-wires (at 12' running ne-sw and nw-se); all are Ls unless noted, \* F2 with daily peak if over 30 MHz. GMT used.

4-15: 2050, 33.00 *	29: 1418, KQD 313	8: 0202, KAQ 606
20: 1607, KQC 884	30: 0212, KAI 927	2127, KIQ 999
2310, 35.91 *	5-3: 1723, KSJ 815	13: 0422, KQD 313
21: 2102, 33.00 *	7: 1435, KSJ 815	0436, KSC 645

As can be seen, the F2 spring season was poor and the Ls season is not off to much a start.

KAI 927 35.34 Denver, CO	KQD 313 35.50 Dayton, OH
KAQ 606 35.58 Denver, CO	KSC 645 35.58 Chicago, IL
KIQ 999 35.34 Mobile, AL	KSJ 815 35.22 Fort Wayne, IN
KQC 884 35. - Detroit, MI	(all are A2 tone pagers)

Ottawa 10-cm solar flux and Fredericksburg (VA) A-Index

Mar 1: 72 15	8: 74 1	15: 74 16	22: 70 5	29: 69 23
2: 74 10	9: 75 5	16: 77 20	23: 68 14	30: 69 8
3: 75 7	10: 74 40	17: 76 12	24: 68 11	31: 71 10
4: 74 8	11: 74 46	18: 75 15	25: 68 8	
5: 72 35	12: 75 26	19: 74 10	26: 69 12	avg: 72.5
6: 73 23	13: 77 19	20: 73 10	27: 68 25	
7: 73 5	14: 76 18	21: 72 4	28: 68 23	
Apr 1: 70 7	8: 73 31	15: 69 5	22: 67 14	29: 72 1
2: 71 5	9: 73 35	16: 69 5	23: 68 24	30: 72 5
3: 72 10	10: 72 32	17: 69 5	24: 68 14	
4: 73 6	11: 72 26	18: 68 7	25: 71 9	avg: 70.6
5: 74 7	12: 70 17	19: 67 6	26: 71 7	
6: 74 13	13: 70 22	20: 67 12	27: 73 6	
7: 73 17	14: 69 18	21: 68 20	28: 74 3	

According to recent Swiss sunspot number predictions, Cycle 20 might reach minimum as early as January 1976 or in the spring.

Sets of Xeroxes of my 3-part Es series (VUD Dec 1972, Jan & Feb 1973) of 9 pages are available for 75¢.

73, Put WA5IYX



# TV CCI

Frank Aden, Jr.  
448 NE Olney Ave.  
Bend OR 97701

Deadline: 10th of the month  
Unidentified TV DX

June 1975

This month I will finish off the 1974 unids so by next month I will get into the 1975 DX season unids.

Clarke Ingram 5201 Colewood Dr., Pittsburgh PA 15236 (1974 unids)

Sat Jun 15 Es ch 3 1159 EDT--Promo for movie "High Road to Jamaica" to air Monday nite Jun 17. PTA: SE to S Central US. KTBS-3 & KIII-3 prime suspect.

Scott Sampson 1025 14th Ave A, Orion IL 61273 (1974 unids)

Fri Jul 12 Tr ch 11 1145 CDT--"Mothers in Law" (Kay Ballard recognized). Promo for "That Girl" weeknights at 7 PM. Promo for "Boots Malone" at 1 PM. "Channel Eleven, The One to Watch For". PTA: Midwestern US.

Sun Jul 14 Tr ch 2 0728 CDT--Record Ad- "Miller, Musieland & Woolworth. Promo "Eye-witness News at 6 & 10" with Wes Sims. Promo for "ch 21 Sunday afternoon Movie Special". At 0730 Gospel Son program with sermon. Address mention- Lexington KY. 0800 Rex Humbard. "TV 21 ID". PTA: WHP, WFMJ, WPTA NE US. WHP has Rex Humbard at 0800 but shows nothing at 0730 in TVG. WPTA has a religious program at 0730 & Rex Humbard at 0800 according to TVG. (FEA)

Jim Pizzi 300 Park, Orcutt CA 93454 (1974 unids)

Thu May 9 Tr ch 58 1820 PDT--relaying KNXT-2 to the North.

Sat May 11 Es ch 2 1245 PDT--SS with local variety to SW.

Sun May 12 Es ch 2 1532 PDT--Wildlife program (sea). To East.

Sun May 13 Es ch 4 1830 PDT--SS, Resolution Chart to E-SE. XHIT? XELN?

Mon May 13 Es ch 4 1656 PDT--SS, Canal 2 ID to SE.

Tue May 21 Es ch 4 1959 PDT--SS, Canal 2 ID to SE.

Mon May 13 Es ch 2 1657 PDT--Canal 8 ID out of cartoons to SE.

Wed May 22 Es ch 3 1507 PDT--RCA TP to North

Thu May 23 Es ch 4 2105 PDT--Musical movie about muns, at 2206 canal 2 net ID w/ start "24 Horas" news. PTA: to S, XHBS?

Thu May 23 Es ch 2 2138 PDT--Mystery Movie, SS, XHI?

ch 3 2150 PDT--20 khz CCI to KEYT, SS? XHQ?

ch 2 2218 PDT--Cowboy movie. SS.

ch 4 2219 PDT--Movie with subtitles. SS.



Paul Traska 64 Weaver Ave, Buffalo NY 14206 (1974 unids)

Wed Jul 3 Es ch 3 1730 EDT--Perry Mason, add-Rand Shoes, two locations Downtown & Mid Western also fair or rodeo in TX. PTA: TX  
KFDX has it (FEA).

ch 3 1800 EDT--High Chaparral with a add Uncle Bills. PTA: TX  
None of the TX TVGS list it (FEA).

ch 3 1600 EDT--\$10,000 Pyramid. KARD seen. Suspect KTVO. TVG does show it for KTVO (FEA).

John Combs 816 W. Harvard, Orlando FL 32804 (1974 unids)

Mon Apr 1 Tr ch 3 0602 CDT--Retna TP, not WRBL, WSAV since previously IDed. PTA: TN, NC with WRCB, WBTB possible.

Mon Apr 8 Tr ch 25 0612 EDT--Wedge TP--programs began 0615. WACS possible PTA: GA

John Combs continued

- Tue Apr 16 Es ch 4 1531 CDT--Begin "Jeannie", later NBC promo. PTA: SD,NE,IA KTIV?
  - ch 3 1610 CDT--"Jeannie", lokhz offset to WEDU. Same PTA, KGLO? KDLO?
  - ch 3 1627 CDT--Begin "BEVERLY HILLBILLIES". Same PTA
  - ch 3 1629 CDT--End delayed "Sesame Street" Prob. ALNE. TVG-negative.
  - Mon Apr 29 Es ch 4 1629 CST--"Sinbad" cartoons in SS. XEFB-3 in, XELN?
  - Fri May 3 Tr ch 6 0531 EDT--SSQ,CE, Restbars, tests to NE. WJBF?? PTA: GA not WDBO, WCIX,WCTV. WBRC had programming.
  - ch 2 1723 CDT--"Star Trek" KPRC? PTA: TX
  - Sun May 5 Es ch 4 0836 CST--Retma with logo in center. Simon says not XHTV.
  - Sat Jun 15 MS ch 2 0533 EDT--ID Slide as drawn at left. Almost positive it is WJEK. PTA: MI
- TV 2**  
WJFF LOC
- ch 4 0854 EDT--3/4 cb pattern w/TT. (7-2.25-s). PTA: WI, MI,IN,OH,ONT
  - ch 3 0945 EDT--Delayed NBC "Jetsons". PTA: as above. WJMN checks neg. WKYC?
  - ch 4 1255 EDT--Delayed NBC "Addams Family". PTA: as above. Suspect WTOM.
  - Thu Jun 20 Es ch 3 0930 EDT--Delayed NBC "Jackpot". PTA: NE US. N of Mason-Dixon Line & S. Quebec.
  - ch 4 1200 CDT--Begin "Green Acres". PTA: MO,IA,IL area. Nothing checks in TVG.
  - ch 4 1200 CDT--Begin "Dick Van Lyke". Same PTA. WHBF checks.
  - ch 4 1630 CDT--Begin "That Girl". Same PTA. TVG negative for this and next 3.
  - ch 4 1630 CDT--Begin "Green Acres". Same PTA.
  - ch 3 1630 CDT--Begin "Andy Griffith". Same PTA.
  - ch 3 1744 CDT--Begin "Lucy Show". Same PTA.
  - Fri Jun 21 Es ch 4 0901 CDT--"Sesame Street". Non-PBS station. PTA: TX, either KGNC or KGBT (no PBS affiliates there). KGBT checks (FEA).
  - ch 4 1420 EDT--"Concentration". PTA: Great Lakes Area.
  - Sun Jul 7 Es ch 3 1510 EDT--Bowling in FF-CBC-FF net as "Radio Canada" keyed on screen. CBC ID at 1529. PTA: Ont,PQ. CKSO-1 or CJBR? 2-hop.
  - ch 3 1503 EDT--B.B. Mets-Giants on Mets Nework. PTA: NY. WSYR?
  - ch 3 1518 EDT--Wall Street Week. PTA: PA or Canada. WPSX?
  - Wed Jul 10 Es ch 3 0800 CDT--Begin old cartoons ("Merrie Melodies"). At 0809 large digital time keyed at bottom of screen.
  - ch 2 1007 CDT--Cooking show, recipe keyed on screen.
  - ch 4 1143 CDT--Newsman with logo at left in background. Call on arm of h, couldn't make out. Letters look like magnetic ink characters.
  - ch 4 1218 CDT--During newscast, "Comment: Guest" in background, man speaking--Norman N. Gill.
  - ch 4 1601 EDT--Begin "The Forest Rangers". Suspect WTOM. TVG neg.
  - ch 5 1517 CDT--"Courtship of Eddie's Father"
  - ch 4 1519 CDT--"Phil Donahue"
  - ch 5 1629 CDT--End Andy Griffith. This or 1517 logging may be WNEM--seen later.
  - ch 5 1532 CDT--Game show with moderator and 3 couples. Doesn't look like any now in syndication,--Canada?
  - ch 4 1534 CDT--Delayed NBC "Jackpot"
  - ch 5 1535 CDT--"I Dream of Jeannie"
  - ch 3 1621 CDT--"Gilligan's Island"
  - ch 5 1625 CDT--"Lost in Space"
  - ch 3 1625 CDT--"Hogan's Heroes"

All unids for Jul 10 lie in marked off area on map.

Sat Nov 30 Es ch 5 1552 CST--Circular TP. Calls possibly above logo. KTXT suspect but no answer from them--who else would run a TP at this time? PTA: TX.



# TV QSL CORNER

KENNETH R. SIMON  
528 Pilgrim Road  
West Palm Beach, Fla. 33405  
JUNE 1975

First, response has been lousey! Only two reporters...so here they are:

OH WVIZ ch 25 4300 Brookpark Road, CLEVELAND 44134. L-signature unreadable. 92 days. R.W. Lord-Chicago.

MO KOMU ch 8 COLUMBIA 65201. L-mentions the importance of DX reports to station. W.J. REAGAN, dir. br. eng. 5 days. Scott Sampson-Champaign.

Now to the commercial:

I expect to see you all at the WTTFA convention Aug. 1-3 in WEST PALM BEACH, FL. The downtown Holiday Inn has been designated as convention headquarters. We'll have the top floor. Special rates will be: single-\$14, double-\$18, triple-\$22 and quadruple-\$26 (or \$6.50 each!). The hotel has a swimming pool so don't forget your trunks. Registration is \$10 and covers two meals and beverages. (I'm negotiating to have some Coors sent in.) Station tours as well as interesting talks are planned. There are tons of things to do in the area. We're only 3 hours by car from Disney World. Door prizes are being assembled. (So far, 3 6-foot oak door have been donated.) I can only hope that many of you who might not come to the convention will stop by during your trip to Florida. Gasoline doesn't appear to be in short supply, AMTRAK is lowering some rates and the airlines have introduced No-Frills. The convention will also make a good jumping off place for side trips to Miami, the Bahamas and just a good time. We have facilities for showing slides, playing tapes of stations and probably can get a projector if anyone wants to bring 8 mm film (of DX only...unless they are...). An auction is planned so bring your old UHF converter or what have you and make a few bucks too. I know times are tough but this is the best time to come to Florida....YOU WILL BE THERE! Contact me for more information.

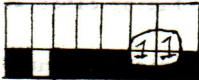
73s for now...AUGUST is fast approaching...

TV-CCI

June 1975

John Combs Continued (1974 & 1975 unids)

Mon Dec 16 Tr ch 11 0555 CST--3/4 CB pattern with logo in lower right as shown. In for a few seconds thru Tr & CATV hash, so could conceivably be a freak MS. It is not: WINK, WFSU, WTOG, WXIA or WTOK. Who uses this pattern with this logo? PTA: Eastern & Southern Midwest.



Sun Dec 22 MS ch 2 0213 EST--5-second burst of movie "Houdini". PTA: E. & N.E. US. & S. CNT & PQ.

Sun Jan 26 Tr ch 10 0003 CST--Sign-off with NPssb, then unID 3/4 CB (7-2 1/2-s+) for a few minutes. Not WALA, WLCY, WPLG, KZTV. According to older skeds, WALB on later than this. PTA: Entire S.E. US from TX to GA.

ch 10 0122 CST--BE-TP with "10" in center. Put on for test, no call seen. Open audio carrier. Off after a few minutes. Not known whether this is same station as previous logging. PTA: the same as before.

ch 19 2210 CST--After WMAH s/off: weak signal, appeared to be movie. KAEC off yrs. ago, so KXIX only real possibility, flea-power & all. No answer yet from parent KIII. PTA: TX (Does anyone know their offset on 19?)

IDs for July 1974 TV-CCI-Johnson, ch 2 Prob. Habana, since Ciego de Auila believed to be off by then.

Dyer, ch 2 Feb 18-not WTHS/WPBT.  
IDs for April 1975 TV-CCI-Simon, ch 12, Ken reports it is WPEC's Dummy load.  
ch 5, Ken has eliminated WKRG, WTTG, WAGA, WMAQ, WCVB, KMOO, KSD, WNEW, WHEW, WRAL, WLWT, KOCC, WMC, WLAC, WBAP, KENS. This leaves WOI, KALB, WPTZ, KRGV, WCYB, WDTV, WFRV.

That ends the 1974 unIDS and I am now ready for everyone to send their 1975 unIDS in. With the 1975 DX season in full session now I hope it will be one of the best for everybody and for everyone to get lots of new IDs & few unIDs. Until next month, 73's. 29

# FM QSL CORNER

Editor:  
Greg Kelley  
181 Hurst Ave. NE,  
Roanoke, Va. 24012

There will not be a FM QSL Column in the June VUD... as I have received only 2 reports! My thanks to Ken Simon for sending them. Unless more reports are received, the FM QSL Column will not exist. Ken Simon says to be sure and be in Florida for the 1975 WTPDA convention.

## TV DXING FROM THE ROOFTOP OF VIRGINIA

For several weeks we had been talking about taking a trip and it was my job to pick a spot. After being buried under tons of maps and brochures, I decided on Grayson Highlands State Park... the Montana of Virginia... and a little DXing on the side. So on the dark and cloudy morning of May 1, we loaded the car for our trip. I checked my things for the most important stuff. CB radio, SLR camera with assorted telephoto lenses, pocket VHF receiver, Panasonic TV with fully-charged battery. We are off!!

Around 10 AM we arrive at our first stopping place... Christiansburg, Va., located next to interstate 81... 25 miles south of Roanoke. Hmmm... time for a little TV DX... I switched on the TV... nothing much came in... so I took the TV outside and gave it a try. Ch 7, 10, 15 in Roanoke were all 5s. Ch 13 in Lynchburg at 72 miles was 4555. Not bad! Ch 6 in Bluefield at 40 miles was 4455, ch 12 in Winston-Salem at 72 miles was 4455. But old ch 2 in Greensboro at 85 miles was 2255, but they are always hard to get. Ch 79... relay of ch 15 in Roanoke, was 2255 at their 5-10 mi location around Blacksburg, of which I was 5 miles from. Now it was time to get rolling South in Dixie...

So down on I-81 we rolled... listening to the CB and every so often we added in our 2 cents worth, and hearing tales of smokies and beavers! So long about the Fort Chriswell exit, 60 miles air from Roanoke, I figured it was high time to see whats happening on the boot-tube. Before I forget, the elevation at the first stop was 2200 ft. Anyway, I checked the meter and our elevation was back to 2200 ft. Ch 7, 10, 15 in Roanoke were very good. Ch 13 Lynchburg at 105 miles were really holding their own. The first picture of ch 5 Bristol at 85 miles was seen. (only once being logged in Roanoke) Ch 12 in Winston-Salem and ch 6 in Bluefield were 4555. Of course there was some fading since we were moving on.

Our next stop was after we got off the interstate at Marion, Va., and had made our way to RT 16 heading East. Only thing of real interest was poor reception of WJHL-11 in Johnson City, Tn at 65 miles. First time that I have received them! Hmmm... WJHL has a translator on ch 13 near Marion. Well, here we go under the mountains at 3400 ft....

Not having found motels, and raining, we decided to go on to Independence, Va., this was a dinky little town, nestled in a quiet valley at 2500 ft. The motel was 3 stories and we took the ground level... although not best for TV DXing. I took the VHF receiver and went outside... nothing! So while the TV battery was taking on juice, I took in some television for a detailed report. Ch 12 Winston-Salem at 65 miles was 4455 with ghost, ch 7-15 Roanoke at 85 miles were 2245, ch 26 WJHL Winston-Salem was 2245, ch 79 in Grayson County (relay of WBRA) was 4455. Cr is it ch 80? Oh well... ch 8 in High Point at 85 miles 1145, ch 2 Greensboro at 90 miles was 2245, ch 6 Bluefield at 45 miles was 1145, and ch 19 WKPT Kingsport, Tn at 85 miles was 1145. First reception!

After DXing on my TV, I went outside to check the motel's antenna. They had two large...maybe 30 element VHF yagis stacked, pointed towards Winston-Salem. The motel's TV was nice...a RCA XL-100 with dedent tuning! But alas, no UHF antenna! The RCA got ch 12 with all 5's, ch 2 with all 5's, plus fair reception of WUNC 4 Chapel Hill at 135 miles, along with ch 3 Charlotte. Looks like a storm coming.... (it is)

The next morning we awoken at 6 AM, and I dress and run out the door. GOOD! The sky is clear, except for some early morning fog..so after a hardy breakfast of eggs and toast, we headed west.

We were heading for Grayson Highlands State Park, the articles says this looks like Montana. We shall see! Now this Rt 58 is something else, cause the top speed is under 25...talk about a crooked road! Finally, the road to the park..pointing upwards towards the sky..I can see how it got the name. We stopped several places for pictures, the park was deserted, except for several men working there, but we only saw them for a short time. We stopped at an elevation of 4200 ft..yes-it looks "somewhat" like Montana. It was cold!! After about 10 photos and turning blue from the cold, we crept upwards, to the top of Haw Orchard Mountain at 4800 ft. Mt. Rogers loomed in the distance...a massive mountain at 5729 ft, the highest point in Virginia. I grabed the camera, and hopped on top of a big rock to take pictures. Hmmm...its a 1-o-n-g way down! Coming back to the car, I found my father doing a little CB DXing..Hmmm..pretty good range. I gave the TV a 1-minute test..it was packed with stations! Ch 14 way down in Hickory, NC looked like a local. But the best was yet to come.

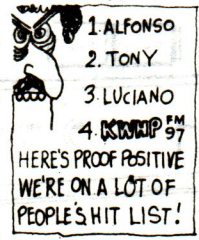
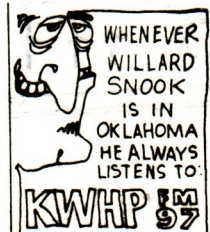
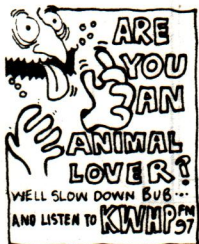
After awhile we left-heading for Rt 600 and to the peaks of Whitetop mountain. DX heaven!!  $\frac{1}{2}$  later we were there.. A massive peak towering at 5520..and there we were...right on top. First thing on the list was some photos..I next tried the VHF receiver, and found several police stations rolling in. But no time for IDs..now for TV! WOW! ZAP! WHAT DX! And from inside the car at that! here is what we got..not taking note of signal strength.

ch 58 Concord, Nc (100)	ch 19 Kingsport, Tn (60)	ch 11 Johnson City
ch 47 Norton, Va. (65)	ch 17 Linville, NC (40)	at 55 mi.
ch 40 Anderson SC (180)	ch 2 Sneedville, TN (100)	there were VHF's on
ch 33 Asheville, NC (100)	ch 3 Charlotte, NC (115)	top of each other!
ch 21 Asheville, NC (100)	ch 4 Chapel Hill, NC (160)	The SC stations
ch 18 Charlotte, NC (115)	ch 5 Bristol, Va. (35)	were 4444..only
ch 12 Winston-Salem, NC (90)	ch 7 Spartanburg, SC (125)	3355 was 18 & 17
ch 6 Knoxville, Tn (150)	ch 8 High Point, Nc (115)	21 & 33. All others
ch 10 Knoxville, Tn (150)	ch 9 Charlotte, NC (115)	were 5555.

Mt Rogers to the North blocked Roanoke. I got 5555 on ch 13 which was ETV, but where ??? Now think what a big outdoor antenna would do! It blows yer mind, doesn't it! There is a campground on top of the mountain, and some-day I'll return..with an outdoor antenna and spend the night.

And so we left...back to Roanoke..only regret is that I could not get reports. Oh well.....

*73's*  
*Greg*



## Pioneer Model TX-9100 AM/FM Stereo Tuner

Sheldon Remington  
746 Alcatraz Ave.  
Oakland, CA 94909

For the dedicated FM Dxr there are certain important characteristics in a tuner. These can be simply stated:

1. Sensitivity (mono), particularly in the  $<10$   $\mu\text{V}$  region
2. Alternate- and adjacent-channel selectivity
3. Rejection on spurious images
4. Dial calibration
5. Capture ratio

When one spends a sizeable sum to buy a tuner with good DX specs, it's only sensible to pay attention to the hi-fi specs as well, to get maximum benefit when not DXing. The most important of these are:

1. Stereo signal-to-noise ratio
2. Stereo harmonic and IM distortion, especially in the treble region
3. Frequency response
4. Stereo separation (although 30 dB is plenty)
5. Convenience features: good-quality muting, tuning meters, appearance and human engineering, and (for some) an AM section

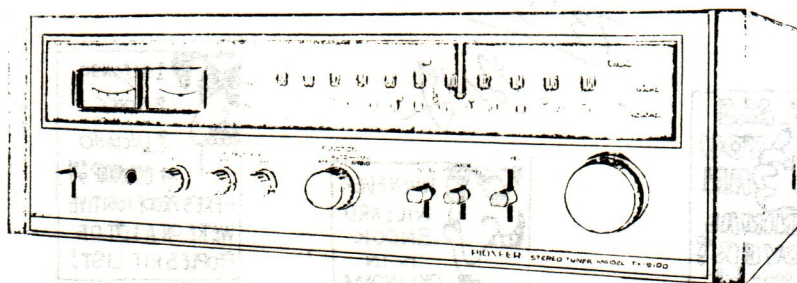
Happily, FM tuners have received a lot of engineering attention in the past several years, resulting in a number of extremely good tuners in the moderate price range (\$200-\$400), in addition to some rather exotic designs which emphasize unusual features like digital readout, logic tuning, etc., but which are not particularly superior in the quality department. The most prominent of the former category is the Pioneer TX-9100 which has been heavily advertised and also has been thoroughly measured and remeasured by the consumer magazines, with outstanding performance being found in every case.

For those who haven't read the ads or the test reports, here is a summary of the more noteworthy features and specs of the TX-9100. (See also the block diagram)

**Front End:** A five-gang tuning capacitor and the use of 3 dual-gate MOSFETs plus a buffer stage for the local oscillator result in these rather incredible specs: 1.5  $\mu\text{V}$  IHF sensitivity, with 50 dB quieting by 2.2  $\mu\text{V}$ ; spurious, image, and i.f. rejection of over 110 dB. The tuner is extremely stable, by the way -- drift is negligible under normal conditions.

**IF System:** Six integrated-circuit IF limiter/amp stages, with ceramic filters (which have steeper skirt characteristics than crystal or LC filters). IF specs: 75 dB S/N ratio, 1.0 dB capture ratio, 90-dB alternate channel selectivity, and 65 dB AM rejection (AM rejection suppresses multipath and ignition interference).

**Stereo Decoder:** Demodulation is done by a phase-locked-loop IC; the result is nearly perfect linearity...the stereo S/N ratio exceeds 70 dB; THD and IM distortion are less than 0.3%; and separation  $>35$  dB across the entire audio bandwidth.







Features: Smooth flywheel tuning, and dial-calibration that is quickly and accurately readable to better than 100 kHz across the whole dial (which is linear). Muting uses a reed relay and has two switchable threshold levels, and is positive in its action. There are internal trim pots to adjust "muting strength, muting width, and muting centering". There is a center-tuning meter plus a signal-strength meter that is sparsely calibrated but has a logarithmic action to cover a very wide range of strengths. There are individual controls to set AM and FM volume separately, plus a headphone jack with its own level control. A fixed-level output is included, which I rewired for 25-usec Dolby de-emphasis, and there are the now-common scope output jacks. The tuner has a very advanced and complex switchable pulse-noise suppressor circuit which is nice but rarely needed, thanks to the inherent AM rejection. For those who care about such things, the TX-9100 has 9 ics, 34 transistors, 6 FETs, and 26 diodes.

AM Section: The AM circuitry is contained almost entirely in a large-scale IC. It uses a 3-gang tuning capacitor and ceramic filters. The loopstick on the back can be swiveled 180° to null interference, and there are longwire terminals. Audio quality is fairly good, which is nice for ballgames, but not for DX. Sensitivity is fine, but spurious images are a problem when using a longwire in a 50-kw AM city...selectivity is fair...frequency response goes up to about 5 kHz (subjectively). Dial calibration is sparse but very accurate.

I have been using a TX-9100 for over a year now, and find it difficult to restrain my enthusiasm. Weak-signal reception is dramatically better than on other tuners I've used. With a stacked pair of CM 4408 antennas 30 feet high, 10-watters from the Boston area made it in almost nightly to my former CT QTH (120 miles), and meteor burst rates were consistently high (often over 50/hr.). Alternate-channel selectivity is practically infinite, although adjacent local QRM is a problem for DXing as it is on all hi-fi tuners. There is never any doubt as to what frequency you're on, which makes it easy to set the tuner on a blank channel for us. Through a really good hi-fi system or a pair of electrostatic headphones there is an uncanny feeling of listening right through to the announcer's studio (or concert hall).

For those who worry about the longevity of Japanese products, the construction is quite solid, with rigid wire harnesses, wire-wrap connections, and individual shields for the various circuit boards. I can attest to the ruggedness of this unit...when I moved to CA I used the Pioneer in the car with a 12v-to-117v inverter, a stereo amplifier, and bookshelf speakers. The antenna was a folded dipole mounted vertically on a roof-rack. The poor tuner really went through a torture test of temperature extremes and vibration on those Utah dirt roads, but it held up with nary a problem. I claim to be the first to DX meteor-scatter at 55 mph in a VW! Seriously, I found the FM most enjoyable on the trip, and suggest that those planning a long trip beg, borrow, or steal an inverter, hook up your tuner, and try DXing with a Doppler shift!

The TX-9100 lists for \$350, but it is available from District Sound in D.C. for about \$220. It carries a two-year parts and labor warranty. Pioneer, by the way, has introduced a TX-9500 which is really a 9100 with cosmetic changes but without the pulse-noise suppressor. The price will be higher than the TX-9100, and I believe the latter is a better value. Presumably the TX-9100 will be discontinued, so special price reductions may be widely available.

I invite any questions or comments you may have on this tuner, or on tuners in general. I can furnish copies (at cost) of the schematic or of the numerous test reports. Here is a list of those reports:

- Audio magazine, Aug. 73, pp 46-50
- High Fidelity (CBS Labs) Dec. 73, pp 58-59
- Stereo Review, Nov. 73 pp 30-32
- Stereo Buyers Guide, Winter 73-74
- Radio-Electronics, June 74, pp. 37-39 (article)
- Consumer Guide, Spring 75 Hi-Fi Buying Guide, pp 110-111
- FM Guide, May 74

73, Sheldon

## "INSTANT" PC BOARDS

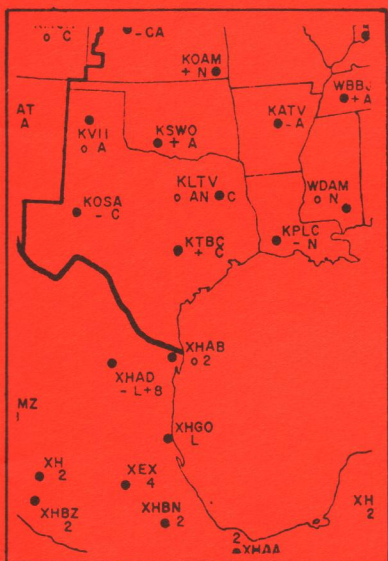
There have been dozens of articles written on "quick and easy" methods of fabricating printed circuit boards. They range from new ways to apply resist, to using pressure sensitive conductive tape. Yet, by far the easiest way of "producing" small project PC boards has seemingly gone unnoticed. That is, to use pre-etched and drilled commercial surplus PC boards.

Builders frequently see surplus PC boards at low cost, but pass them by. The normal reaction is that it would be too much trouble to fit a circuit design to the existing layout of the board. In many cases, this is certainly untrue! I've found what for me is a very easy method for this layout conversion. The first step is to make several Xerox or photocopies of the etched side of a PC board. Next, sit down with the schematic of your project and the photocopy and translate the circuit components in the schematic to workable sections of the PC board. Keep in mind that it's an easy task to drill extra lead holes or cut foil with an Xacto knife where necessary. Likewise, short jumper cables and/or copper tape can be added to the circuit. Your first layout will probably not work out; that's where the extra photocopies come in. Depending on the complexity of the project, two to four redrawings may be necessary.

Naturally, some PC boards lend themselves to this sort of recycling more than others. Fortunately, surplus PC boards are usually quite inexpensive, making it easy to build up a wide home inventory. Surplus stores and hamfests are about the two best sources of supply.

In summary, surplus pre-etched PC boards are the logical answer for providing instant PC boards for small electronic projects.

Morrie S. Goldman



Sample section of channel 7 map.

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