

# From The Staff:

WTFDA Headquarters, P.O. Box 97, Calumet City, IL 60409

"TRIMMER" ISSUES...Have you noticed that the most recent VHF-UHF DIGEST issues were a fraction of an inch smaller, as well as a bit lighter, than previous copies? This is the result of some cost-cutting changes made by WTFDA publisher Pete Oprisko, and is designed to save the club up to \$50 per month in printing and postage expenses. The recent postal rate increases have made this necessary. We have also changed printers, and we're now using more economical 16 lb.-weight paper. Our new printer's quality control seems to be excellent, and the most recent copies have looked very sharp and clean. In case you have any problems with your copy, Pete asks you to let him know about it. The new lighter-weight paper has more of a tendency to crease and rip in the high static electricity environments, so if you receive a copy with ripped pages, drop club HQ a line, asking for another one. Your comments are welcome on the newer, lighter VUD issues.

FCC TV NEWS...EASTERN TV DX editor Bill Draeb has volunteered to do the long-absent FCC TV column on a temporary basis. When time permits, he'll try to bring TV DXers up-to-date on the many recent FCC changes. We have been without the column for about a year now, and we plan to announce a new permanent editor soon. One ex-WTFDA member made an offer to take over the column at the convention last summer, but has not rejoined the club. For now, send your TV changes and updates to Bill. Our thanks to Bill for helping out.

TOP VHF DXER HOSPITALIZED...VHF UTILITY DX column editor Pat Dyer has been admitted to a San Antonio hospital with a serious case of pneumonia, so we're without the VHF UTILITY DX section and Pat's other contributions in this issue. Here's wishing Pat a speedy recovery; without his extremely knowledgeable observations of the F2 skip MUFs, we're lost!

COLUMN NEWS...We're very sorry that the PHOTO NEWS column prepared for this month's issue could not be included, due to photo screening delays. Look for it next month...There's no WESTERN TV DX column this month, due to a lack of DX reports...Several VUD column editors have noted a slump in reporting recently. It may be due in part to a lack of good DX conditions at this time of the year, but we know that there are many more active DXers than reporters in the VUD. If you have a case of the winter DX "blahs," shake them off and send in a report. Anything you can contribute will be welcome, no matter how small the report.

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# MAILBOX

John Zondlo  
1802 N. Rockwell,  
Apt. 107  
Bethany, OK 73008  
(405) 787-3717  
Deadline: 5th

### New Members:

William F. Beamer	7050 Jordan Ave., #20	Canoga Park, CA 91303
Harry Flockhart, Jr.	47 Mt. Pleasant Square	Randolph, MA 02368
A. Jerstad	117 Andre Lane	Golden Meadow, LA 70357
Douglas Neiferd	Box 398	AFO New York, NY 09011
	Det 2, 1141 USAF SAS	

### Renewals:

John Buehler, Saul Chernos, Bob Cooper, Neil Grandjean, William Higgs, Harold Lane, Rod Luoma, Deane McIntyre, Michael McNeely, Frank Merrill, Paul Mitschler, Dave Pomeroy, Mike Reid, Robert Schweitzer, Paul Traska, Frank Wheeler.

### Address Changes:

Bob Cooper-P.O. Box 8409-Bialeah, FL 33012  
Frank Hostetler-P.O. Box 71-Colerain, OH 43916  
Joseph Markewicz-233 Markewicz J.A.-SMO, CFB Esquimalt-Victoria, BC V0S 1B0  
David Newkirk-2115 N. 87th St.-Seattle, WA 98103

### Renewals Due in April:

Earl Albin, Robert Baker, Philip Boetsma, Roger Portree, Ed Brindle, Marvin Carlson, Ernie Cooper, Richard Eddie, Eric Fader, William Feidt, Jerry Franklin, Gray Fulk, Barry Gardner, Les Goins, William Grant, Ken Greenberg, Michel Guzzi, Ron Hammer, Harry Hayes, Robert Heckenlively, Bob Hempel, James Herkimer, Hank Holbrook, Dennis Jarrett, William Johnson, Ron LeElanc, Mark Lewis, Alfred Naefken, A. Robert Pantazes, Les Prus, Richard Sieglar, Robert Uhell, Lee Vulgamott, William Welch.

We start the new member intros this month with HARRY FLOCKHART. He's into SW, PCB, and FM-TV DX, and belongs to NRC and NNRC.

A. JERSTAD is a science instructor into FM-TV DXing. His gear includes a 4E669 VHF-UHF-FM antenna, a Winegard preamp, low loss cable, and a complete distribution system mounted on a 50' tower with a rotor.

As you might note by the address, DOUGLAS NEIFERD is stationed overseas. He's an intelligence officer with the Air Force, living in Eyselshoven, Netherlands, near Aachen, West Germany. DX equipment includes a Zenith Transoceanic and a Panasonic RF-2600. He has a 3rd class radiotelephone license, and is working on his 1st.

### Tidbits.....

We lead off this month with this from Don Erickson: "The 15th edition of the North American Radio-TV Station Guide ("Vane Jones Log") is scheduled to be released shortly and will retail for \$7.95 at many electronics stores and some book dealers. Orders will be taken from members only of IRCA, GWDXA, NRC, and WTFDA, at \$6.50 including UPS or book rate shipping. Any number of additional copies to the same address at the same time are \$5 each. Add \$1 per order (not per book) for first class mail. Deadline for orders is April 1, 1981, but shipment will start as soon as orders are received and the books arrive. WRTVH 1981 is now in stock at \$17 first class mail only. Both items first class mail, \$22. Send check or money order (International Money Order only in Canada) payable to: Donald Erickson, 6059 Essex St., Riverside, CA 92504. 714-687-5910 anytime."

Fred McCormack passes along news about an Italian DXer interested in trading station stickers. If you'd be interested in trading, write Fabrizio Floridi, V. le G. di Leontini 260, 00124 Rome, Italy. I also received some stickers from him, and can assure you that he has some good ones.

Be sure to start making plans to attend the WTFDA Convention right here in good ol' OKC July 31, August 1 and 2. More details on the convention will appear in upcoming issues of the VUD. Come see why Oklahoma is one of the top, if not the top, TV-FM DX states in the country.

See y'all in April.....73.....jz 3

# FCC FM NEWS

Bruce F. Elving, Ph.D., Editor  
4515 Avenue "E"  
Kearney NE 68847

"FM station news contributions  
always welcome."

## New Stations, Translators Granted

AZ Eloy 106.3 3000 h.v.; 300'  
AZ Winslow 95.1 6700 h.v.; 102'; m  
AR Caulksville (35-18-06; 93-45-40) 95.3 680  
h.v.; 570 feet above average terrain, kr  
AR Greenwood 106.3 2200 h.v.; 330'; rock  
CA Delhi 95.9 3000 h.v.; 300'; rock  
CO Cortez 98.7 27000 h.v.; 2900'  
CO Mesa K288BR 105.5 stereo, rock (KQIX  
93.3 Grand Junction CO translator), 10 watts  
with transmitter 7 mi SW of Mesa, omni.  
CO Silverton 103.9 2230 h.v. minus 2030', m  
CT Danbury \*88.5 10 watts h.v.; Community R.  
FL Starke \*88.3 4500 h.v.; 140 feet  
GA Hinesville 92.1 3000 h.v.; 300'  
IL Ava 103.9 3000 h.v.; 300'  
IA Ida Grove 92.7 3000 h.v.; 300'  
MN Babbitt K288BS 105.5 \$, r (WEVE-FM 100.1  
Eveleth MN translator), Y  
MN Ely K288BT \$, r (WEVE-FM), Y [105.5]  
MT Helena K214AE \*90.7 \$ c; (KUFM \*89.1  
Missoula MT translator), P  
MT Sidney 95.1 10000 h.v.; 340'  
NE McCook 103.1 3000 h.v.; 160'; rock  
OK Andarko 103.7 7500 h.v.; 280'  
TX C. nylon 107.1 3000 h.v.; 300'; m  
TX Monahans 102.1 10000 h.v.; 705'; k  
TX Raymondville 101.7 3000 h.v.; 140'  
WI Washburn \*90.5 250, 150'; Schools  
NB Fredericton 97.5 250, 150, U of NB Student Union  
ON Nipigon 97.3 2000; CBC relay of CBON-  
98.1, French. 98.9 2000 - CBQ (AM)  
Thunder Bay relay, English. Let's make it  
to Thunder Bay for ANARC '81! [relay]  
PQ Camp LG-3 99.5 950; CKAC (AM) Montreal/  
PQ C. p. aux Meules [Îles de la Madeleine] 92.7  
6300 watts  
PQ Gagnon (140 mi NW Sept Îles) 104.1 50 w.  
PQ Sherbrooke 92.1 4000 - CBM AM relay--  
ON THE AIR!

## Formats/Networks

CA Marysville KRFD 99.9 rp, T, "K-100."  
CO Colorado Springs KKCS-FM 101.9 k  
CO Denver KYGO 98.5 k  
CO Fort Collins KCSU \*90.9 cj  
CO Longmont KCDC \*90.7 rm  
KLMO-FM 104.3 k  
CT Hartford WMCC-FM 106.9 T [107']  
GA Rockmart WZOT 107.1 k (was gk), "Stereo-  
IL Elmwood Park WXFM 105.9 jm  
IL Mount Vernon WMIX-FM 94.1 k (was m); one  
of WMIX-FM's former listeners is buying an  
SCA radio from me to be able to continue  
listening to m music from a local station  
instead of their new country format; they  
have m on their SCA.)  
IL Springfield WNSN 98.7 sr (not dr), \$  
KY Henderson WHKC 103.1 T  
MD Bethesda WJMD 94.7 ("adult contemporary")  
MI Detroit WQRS 105.1 now all c, dropping e,  
as did 97.9 when 97.9 became WJLB and soul.  
Now nonIDs as "Timeless 105."  
WWWV 106.7 k (from rp)  
MI Grand Rapids WGRD-FM 97.9 Y (was U)  
MT Billings KIDX 98.5 T  
NE Lincoln KBHL 95.3 Mutual; no nonID  
NV Las Vegas KFMS 101.9 k  
NJ Mahwah WRPR \*90.3 rp  
NY New York WXLN 98.7 rs  
OH Logan WXLN 98.7 rs

OK Broken Arrow KMYO 92.1 rock, l  
OK Claremore KNGX \*91.3 m  
OK Oklahoma City KZUE 102.7 A (but  
infrequent)  
OK Pryor KMYZ-FM 104.5 k, "K-104." \$?  
PA Philadelphia WFLL-FM 95.7 S  
WWDB 96.5 N  
PA Stroudsburg WVPO-FM 93.5 rp  
PA Williamsport WKSB 102.7 E (from N)  
TX San Antonio KISS 99.5 T  
VA Norfolk WXRI 105.3 m (from g)  
WA Aberdeen KDUX 104.7 N

## Facilities' Changes

AZ Glendale KXTC 92.3 880' (100000 h.v.)  
CA Cupertino KKUP \*91.5 42 h.v.; 2270'  
CA Pasadena KPCC \*89.3 30000 h.v.; 670'  
CO Grand Junction KMSA \*91.3 500 h.v.; 380'  
IL Marion WDDD 107.3 20000 h.v.; 720'  
IL Watseka WGFA-FM 94.1 9000 h.v.; 370'  
KS Lawrence KJHK \*90.7 100 h.v.; 275'  
KS Manhattan KSDB \*88.1 105 h.v.; 38'  
MI Auburn Heights WAHS \*89.5 1000 h.v.; 140'  
NE Kearney KOVF, V-91, \*91.3 1000 h.v.; 120'  
NE Lincoln KLIN-FM 107.3 550' (100000 h.v.)  
NV Reno KOZZ 105.7 75000 h.v.; 2180' (1670')  
NJ Newark WVNJ-FM 100.3 28000 h., 27000v/  
OR Salem KSKD 105.1 Dolby [000 h.v.]  
SD Sioux Falls KNWC-FM \*96.5 1600' (100,-  
TX Dumas KMRE 95.3 3000 h (260')  
TX Jasper KTXJ-FM 102.3 3000 h.v.; 300'  
VT Colchester WWPV \*88.7 10000 (h); 99'  
WA Pullman KZUU \*90.7 420 h.v.; 105'  
WA Tacoma KRPM-FM 106.1 10000 h.v. (700')  
WI Wausau W261AG 100.1 (from W288A  
105.5)

BC Cranbrook CBRR-FM 101.3 210 watts  
NB Boisotown grant was for 90.9, not 92.3  
NS Bay St. Lawrence 90.1, not 91.9  
ON Toronto CJRT \*91.1 40000 h.v.; on CN  
tower, but new height not announced  
PQ Chapeau grants was for 93.5 150 w,  
broadcaster of Fort Coulonge 101.7--  
not for the CBOF-AM broadcaster on  
88.7  
PQ Rapides des Joachims (new) frequency  
was missing from earlier VUD--94.3.

## Off The Air

WV Houghton WGGL. License transfer to  
MN Public Radio pending. Went off Dec.  
14, 1980, "with all employees terminated  
as of December 31, 1980, with exception  
of the engineer, Jim Lineau."

## Deletions

NE Omaha KEFM 96.1 (application returns  
to pending file; was an interim operation.  
Station lost its original tower atop an  
apartment building--building owners  
then evicted the station). [completed].

PQ Lac Boyd CHLG-FM-3; site construction/  
Call Letters

AR Stamps 100.1 KQIT-FM  
CA Hayward \*89.9 KCRH [rock, stereo,  
CA Palm Springs 100.9 KPFI-FM, "PSI-101,"/  
CA S. Lake Tahoe 100.1 KZFR (KTHO-FM),  
CA Walnut Grove \*100.5 KCEQ  
FL St. Petersburg 107.3 WWBA (WWBA-FM)  
GA Macon 107.9 WPEZ (WCRY-FM)  
KS Goodland 102.5 KGKS-FM  
LA Benton 92.1 KDKS  
LA New Orleans 101.9 WAJY (WWL-FM)

MD Ocean City 104.7 WQHD (WBDC-FM)  
MS Columbus \*88.5 WMUW  
MO Sullivan 100.9 KTUI-FM  
NM Tucumcari 92.7 KOAY-FM (KTNN-FM)  
NY Ogdensburg 92.7 WPAC  
OK Frederick 95.3 KQFO  
OK Vinita 95.9 KITO  
PA Altoona 101.1 WPRR (WVAM-FM)  
PA Central City 101.7 WWZE (WCCS); stereo?  
TX Brownwood 99.3 KPSC  
TX Corpus Christi 99.1 KBCC  
TX Victoria 95.1 KVIC (KCWM)  
VA Hampton 101.3 WWDE-FM (WWDE-FM)  
WA Yakima 98.3 KRCE (KYBO)  
WV Ripley 98.3 WCFE  
WV Wheeling 107.5 WANJ (WTRF)  
NB Thompson 100.9 CBWK-FM  
NB Campbellton 88.9 CBAF-23 (to operate  
for the first six months on 91.5)  
NB Neguac 97.9 CBAF-22 (to operate the first  
six months on 105.7)  
PO Thetford Mines 91.7 CBMC-FM

## Slogans, NonIDs

GA Rome WQTU 102.3 Q-2 [strict]  
IL Springfield WFMB 104.5 Country-105 (not /  
NY New York WNYU \*89.1 89-U, "89-nyu")  
NY Poughkeepsie WSPK 104.7 K-104  
OH Oxford WDXV 97.7 97-X, rock, Stereo  
OR Portland KCRN 97.1 "The FM Center"  
PA Wilkes-Barre WKRZ-FM 98.5 KRZ (strict)  
VA Woodbridge WVKX 105.9 Kix-Country  
Multi-City Identifications Granted  
FL Fort Pierce WIZD 98.7 adds Stuart, Vero,  
Palm Beach FL  
FL St. Petersburg WWBA 107.3 adds Tampa FL  
MI Ishpeming WJPD-FM 92.3 adds Marquette  
NJ Camden WKDN-FM 106.3 adds Philadelphia  
PA. [Dallas TX.  
TX Denton KDNT-FM 106.1, D-106, adds /

## SCA (67 khz), FM subcarriers:

AR Augusta KASK-FM 97.7 adds SCA  
AR Little Rock KLRE \*90.5 adds SCA  
CO Pueblo KYNR 99.9 adds SCA  
GA Gainesville WFOX 97.1 drops SCA  
GA Savannah WEAS-FM 93.1 adds SCA  
IL Beardstown WRMS-FM 94.3 adds SCA  
MD Catonsville WKTK 105.7 no more SCA;  
main channel l ("adult contemporary")  
NE Aurora KIAE 103.1 music, Magnetrons,  
off satellite; nonID at times, "Key-103"  
NE Nebraska City KNCY-FM 97.7 no SCA  
TN Lebanon WUSW 107.3 adds SCA  
WA East Wenatchee KTRW 97.7 adds SCA

## On air with Stereo (\$)

IA Osage KOSG 92.7  
MN East Grand Forks KRAD-FM 103.9, k,  
"Double R Country," referring to AM-FM  
duplication.  
MN Hibbing WKKQ-FM 93.9, k, S, "Super-Q."  
and "FM-94," 24 hours, a no. MN powerhouse.  
MS Baldwin WESE 95.9, m  
ND Bottineau KBTO 101.9 (not 105.9), k, CBS  
PA Swarthmore WSRN \*91.5  
WI Rice Lake WAQE-FM (not WAQE) 97.7, r,  
U, 24 hours, said to have an excellent signal,  
comparable to that of 100 kW WJMC-FM 96.3.  
PQ Chateaugay CHAI 101.9 (not 102.9), \$, m  
Abbreviations used this column  
\$ stereo; h horizontal, v vertical. Musics: c classical,  
d disco, e ethnic, g gospel, j jazz, k country,  
m middle of the road, p progressive rock, r rock,  
s soul. Networks: A ABC-FM, C Columbia, E

## FCC-FM

ABC Entertainment; I ABC Information, M Mutual; N National Broadcasting Company; P National Public Radio; R RKO Radio Network (R means "Radio," as in a corporate name identification); S Associated Press Audio; T is NBC's The Source; U United Press Audio; Y ABC Contemporary. \* is a noncommercial educational or religious station.

Contributors last month: P. Boersma, Spring Lake MI; Danny Buntin, Stillwater OK; Saul Chernos, Toronto, Ont.; William O. Dickerman, Williamsport PA; John Ebeling, Bloomington MN; Eric Fader, Philadelphia PA; Charles George, Dallas TX; John Gregory, South Glens Falls NY; Joel Hermann, Storm Lake IA; John M. Jefferson, Pleasanton CA; Frank LaBelle, Verdun PQ; Nick Lombardi, Atlanta GA; George Mileon, Lynn MA; Greg Monti, Silver Spring MD; R. J. O'Connor, South Portland ME; R. H. Perrin, Wells ME; Ken Simon, Lake Worth FL; Ralph Strobel, Muncie IN.

## READER'S REPORTS AND COMMENTS

WDET \*101.9 Detroit and WABX 99.5 also Detroit said to be negotiating a frequency swap, whereby WABX would acquire WDET's superior facilities, and WDET would get WABX's lower-powered 99.5, along with an undisclosed sum of money. WDET said to need the bucks and WABX could use the higher power, as its 99.5 signal breaks up in downtown Detroit on car radios. Compare the coverages in your FM Atlas! WUOM \*91.7 and WVGR \*104.1 Ann Arbor and Grand Rapids cut operating hours from 0530-0130 back to 0530-2330 due to MI's financial problems. A new locally-programmed public FM station has been applied for in western lower MI, \*90.3 Twin Lakes, transmitter in Hesperia MI.

Atlanta's Nick Lombardi muses on the subject of FM translators: "I am opposed to the whole concept of translators and 10-watt stations. What good is a weak, ultra-low powered transmitter that serves only a small and insignificant geographical area? I think translators should be allowed only as on-channel boosters, and then only to clear up special problems within a station's primary coverage area. When used for anything other than this purpose, they do nothing but add confusion and clutter to the already-crowded airwaves. I am sure the population of Atlanta can hardly wait for the Chattanooga weather forecast!" [from the new FM translators of WMBW \*88.9].

I just received an "FM Translator Facts" booklet from the Teppo Corp., Rapid City SD, which markets the Robert A. Jones translator. This book points out that three years ago there were 87 FM translators on the air; now there are 205, or one for every 19 stations. "If this ratio keeps its trend, we'll have more translators than FM stations." You can buy a 1-watt translator for \$2,035, or a 10-watt for \$2,145, or a 10-watt translator with local modulation module so you can play your own commercials for \$2,585. A common DX-type yagi or FM turnstile will suffice for an antenna. I see the trend toward translators being inexorable, with 10,000 or so in the next few years. I think it is an area in which DXers could get involved, setting up low-power devices to satisfy needs unmet by other area stations and using these as targets for themselves and their friends to aim for in their own DXing. I expect further, that the FM translator rules will be liberalised to allow local programming (besides 30" of commercials per hour), just as the TV translator rules have become less stringent; and there are already more TV translators than TV stations, so why not in FM? AM radio is obsolete now, and will be extinct by the year 2000, so broadcasters better do what they can now to maximize FM station coverage.

Maryland's Nick Lemonakis has a Panasonic RF-549, modified with SCA, and finds the SCA interesting. That radio is no longer being made, but I have one of the successor model RF-560 with SCA for \$38 plus \$2 shipping, and a free SCA catalog.

The FCC decided not to do anything with a proposed rulemaking to allow transmission of inaudible identification information in FM and TV signals. WMIL 106.1 Waukesha WI, still off the air, applied to move its tower closer to Milwaukee, but WXFM 105.9 Elmwood Park IL protested. The FCC has told WMIL to try to avoid a hearing by finding a site away from Milwaukee. In other FCC news, TV channels 5 and 6 and FM frequencies from 98 to 108 MHz may be reallocated to broadcast use in Hawaii. The Hawaiian Telephone Company had those bands for inter-island communications, but has shut down those transmitters. Perhaps in time 88-98

will be opened in Alaska, making way for more radio stations in that other former territory.

Muzak is said to be available, effective Jan. 1, 1981, as both an easy-listening and a more raucous "tones" format, but I have yet to hear any SCA stations with the new music. Perhaps, if this catches on, more FM stations will opt for music when they add an SCA, reversing a trend.

WIXO 105.7 McComb MS continues its off-the-air ways, and local AM station WAKK objected to the FCC granting them an extension to build and a license transfer. The FCC decided the church is having financial difficulties, and should be allowed to sell the station, which has yet to come on the air.

John Jefferson who lives in the home of KKHI-FM's booster (from San Francisco), KKHI-FM2, Pleasanton CA, said it is off the air because of his complaint that it sounded inferior to the primary and with an insidious hiss. "It also failed to turn off with their primary. Both problems may be due to KSNAN-1's spur on 95.6, since the two boosters are only 10 feet apart." Local KSNAN on 94.9 is trying to clean up problems with its booster, appearing many places on the FM dial.

From Texas, Charles George reports that his FM SuperSnooper, when used with my TV unscreambles the audio and sometimes the video of KUBN-TV, channel 33." This is a use not expected of the FM S-S, designed for decoding FM-SCA only. Only six FM S-S's are available before production ceases on this item permanently.

The CRTX writes me saying they will bring to the Commission's attention my comments regarding the need for all Canada FM stations and repeaters to individually identify. This is part of their look into the future of FM broadcasting in Canada.

The new Consumer Reports article on FM antennas is out (Feb., '81), giving top billing to the Channel Master, and alluding to FM DXing, without calling it that. WEEM \*91.7 Pendleton IN on with its new 1200 h.v.; 155', and stereo, as is WAJC \*104.5 Indianapolis. WZWW Kokomo on with new antenna, but still on 93.5, not on 92.7, to which they are moving.

WMQT 107.1 Ishpeming MI now afternoons hard rock, experimentally, with "Marques Marquette Super Jock," but apparently easy-listening at all other times. WUUN there counters with an ad, "better sound, all new facilities," etc. [100.1], whatever that means.

Richard Wood mentions that a man gave him an 80', heavy-duty Rohn tower worth \$1000--what luck! The BBC [England] is experimenting with 57 khz (not 67 khz) for program identification--an idea the FCC just discarded. The Jan.-Feb. issues of Radio-Electronics included how-to articles on building STV decoders.

KUSD-FM \*89.7 Vermillion SD heard signing off with its daytime AMer. They wrote back saying this does not violate their CPB grant, as it is only the AM that is qualified, and they went off early a few times in December because of staff personnel shortages.

Space does not permit a listing of this month's contributors, but they will be listed next month. 73!

# FCC TV NEWS

FCC-TV News

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

March 1981

I was to the local library here in town last week in the interest of finding some up to date FCC information (TV). They didn't have what I wanted but they got me a few issues of "Broadcasting" magazine from Green Bay. Here's the TV info that I got out of them:

## UHF translator applications:

LA Lake Charles ch.63 100w  
325' aat to rebroadcast indirectly (WJAN-17).

The following were applied for by Neighborhood TV Co. and will rebroadcast via satellite KUSK(TV) Prescott, AZ:

AL Mobile ch.55 100w 543'  
CA San Jose ch.18 100w 190'  
CT Bridgeport ch.26 -- --  
FL Ft. Lauderdale ch.67 100w 1042'  
FL St. Petersburg ch.66 100w 300'  
IN Indianapolis ch.36 100w 995'  
IN South Bend ch.58 100w 312'  
IA Des Moines ch.53 100w 400'  
MA Springfield-Holyoke ch.63 100w 350'  
MI Flint ch.44 100w 256'  
NE Omaha ch.61 100w 469'  
NM Albuquerque ch.57 100w 143'  
OH Columbus ch.62 100w 1124'  
OH Dayton ch.56 100w 200'  
OH Youngstown ch.39 100w 1432'  
OK Tulsa ch.65 100w 469'  
PA Allentown ch.14 100w 250'  
SC Columbia ch.63 100w 199'  
VA Newport News ch.43 100w 500'  
VA Richmond ch.41 100w 565'  
WA Tacoma ch.45 100w 450'

## Other UHF xltr applications:

CA San Diego ch.63 100w 480'  
GA Augusta ch.69 1000w 600' on WRDW tower.  
WA Orchards ch.69 100w 33'

## VHF xltr applications:

CO Hedstone ch.7 10w 35' (AUDA)  
MT Bozeman ch.9 1w 25' (KULR)  
CA San Francisco ch.12 10w 40'  
DC Washington ch.12 10w 68'

## TV applications:

MI Iron Mountain ch.8 70kw 700' aat  
OK Lawton ch.45 1600kw 189'  
WV Bluefield ch.40 1110kw 2504'  
FL Orange Park ch.25 2061kw 496'  
LA Lake Charles ch.29 - - - - -  
ND Dickinson ch.9 265.5kw 806' educ.  
PR Arecibo ch.54 1.2kw -219'  
PR San Juan ch.24 438.4kw 1161'  
TX Irving ch.49 1277kw 695'  
TX Tyler ch.14 839kw 1124'  
WA Bellingham ch.34 1230kw 2376'  
ID Nampa ch.12 166kw 2720', xmttr on Deer Point Peak 10.75mi. NNE of Boise  
WI Tomah ch.43 945kw 660'

## More UHF xltr information: (application)

NY Plainview and Hicksville ch.59  
W59AT (WVIA-44)

## New call letter grants and changes:

KIPA to Louisiana Educ. TV Authority, Alexandria, LA.  
WPMI to Hess Broadcasting Corp., Mobile, AL.  
WRHT-31 Ann Arbor, MI wants WIIT  
WMUL-33 Huntington, WVa wants WPHY

## Allocation changes, etc.:

CA Barstow---Victorville TV Inc. requests amendment TV table of assignments to assign ch.64 to Barstow - Victorville, CA.  
MT Anaconda, Butte and Bozeman----- Broadcast Bureau reassigned VHF TV ch.7 from Butte to Bozeman, substituted VHF ch.2 for VHF ch.7 in Butte, and reserved channel for non-commercial educational television use, and deleted deleted VHF ch.2 from Anaconda effective Jan.2.

This is all the useful information I could get out of the three issues of "Broadcasting" that I got from the library. Two of them were from Dec. and one was from Jan. There is still a few holes in the information I got here. For instance, where is KUSK(TV) or on what channels are KIPA and WPMI? I'll try to solve some of those mysteries in the coming months depending on how the local library co-operates.--wd.

## FCC-TV News

March 1981

I got some more "Broadcasting" magazines from the library (through last November. Here's the TV info I obtained from them:

## TV applications:

FL Tallahassee ch.40 660kw 820' aat  
" " " 3847kw 402'  
" " " 19.84kw 565'  
MI Saginaw ch.49 1000kw 1023'  
NC Burlington ch.16 209.4kw 506'  
OK Oklahoma City ch.52 820kw 340'  
TX Sherman ch.20 5000kw 1018'  
WA Everett ch.16 5000kw 1275' (Ch. 16 Inc.)  
5000kw 1275'  
(Unity Broadcasting Co. Inc.)  
5000kw 1305'  
(FNI Communications Inc.)  
AK Anchorage ch.4 42.5kw -17'  
PR San Juan ch.18 4384kw 1159'  
TN Knoxville ch.43 646kw 1154'

## CP grants, changes, etc.:

LA New Orleans ch.20 2450kw 1020'  
IL Peoria---WRAU-19 to change erp to 1620kw at 640' and change antenna.  
TX Houston KRIV-26 to change to 1410kw at 1950'.  
IL East St. Louis----proposed assigning ch.46 to that city for non-commercial educ. use.  
TX Victoria---proposed assigning ch.31 to that city as its third TV assignment.  
OH Toledo WGTB-30 to change to 1000kw and 1050'  
TX Temple KCEN-6 to decrease aural erp to 10kw; change xmttr location to 2.4 mi. SE of Lddy, TX and ant to 1866'.  
CA Oroville---change TV assignment table to assign ch.28 to that city..  
AZ Sierra Vista--- assign ch.58 to that city.  
WI Milwaukee---Wisconsin Voice of Christian Youth granted ch.30 550kw(directional) at 960'.  
MI Manistee---Grand Valley State Colleges denied request to put ch.21 on air.  
GA Augusta WATU-26 wants CP to change erp to 933kw and ant to 1590'.

## Translator applications:

The following are applied for by Neighborhood TV Co. to rebroadcast indirectly KUSK(TV) Prescott, AZ

AZ Phoenix ch.55 100w 115'  
CO Denver ch.60 100w 90'  
KY Louisville ch.66 100w 130'  
LA New Orleans ch.55 100w 423'  
MN Minneapolis ch.58 100w 55'  
MO Kansas City ch.29 100w 440'

MO St. Louis ch.56 100w 484'  
OR Portland ch.59 100w 247'  
TX Houston ch.61 100w 609'  
VA Norfolk ch.65 100w 1027'  
WI Milwaukee ch.58 100w 587.6'

## Other xltr applications:

AL Birmingham ch.51 1000w 600'  
AL Mobile ch.67 1000w 600'  
CA Garden Grove ch.66 100w 25'  
CA Inyokern ch.43 100w 60' (KTVN-2)  
CA San Rafael ch.22 1000w 40'  
CA Santa Monica ch.26 100w 65'  
CO Denver ch.67 1000w 440'  
CT Stamford ch.38 100w 401'  
FL Jacksonville ch.69 1000w 600'  
FL Tampa ch.66 1000w 483'  
GA Atlanta ch.63 1000w 600'  
IL De Kalb ch.69 100w 200' (KTVN-2)  
LA Baton Rouge ch.67 1000w 600'  
LA New Orleans ch.69 1000w 600'  
DC Washington ch.42 1000w 282'  
MA Vineyard Haven ch.79 1000w 190'  
MN Minneapolis ch.69 1000w 838'  
MS Jackson ch.69 1000w 600'  
MO Kansas City ch.32 100w 500' (KTVN)  
MO St. Louis ch.67 1000w 257'  
MT Billings ch.5 10w 536'  
NY Brooklyn ch.19 1000w 545'  
NC Gastonia ch.66 100w 80' (KTVN-2)  
NC Greensboro ch.67 1000w 600'  
NC Raleigh ch.60 100w 206' (KTVN-2)  
PA Hazelton ch.14 1000w 190'  
OR Portland ch.65 100w 189' (KTVN-2)  
PA Hazelton ch.26 1000w 199'  
PA Wilkes-Barre ch.67 1000w 190'  
SC Columbia ch.67 1000w 600'  
TN Cookeville ch.7 10w 100'  
TN Greenville ch.3 10w 100'  
TN Knoxville ch.8 100w 320'  
TN Memphis ch.69 1000w 600'  
TN Memphis ch.61 100w 500' (KTVN-2)  
TN Morristown ch.4 10w 20'  
TN Nashville ch.69 1000w 600'  
TN Newport ch.3 10w 100'  
TX Dallas ch.66 1000w 327'  
TX Ft. Worth ch.65 1000w 254'  
TX Houston ch.67 1000w 480'  
TX Houston ch.69 1000w 600'  
VA Norfolk ch.65 1000w 600'  
DC Washington ch.42 1000w 165'  
WA Seattle ch.66 1000w 565'

## Translator grants:

AZ Tucson K27AD 1000w 50' (KZAZ)  
OK Fredrick K56BQ 100w 215' (KWET)  
OR Ukiah K38AM 20w 15' (IPTV)  
UT Orangeville K62EL 100w 18' (KMTU)  
CA Bakersfield K55CN (KTVN)  
ID Hagerman K57CC (KRWV)  
ID St. Maries & Rose Lake K69CN (KUID)

IN Muncie W32AC (WJAN)  
NE Lund & Preston K49AM (KLVX)

Translator Grants:

NM Gallina K63BU (KNME)  
 NM Gallina K65CF (KOAT)  
 OH Dayton W66AQ (WBTV)  
 OR Salem W61AL (WJAN)  
 TX Miami K55CQ (KETA)  
 TX Victoria K55CP (KWEX)  
 UT Parowan, Summit & Enoch  
 K42AF (KSTU)  
 WA Ashford Elbe Mineral  
 K50AJ (KSTW)  
 K56BN (KIRO)  
 K56CI (KTPS)  
 WA Cashmere K49AE (KCTS)  
 K49AL (KWSU)  
 WA Malott K67CH (KTPS)  
 WA Vancouver W32AC(ch.61);  
 (WJAN)  
 CO Rural Jackson Cty. SW  
 K3FT (KMGH)  
 K1LPZ(KBTV)  
 K13RB(KOA)  
 CO Walden K12MK (ABTV)  
 MT Ophelm K13KE (KUMV)  
 OR Arosk K9PQ (KIVI)  
 K13RF (KBCI)  
 SC Sumter W8BS (WLTX)  
 SC Newberry W8BT (WLTX)  
 UT East Price K5GX (KSL)  
 UT Kanarraville K6KO 10w  
 25' (KSTU)  
 UT Modena & Beryl Jct.  
 K9PY 10w 40' (KSTU)  
 WY Lander K4KD (KTWO)  
 CA Palo Alto & Mountain  
 View K56BR 1000w 264'  
 (KNTV)  
 CO Ouray K64BL 100w 21'  
 (KTSC)  
 FL Okeechobee K61BW 100w  
 315' (WTOG)  
 NV Railroad Valley K49AN  
 100w 30' (KLTX)  
 NM Albuquerque K48AM 1000w  
 112.9' (KMEX & KWEX)  
 NM Alamogordo K65CG 100w  
 60' (KGGM)  
 NM Carrizozo et. al. K57CF  
 100w 38' (KGGM)

WTAR-3 wants WTKR  
 KMUV-TV Sacramento wants KRBB-TV  
 WSFP-TV Board of Regents of Florida,  
 University of S. Florida,  
 Ft. Meyers, FL

Call letter grants:

KHAI-TV Sunset Communications Corp.  
 Honolulu, HI  
 KMMO-9 now KTPX  
 WCTR 66 Corp., Marlborough, MA  
 WGGN Christian Faith Broadcast Inc.  
 Sandusky, OH  
 WRHP Neighborhood Communications  
 Corp. Richmond, VA  
 WKME UHC Management Services Corp.  
 Seaford, DE  
 KEON Channel 20 Inc., Houston, TX  
 WMSY Blue Ridge ETV Assn., Marion,  
 VA.  
 KNAN West Monroe, LA  
 KCKA Tacoma School District No. 10  
 Centralia, WA  
 WKNA Southern Broadcasting Corp.  
 Melbourne, FL

Looks like that's all the info I have  
 for now. This info goes back through  
 last November. Next month I'll see  
 if I can get some info through Oct.  
 as well as some more recent info.--wd

**TULSA TV**  
**41**  
**KGCT**



**KHQA-TV7** HANNIBAL QUINCY



**WGR-TV 2**



New Grants to existing stations:

TN Crossville---WCPT-55 requests  
 change in erp to 2818kw and ant.  
 to 2772'(to Buffalo Mountain).  
 NC Asheville---WUNF-33 requests  
 change in erp to 1472kw.

Call letter applications:

WCMJ Miami STV Inc. Miami, FL  
 WAVq Hess Broadcasting Corp.  
 Mobile, AL  
 WKNA Southern Broadcasting Corp.  
 Melbourne, FL  
 WDDD Marion, IL  
 WWAC Atlantic City, NJ  
 WRWX CEN Richmond, VA

**SOUTHERN FM DX**

Danny Buntin, editor  
 1312 N. Skyline  
 Stillwater, OK 74074

March, 1981

DEADLINE: 10th

For FM DX reporters from AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, MS, NC, NM, NV, OK,  
 SC, TN, TX, UT, VA, & WV.

NATURALLY, VERY LITTLE DX REPORTED THIS MONTH

WUSF FOUL-UP DESCRIBED

Rick Samford, 404 S. McNeill, Burnet, TX 78611 - Jan. 7 to Feb. 5 CST  
 Equip.: Kenwood KR-5400 rx & Archer 10-el. FM at 24 ft. w/rotor; Realistic 12-665 AM/FM  
 portable w/whip.

1/26 tr (may have caught opening too late)	1/28 tr
0815 WJAY 101.9 LA New Orleans, ex-WWL,	2259 KVIC 95.1 TX Victoria, ex-KCWM, live r
"FM-102" still m	as opposed to KZEU's automated, no rx net.
0831 WPCS 89.3 FL Pensacola, taped wx from	1/29 tr
Pensacola NWS; g "Back to the Bible"	0614 WQMV 98.7 MS Vicksburg, r, "Q-99-FM"

I am still waiting for the big winter tropo session, that this region usually has, to  
 develop. Actually, January was more pleasant than normal(that is, no temperatures as low as  
 the teens were observed here)but the warming trends were too short-lived and there was no  
 80+ degrees with them, so nothing abnormal enough to set off anything great.

Mike Dalton, 1840 Drew, Clearwater, FL 33515

On Jan. 23, 1981 on or about the hour of 7 pm(or earlier)and up until about 9:30 pm,  
 our local university station, WUSF of Tampa, FL, was broadcasting on parasitic frequencies  
 to their normal carrier of 89.7 MHz. This was apparently the result of mistuning of their  
 transmitter. During the cited times a whole array of spurious frequencies were broadcast.  
 Signals were logged on a Revox B760 digital tuner capable of 25 kHz resolution. These  
 frequencies were:

87.100	88.000(strong)	89.700(WUSF)	90.950	91.850
87.125	88.025	90.125	91.000	
87.225	88.850	90.350	91.500	
87.525	88.875	90.550(strong)	91.625	
87.855	89.275(strong)	90.625(strong)	91.800	

At approximately 9:30 pm, the station issued its regular ID. Then with no notice the  
 station left the air. At 9:33 pm it returned to the air later more properly tuned. After  
 thattime only the regular signal was receivable. The station was playing symphonic music  
 prior to the station ID. Any listener who heard strange signals at the low end of the band  
 that evening may have received a WUSF parasitic frequency. I hope someone benefits from  
 this. As you may guess, I have now logged several new receptions owing the misengineering  
 at WUSF which is frequent!

By the way, I found out why my DX is so bad. Some roofers apparently cut our coax  
 feed line last summer. It has been deteriorating since then. I just got the system working  
 again and hope to get some decent tropo and Es this summer. Due to business/work schedule,  
 I haven't had too much time for FM activities. Hope to have some time in '81. Still  
 haven't had luck with my "Greek" station. Best regards.

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74074

No DX worth mentioning heard here since mid-November. Now,as this is being prepared,  
 conditions are about as bad as possible with a near blizzard in progress, a wind chill of  
 25 below zero, and my antenna rotor motor is frozen stuck.

Of interest to TV DXers...KTBO-14, Oklahoma City and KGCT-41, Tulsa delayed their first  
 airing, but probably both will be on the air by now, most likely KTBO. KTBO was testing  
 recently with a strong signal noted here from about 47 miles. Perhaps it's stronger than  
 the applied for 790kw, near 600'. KTBO will install a translator in Tulsa.

Tulsa's KGCT-41 will be unconventional, claiming to be the nation's only storefront TV  
 station. This idea is to enable studio operations to be visible from the street and  
 encourage citizen participation. The most innovative portion of KGCT's format will involve  
 7 straight hrs.(noon to 7 pm)of locally produced 30 min. segments ranging from live enter-  
 tainment and talk to news and various informative features. At 7 pm scrambled TV starts.  
 This part of KGCT has applied for 8 translators to be widely scattered in the state. More  
 STV is about the last thing desired here as expensive as it is compared to CATV. But I  
 read STV is not intended to compete with CATV, but hopes to be profitable in rural areas  
 where CATV can't reach. 73

# NORTHERN FM-DX

MARCH 1981

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

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

11/29 tr (from Burnt-River)	12/23 tr		
1420 CBCP 93.5 ON Peterborough, new semi	1105 WGCL 98.5 OH Cleveland	285	
1923 WRRN 92.3 PA Warren	1112 WNCQ 97.5 NY Watertown	160	
1940 WLYT 92.3 OH Cleveland Heights	12/24 tr		
11/29 MS	1500 WCRF 103.3 OH Cleveland	285	
1925 WQUS 92.5 VA Winchester, ad for DC	12/26 tr		
11/30 tr	2200 CJOM 88.7 ON Windsor	280	
0930 WUOM 91.7 MI Ann Arbor	12/27 tr		
1500 WOMC 104.3 MI Detroit	2030 WRUR 88.5 NY Rochester	105	
1505 CJMX 105.3 ON Sudbury, new semi	2031 WIAA 88.3 MI Interlochen	365	
1610 CITE 102.7 PQ Sherbrooke	2031 WAER 88.3 NY Syracuse	175	
1700 CBE 89.9 ON Windsor	12/28 MS		
1705 WNUZ 103.5 MI Detroit	0500 unID 101.1 ?? Sounded like WSLG	???	
12/20 tr	12/28 tr		
1941 WTCM 103.5 MI Traverse City	0430 WPIT 101.5 PA Pittsburgh	300	
1951 WGER 102.5 MI Bay City	1725 WWWW 106.7 MI Detroit	290	
1955 WKAR 90.5 MI East Lansing	1740 WOMC 104.3 MI Detroit	290	
12/21 tr	1820 WNUZ 103.5 MI Detroit	290	
1700 CBE 89.9 ON Windsor	12/29 tr		
1728 WAUS 90.7 MI Berrien Springs	0021 WCGU 97.3 NY Ithaca	195	
2211 WJML 98.9 MI Petoskey	12/31 GW		
12/21 MS	1800 CFMX 103.1 ON Cobourg	45	
1705 WNES 101.9 KY Central City	12/31 MS		
1720 WPAY 104.1 OH Portsmouth	0000 KTJJ 98.5 MO Farmington	795	
12/22 tr	1/16 tr (from Toronto)		
0630 WKGW 104.3 NY Utica	0230 WCCK 103.7 PA Erie	120	
1640 WMHE 92.5 OH Toledo	0235 WMJQ 92.5 NY Rochester	100	
1803 WYFM 102.9 PA Sharon	0240 WBFQ 88.7 NY Buffalo	70	
2100 CIEL 98.5 PQ Longueuil	0300 CKPC 92.1 ON Brantford	60	
2330 WMJC 94.7 MI Birmingham	0400 CKLA 106.1 ON Guelph	40	
12/22 MS	1/17 tr		
1750 WOKV 103.5 OH Hamilton	0300 WZZO 101.3 NY Rochester	100	
2100 KCFQ 98.5 OK Tulsa	0315 WVOR 100.5 NY Rochester	100	
(New underlined)	0430 WXXI 91.5 NY Rochester	100	

Would you believe that on 1/16-17, all eight Toronto stations were off the air. CJRT was being installed in the CN tower, and this is all I could get. I had QRM from Buffalo, NY images, the result of a zero trop level.

I nominate 1980 as year of the local. I labelled all new operations "new semi," only because Burnt-River did not get a station. A xmtr 35 miles away is of local power. Peterborough at 35 miles got 93.5 and 106.3 filled. Nothing as of yet has shown up on 103.9. Cobourg, 10 miles further south of Peterborough got CFMX 103.1 after about 1 1/2 years of absence. Same format (jazz/classical), and terribly incompetent staff. If they last, it will only be due to their jazz...hard to obtain locally except CJRT, CBC. Three new "power-wise" locals! Ugh! MS was nice this reporting period. Es- I missed Nov. and Dec. openings, two of which hit FM at least. Tr wasn't bad. The CITE logging of 11/30 was odd...maybe meteor scatter...no ID. Heard French, so must be them. I was getting that Tr distance to west, which is normal, but this is much rarer to east and 345 miles is my personal Tr record to east. I'm considering changing it to MS. It sort of behaved like it. I heard "WSLG" on 101.1 or 101.3 in a MS. This is all I heard. Calls were fairly distinct. It could always be WFLG or WSLV, but I doubt even that. FM Atlas and Bruce Elving's column updates no help! Aaagh!

+ + + + +

Ralph Strobel, editor  
2510 E. McGalliard Rd.  
Muncie, Indiana 47303  
(317) 288-5815  
Deadline: the 10th

NORTHERN FM DX

MARCH 1981

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

12/8 tr	1/22 tr		
0644 WOKI 100.3 TN Oak Ridge, r	355 0000 WBLK 93.7 NY DeFew-Buffalo	370	
0653 WREKt 91.1 GA Atlanta	510 0000 WNEB 94.5 NY Buffalo, c,	370	
1/1 tr	fund raising		
1136 WKOS 96.3 TN Murfreesboro, r	350 0000 WBen 102.5 NY Buffalo, r	370	
1/22 tr	1/31 GW		
0000 WFXE 92.9 NY Buffalo, r	370 2200 WNNH 98.7 IL Springfield, s	240	

The tropo opening on the morning of December 8 was the strongest I've ever had into the southern states. Unfortunately, I woke up late that morning. Since I had to leave for work at seven, was unable to identify many stations. Incidentally, I had practically snowfree UHF TV signals from Atlanta and Birmingham.

+ + + + +

Andy Bolin - 709 Lincoln - Charleston, IL 61920

For winter, things haven't been all that bad DX wise. Now if I could only get some of my winter projects done. I hope to build a circular polarized antenna to see how it functions with very low powered skip stations. I'd think it would work better than a horizontal only.

12/5 Tr along a warm front brought strong signals @1245-1435 from KNEB 94.7 & KEXL 106.7 both Norfolk NE (495). 12/7 Tr 0000-0300 rain WDJC, WENB & WZZK all Birmingham AL (430). 12/8 Tr after 0000 WSLQ 99.1 Roanoke VA (470). Later, on 12/8 Es 1720-1755 WMCU, WPMI & WWL all Miami FL (1045). 12/12 MS @0231 "...Country WZZK..." is 104.7 Birmingham AL. 1/1 Es from Dallas-Ft. Worth and area @1325-1410 KESS, KSCS, KWJS, KSUC, KERA, KAFM & the MUF was K-ZEW 97.9 (660). 1/21/22 brought 675 mile UHF tropo from E. NY, but FM wasn't so lucky. On 1/21 @2100 CJBC 99.3 London ON (435). On 1/22 0005-0330 drizzle was WBen 102.5 Buffalo NY (540). New were underlined...count'm! A.B.

+ + + + +

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

Had a little bit of activity on the FM band during January, a month which turned out to be mild and snow free. As a matter of fact, we had several record high temp's during the month. Had a 57° reading the other day. Everything is not rosy, however, as we badly need some snow for moisture. The ground is bare, and even up north at the cabin there is not a lot of snow. The warm weather drew me to the cabin for several weekends and, as a result, several tropo loggings were made. In Bloomington, a rare bit of Es first noted as cci on Ch. 2, brought about a few loggings in the lower portion of the FM band. The Es was very spotty, and I don't know how long it was in progress. Nice to have it, even if it was only 15 minutes. No change of equipment used. Time is CST. New underlined.

1/3 tr (from Bloomington)	1/20 Es		
2300 KBBG 88.1 IA Waterloo, s, power incr.	2302 WEFZ 92.9 VT Burlington, m		
1/4 tr	2305 WBUC 91.5 MD Baltimore		
2200 KOSG 92.7 IA Osage, r, new station	2312 WPOC 93.1 MD Baltimore, k		
1/20 tr	2315 WRBS 95.1 MD Baltimore, g		
1700 WAQE 97.7 WI Rice Lake, r, new station	1/17 tr (from Prosit)		
1/20 Es	1300 WKKQ 93.9 MN Hibbing, k		
2301 WGBH 89.7 MA Boston	1618 WAQE 97.7 WI Rice Lake, r		

Regarding WKKQ Hibbing, MN - just what I need, a 100 KW station only 35 miles away!

+ + + + +

Ralph Strobel - 2510 E. McGalliard Rd. - Muncie, IN 47303

12/22 tr	12/31 MS		
0422 WCVT 92.1 OH Centerville, r, 18w	1240 KEVA 88.5 ND Belcourt, ND wx	950	
ex-91.9 at 10w, WBST off	1/3 MS		
(Little to report - very poor here)	0400 WMCU 89.7 FL Miami, g, prev. Es1100		

Andy Bolin has built me a small control box for my Heathkit AJ-1510. This small box, 6 inches wide, 3 inches high, and 3 inches deep, plugs into the back of the tuner with a phono type jack. There are two small controls on the front of the unit. One is the coarse control and will effect 3+MHz. The other is the fine tuning control which effects one to three channels. If I want to hear 102.7 in Terre Haute or Cincinnati, next to 102.5 in New Castle-Muncie, the tuner is set one frequency higher to 102.9. The coarse control is turned to the right just enough to unlock the phase locked loop. The unlocked light will appear on the front panel of the tuner. With the fine control knob turned to the right in the proper position, I can now tune down to 102.7, or probably about 102.75. I can even tune down to 87.75 to hear Channel 6 Indianapolis, which was never before possible. This is really a handy device. The tuner was in need of re-alignment, especially in the Ed. band, which has helped greatly. Filters could not be installed for modification, although it was tried. I would recommend anyone needing tuner repair to contact Andy, another DXer of Andy's calibre understands why we need a tuner performing at its best.

# EASTERN TV-DX

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

Eastern TV DX

March 1981

George Rogers: 320 Lafayette Rd., Chickamauga, GA 30707 EDT? 11-24 to 12-20  
11-24 Es 1253 XEPM-2 Ch 1300

March 1981

Deadline: 5th

I don't have any new reports for this month's column as yet so I'll continue where I left off last month with Paul Traska's report. I also have an old one of my own which was forwarded to me when I took over this column. I was watching the local weatherman last night and he said the temperature in this part of the country for the next month was going to be much above normal. I don't believe it but if it's true tropo conditions should improve, I hope.

Paul Traska: 64 Weaver Ave., Buffalo, NY 14206 EDT 6-18 to 9-19

18 Es 1930	<u>KMOS-6 MO</u>	23 Es 0100	<u>WSAV-3 GA</u>	25 Tr 2230	<u>WGN-9 IL</u>
	Sedalia	0105	<u>WDBO-6 FL</u>		<u>WJAD-8 IL</u>
1931	<u>KARD-3 KS</u>	0205	<u>WESH-2 FL</u>	2300	<u>WDHO-24 OH</u>
19 Es 0000	<u>KOBT-3 OK</u>	0210	<u>WSB-2 GA</u>	2355	<u>WRAU-19 IL</u>
1100	<u>KALB-5 LA</u>	28 Es 2130	<u>KATC-3 LA</u>		<u>WMBD-31 IL</u>
1130	<u>WABG-6 MS</u>	29 Es 1130	<u>WEAR-3 FL</u>		<u>WTVP-47 IL</u>
1600	<u>KFDX-3 TX</u>	8/4Tr 2140	<u>WFFT-55 IN</u>	26 Tr 0010	<u>WTVO-17 IL</u>
	KGEM-6 TX	2200	<u>WCAB-50 IN</u>	0015	<u>WQRF-39 IL</u>
20 Es 1200	<u>KIVV-5 SD</u>	2235	<u>WUHQ-41 MI</u>		Rockford
1230	<u>KPLO-6 SD</u>	6 Tr 1100	<u>WANE-15 IN</u>	0026	<u>KDUB-40 IA</u>
	<u>WDAY-6 ND</u>	1145	<u>WKJG-33 IN</u>		Dubuque
1300	<u>KDLO-3 SD</u>		<u>WHMB-40 IN</u>	0035	<u>WEEK-25 IL</u>
	<u>KOTA-3 SD</u>		<u>WFFT-55 IN</u>	0036	<u>WOTV-8 MI</u>
2130	<u>KOTV-6 OK</u>		<u>WBGU-57 OH</u>	0201	<u>WRFX-13 IL</u>
2200	<u>KOBT-3 OK</u>	1845	<u>WNIT-34 IN</u>	0230	<u>WISN-12 WI</u>
23 Es 1200	<u>KARD-3 KS</u>		<u>WHME-46 IN</u>		<u>WKBT-8 WI</u>
25 Tr 0140	<u>Unided-12</u>		<u>WNDU-16 IN</u>		La Crosse
0307	" 11	1855	<u>CBET-9 ON</u>	0233	<u>WWTW-9 MI</u>
7/14 Tr 1030	<u>WDWK-13 WV</u>		<u>WPTA-21 IN</u>	1200	<u>WEYI-25 MI</u>
15 Tr 0140	<u>WDWK-13 WV</u>	2015	<u>WKAR-23 MI</u>	1215	<u>WMBD-31 IL</u>
	<u>WTVQ-36 KY</u>		<u>WUHQ-41 MI</u>	1245	<u>WILX-10 MI</u>
	0202	2155	<u>WFIQ-36 AL</u>		<u>WGN-9 IL</u>
	<u>WTRF-7 WV</u>		Florence		<u>WNIT-34 IN</u>
1240	<u>WSTV-9 OH</u>		Unided-23; S.	1250	<u>WCFC-38 IL</u>
17 Es 1000	<u>WKRQ-5 AL</u>	19 Tr 1015	<u>WWTW-9 MI</u>		<u>WFLD-32 IL</u>
1030	<u>WABG-6 MS</u>		<u>CBET-9 ON</u>		<u>WSNS-44 IL</u>
1100	<u>KATC-3 LA</u>	1200	<u>WKAR-23 MI</u>	1315	<u>WKAR-23 MI</u>
1200	<u>WEAR-3 FL</u>	1640	<u>W64AF (WVIZ)</u>	1700	<u>WGTE-30 OH</u>
1230	<u>WDSU-6 LA</u>		<u>W67AL (WVIZ)</u>		<u>WGN-9 IL</u>
1300	<u>WBRZ-2 LA</u>	1755	Ft. Wayne U's		Chicago U's
1325	<u>KALB-5 LA</u>		<u>WBGU-57 OH</u>	1714	<u>WHME-46 IN</u>
1500	<u>KENS-5 TX</u>	2015	<u>WNEO-45 OH</u>	1910	<u>WGVC-35 MI</u>
	San Antonio	21 Tr 1700	<u>WJED-13 PA</u>	1915	<u>WILX-10 MI</u>
1630	<u>WMOI-5 TN</u>	25 Tr 2145	<u>WSNS-44 IL</u>		<u>WGN-9 IL</u>
1700	<u>KXAS-5 TX</u>		<u>WCFC-38 IL</u>	2129	<u>WMTV-36 WI</u>
1730	<u>KAUZ-6 TX</u>		<u>WFLD-32 IL</u>	2212	<u>WFUM-28 MI</u>
1930	<u>KMOS-6 MO</u>		<u>WUHQ-41 MI</u>		Flint
	<u>KOBT-3 OK</u>	2146	<u>WHME-46 IN</u>	27 Tr 0045	<u>WFLD-32 IL</u>
2000	<u>KOMO-5 MO</u>		<u>WNIT-34 IN</u>		<u>WCFC-38 IL</u>
21 Es 1125	<u>KSTV-3 MO</u>	2200	<u>KIIN-12 IA</u>		<u>WSNS-44 IL</u>
1300	<u>WEDU-3 FL</u>		Iowa City	0047	<u>WHME-46 IN</u>
22 Es 1104	<u>WCIX-6 FL</u>	2214	<u>WJRT-12 MI</u>		<u>WUHQ-41 MI</u>
1105	<u>WEAR-3 FL</u>	2220	<u>WNDU-16 IN</u>	29 Tr 1110	<u>WUHQ-41 MI</u>
1130	<u>WEDU-3 FL</u>			9/19 Tr 0025	<u>WCDC-19 MA</u>
				0045	<u>WSBK-38 MA</u>

"Bob, I am sorry for putting together a report a couple days short of year. I've been busy, still didn't fix my CMA-Ub, have a good----- Merry Christmas and Happy New Year."

By now you all know that WRHT-31 is on in Ann Arbor, MI. I saw them testing their scramble mode known as "it" a few days ago. I also noticed that CKGN-22 in Uxbridge, Ont. is back on and I saw some new translators on chs. 57 & 59 repeating KDLH & KBJR from Grand Portage, MN. And lastly, W55-- (WPNB-38) is on on Washington Island, WI.---wd

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Tr 1540	<u>WTTV-4 IN 142</u>	Tr 1545	<u>WNIN-9 IN 125</u>	Tr 1720	<u>WXIX-19 126 OH</u>
	<u>WLWT-5 OH 126</u>		<u>WKRC-12 OH 126</u>		<u>1810 WOTN-2 OH 181</u>
1545	<u>WTVW-7 IN 125</u>		<u>1550 WTHR-13 IN 142</u>		<u>1820 WHIO-7 OH "</u>
	<u>WISH-8 IN 142</u>		<u>1600 WBEK-13 KY 75</u>		<u>2300 WRTV-6 IN 142</u>
	<u>WCPO-9 OH 126</u>		<u>1710 WKLF-22 OH 181</u>		

From Radcliff, KY: (11-26)

1 Ls 1900	<u>KNID-2 TX 997</u>	8 Tr 2112	<u>WCBI-4 MS 215</u>	"Equipment: RCA 19"
4 Es 1315	<u>XHRC-2 TA 1250</u>	Ls 1620	<u>WGBH-2 MA 926</u>	Model No. AA/193 ser
7 Es 2100	<u>XHAC-4 YU 1400</u>		<u>1835 ICR-4 Cuba860</u>	Sharp Radio Model PY-
	<u>2105 XHHPM-2 CPS</u>	13 F2	<u>1000 BEC-1 41.50</u>	410 for F <sup>2</sup> reception.
	Tuxtla Gutierrez		<u>1005 TVF-1 41.25</u>	
	(Local quality for an hour)		<u>1020 HBC-1A 41.35</u>	Total log going into
8 Tr 1100	<u>WJSP-28 GA 220</u>		N.Ireland	the new year: 447
	<u>1000 KNOE-8 LA 467</u>	14 Tr 0830	<u>WTBS-17 GA 110</u>	stations; 111 via UHF
	<u>1005 WBIR-10 TN 125</u>		<u>0930 WDM-7 MS 372</u>	170 via Es; 2 xltres;
	<u>1130 WTVF-5 TN 145</u>	20 Gw	<u>W51AB GA (WCIP)</u>	39+ states; 6 provinces
	<u>1145 WNGE-2 TN "</u>		Flintstone	6 Mexican states; 4
	<u>1230 WSM-4 TN "</u>	Gw	<u>W35AA GA (WCIP)</u>	foreign for a total of
	<u>1800 KATV-7 AR 460</u>		Lafayette	56 total PU's.

I hope you have a happy new year. If you wish to contact me, my phone no. is 404-375-3525. Remember, we're gonna have DX fun in 1981, Thank you."

Roger Winsor: 525 W. 39th Place, Apt. 10-A, Hobart, IN 46342 EST? (1-21)

Tr 1815	<u>CKCO-42 Oil Springs, in</u>	Tr 1930	<u>CICO-18 London w/Ontario</u>
	all evening.		network slide nulling WTVV.
1830	<u>WRHT-31 Ann Arbor, shocker</u>		<u>WVIZ-25 Cleveland, McNeil-</u>
	with satellite feed, s/off		Leherer report thru WYII.
	1900, had test slide w/TC on	1945	<u>WNEO-45 Alliance w/movie</u>
	/off all PM.		briefly whilst ch.23 Akron
1845	<u>CKGN-22 Uxbridge, creaming</u>		in.
	local WSIT.	1950	<u>CBFT-2-40 London, in weakly.</u>
1850	<u>CKGN-29 Oil Springs//ch.22.</u>	2000	<u>WJLN-54 Erie, shocker w/girls</u>
1900	<u>WFUM-28 Flint, ID over WSJV</u>		bb game, in for 3 hours.
	practically had to lay ant-	2020	<u>CICO-59 where? (Chatham---wd)</u>
	enna on its back to get pix.	2100	<u>WUTV 29 Buffalo 29 w/promo,</u>
1915	<u>CFMT-47 Toronto w/Italian</u>		thought it was Oil Springs.
	movie, foreign ads, in/out		
	all PM.		

"I'm not too often a reporter to this column, but did want to get in what to get in what I saw on UHF on 1-21-81 when there was a nice duct to the East. My equipment is primitive, a 4 bay hand held bowtie to a small bw TV, but it did result in the above DX. Came home about 1800, noticed QRM on local ch.7. Also seen, but not new were 21,27 Youngstown, 24,30 Toledo, 43 Lorain, 14&19 Michigan plus all Detroit rock solid for 3 hours.

I will be very glad if we ever get a up to date list of TV stations including Canada (me too--wd), as they have a maze of new grants in the past few years. Thirteen new stations in about 3 1/2 hours of DX. I understand there was some Es the pm of 1-20 that got up to ch. 5, (thru ch.6 here--wd) but I did not get anything.

I hope others caught this strong duct. If you will notice in Jan. WUD, the exact CX they mentioned about a Jan. thaw followed by warm air and fog to the area was the result."

George Rogers: 320 Lafayette Rd., Chickamauga, GA 30707 EST 1-1 to 1-24

1 Ls 1100	<u>KTCA-2 MI 1105</u>	1 Es 1400	<u>KWNB-6 1220</u>	8 Tr 0825	<u>WYLA-38 GA 226</u>
	<u>1105 WCCO-4 MN "</u>		<u>1420 KOA-4 1316</u>		<u>WHBA-40 AL 125</u>
	<u>1107 KUSD-2 SD 1225</u>		<u>1425 KQAA-5 1204</u>		<u>WMBG-42 AL 142</u>
	<u>1205 KCKT-2 KS 949</u>		(In for 1 hour)		<u>0828 WVTN-13 AL "</u>
	<u>1230 KJWG-2 CO 1316</u>		<u>1515 KWAB-4 1079</u>		<u>0830 WALE-10 GA 282</u>
	<u>1305 WHIO-2 TA 1134</u>		<u>1525 KNID-2 1119</u>		<u>1300 WCFL-22 TN 102</u>
	<u>1400 KROP-2 NE 1179</u>		Midland, TX		Cookville
	<u>KYCU-5 WY 1347</u>	8 Tr 0825	<u>WATL-36 114</u>	18 Es 1800	<u>KNID-2 TX 1119</u>

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Don Ruland; continued---  
 11-12 Tr 0530 WLKY-32 KY 330  
 WDRB-41 KY "  
 1-20 Tr 0630 WRHT-31 MI 220  
 Ann Arbor #501

1-21 Tr 2200 WSEE-35 PA 400  
 WQLN-54 PA "  
 WUAB-43 OH 330  
 1-24 Tr 1400 WFUM-28 MI 220  
 Flint #502  
 1-25 Tr 1200 WLRE-26 WI 140  
 Green Bay #503  
 KDNL-30 MO 300

William J. Draeb; Ellis St. R.R.#2, Kewaunee, WI 54216 CST 12-31 to 2-6  
 Aside from the brief tropo opening of Jan. 20, 21&22, tropo activity was pretty rotten during the past month. However, Es was noted on Jan. 1, 12, 20 and Feb. 1 which made the past month, never the less, interesting.

D31 Tr 1730 WLRE-26 25  
 Green Bay

J1 Es 1000 KATC-3 LA 1026  
 1009 WLBT-3 MS 865  
 1028 WBRZ-2 LA 1002  
 1040 WWL-4 LA 1030  
 1042 WUAB-2 MS 784  
 1047 KJAC-4 TX 1080  
 1100 KPBS-3 LA 910  
 1104 KPRC-2 TX 1118  
 1110 KETX-3 TX 1079  
 1110 KNOL-4 TX 1213  
 1300 KCEN-6 TX Tent.  
 4 Tr 1815 WTVQ-36 KY 473  
 WKLE-46 KY "  
 WCET-48 OH 400  
 10 Tr 1535 WSEE-35 PA 405  
 WQLN-54 PA "  
 1807 WKLE-46 KY 473  
 11 Tr 1025 WQLN-54 PA 405  
 12 Es 1113 KOTA-3 SD 798  
 KOA-4 CO 952  
 1130 KWGN-2 CO "  
 1150 KUTV-2 UT 1264  
 KTVX-4 UT "  
 Tr 1806 WRHT-31 MI 242  
 Ann Arbor  
 2108 KDNL-30 MO 432  
 13 Tr 1840 WKYT-27 KY 473  
 WKLE-46 KY "  
 WTVQ-36 KY "  
 WCET-48 OH 400  
 1844 WCWN-54 KY 407  
 14 Tr 1843 KDNL-30 MO 432  
 2052 WPTT-22 PA 480  
 18 Tr 0805 WPTT-22 PA 480  
 1123 KDSD-16 SD 538  
 1923 KDSD-16 SD 538  
 19 Tr 1834 WSEE-35 PA 405  
 WQLN-54 PA 405  
 20 Tr 0700 W74AS MI 186 (WDIO)  
 W70AT MI " (WAEQ)  
 W49-- MI 130 (WLUK)  
 K61AF MN 268 (WDIO)  
 K63-- MN " (KDLH)  
 K65-- MN " (KBJR)  
 K57-- MN 266 (KDLH)  
 Grand Portage  
 K59-- MN 266 (KBJR)  
 Grand Portage  
 0750 W55-- WI 71 (WPNE)  
 Washington Is.  
 1730 K69AJ MN Tent.  
 K77BW MN 266 (WDSE)  
 1843 WUTV-29 NY 445  
 CBLFT-25 ON 410

Because of the lack of room on this page I will continue the remainder of my report next month.

Also, I compiled some recent FCC-TV News data and if anyone has any more that's of interest please send it along. I could especially use some Canadian news.

Another thing, back on Dec. 27th I was watching KMTC-27 riding over WKOW-27 and they were 20khz apart(or at least they appeared to be). I noted the same thing on different occasions with WKOW-27 and WKYT-27 also. Does any one know if WKOW changed offsets or did any one else notice this?

And finally, I noticed that local WLRE-26 is carrying some network programs(not carried by other locals). So, if you see the "CBS Late Movie" or the "CBS Saturday Evening News"among others on ch.26 don't scratch your head wondering where it's coming from. Ch.26 also carries a lot of sports. They carry Marquette, Notre Dame, Milwaukee Bucks, St. Norbert basketball games and this summer will be carrying Milwaukee Brewer baseball games. For those of you wanting a verification from ch.26, send your letter to TV-26, Box 26, Green Bay, WI 54305.

That's all for this month. 73's and may Es start early this season.--wd.

J20 Tr 1843 CHMT-47 ON 410  
 CITY-79 ON "  
 CICA-19 ON "  
 1913 WNEB-17 NY 445  
 1918 W46-- NY 406  
 (Brockton)  
 2140 CBLFT-34 ON 374  
 Uxbridge-22 ON 413  
 2155 WMGC-34 NY 600  
 WICZ-40 NY "  
 WSKG-46 NY "  
 WSEE-35 PA 405  
 WQLN-54 PA "  
 WBERE-28 PA 630  
 WDAU-22 PA "  
 WVIA-44 PA "  
 Es 2245 WBEZ-4 MA 830  
 WGBH-2 MA "  
 WCAX-3 VT 707  
 21 Tr 0550 WNEB-17 NY 445  
 WUTV-29 NY "  
 WJET-24 PA 405  
 CHMT-47 ON 410  
 CICO-19 ON 350  
 KDNL-30 MO 432  
 0613 WXXI-21 NY 500  
 0620 WENY-36 NY 575  
 WSEE-35 PA 405  
 0631 CICA-19 ON 410  
 0639 K33AA IA 346(KIIN)  
 K38AB IA 329 KIIN  
 0708 WQLN-54 PA 405  
 WSEE-35 PA "  
 1814 WBNW-55 IL 325  
 1822 WVIA-44 PA 630  
 KDNL-30 MO 432  
 WSEE-35 PA 405  
 WQLN-54 PA "  
 WYTV-33 OH 420  
 WJET-24 PA 405  
 WMGC-34 NY 600  
 WENY-36 NY 575  
 WBERE-28 PA 630  
 WDAU-22 PA "  
 WNEP-16 PA "  
 WNEP-16 NY 600  
 Uxbridge-22 ON 413  
 WKBN-27 OH 420  
 WFMJ-21 OH "  
 CBLFT-25 ON 410  
 CHMT-47 ON "  
 CICA-19 ON "  
 2033 WSKG-46 NY 600  
 WUTV-29 NY 445  
 WNEB-17 NY "  
 2047 WNEO-45 OH 406  
 2108 WICZ-40 NY 600

George Rogers; continued---  
 1-20 Es 1830 XHRIO-2 TAM 1134 (In 1 1/2 hrs.) 1-24 Tr 0840 WANX-46 GA 114  
 Atlanta

Robert Zent 1835 Fruit St., Huntington, IN 46750 EST

12-8 Tr 0640 WEMG-42 AL 530  
 Birmingham  
 WTBS-17 GA 510  
 Atlanta

12-8 Tr 0640 Huntsville U's 445  
 1-21 Tr 1800 WRHT-31 MI 125  
 Ann Arbor

"It seems rather strange that the FCC would allocate a channel 31 in Ann Arbor, because of nearby adjacent channels 30 in Toledo and 32 in Windsor, ON, both within 50 miles. I would think this would cause severe spillover problems for viewers living bet ween these cities. It would seem more logical to have put it on one of the higher channels. Any ideas as to why it was done this way?? Welcome back as the column editor Bill. It's good to have you back.(Thanks--wd)(About your question---I measured the distance from Ann Arbor to Windsor(36mi) and from Ann Arbor to Toledo(43mi). As I recall, unless it has been changed, the distance between stations on adjacent channels(frequency-wise) must be at least 50mi. Now, depending on exactly where these transmitters are located, they could be 50 mi. apart. Don't know if that was of any help, but at least I added my two cents.--wd)

George S. Gallacher R.R.1 Box 32 Ossian, IN EST 9-21 to 1-22

21 Tr 0030 WEVI-25 MI 19 Tr 0011 WI7AA OH  
 Saginaw Celina  
 24 Tr 0000 WMBD-31 IL 11-27 Tr 0025 Detroit-  
 Peoria Chicago U's  
 0002 WRAU-19 IL Indianapolis-  
 Peoria Dayton V's  
 0003 WEEK-25 IL 12-4 Tr 0330 Milwaukee  
 V's  
 10-5 Tr 2230 Detroit-  
 Columbus-Cleve-land V's  
 0336 WBBM-2 IL  
 0342 WQED-13 PA  
 Pittsburgh  
 7 Tr 2100 WKEF-22 OH  
 Dayton  
 2113 WQPR-62 MI  
 Detroit 14 Tr 2340 WCET-48 OH  
 Cincinnati

1-22 Tr 0001 WENY-36 NY  
 Elmira  
 0002 WUAB-43 OH  
 0008 CBLFT-48 ON  
 Chatham  
 0010 KDNL-30 MO  
 St. Louis  
 0016 CICO-59 ON  
 Chatham  
 0023 CBLFT-40 ON  
 London  
 0100 WAKR-23 OH  
 Akron

Equipment: Quasar 7" b&w; 40' tower with a R.S. V-150 & R.S. U-100 on a 10' mast. "Had a short but interesting tropo opening on January 22nd. My thanks to Bob Zent in Huntington for calling me up at midnight and telling me about it. Luckily I was awake at that time. Logged 7 new stations in 1 hour. which I didn't think was too bad. Especially in the month of January. WUAB-43 in Lorain-Cleveland came in as if it was a local. I received KDNL-30 in St. Louis on the back side of my V-150. I'm beginning to think the rejection on the back side is not very good but I won't complain at all this time since it's a new logging! As of 1-30-81 I've logged 121 stations in 17 states and the providence of Ontario. Hope to double or triple that figure by the end of this year. Well guess it's time to go trucking again. 73's and happy DXing. P.S.--May get new translator station in Ft. Wayne. WETI-64 in Cincinnati, OH wants to build translator covering a 15 mile radius of Ft. Wayne. May use ch.27. FCC is now studying the proposal."

Don Ruland 4448 68th Place, Kenosha, WI 53142 CDT-CST 9-27 to 1-25

"Past four months have really been slow DX-wise. I did buy a new Magnavox 25", model 1510, color TV with keyboard electronic tuning. Unlike most other brands with electronic tuning, Magnavox does offer fine tuning control which is obviously essential for DXing. Also added a B-T Mighty Mite S to supplement existing CMA-Ub UHF preamp. Very noticeable improvement, but only overloading comes with exact Chicago heading, so I can live with that."  
 27 Tr 0520 WDEF-12 TN 530  
 30 Tr 0645 CFMT-47 ON 430  
 CITY-79 ON "  
 CBLFT-76 ON 400

10-1 Tr 0645 KDNL-11 IA 310  
 10 Tr 0530 WICU-12 PA 400  
 WJET-24 PA "  
 11-12 Tr 0530 WHAS-11 KY 330

# QSL CORNER

FM-QSL's

Thomas J. Yingling, jr.  
221 Pinewood Road  
Baltimore, MD 21222  
Phone # 1-301-282-5649

- MEX XHTO 104.3 Ciudad Juarez (Chin.), Apartado Postal 1373. Spanish letter from Oscar Legarrete Hernandez, Director General, reply in 6 weeks. My first Mexican here on FM. Wood
- XHJC 91.5 Mexicali (B.C.), Ave. Madero 420 Desp. 118. / 247 3rd St. Calexico, CA 92231. Letter from Pablo Brizuela A., Manager, reply in 30 days. Ebeling
- SAS CFMO 92.1 Regina, P. O. Box 9800, S4P 3J4. Handwritten letter, engineering drawings transmitter sketch, CRTC map, etc. from Dan Brann, Engineering Dept. who erroneously specifies the frequency of affiliate CKRM as "9800" which would put it near the 31 meter band, short wave. His letter undated, but in 1 month. Wood
- MB CITI 92.1 Winnipeg, Polo Park, R3G 0L7. Nice letter from George Buzunis, Program Eng. & CE. Chernos
- ON CKLW 93.9 Windsor, 1640 Ouellette Ave, Box 480, N9A 6M6. Letter from E. R. Butterbaugh, VP & Dir. of Eng. They must be out of cards, as I have one for AM, FM & TV on it too. Chernos
- PO CIMF 94.9 Hull, 150 Edmonton, J8Y 3S6. French letter with signer Francois Gascon, Directeur des Emissions (Pro. Dir.) Chernos
- FL WWVL 93.9 Miami Beach, 843 1st, 33139. Letter saying most distant report to date. Letter from Roy Pressman, CE W4CIG. Reply in 2 weeks. Wood
- IA KRNA 93.9 Iowa City, 1027 Hollywood Blvd., 52240. Verie, bumper sticker & coverage-map from Stephen P. Wing, CE. Hascall
- KDMI 97.3 Des Moines, 2907 Merle Hay Rd., 50310. Letter from Jerry Sleigh, Asst. Gen. Man. with reply in 2 weeks. Hascall
- KMGO 98.7 Centerville, Box 910, 5544. Verie in 2 weeks from Larry Stout, Program Director who described their 3000 step automated system. Hascall.
- KUNI 90.3 Cedar Falls, 60613. Letter from Andrew D. Marti, Coordinator of Public Information, with sticker, & station guide with reply in 2 weeks. Hascall
- IL WDDD 107.3 Marion, Rte 37 North, 62959. Dutch Doelitzsch, Pres. & GM send letter in 3 weeks. Hascall
- NE WNGX 93.1 Portland, 477 Congress St. Letter from George Silverman, Pres. & Gen. Manager. Cooper
- WRKD 93.5 Rockland, 415 Main St., 04841. Memo sheet from Terrence Economy, GM. One follow up letter was needed. Zark
- OR KCIV 104.5 The Dales, P. O. Box 104, 97058. Letter from C. L. De Biaso, Sales Mgr. with reply in 23 days. Ebeling
- PA WMMR 93.3 Philadelphia, Rittenhouse Square, 19103. Letter from Phil Harris, CF. Zark
- WRKZ 106.7 Elizabethtown, P. O. Box 1600, 17022. Letter from D. Lee. Salter, CE "Your letter is one of the most complete & comprehensive we have ever received." OS� by letter. Holbrook
- WQVE 94.3 Mechanicsburg, Prepared card after follow-up. Heard 8-15, OS�'ed 11-28, signer unreadable. Holbrook
- VA WLSA 105.5 Louisa, P. O. Box 800, 23093. Letter from R. Paul Brier, General Manager. Holbrook

Reporters are Richard E. Wood, Saul Chernos, Dave Hascall, Ernest R. Cooper, John Ebeling, Hank Holbrook, & Neil G. Zark. If any reporter like to send in a good copy of their QSL's please do. I will try to use your copy in my column as a second page QSL Corner with a picture of the OS�. Either send in a copy of the OS�, or the OS� itself & I will mail it back to you. No letters please, too much trouble. 73's for now. Tom Yingling.....

## EXAMPLES OF TV STATION QSLs



**WBZRZ**  
BATON ROUGE, LOUISIANA

confirms your reception of this station on  
*Jan 14, 1975* at *3:30* P.M. CST. Thanks  
*RT Maship*

CHANNEL 2  
VISUAL POWER... 100,000 WATTS  
AURAL POWER... 15,000 WATTS  
TOWER HEIGHT... 1749 FT. MSL  
ANTENNA ... 5 BAY GE  
NETWORKS ... NBC

BATON ROUGE, LA

**WKBD TV**

570

Verified Reception of Detroit's SuperPower Station, on *8-24-78* in *BALT. MD.*

Antenna Height 1749Ft. Above Sea Level Visual ERP 2340 KW

abc **TV 41** Battle Creek  
Kalamazoo  
wuhq Grand Rapids

A check of your report against our station log confirms that you heard our signal on **AUGUST 29, 1976** at **10:30** a.m. **ED. EST.** We are, therefore, pleased to comply with your request for a verification of reception.  
Position **ENGINEER**  
Signed *Howe Belton*

**KQTV**  
St. Joseph, Missouri

**100 Kilowatts**

This Will Confirm Your Reception  
Date *June 28, 1976*  
Time *2:00-2:19 PM* **EDT**

Thank You For Your Reception Report



# IN SEARCH OF PSB

Donald L. Blevins  
1715 Earhart Road  
Baltimore, MD 21221  
phone 301-574-2714

IN SEARCH OF PSB....This month's feature will touch on a few frequencies of the United States Government as reported by Dave Wilson, of Kent, Ohio, along with some other data from this area.

Frequency	Agency	Location	Call
162.225	US Post Office	Cleveland, Ohio	
163.00	VA Hospital	Butler, PA	KEK 339
163.025	US Army Corps of Engineers	Allegheny River Basin	(various repeaters)
163.4125	US Army Corps of Engineers	Ohio River Basin	
163.4375	US Army Corps of Engineers	Muskingum River Basin	
164.20	VA Hospital	Brecksville, OH	
164.70	VA Hospital	Pittsburg, PA	
165.0625	US Army	Ravenwood Arsenal, OH	AAC 540
166.225	VA Hospital	Pittsburg, PA	
173.6125	VA Hospital	Brecksville, OH	KFX 848

Dave also reports the following information of Canada

Toronto Police

1) 142.035 2) 142.065 3) 142.125 4) 142.155 5) 142.305 6) 142.335 9) 142.875  
10) 142.905 11) 142.965 12) 142.995 Division 2) 148.495 Division 1) 148.855  
Call Sign for Toronto PD XJF 72

Just a few words from your editor.....

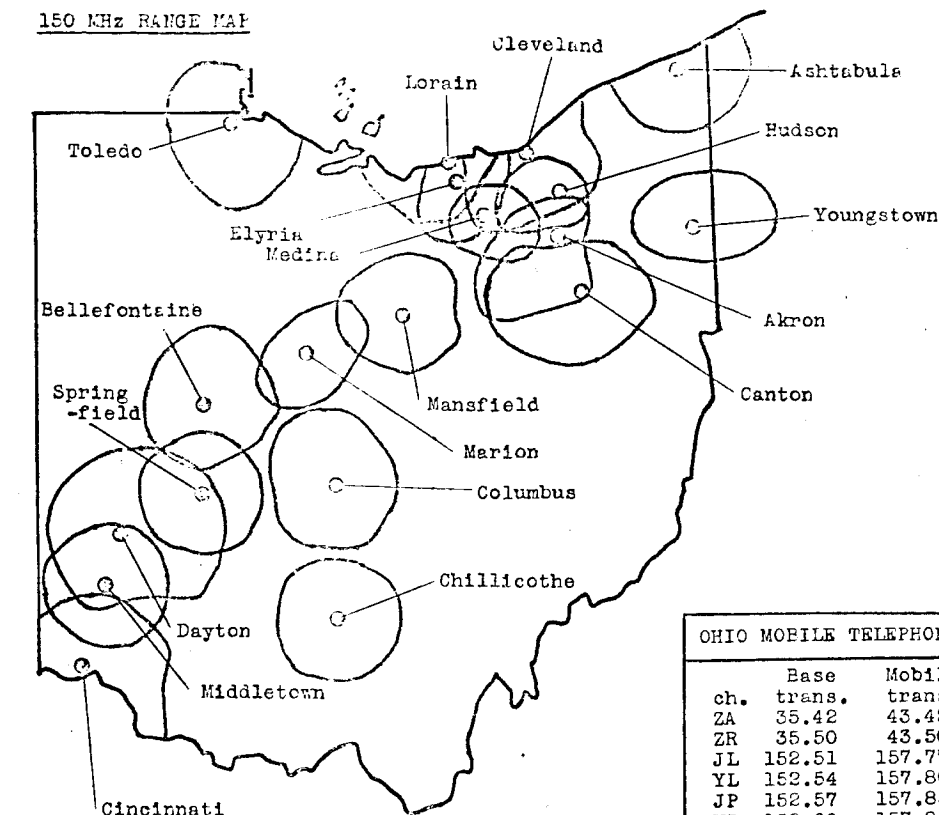
I am in need of some information for future features if I am to continue serving the needs of you, the DX'er. If you can submit a few items or just one item of information, then this monthly feature can continue to inform. I have not for some time received any information making necessary for me to adlib features from my own information. I try to steer clear of this practice in order to avoid the appearance of an East Coast oriented feature.

Potomac Electric Power Company

158.16 158.255 158.25 158.265

Hagerstown, MD	KEY 61
Clearspring, MD	KGA 613
Dans Mountain, MD	KGC 454
Hancock, MD	KGF 949
Luray, VA	KIH 990
Linden, VA	KIJ 212
Moorefield, VA	KQF 665
Mercersburg, PA	KDI 760

## 150 KHZ RANGE MAP



### OHIO MOBILE TELEPHONE

ch.	Ease trans.	Mobile trans.
ZA	35.42	43.42
ZR	35.50	43.50
JL	152.51	157.77
YL	152.54	157.80
JP	152.57	157.83
YP	152.60	157.86
YJ	152.63	157.89
YK	152.66	157.92
JS	152.69	157.95
YS	152.72	157.98
YR	152.75	158.01
JK	152.78	158.04
JR	152.81	158.07
QJ	454.40	459.40
QA	454.45	459.45

Akron (KQA653) -ZR, JP, YS, QA  
Ashtabula (KQA650) -YK, JK  
(KFL920) -JK  
Bellefontaine (KQA651) -YJ  
Canton (KQK594) -ZA  
(KQA652) -JL, JS, YR  
Chillicothe (KQK709) -YK  
Cincinnati (KQA482) -JL, YJ, YR  
Cleveland (KQA768) -ZA, JL, YJ,  
JS, YR, QJ  
Columbus (KQA655) -ZA, JL, YJ, JR  
Dayton (KQD313) -ZR, JP, JS, JK  
(KQD612\*) -454.675, 454.700  
Elyria (KQK581) -YK, JK  
Hudson (Twinsburg) (KQK563) -YP  
Lorain (KQA649) -ZA, ZR, JR  
Mansfield (KQD300) -ZA  
(KUA305) -YP, JK  
Marion (KQ2770) -YR  
Medina (KQK723) -YL

Middletown (KQD598) -YL  
Orwell (KLF475) -YL  
Springfield (KQD603) -YP  
Toledo (KQA771) -ZA, JP, YK, JS  
Youngstown (KQD314) -ZR  
(KQA654) -ZA, YJ, JS

\*KQD612 is used for aircraft; 454.675 is a calling frequency.  
Aircraft transmit 5 MHz higher.

# CANADIAN CONTINUOUS MARINE BROADCASTS

by William R. Hepburn

This is the third and final article on Canadian VHF Weather Stations. Listed here is the complete "Continuous Marine Broadcast" network operated by the Canadian Coast Guard. Similar to Weatheradio Canada and NOAA Weather Radio, these stations transmit 24-hour weather and notices-to-shipment information to mariners on the Great Lakes, and recently, to the Atlantic and Pacific coasts as well. (This list updates Great Lakes' data in the September '78 article).

The CMB network is unique to Canada. While the USCG is generally cutting down on the number of broadcasts, the Canadian Coast Guard is expanding its "continuous" service.

The primary broadcast frequency is 161.65 MHz (maritime ch 21) with the frequencies of 161.775 MHz (ch 83B) and 162.55 MHz (ch 39) used in congested areas to reduce interference. In Northern Canada, where only scheduled broadcasts are made, 161.9 MHz (ch 26) is employed.

Broadcasts made from an originating station may be relayed to a number of peripheral stations. Peripherals are listed under the station where the broadcast originates from.

## CANADIAN COAST GUARD: CMB OUTLETS

### ATLANTIC COAST / GULF OF ST LAWRENCE

Location	Call	Freq(MHz)	Power (W)	Antenna Height (ft.)
Comfort Cove, NF	V00	161.65	100	150
St. Anthony, NF	VCM	161.65	100	150
St. John's NF	VON	161.65	100	150
St. Lawrence, NF	VCP	161.65	100	150
Stephenville, NF	VOJ	161.65	100	100
- Sopers Crossing, NF	"	161.65	100	150
Charlottetown, PE	VCA	161.65	100	60
- Cape Egmont, PE	"	161.65	100	175
Canso, NS	VAX	161.65	50	75
Halifax, NS	VCS	161.65	100	100
Sydney, NS	VCO	161.65	100	100
Yarmouth, NS	VAU	161.65	100	50
- Western Head, NS	"	161.65	100	225
Saint John, NB	VAR	161.65	100	100 *
Grindstone, PQ	VCN	161.65	100	150
Riviere-au-Renard, PQ	VCG	161.65	60	150
Sept-Iles, PQ	VCK	161.65	60	285
- Mingan, PQ	"	161.775	60	80

(\* --CMB proposed for 1981; current broadcasts scheduled @ 0510, 1240, 1820 and 2310 ADT)

## CANADIAN CONTINUOUS MARINE BROADCASTS

### GREAT LAKES / ST LAWRENCE RIVER

Location	Call	Freq(MHz)	Power (W)	Antenna Height (ft.)
Mont-Joli, PQ	VCF	161.775	60	150
Montreal, PQ	VFN	161.65	60	127
- Trois-Rivieres, PQ	"	161.775	60	210
Quebec, PQ	VCC	161.65	60	210
- Cap Est, PQ	"	161.65	60	60
- Montmagny, PQ	"	161.775	60	100
- Riviere-du-Loup, PQ	"	161.65	60	145
- Sacre Coeur, PQ	"	161.775	60	60
Cardinal, ON	VDQ	161.65	100	-
- Cornwall, ON	"	161.775	100	-
- Kingston, ON	"	161.775	100	-
Port Burwell, ON	VBF	161.65	100	-
Sarnia, ON	VBE	161.65	100	-
- Kincardine, ON	"	161.775	100	-
- Leamington, ON	"	161.775	100	-
Sault Ste. Marie, ON	VBB	161.775	100	-
- Bald Head, ON	"	161.65	100	-
- Blind River, ON	"	161.775	100	-
Thunder Bay, ON	VBA	161.65	100	-
- Horn, ON	"	161.65	100	-
Toronto, ON	VBG	...	...	... *
- Cobourg, ON	"	161.65	100	-
- Fonthill, ON	"	161.775	100	-
- Orillia, ON	"	161.65	100	-
Warton, ON	VBC	...	...	...
- Killarney, ON	"	161.775	100	-
- Meaford, ON	"	161.775	100	-
- Point-au-Baril, ON	"	-	-	- **
- Tobermory, ON	"	161.65	100	-

(\* --facilities temporarily out of service)  
(\*\*\*--proposed for spring '81)

### PACIFIC COAST

Location	Call	Freq(MHz)	Power (W)	Antenna Height (ft.)
Alert Bay, BC	VAF	162.55	100	200
- Holberg, BC	"	161.65	50	2500
Comox, BC	VAC	162.55	50	250
- Chatham Point, BC	"	161.65	50	150 *
Prince Rupert, BC	VAJ	...	...	...
- Mt. Hayes, BC	"	161.65	100	2000
Sandspit, BC	VAH	161.65	50	- **
Tofino, BC	VAE	161.65	100	250
- Eliza Dome, BC	"	162.55	4	800
- Mt. Ozzard, BC	"	161.65	50	2800
Vancouver, BC	VAI	161.65	100	900
- Mt. Parke, BC	"	161.65	50	-
Victoria, BC	VAK	161.65	5	150 ***

PACIFIC COAST (continued)

(\* --future proposal)  
 (\*\* --CMB proposed; current scheduled broadcasts at 0210, 0540, 1035, 1150, 1520, 2020 and 2220 PDT)  
 (\*\*\*) --CMB proposed; current scheduled broadcasts at 0550, 0715, 1310, 1550 and 2020 PDT)

ARCTIC / MACKENZIE WATERSHED / LAKE WINNIPEG

All broadcasts on a scheduled basis only.

Location	Call	Freq(MHz)	Power (W)	Broadcast Times
Goose Bay, NF	VFZ	161.9	100	0705 & 2050 ADT *
Churchill, MB	VAP	161.9	100	0910, 0930, 2105 & 2120 CDT *
Winnipeg (Riverton), MB	VFW-5	161.9	100	0600, 0800, 1000,
- Norway House, MB	"	161.9	100	1200, 1400, 1700, 1900 & 2100 CDT
Coral Harbour, NWT	VFU	161.9	100	0920 & 2240 EDT *
Hay River, NWT	VFH-3	161.9	-	0730 & 1930 MDT *
Inuvik, NWT	VFA	161.9	100	0905 & 2105 MDT *
Norman Wells, NWT	VFN-8	161.9	-	1000 & 1945 MDT *

(\* --regular broadcasts made during navigation season only)

Please note that power ratings are ERPs while antenna heights are given as AAT.

73s & Good DX!..., Bill

AN EARLY SPRING FOR VHF/UHF DX ENTHUSIASTS?

WHAT TO LOOK FOR IN A UHF TV DX PREAMP

WILL TRANSLATORS CROWD THE UHF TV CHANNELS?

MORE DX PHOTOS, PLUS PICTURES OF A DX SYSTEM

MORE TECHNICAL QUESTIONS AND ANSWERS

TV DXING WITH A VIDEOCASSETTE RECORDER

LATEST DX REPORTS

MUCH, MUCH MORE!

## REVIEW:

# DIGITREX ELECTRONICS

## PA-19 PREAMP

BY DAVE WILSON

I recently experimented with the PA-19 Preamp (\$9.45) made by Digitrex Electronics (4412 Fernlee; Royal Oak, MI 48073). It comes assembled on a circuit board and requires 8 to 18 VDC at 20 ma. The amp is rated at 19 dB gain for 2 to 200 MHz (-3 dB points). It has a noise figure of 4.5 dB maximum at 200 MHz. The input and output impedances are 50 ohms.

I purchased and cascaded two amps--wired the output of one to the input of another--giving a theoretical gain of 38 dB. These and an easily built 12 VDC supply were enclosed in a Radio Shack experimenters' box. Since the gain and frequency are so high, shielded cable and F-61 connectors were used. RG-59/U cable was used (75 ohms being close enough to 50 ohms for receiving use). Total cost was less than \$30.

My main interest is in PSB monitoring and I had purchased the amp as an attempt to improve the VHF High Band (146-174 MHz). Using a \$9.95 Radio Shack indoor scanner antenna, the results were very good--especially for a wideband amp.

Stations not heard before became totally readable. Some overload problems were noticed on a Bearcat 210 (probably caused by 50 kW WKSU FM a mile away), but no problems were noticed with a Regency "Touch" scanner.

This amp may be of interest to FM DXers, or for the lower VHF TV channels. Overloading may be a problem depending on nearby transmitters and the receiver--perhaps one amp rather than two cascaded ones should be used in such environments. A matching transformer will be needed to match 300 ohm twin-lead if a 300 ohm antenna is used.

Further questions or comments can be directed to me: David Wilson; 829 Allerton St.; Kent, OH 44240.

MANUFACTURER'S SPECS:

Size: 7/8" x 1-5/8" Power requirement: 20 ma @ 12 VDC Gain: 19 dB

Noise figure: 4.5 db max @ 200 MHz Bandwidth: 2 to 200 MHz

Input Impedance: 50 ohms Output Impedance: 50 ohms Tuning: None

Stability: Extremely Stable Applications: For receivers, freq. counters

No assembly required; comes with instructions and warranty, pre-tested.

## NEXT MONTH

in the

# VHF-UHF DIGEST

the official publication of the  
Worldwide TV-FM DX Association



**Q:** "Why do antenna preamps work best only if they are mounted right on the antenna itself? Since it's supposed to be their noise figure that's most important, won't they improve signals even if mounted right in back of the receiver?"

**A:** Preamps should be mounted as close as possible to the antenna terminals in order to do the most good. This is especially true in a DX system. The basic reason for this is simple: signal-to-noise ratio is at its highest at the antenna terminals. Thus, a parabolic UHF dish antenna with 22 db gain would have all of its gain, plus a zero dB noise figure, available right at the antenna terminals. Using even the lowest-loss lead in, the signal level at the antenna terminals starts to diminish with increasing line length. A good low-noise preamp may improve DX results even if mounted right in back of the receiver, but the biggest improvement will come only if the preamp is as close to the antenna as possible. The effect of a mast-mounted preamp is most noticeable (and very dramatic) at UHF channels, due to the poor noise figures of even the best UHF TV tuners. Often, this noise figure exceeds 12 db, so for good UHF DX system performance, you need a moderate-to-high gain preamp with a very low noise figure.

**Q:** "What are the main disadvantages of using preamps?"

**A:** Since all preamps are active devices, they do use additional electrical current, and while it's not much, it's something to consider. A typical power supply for a mast mounted transistor preamp will use around 5 watts or so. Secondly, the gain obtained from a preamp is not as effective as the same level of gain produced another way, such as by stacking or raising antennas. This is due to the fact that all preamps add some noise to the signal. Finally, strong local signals can cause cross-modulation in even the best of preamps. If you're trying to DX in an area close to strong local TV and FM transmitters, the use of a preamp may make DXing difficult to impossible. Fortunately, you can use traps to reduce local signal levels ahead of a preamp, or perhaps bypass the preamp with a relay system. Be sure to carefully check the specs before buying a preamp for DXing. Some models will overload and suffer from cross-modulation very easily, while others tend to be relatively immune from such problems.

**Q:** "If I use a trap to keep my UHF preamp from overloading, how much effect will it have on the other UHF channels, other than the one I'm trapping out of the system?"

**A:** Assuming you use a good quality trap, such as Blonder-Tongue's FR-UHF, insertion loss can be as low as 1 dB or less at ch 83. That's low enough so that your DX results on all other UHF channels will be practically unaffected by the addition of the trap to the system. Such a trap can be tuned for as much as 20 dB of attenuation on the unwanted local channel--that's equivalent to reducing the local signal to a tenth of its strength at your antenna terminals. That's more than enough, in most situations, to prevent your preamp from the effects of preamp overload--thus leaving you with a "clean" UHF band for DXing. Keep in mind that such traps will make the channel your local is on useless for DXing when your local is off the air, and will have an effect on the channel above and channel below as well. Mount the trap at the UHF antenna terminals, and run the output of the trap directly into your preamp, and keep any 300-ohm leads as short as possible, to prevent any additional local signal pickup. In cases where more than one UHF local causes preamp overload, the Blonder-Tongue unit mentioned above can be used to trap a second signal, as it features two independent traps. This unit, as well as models such as Winegard's UT-23, can be tuned to reduce two local signals by around 10 to 12 dB each. If you live in a local area with several strong UHF signals on TV, you may still be able to use a preamp--but it may take a bit of careful experimentation with two or more such traps. The insertion loss will increase with each additional trap that you add, but with a good preamp and parabolic dish, the overload reduction will make it completely worthwhile--and you'll have the satisfaction of being able to DX even while those bothersome high-power locals are on the air.

**Q:** "I'm using about 100 feet of RG-59/U coax cable in my FM DX set-up. I figure I have about 3 dB of line loss maximum at 108 MHz. How much additional loss is caused by the matching transformers (baluns) on the antenna and at the receiver terminals?"

**A:** The baluns in your DX system will cause about 1 dB total insertion loss--roughly  $\frac{1}{2}$  dB per unit. This is rather low when compared to the kinds of losses these matching devices can cause up on the UHF TV channels, so the balun losses in an FM DX system shouldn't be of major concern to the DXer. However, this doesn't mean that you should use cheap baluns. It's pointless to spend a lot of money on a good FM DX antenna and then use a low-cost balun. Look for one of the better outdoor models for your FM antenna--one that won't be subject to quick degradation by weather-induced moisture. You may have to spend as much as \$10 for one of the better-type outdoor baluns, but it will be worth it in the long run. If your FM receiver has a 75-ohm input, you won't need another balun at the receiver antenna terminals anyway.

**Q:** "Would replacing my RG-59/U with RG-11/U coax cable make a difference in my DX results in my FM system?"

**A:** From a DXer's standpoint, it would make for quite an improvement. In terms of dB of line loss, a good equivalent run of RG-11/U would cut the figures in half. Thus, you'd only have about  $1\frac{1}{2}$  dB of line loss at 108 MHz and that's enough to make an improvement in weak signal DX, such as tropo-scatter or meteor scatter reception modes. The improvement that RG-11 gives you over RG-59 becomes quite dramatic at the UHF frequencies. Short (50 ft. or so) runs of RG-59 really aren't worth replacing with RG-11 in the average DX system, but in a 100 ft. run, you'll be better off with RG-11. The big drawbacks are the higher price and low availability of this coax in many areas, together with the harder-to-find connectors (F-11) that you'll need.

**Q:** "It seems like all the 300-ohm splitter/combiners I have tried have high losses. Are the losses lower in 75-ohm units?"

**A:** Yes, and usually much lower. 300-ohm twinlead is very touchy when it comes to splitting and combining applications. It's very easy for them to develop high standing wave ratio (SWR) problems. For maximum convenience and efficiency, you're better off using 75-ohm coax and combiners. Some DXers are still reluctant to use coax, but when stacking and phasing antennas these days, it's practically a necessity.

**Q:** "Most of my TV and FM locals have their transmitters at the same site. Why is it that the antenna nulls do not occur in the same directions. My FM and UHF TV antennas are on one mast, and my VHF TV antenna is on another one about 25 feet away. Are the antennas interacting, and is that messing up the nulls?"

**A:** While there may be a small amount of antenna interaction (probably the greatest on the mast with the UHF and FM antennas), it's probably not the main reason that the nulls seem to be deepest in different directions on different TV and FM channels. Antenna response, and thus the depth of the nulls, varies widely with frequency. What you probably think of as "different" nulls are probably just the variations in antenna pattern beamwidth. In an all-channel VHF TV antenna, beamwidth tends to get narrower with increasing frequency; so the null on a local channel 2 would "look" very much unlike the null on a local channel 6 coming from the same tower. Local reflections can enter into this in a big way, too--especially if your DX antenna is mounted low, and in an area with lots of buildings, bridges, or power lines. This makes for unpredictable antenna patterns, to be sure, but can even occasionally be of assistance to the DXer. We know of more than one case where a similar combination of factors allows the antenna to have much better nulls than anticipated on local signals.

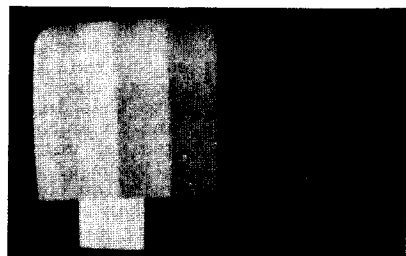
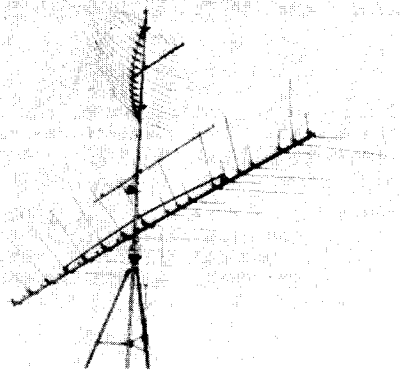
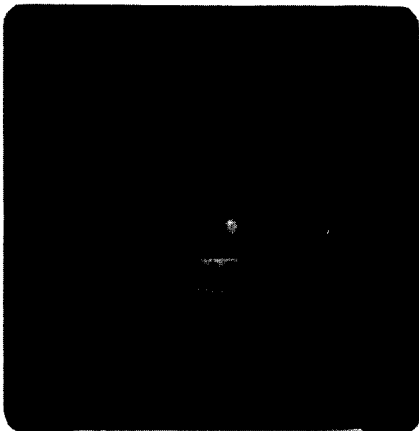
# SHOW US YOUR TV DX PHOTOS

Do you like to take photos of your TV DX? We'd like to print them in the VHF-UHF DIGEST! Send your DX photos to: PHOTO NEWS editor Jim Alexander, 4 Brook Court, Parsippany, NJ 07054.

Black-and-white photos only. In some cases, we may be able to use a color photo, if the negative is sent.

All photos will be returned, if requested. Please enclose a self-addressed stamped envelope.

PHOTO NEWS would like to feature pictures of DX set-ups and antenna systems, too. Show us your DX "shack"--send in a photo today!



## STATION BREAK

c/o Bill Thompson  
1907 Seneca Street  
Buffalo, NY 14210

WTFDA member ads only. 3 line or 30 word limit.

WANTED TO TRADE - I need U.S.A. TV GUIDES and U.S. newspaper TV guides and can supply same for most of Canada. I can also send local stickers and stuff obtained via QSL's. Saul Chernos, 79 Ridge Drive, Toronto, Ontario M4T 1B6, CANADA.

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FOR SALE - Sears 21652 cassette portable, Realistic 12-665 AM/FM and Sears 2247 AM/FM/SW/hi PSB portables. For more details, write Rick Samford, 404 S. McNeill, Burnet, TX 78611.

FOR SALE - Television Factbook--1978 Edition, excellent condition. \$35, postpaid. Fred McCormack, Box 5221, Fargo, ND 58105.

FOR SALE - Back issues of VUD: 8/75-7/76 (12 issues), \$10.00 postpaid; 4/77-4/78 (13 issues), \$10.00 postpaid; 12/77-12/79 (25 issues), \$10.00 postpaid. David Walcutt, 1521 Rutland #7, Houston, TX 77008.

WANTED - 50 ft. of new RG6/U low loss coax cable with connectors. Write to George Gallacher, R.R. 1, Box #32, Ossian, IN 46777 and state your price. Will pay for shipping!

WANTED - Looking for a good quality FM DX receiver. Write: Michael L. Hogan, 13910 Chippewa Avenue, Apt. 1, Burnham, IL 60633. Phone: (312) 868-4392.

Your non-commercial ad can appear in the VUD free of charge! Got a piece of gear you'd like to sell? Looking for something? Advertise in STATION BREAK.

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