

**VHF-UHF
DIGEST**

the official publication of the Worldwide TV-FM DX Association

FEBRUARY

1978

**THIS
MONTH!**



**VUD
MOVES WEST**

SOMETHING **NEW** UNDER THE
SUN



KTVZ-21

Serving Dynamic Central Oregon

FROM THE STAFF

WTFDA HEADQUARTERS P.O. BOX 202 WHITING, IN 46394

ON THE COVER...As the cover announces the start of a new station this edition announces the beginning of a new editorship. Frank Aden, Jr. is the new Editor-in-chief of the VHF-UHF DIGEST. All columns and feature articles should now be sent to Frank at 1535 NW Ithaca Ave., Bend OR 97701. All special articles are welcome!

CONVENTION 1978...If you have not yet mailed your 1978 WTFDA Convention ballot from the January issue please do it now! The 1978 site will be announced next month. Don't be left out in deciding where our 1978 Convention will be held! Please send all ballots to HQ in Whiting.

CANADIANS ...All members north of the border are now asked to have all renewal money orders marked "Payable in US funds." This will make it easier for HQ to process all Canadian's renewals. Thankyou!

FCC-FM...Bruce Elving reports that since his work on the new edition of the FM ATLAS has prohibited him from doing a February column FCC-FM will not be seen this month. Bruce reports he expects to have a large column next month.

NEW DEADLINE...Starting with the March issue all columns should be in Bend by the 15th of each month. This is the result of the added distance between editor and HQ. Please note some columns have moved up their deadlines to meet the new requirement.

FREQUENCY COUNTER FOR FM...The January issue of RADIO-ELECTRONICS has an interesting article on how to build your own FM receiver frequency counter.

WESTERN TV-DX...Bill Hlock has been chosen as the new editor for this column. Doug Everitt will do his last column with the April issue. All Western TV DX reports should be sent to Bill for the May issue. Since Bill does plan to have a new address by then it will be printed next month.

NORTHERN FM-DX...An editor for Northern FM-DX is now needed! If anyone is interested in being editor for this column please write Frank Aden, Jr. To forestall any more delay in printing Northern FM-DX reports the column will be printed in Bend on a temporary basis, until a new editor is found.

LATE ISSUE...This issue will be a few days late as not all VUD supplies such as column headlines and masthead were received by the 20th. Your editor has redone everything this issue to forestall anymore lateness.

continued on page 8.

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MAILBOX

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

New Members:

Denzil Aaron	16, Hibiscus Drive, Pleasant Ville	San Fernando, TRINIDAD
Mark Bailey	1414 Braden Crescent	Norfolk, VA 23502
Albert J. Bernard	179 Glastonbury Turnpike	Portland, CT 06480
Gary Casler	RR #1	Chatfield, MN 55923
Harold Cox	80 Virginia Terrace	Forty Fort, PA 18704
Neil Dickerson	426 State St.	Sharptown, MD 21861
Vernon Eaton	82 Springhill Acres, RR1	Benton, AR 72015
Dan Krause	R-4, Box 270-A	Merrill, WI 54452
Barry J. Lubas	1355 Rising Sun Ave.	Temple, PA 19560
Robert Milione	43 Sunnyside Terrace	Staten Island, NY 10301
Bill Mitchell, Jr.	316 Finley St.	N. Wilkesboro, NC 28659
John Sevier	449 E. 28th St.	Baltimore, MD 21218
Kevin Smiley	4554 Saloma Ave.	Sherman Oaks, CA 91403
Randy Tomer	Box 2674	McKinleyville, CA 95521
Michael Virtue	Route 3, Box 123-28	Merrill, WI 54452

Renewals:

Robert E. Baxter, Artie Bigley, Mike Brewer, James Brown, Jr., Bill Draeb, John Guiney, Richard Hawkins, Frank Hostetler, Albert Kopec, Doug Mackey, Dave Pomeroy, David Rogers, Roger Sabella, Rick Samford, Richard Stein, Paul Traska.

Rejoins:

Randy Dorman-8113 Spaulding Circle-Severn, MD 21144
Perry Ferrell-Box 239-Park Ridge, NJ 07656
Chuck Sampson-423 Griswold-Elgin, IL 60120

Address Changes:

Ron LeBlanc-4052 LeMans Drive-Marrero, LA 70072
Kevin Slater-1167 Ring St. N.E.-Salem, OR 97303

Renewals Due in March:

Jim Alexander, Ken Blair, Fred W. Born, Danny Buntin, Thomas Cornell, Emile Courcy, Richard W. Culin, David Curvin, Clinton Day, Mike Dorner, Wayne Fitzgerald, Bill Frahm, Ricky Glasgow, Gerard Hart, Phil Hruskocy, David Leibold, R.E. Lyons, Joe Markewicz, Dean Markoshan, Donald Marshall, Patrick Martin, Henry McCoy, Jr., George McKay, Jr., Fred Nordquist, Guy Ogden, Jim Pizzi, Les Price, Theodore Quiroz, Mike Reid, John Robertson, Bob Seybold, James Shepherd, Craig Simons, Joseph Smith, Jr., Richard Steinberger, Mike Sweeney, Pete Taylor, Kenneth Van Tassell, Steve West, Roger Winsor, Mike Worst, Neil Zank.

New Tidewater area member MARK BAILEY says he's received over 40 stations on Es on TV and over 30 Es stations on FM. He uses a Motorola b&w 19" TV.

GARY CASLER is a 17 year old student who learned about the club in Elementary Electronics. He's into TV and shortwave DX, and uses a 12" Sylvania b&w TV with a 100" longwire running north to south. Gary hopes to get a better antenna setup, but that depends on the cash available.

College professor HAROLD COX is also a member of NRC. He lists his BCB equipment as a Collins R-390A and a Drake SPR-4.

Our mailing to IRCA/NRC members last spring is still working! NEIL DICKERSON is a former member of NRC. He DXs with a Fisher RS-1060 receiver connected to a 10' rotatable beam.

From the Razorback state comes insurance man VERNON EATON. He's the proud owner of a Sony ST-5130 tuner, which is connected to stacked Channel Master 4408C antennas at 62'. He learned of the club from Bruce Elving and Communications World. Further comments from Vernon are in Tidbits.

Also joining us thanks to Communications World is 17 year old DAN KRAUSE. Dan uses a Sears color TV hooked up to an Audiotex antenna with a preamp.

Make that three in a row! BARRY LUBAS also read about us in Communications World. Barry is a pharmacist who's into TV and FM DX.

DXing the FM and VHF television bands is new member BILL MITCHELL. His DX gear includes a Realistic STA-225 receiver, a Panasonic 9" TV, and an all channel antenna with an Alliance rotor. Bill is also a CBER.

Mike Dorner helped get JOHN SEVIER get into the club thru his recent article on BCB DX in Modern Maturity magazine. John is also a member of NRC and IRCA.

TV AUDIO ONLY RECEIVERS

FEBRUARY 1978

A SPECIAL REPORT BY FRANK ADEN, JR.

One of the newest items on the receiver market is the TV Audio Only Portable Receiver. The TV DXer may find these receivers to be of some advantage in improving station totals. These advantages and the disadvantages are covered in this report.

1. Save Use of TV Receiver and Eliminate TVI when DXing BCE/SW:

By monitoring the TV Channels on an TV Audio Only Receiver a DXer can save wear and tear on his regular TV Receivers. Since many TV DXers keep their sets on all the time a audio only receiver may be advantageous in not only saving wear and tear on his visual receiver but will also save some power. If the TV DXer is also a avid BCE or SW DXer he finds by keeping his TV Receivers on all the time creates great amounts of TV interference. If he employes an audio only receiver to monitor TV channels he can also continue to DX the BCE or SW bands without problem.

2. Video Injection not needed to pull in TV Audio DX:

TV receivers today have a built in technical system where an adequate video signal must be present before the audio signal will be allowed to pass. This can be a great problem when only the audio signal is being received. If a SW or FM receiver is available video injection can be used to solve the problem but if an TV Audio Only Receiver is at hand a simpler solution is done by just monitoring the audio channels.

3. Taperecording of TV DX:

A TV DXer does not need to add a patch cord to his TV speaker to record TV DX when he has an audio only receiver. Some TV DXers have been know to use the worst method of all to record DX, using a microphone. This picks up the DX and everything else being heard nearby. Since most audio only receivers have provision for recording (ear phone jack) the problem is solved.

4. Determining Station Offsets:

If an TV Audio Only Receiver with good selectivity is obtained it can be used to tell what the frequency offsets of TV DX. Since offsets are listed in WTPDA's STATION GUIDE identifying stations becomes easier. By noting local and semi-local's offset positions on the receiver's dial they can be labelled for later reference.

5. Home away from Home TV DXing:

If a TV DXer does not have a battery operated TV set a TV Audio Only Receiver may be the thing for vacations and trips. The only problem is most of these receivers do not cover the UHF Channels. Even if a portable TV set is available an audio only receiver can help in sparing battery power for the TV receiver as most portable TV receiver battery packs are very limited in operating time. A TV DXer can monitor the audio channels first to see if anything is coming in before using his regular TV receiver. If UHF is needed though, the audio only receiver is of no help.

6. Disadvantages of the TV Audio Only Receiver:

There is some question to the quality of many audio only receiver's selectivity and sensitivity. Since these are of major concern to a TV DXer he should check out any receiver before buying. It may be possible the selectivities and sensitivities of many of these receivers may be less than many regular TV receivers. Maybe one of the WTPDA members can do a technical report on the receivers now on the market so as to inform the membership of which receivers to stay away from.

Hooking an external antenna to an audio only receiver may be of a problem as many do not have provision for them. A simple but not the best method is to run a wire from the base of the telescoping antenna on the receiver to the external antenna. Those with more technical knowledge should be able to find a better way.

The lack of coverage on the UHF channels does not allow the audio only receiver to be of much help with Tropo DX. Probably the best form of DX for the audio only receiver is for Sporadic Es where the lower channels can be monitored.

Overall the TV Audio Only Receiver maybe worth the cost if a TV DXer feels the advantages listed above are worthwhile. Anyone planning to buy one of these receivers is advised to check it out completely as possible before a final sale.

CCI (UNIDENTIFIED DX)

Frank Aden, Jr.
1535 NW Ithaca
Bend OR 97701
(503) 389-4488
Deadline: 10th

FEBRUARY 1978 HELP NEEDED FOR WTPDA STATION GUIDE!

All members are asked to examine the list of TV stations below to see if any are now listed in TV GUIDE. These stations are all recent newcomers to the air waves and I currently have no TV GUIDE listing for them (as of summer 1977 TV GUIDES) but may now be in one or more editions.

WCML-6 Alpena MI	KTEJ-19 Jonesboro AR	WMSH-46 S. Bend IN
WGTQ-8 Detour MI	WNFI-19 Norwood NY	KNCT-46 Felton TX
KECC-9 El Centro CA	WCTF-19 Cleveland OH	WEAC-49 Akron OH
KWCM-10 Appleton MN	WVTB-20 St. Johnsbury VT	WLED-49 Littleton NH
WLJT-11 Lexington TN	WRLH-31 W. Lebanon NH	WEKW-52 Keene NH
WMAE-12 Boonville MS	WMVT-36 Milwaukee WI	WCVV-57 Richmond VA
WHED-15 Hanover NH	WBDE-40 Berlin NH	WANC-62 Ashville NC
KAMU-15 College Station TX	WVTA-41 Windsor VT	WSNI-67 Patchogue NY
WLRN-17 Miami FL	WHRS-42 Boyton Beach FL	WEDY-65 New Haven CN
WWLD-18 Jackson MI	WFBC-42 Portsmouth OH	WFMZ-69 Allentown PA
WMAV-18 Oxford MS	WOUU-44 Cambridge CH	WAFV-69 Fredericksburg VA

TV HEBDO HAS TWO EDITIONS!

Walter Patton has informed CCI that TV HEBDO, the Quebec TV GUIDE type magazine has two separate editions. Walter reports TV HEBDO's EASTERN EDITION contains listings for: CBFT-2, CKCW-2, CJER-3, WCAX-3, CFCM-4, CHSJ-4, CKMI-5, WPTZ-5, CHAU-5, CBMT-6, CJPM-6, CHLT-7, CKRT-7, WMTW-8, CBGAT-9, CKSH-9, CPTM-10, CBVT-11, CBAPT-11, CFCF-12, CKRS-12, CKAM-12, CKIM-13 and CIVQ-15. The WESTERN EDITION contains: CBFT-2, WCAX-3, CFCM-4, CBOT-4, WPTZ-5, CBMT-6, CKGN-6, CHLT-7, WNNY-7, CJOH-8, WMTW-8, CHEM-8, CBOT-9, CKSH-9, CPTM-10, CBVT-11, CFCF-12, CKIM-13, CJOH-13, CIVQ-15, CIVM-17, WEZF-22, CIVO-30 and WETK-33.

Walter also reports the existence of another French Quebec TV magazine, TELESPEC, which contains CBFT-2, CJER-3, WCAX-3, CFCM-4, CKRN-4, CBOT-4, CKMI-5, WPTZ-5, CBMT-6, CJPM-6, CHLT-7, CKRT-7, WNNY-7, CJOH-8, CHEM-8, WMTW-8, CBOT-9, CKSH-9, CPTM-10, CBVT-11, CFCF-12, CKRS-12, CKIM-13, CBOT-13, CIVQ-15, CIVM-17, WEZF-22 and CIVO-30. TELESPEC'S address is Le Magazine Telespec, 1650 Berri, Suite 3017, Montreal PQ H2L 4E6. Cost is 75¢.

UNIDENTIFIED TV DX

Robert Williams, 251st 6th Ave., East, Twin Falls ID 83301 (1977 unIDs)
Thu Jun 30 Es ch 3 2037 MDT- --Beethoven's 7th Symphony on PBS station. KLINE? KENW?
(KLINE is negative, KENW has either "Evening at Fops" or "Great Performances" at this time. ---FEA)
ch 2 2040 MDT- --Same as above. (KETS, KUSD, KTCA and KGPE are all negative. ---FEA)
Fri Jul 1 Es ch 3 2103 MDT- --"NEWS 3" KARD? KTBS? KFDX? KTBS in at 2101.
Sun Jul 10 Es ch 2 1946 MDT- --"Foldark" KETS? WMAE? KUSD? KTCA? KGPE?. KPRC in at 1934. (This was the regular scheduled time for this program on PBS and most PBS ch. 2 were running it. ---FEA)
Tue Jul 12 Es ch 3 1853 MDT- --Western movie. KDAL in at 1900. PTA: Upper midwest.

Bill Hepburn, 5659 Highland Ave., Niagara Falls ONT L2G 4X2. (1977 unIDs)
Mon May 9 Es ch 3 1800 CDT- --News
1830 CDT- --"Adam 12"
1900 CDT- --"Happy Days", This and two above suspect WEAR. (WEAR checks. ---FEA)
Mon May 30 Es ch 2 1929 CDT- --"Jeffersons" PTA: Dakota area.
3 1929 CDT- --"Little House on the Prairie". PTA: Same as above
4 1929 CDT- --Same as above. (This and above are regular network time slots for this program. ---FEA)

Sun Jun 5 Es ch 3 0728 CDT- --"Jimmy Swaggert" Iowa and Nebraska in. (KDLO checks. ---FEA)

Bill Hepburn Continued.

Sun Jun 5	Es	ch	3	0817	CDT-	-Cartoons. PTA: As before. (KMTV checks. ---FEA)
		ch	6	0907	CDT-	-"Day of Discovery" (WOWT list it from 0800 to 0900. ---FEA)
		ch	4	1004	CDT-	-"Jerry Falwell". (KTIV checks. ---FEA)
		ch	3	1511	MDT-	-"ABC SPORTS", MT and SK in.
Mon Jun 6	Es	ch	2	1505	CDT-	-"Gong Show". KS and MO in. (KCKT checks. ---FEA)
		ch	3	1600	CDT-	-"Brady Bunch". (KARD checks. ---FEA)
		ch	3	1630	CDT-	-"My Three Sons". (KARD and KYTV are negative. ---FEA)
Wed Jun 8	Es	ch	2	1920	EDT-	-Police type show. WESH? (WESH is negative. ---FEA)
Fri Jun 10	Es	ch	2	1625	ADT-	-"Hollywood Squares" PTA: Maritime Provinces. (Nothing checks. ---FEA)
Sun Jun 12	Es	ch	3	1030	CDT-	-"Jerry Falwell" PTA IA and NE. (Nothing checks. ---FEA)
				1130	CDT-	-"Batman". As above. (Nothing checks. ---FEA)
Tue Jun 14	Es	ch	2	1425	CDT-	-TP. TX in.
		ch	4	1503	CDT-	-"Gong Show". KTWY? (It checks. ---FEA)
		ch	3	1505	CDT-	-Same ads as KFDX-3.
Mon Jun 20	Es	ch	3	1817	CDT-	-"To Tell the Truth", PTA: FL.
Tue Jun 21	Es	ch	3	1230	CDT-	-"Shoot for the Stars". PTA: Gulf Coast, WEAR also seen. (Nothing checks. ---FEA)
Wed Jun 22	Es	ch	2	0930	CDT-	-End of "Flintstones", KS in. (KS, MO and NE ch. 3s are all negative. ---FEA)
		ch	2	1058	CDT-	-"Howdy Doody". (KWGN checks. ---FEA)
		ch	6	1006	CDT-	-Slide like "NEXT". KWGN in. KRMA. (Probably. ---FEA)
Thu Jun 30	Es	ch	2	1830	CDT-	-"Adam 12". KMTV in. (KCKT checks. ---FEA)
Thu Jul 12	Es	ch	3	1855	ADT-	-"Startrek". PTA: Maritime Provinces. (WLEZ checks for this time. ---FEA)
Thu Jul 14	TR	ch	10	1150	EDT-	-"Family Feud" WINI???
Fri Jul 22	Es	ch	2	1830	CDT-	-"Sesame Street". WEAR in. (Not WDIQ. ---FEA)
Tue Jul 26	Es	ch	2	0912	CDT-	-"Sesame Street". KTEW in. (Not KETS. ---FEA)
		ch	3	0955	CDT-	-"News III". (Looks like KFDX's logo. ---FEA)
Sat Dec 3	Es	ch	4	1700	CDT-	-"Bonanza". Stations in for KS, GA, MO and OK. (No list-available for this late of date. ---FEA)

IDENTIFICATIONS


Jim Alexander reports he received a schedule from Paul Gaines for ch. 13 Aruba Island. Jim believes Edward Cotton's unID in the October CGI maybe this stations listed repeater on ch. 3 (In WRTVH is really on ch. 5. It may be possible the A??? on the slide is "Aruba". May also explain why "Channel" was on the slide instead of "Canal" as Aruba would be using Dutch. (Could WRTVH be wrong on the repeater? ---FEA)


CORRECTION: The November 1977 CGI had listed in Contents "ATV STATION MAP". The map was not of ATV but of RADIO QUEBEC TV, the French Quebec Public Network.

NEXT MONTH: The March CGI will contain an up-to-date TV GUIDE REGIONAL OFFICE list and the editions handled by each office. If YOU have any information to add please send it in NOW!

ALSO NEXT MONTH: Watch next month's CGI for a special ANNOUNCEMENT!

73

Free  **DX COLUMN REPORT FORMS**



Great for reporting your TV-FM DX to its respective column in the VUD. Free from HQ for only a self-addressed stamped envelope!

MEMORABILIA

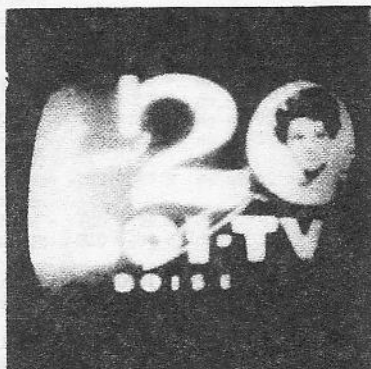
Robert J. Williams
251 6th Avenue East
Twin Falls ID 83301
Phone: (208) 733-3621
Deadline: 5th of month

February 1978

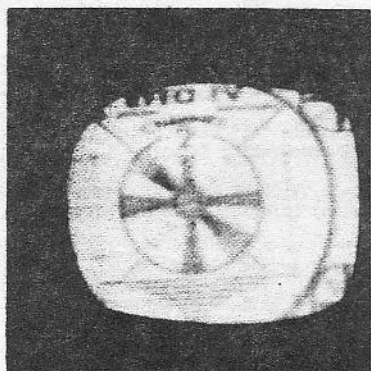
Hi, guys! Hope y'all had a happy Holiday season! It's great to be back with more happy Memories of DX Past! (Photos courtesy Bill Draeb of Ke-waunee WI).



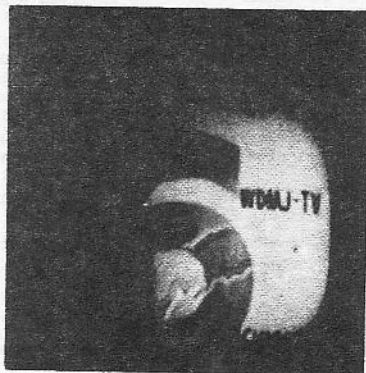
KCPX-4 Salt Lake City UT
1264 mi. Ea now KTVX 4



KBOI-2 June 10, 1969 Boise ID
1430 mi. now KBCI-2
(Taken at 0100 or later)



KFEQ-2 St. Joseph MO
500 mi. MS now KQTV-2



WDMJ-6 Marquette MI
150 mi. Tr now WLUC-6

Please note new deadline (above) for all material for this column to reach me in Twin Falls each month. See y'all in 30. 73s, gud DX,

Bob



TV-QSL

CORNER

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

- AL WIG10 43 Louisville, % 2101 Magnolia Ave. Birmingham, AL 35205. Letter from Al Renfro, Network Eng. Dir. Simon.
- GA WACS 25 Dawson, % Rt 1, Box 75-A, Parratt, GA 31777. Verified with a memorandum note from Ralph E. Snann, CE says "That sounds like us!" Simon.
- WJSP 28 Columbus, P. O. Box 5, Warm Springs, GA 31880. Send letter & postcard from John H. Davis, Transmitter Eng. who tells of another Orlando DX'er (John Combs, no doubt!) who reported to us. Simon.
- WCBW 41 Macon, P. O. Box 4328, 31208. Letter from Joe Spears, CE. Simon.
- MA WULP 22 Springfield, P. O. Box 2210, 01104. Letter from Robert F. Donahue, Dir of Public Relations, in 1 week. Goodman.
- WRLP 32 Greenfield, same address as WULP-22 above. Letter & map in 2 weeks. WRLP-32 is a satellite of WULP-22. Yingling.
- WI WJMN 3 Escanaba, % WFRV-5, 1/81 E. Mason St, Green Bay, WI 54305. Very nice letter from Harry Hill, CE & returned postage. Worth a 30 day wait!. Simon.
- MO KAOX 4 St. Louis, One Memorial Dr, 63102. Letter from Walter Wesley, CE. Simon.
- NE KNOP 2 North Platte, P. O. Box 9, 69101. Letter from Ross Hitcherson, CE. This was received while mobile in Statesboro, GA, says Ken. Simon.
- KMTV 3 Omaha, 2615 Farham, 68131. Form letter signed by Joan A. Baillon, Promotion Dept. in 8 days. Lowery.
- OH WHIO 7 Dayton, 1414 Wilmington Ave, 45401. QSL-Card in 8 days from Alan B. Higgins, CE. Walker.
- WUCET 48 Cincinnati, 1223 Central Parkway, 45214. Letter in 9 days from Ed Middleton, CE. Walker.
- PR WKAO 2 San Juan, 590 Box W, 00936. Nice letter from Rafael Oller, Sales Manager, Says "We were very happy to know that our signal penetreates so much as to reach the state of Florida. Too bad we are not permitted to sell commercial time to your state." Also send 2 logo decals. Simon.
- SD KIVU 5 Rapid city, Box 677, 57709. Letter & program book from Bill Johnston, CE in one month. Best E's from here this summer- 1,375 miles. Lowery.
- TX KTXT 5 Lubbock, Box 4359, 79409. Letter from R. E. Twilla, CE in 8 days. Lowery.
- KAMP 4 Amarillo, 2000 Polk St. Send card signed by Jim Riteer ? Same type card used by WULS & Hams. Full details. For report 7-17-76 received 7-25-77. Aden.
- KFDX 3 Wichita Falls, Box 4000, 76308. Big (8" x 10") QSL Card, no signature in 1 week with coverage map. Lowery.
- KAUZ 6 Wichita Falls, Box 2130, 76307. Friendly letter, station promotion sheets from Leon S. Hoeffner, CE in 1 1/2 weeks. Lowery.
- KRGV 5 Meslaco, P. O. Box 626, 78596. Letter in 10 days from Tom Perryman, CE Walker.
- KMOL 4 San Antonio, P. O. Box 2641, 78299. Send a nice QSL-Card with station spec's & a map of Texas. Simon.
- VA WUBT 12 Richmond, 5710 Midlothian Turnpike, 23201. Letter from David G. Frasier, Asst. Technical operations manager. Received in 15 days, no R.P. Doorman.
- WTAR 3 Norfolk, 720 Boush St, 23510. Letter from James H. Bangley, Manager of Eng. Received in 18 days & no R. P. send. Doorman.

This was another all TV QSL Month. Reporters from last month & this month are: Ken Simon, Frank Aden, Robert Walker, Grey Lowery, Randy Doorman, & Tom Yingling. This looks like a good month for tv qsl's, with San Juan, Puerto Rico verified. Ken send me a copy of the letter, too. Good luck to our new Editor-in-chief Frank Aden. Lots of luck to you Frank. I wish everybody a good year for dx in 1978, and just keep on reporting qsl's to me. 73's

FROM THE STAFF CONTINUED FROM PAGE 1.

NEW BOARD MEMBER...Frank Aden, Jr. has been appointed to the Board-of-Directors to replace Clarke Ingram. John Zondlo is WTFDA's third ANARC Representative now.

FCC TV...Former WUD Editor-in-chief Clarke Ingram is the new editor for this column. All members are asked to now send in any TV station changes to Clarke at 5201 Colewood Dr., Pittsburgh PA 15236.

SPECIAL ARTICLES...Thanks to member Albert Lobel, some reprinted material is presented in the back of this issue. All newspaper reprints are welcome!

WRTH CHANGES...Mike Dornier's WRTH changes does not appear this month as originally announced in the December WUD as it did not arrive it time for publication. Your editor hopes to have in next months issue.

VHF UTILITY DX

Pat Dyer
5119 Silverthorn Drive
San Antonio, TX 78228
Deadline: 5th of month

FEBRUARY 1978

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

5-30: 0034, WP 4876 157.3 Poplar Is., MD (FALCON, tug)
 6-19: 0810, KVR 460 162.00 Wilmington, DE (marine operator)
 25: 0048, N3906K 127.2 sw Easton, MD (Barry Associates; North American Navion; 1-engine, 5-seat)
 1813, N902 128.7 40 mi ne Atlantic City, NJ (Owens-Illinois, Inc.; Grumman G-11; 2-engine, 23-seat)
 26: 0034, 6YJGB 128.7 nr NYC (Air Jamaica Flt 41; Montego Bay-Phil)
 7-14: 0054, WYZ 7122 156.8 nr Tilgham Pt., MD (ANNAPOLITAN 2: 65'
 156.425 Luxury Tour Boat)
 1833, WA 4061 156.5 nr Tilgham Is., MD (WILL COLONNA, tug)
 16: 1733, N852PY 122.8 apx 5 mi Dover, DE (Priestley Toulmin, III; Beech Bonanza; 1-engine, 6-seat)
 23: 1647, KSE 925 39.50 Vienna, IL (county sheriff)
 31: 0123, KKC 62 44.62 Newport, AR (state police; 500 w; 300')

My loggings. Hallicrafters SX-62, Hammarlund SP-600-JX-10; two 30' wires at 12', nw-se and ne-sw runs; F2 unless noted with daily peak MUF given; bs-backscatter; new underlined; GMT used

11-11: 1725, 31 / US	30: 1815, 30.42 Can	15: 1820, 30.42 Can
2032, 36.52	12-1: 2150, 32.82	16: 2100, 32.96
2107, KOE 257 (Es)	2155, KME 438 (Es)	2135, mid-30 US
2129, KAQ 606 (Es)	2: 1602, KIF 651 (Es?)	17: 1635, hi-31 US
12: 1502, 40.85	1623, 44.85	1845, 32.96
1625, 33.04 US	R. Havana	18: 2200, 32.82
13: 1440, 36.76	1634, CLA	19: 1855, 30.30
1545, 31 US	2125, BBC-b	20: 1608, KIF 651 (Es)
14: 1730, 37.57	3: 1510, 36.15	25: 1910, 30.42 Can
15: 1940, 30-31 Can	1750, low-33 US	1940, 31.24
2002, 39.16	1800, KSC 645 (Es)	28: 2215, 30.42 Can
16: 1930, 39.16	4: 1622, 33.94 US	29: 1630, 31-32 US
1955, 30-31 Can	5: 1635, hi-35	30: 1855, 31 / US
2127, KLP 527	1717, KCD 697	31: 1910, 30.42 Can
17: 1705, 35.08	1725, KCI 315	1920, 31.24
18: 0000, KOE 257 (Es)	1727, KCB 768	1-1: 1905, mid-31 US
0033, KME 438 (Es)	KCE 587	2000, 32.96
0045, KPL 943 (Es)	1729, KCD 384	2: 1740, low-31 US
1450, 35.88	1730, KCC 493	2015, 32.96
1650, 30-32 US	2153, KME 438 (Es)	3: 1840, low-31 US
19: 1450, 35.80	6: 0345, KOE 257 (Es)	2030, 35.28
1815, 30.42 Can	1915, 32.96	4: 1930, 41.62
20: 1820, 30.42 Can	31 / US	5: 1641, 35.66 US
21: 1740, 30-31 US	7: 0021, KSC 645 (Es)	1645, <u>KTG 669</u>
1820, 32.82	1845, 30.42 Can	1647, <u>KCK 671</u>
2320, KAQ 606 (Es)	8: 1647, 30.42 Can	1658, <u>KCD 492</u>
22: 1730, 32.96	9: 0022, KIF 653 (Es)	<u>KVT 766</u>
23: 1525, 35.05	1735, 30.42 Can	<u>KGE 831</u>
1630, mid-30 US	1900, 30.42 Can	1659, <u>KEE 720</u>
24: 1845, 30.42 Can	1940, 35.28	<u>KGC 522</u>
2140, 32.82	11: 1600, 35.62 bs	<u>KEJ 451</u>
25: 2230, 35.58 bs	1635, 30.30	1700, <u>KCA 695</u>
2240, 31 / US	12: 1725, 30.42 Can	1704, <u>KCC 748</u>
2340, 32.96	1821, KPL 936 (Es)	1706, <u>KCE 721</u>
26: 1525, 30.30	2020, 35.28	1712, <u>KGE 734</u>
27: 1745, 32.82	13: 1749, OK City (Es)	1724, <u>KRV 295</u>
1900, 30.42 Can	2020, hi-38	1729, <u>KCA 378</u>
28: 1820, 30.42 Can	2052, hi-30 US	1828, 37.43
29: 1830, 30-hi Can	14: 1730, 31 / US	1841, <u>KFS</u>
2058, 35.28	1930, 36.45	6: 1625, 35's US

<u>1-6:</u> 1630, KRP 242	<u>8:</u> 1701, KCA 410	<u>10:</u> 1820, KSV 810
2015, 36.15	1718, VOA-tent	1837, KOP 303-a
2058, KSL 319	<u>9:</u> 2100, 36.76	1842, KOA 796
2120, KSV 810	2110, KSV 810	1847, KUA 288
<u>7:</u> 1827, KCA 585	2138, KOP 303-b	2030, hi-35 Sp

addenda, BBC-a, 11-7: 1713; 11: 1645; 14: 1750; 15: 1700

CLA 34.33	Cuba-hac	KIP 651	35.58	Ft Lauderdale, FL-tp
KAQ 606 35.58	Denver, CO-tp	KIP 653	35.--	Memphis, TN-tp
KCA 378 33.82	New Haven, CT-f	KLP 527	35.22	Honolulu, HI-tp
KCA 410 33.90	Wareham, MA-f	KME 438	35.22	Orange, CA-tp
KCA 585 33.90	Plymouth, MA-f	KOA 796	35.58	Portland, OR-tp
KCA 695 33.78	Manchester, NH-f	KOE 257	35.22	Phoenix, AZ-tp
KCB 768 33.98	Natick, MA-f	KOP 303a	35.46	Langley, WA-mp
KCC 493 33.94	Simsbury, CT-f	b	35.62	
KCC 748 33.94	Windsor, CT-f	KRP 942	33.48	Kingston, NY-f
KCD 384 33.94	Manchester, CT-f	KRV 295	33.96	Eastchester, NY-cf
KCD 492 33.86	Dennis, MA-f	KSC 645	35.58	Chicago, IL-tp
KCD 697 33.70	Provincetown, MA-f	KSL 319	33.10	Salem, MA-ho
KCE 587 33.98	Wayland, MA-f	KSV 810	33.08	Portland, OR-ho
KCE 721 33.70	Litchfield, CT-f	MTG 669	33.78	Midland, MD-vf
KCI 315 33.64	Beacon Falls, CT-f	KUA 288	35.22	Portland, OR-tp
KCK 671 33.90	Lake George, NY-f	KVT 766	33.78	Dover, DE-cf
KEE 720 33.78	Millburn, NJ-f	BBC-a	30.21	Ascension Island-ha
KEJ 451 33.78	Toms River, NJ-cf	-b	30.52	
KFL 936 35.58	(west)-tp	OK City	35.58	OK City, OK-vp
KFL 943 35.58	Las Vegas, NV-tp/iv	R.Havana	35.49	Havana, Cuba-ha
KFS 34.05	Palo Alto, CA-hac	VOA	30.82	Greenville, NC-ha
KGC 522 33.78	Georgetown, DE-sf	"ISPI"	109.5	Springfield, IL(ILS)
KGE 734 33.78	Lock Haven, PA-cvf	"PNT"	109.6	Pontiac, IL (VOR)
KGE 831 33.78	Wilmington, DE-cf	(last two in December column)		

f-fire, c-county, s-state, v-volunteer; ha-harmonic (hac-cw harmonic); ho-hospital; mp-mobile phone; tp-tone pager (iv-voice ID); vp-voice pager

The solar flux levels the first week of the year were the highest since Oct 1974 (and for a January the highest since 1972) peaking near 140. A large magnetic storm in the same period did mess things up a bit.

After the cut-off in my log above, F2 levels into Oregon got to near 38 MHz. Things such as that have not been regularly observed since the early 1970's.

There is word out in a few publications that Cycle 21 might peak in 1980 with a level just a shade under that of Cycle 19! If so, the TV columns in the VUD are going to get a lot of F2 reports.

PY2CSS (Sao Paulo, Brazil) back in November heard the 50.104 beacon from Hawaii three evenings, as well as some Texas signals (the latter likely due to an Es link to TE). These were around 2200-2300 GMT.

Bearcat is coming out with a new scanner this spring. It is much like their 210, but the new model 250 will have 50 channels on 5 bands. The price (retail) is \$399.95.

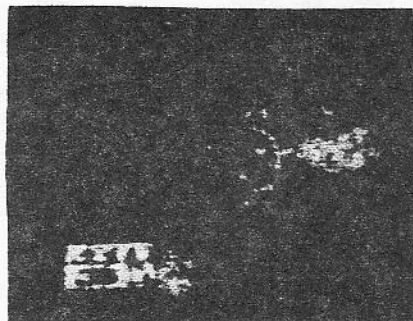
Please note the new deadline (5th of month) effective next time. This is due to HQ moving theirs. Allow 3-4 days for mail transit time.

PHOTO-NEWS

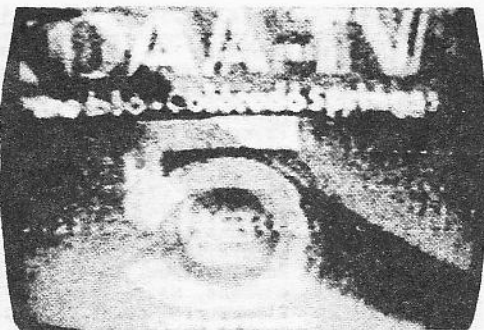
Jim Alexander
Editor
PHOTO-NEWS, P.O. Box 1000
Tulsa, Oklahoma 74101

February, 1978

This month, we have two pages of TV-skip, and the most distant tropo catch ever to appear in PHOTO-NEWS. Be sure to see John Combs' photo of KTVV-36 from across the Gulf!



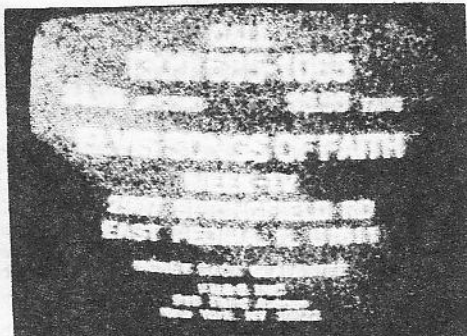
KTVV-36 Austin, TX
995 mile tropo
12/4/77 (Combs)



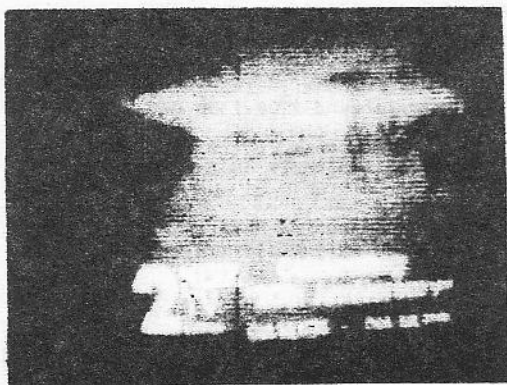
KOAA- 5 Pueblo, CO
1,350 mile E-skip
6/28/76, 1401 EDT (Brindle)



KENS- 5 San Antonio, TX
1,220 mile E-skip
June, 1976 (Gaines)



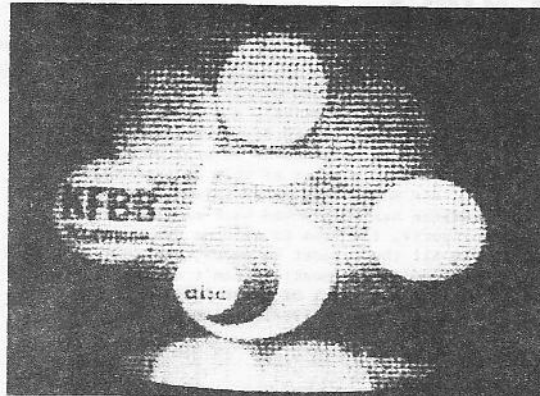
WEEK-25 Peoria, IL
444 mile tropo (Battin)



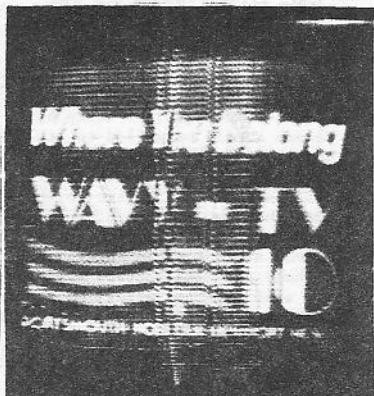
KDIX- 2 Dickinson, ND
E-skip
7/11/76 (Aden)



KMID- 2 Midland, TX
E-skip (Williams)



KFBS- 5 Great Falls, MT
E-skip (Pizzi)



WAVY-10 Norfolk, VA
220 mile tropo
(over local WCAU-10, 7 miles away)
9/1/77, 0045 EDT (West)



KEYC-12 Mankato, MN
470 mile tropo
8/26/73 (Gould)



WTCG-17 Atlanta, GA
405 mile tropo (Le Blanc)

My thanks to our
11 contributors:

John F. Combs, Orlando FL
Ed Brindle, Latrobe PA
Paul Gaines, Detroit, MI
Buck Battin, Duluth, MN
Frank Aden, Bend OR
Robert Williams, Twin Falls ID
Jim Pizzi, Orcutt, CA
Steve West, Havertown, PA
Jim Gould, Kokomo IN
Ron Le Blanc, Marrero LA
Dave Egan, Valleyfield PQ

If YOU have a printable photo of
a long-haul tropo catch... send
it in!

73 and good DX, Jim

WESTERN TV-DX

Doug Everitt
1710 W. Maine
Enid OK 73701
(405) 233-4890
Deadline: 5th

For TV DXers in all states west of the Mississippi and Canadian provinces Manitoba & west

Effective with the early April deadline (May issue deadline), all reports for this column should be mailed to its new editor: Bill Block, 133 SE 31st, Portland OR 97214. Until after the April issue deadline, reports should continue to be sent to me at the address above. I hope all of you will continue your support of this column under Bill's editorship, and I'd like to thank all of you for supporting me at this job... Please note that for my remaining columns, the deadline has been moved back to the 5th.

Before we get on with the Es Chart and reports, I'd like to welcome Frank Aden, Jr. as our new Editor-in-Chief... Let's give him all the support he needs, and don't hesitate to help out with feature articles or an unfilled column post: He can't do it all alone... I'd also like to express my appreciation for the fine work of Clarke Ingram in the EIC post over the past couple of years, especially for the professionalism he brought us.

Date	October	04	05	17	18	20	22	27	28	31	November	10	11	12	15	17	20	21	23	27
# reporters	1	1	1	2	1	1	1	2	1	1	1	1	1	1	1	1	2	1	1	1
MUF at least	2	4	2	4	2	2	4	107.9	6	2	89.7	98.7	3	3	2	6	2	2		

29	30	December	01	02	03	04	05	06	09	10	11	12	17	18	19	20	21	22	23	24	26	28	31
1	1		1	1	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1
2	4		5	3	2	4	4	3	4	3	4	3	4	2	6	6	94.9	4	106.7	4	6	3	5

Albert S. Lobel, 10514 Caminito Baywood, San Diego, California 92126

I noticed in the November issue of VHF-UHF Digest that it was reported that KFMB-8 and KCST-39 had switched networks. This is incorrect. It was KGTU-10 and KCST that were involved in a network switch. (Thanks for this info, Albert. Albert also sent a list of consistently seen stations in S.D., this will be run as space permits...de)

FROZEN DX

John Anderson, Box 186, Lowe Farm, Manitoba ROG 1E0 (Central)

Delhi 1057 at 64', CM traps, booster, Panasonic 12" b/w, Realistic PRO-3A for 41 MHz IF.	
September 1977	20 tr 0040 CBKFT 13 SK 342mi
03 tr 0117 KELO 11 SD 405mi	KPSD 13 SD 345mi
04 tr 0100 KELO 11 SD 405mi	0120 KDLO 3 SD 305mi
(over KTHI)	(exceptional signal)
KSFY 13 SD 405mi	0125 xltr 4 of KSFY
ms 0225 KWGN 2 CO 765mi	2200 KEYC 12 MN 386mi
07 tr 0000 KTSO 10 SD 370mi	2215 WHO 13 IA 560mi
0010 KHSD 11 SD 455mi	(over KFME)
(weakly o/KTHI, erratic sig)	KDIN 11 IA 560mi
0030 KPSD 13 SD 345mi	(over KTHI)
0120 KHSD 11 SD 455mi	KCCI 8 IA 560mi
19 tr 0800 KSFY 13 SD 405mi	(thru WDAZ w/PRO-3A)
KELO 11 SD 405mi	October 1977
(very hot to Minot & Fargo)	21 Au heavy hash 2-4 in PM
2000 KL01N MN 107mi	22 AE 0130 KPAR? 2 AK (T)
(Thief River Falls)	(Tentative, much CCL, but
20 tr 0000 KTSO 10 SD 370mi	heard unID fast-food chain
0015 KUSD 2 SD 455mi	ad for "Alaska Burger"!
KTIV 4 IA 470mi	Gone by 0140.....)

Unless long-haul ducting occurs at below 0°F temperatures, the trop season is about over here. We experienced our first blizzard on November 20th, with temperatures down to 20 below 0°F a few days following. Ah! The joys of winter! 73 & Good DX = John (Amazing what sarcasm can do for you when the weather's rotten, isn't it?.....de)

A THAW

B.W.Battin, 4305 Pitt, Duluth, Minnesota 55804 (Central)

November 1977	04 tr 2305 WKBD 50 MI 555mi	05 tr 2200 KSFY 13 SD 320mi
04 tr 1500 WGTU 29 MI 350mi	05 tr 0105 Peoria Us 445mi	23 tr 1430 WGVC 35 MI 425mi
WGVC 35 MI 425mi	0130 WXYZ 7 MI 555mi	1830 WSBT 22 IN 470mi
WUHQ 41 MI 475mi	0145 WKZO 3 MI 460mi	December 1977
1530 South Bend Us	0155 WQAD 8 IL 375mi	02 Au 0150 thru 4
1545 Chicago Us 405mi	Chicago Us 405mi	11 GW 2130 WLEF 36 WI 100mi
1850 Rockford Us 350mi	0240 KRGN 29 ON 580mi	14 tr 2200 Chicago Us 405mi
1915 Milwaukee Us	0245-0330 UHF unIDs	16 tr 1310 WFLD 32 IL 405mi
2100 WISN 12 WI 335mi	1735 KHIN 36 IA 435mi	1500 other Chicago Us
2200 WKAR 23 MI 485mi	1740 Sioux City Us	1520 WVTU 18 WI 335mi
2215 WEYI 25 MI 475mi	1805 WGVC 35 MI 425mi	1530 WGTU 29 MI 350mi
2240 WMSH 46 IN 470mi	1820 KTSB 27 KS 570mi	1540 South Bend Us
2300 C## 42 of CKCO	1825 WGTU 29 MI 350mi	We had some unusually
2305 WGR 62 MI 555mi	2030 KXNE 19 NE 425mi	warm weather here in mid-

B.W. Battin continued...

December, melting the snow and producing some unexpected tropo... No doubt the last I am likely to see for several months. There's a new station on the air in Park Falls WI, WLEF-36. It went on the air some time in early December; with my seven-foot dish and preamp, I get it like a local, regardless of conditions. Anyone wanting a new logging should keep an eye open for it whenever tropo's up from this part of the world. (Don't I wish...de) Here's hoping 1978 is a record year for DX! Buck (in case anyone is wondering why I said "Thanks for your Duluth reports, Buck" in the November issue: At the time that part of the column was put together, I thought Buck was leaving Duluth. He's since informed me that he plans to stay... Nevertheless, thanks, Buck.....de)

Doug Everitt, 1710 W. Maine, Enid, Oklahoma 73701 (405) 233-4890 (Central)

Somewhere along the line of production of the November VUD, a page was lost from my column for that month. Unfortunately, it was a page of my loggings...these loggings span a period from August 3rd thru September 30th. Since they include some good tropo loggings, and never reached print, I'm including them with this month's report. Please note that these predate the loggings in the December issue. Also, I have not recalculated the distances on these loggings, but they are within 20mi, to my knowledge.

<u>August 1977</u>	<u>20</u> tr 0715	KHIN 36 IA 340mi	<u>22</u> tr 2140	WMAV 18 MS 500mi
<u>03</u> Es 1205	CKVR? 3 ON (T)	KTIN 21 IA 470mi	WHNT 19 AL 660mi	
	WBEN 4 NY 1100mi	KXNE 19 NE 380mi	WHIQ 25 AL 660mi	
<u>12</u> ms 0500-0630	good burst	KYNE 26 NE 350mi	WAAV 31 AL 660mi	
levels, but no	IDs seen.	0725 KBIN 32 IA 350mi	2145 WFIQ 36 AL 590mi	
<u>13</u> Es 1145	WFMV? 2 NC (T)	KRIN 32 IA 510mi	WYUR 48 AL 660mi	
1149	WCBD 2 SC 1060mi	0730 WFIE 14 IN 590mi	2150 WTHV 9 MS 550mi	
1152	WUND 2 NC 1190mi	WKSO 29 KY 750mi	WMAO 23 MS 490mi	
	WWAY? 3 NC (T)	WKMA 35 KY 580mi	2155 WHMA 40 AL 710mi	
1920	WUND 2 NC 1190mi	0735 WLKY 32 KY 690mi	2200 WHTV 24 MS 600mi	
	WWAY 3 NC 1140mi	0755 KYIN 24 IA 530mi	2205 WMAW 14 MS 600mi	
	WUNC 4 NC 1070mi	WSBT 22 IN 730mi	WETV? 30 GA (T)	
	WRAL 5 NC 1080mi	0800 WNDU 16 IN 730mi	WTCG 17 GA 800mi	
	WECT 6 NC 1140mi	0840-1115	not here	2215 WKNO 13 TN 470mi
1929	WSJK 2 TN 810mi	1120	WMAV 18 MS 500mi	WIIQ 41 AL 640mi
	WBTW 3 NC 960mi		KTEJ 19 AR 410mi	2235 WDHN 18 AL 810mi
	WATE 6 TN 790mi	1125	WHNT 19 AL 660mi	2240 WRET 36 NC 960mi
<u>17</u> tr 2040	KTEJ 19 AR 410mi	1130	WAAV 31 AL 660mi	2245 WCCB? 18 NC (T)
<u>18</u> Aug - 15 Sep:	little DX		KLAA 14 LA 430mi	2305 WKAB 32 AL 730mi
seen, out of town	twice.	1135	WHIQ 25 AL 660mi	2310 WCOV 20 AL 730mi
<u>September 1977</u>		1140	WTCG 17 GA 800mi	2338 WJKS 17 FL 1030mi
<u>16</u> tr 2210	WFIE 14 IN 590mi	1150	WFIQ 36 AL 590mi	(Local ads and net promos)
	KTEJ 19 AR 410mi		WHMA 40 AL 710mi	<u>24</u> tr 2110
	WICS 20 IL 510mi	1200	WHAE 46 GA 800mi	WNDU 16 IN 730mi
2220	WEHT 25 IN 590mi	1205	WCWB 41 GA 860mi	WSBT 22 IN 730mi
	KDNL 30 MO 450mi	1215	WMAO 23 MS 490mi	KDNL 30 MO 450mi
	WLKY 32 KY 690mi	1230	WETV 30 GA 800mi	2115 KPLR 11 MO 450mi
2235	WSIU 8 IL 500mi	2300	WFIQ 36 AL 590mi	<u>26</u> tr 0710
	KFVS 12 MO 470mi		WMAV 18 MS 500mi	DFW local level
2310	WNDU 16 IN 730mi		KTEJ 19 AR 410mi	<u>27</u> tr 0700
2315	WSBT 22 IN 730mi		WMAO 23 MS 490mi	KDOG 26 TX 480mi
2320	WBAK 38 IN 620mi	2315	WTWV? 9 MS (T)	KHTV 39 TX 480mi
	WMTV 15 WI 630mi	2320	WRBT 33 LA 570mi	0850 KVUE 24 TX 420mi
	KDUB? 40 IA (T)		KLAA 14 LA 430mi	KTVV 36 TX 420mi
2325	WKOW 27 WI 630mi	2335	WHBQ 13 TN 470mi	0945 KNCT 46 TX 380mi
<u>19</u> tr 2130	WEHT? 25 IN (T)		(snowfree)	1005 KTBC 7 TX 420mi
<u>20</u> tr 0600	KRCG 13 MO 350mi	<u>21</u> tr 0005	WMC 5 TN 470mi	KLRN 9 TX 480mi
	KCBJ 17 MO 350mi	0900	WMAV 18 MS 500mi	KSAT 12 TX 480mi
0705	WXIX? 19 OH (T)		KTEJ 19 AR 410mi	1015 KENS 5 TX 480mi
	WEHT 25 IN 590mi	<u>22</u> tr 1100	WMAV 18 MS 500mi	1040 KUHT 8 TX 480mi
0710	KDOC 26 TX 480mi		KTEJ 19 AR 410mi	KHOU 11 TX 480mi
	KHTV 39 TX 480mi	2140	WOWL 15 AL 590mi	1055 KWTX 10 TX 330mi
0715	KDNL 30 MO 450mi		WAPT 16 MS 530mi	Es 1550 thru 4, west

An all-too-short period of a DXer's fantasy in September...Tropo on September 16th started up some time in the evening; at 2200 t/in, many UHF's were noted to the ENE. Most of these were gone by 0030. The 19th produced only an enhancement of the MO UHF's, plus some Ø on KOKH to the ENE, which might have been WEHT again. The morning of the 20th started out tamely enough, with nice sigs from many MO stations. Upon checking again at 0700, several more UHF's had popped up...and by 0730, the KY ETV stations were noted with very solid signals. When I left at 0840 (for a #2@ dentist appointment!), things were starting to wind down towards the northeastern quadrant. When I returned at 1115, I noted very little activity there, swung the dish southward, and promptly found a whole batch of UHF's pouring in with very nice signals. WHNT was making it thru KTEJ

Doug Everitt continued...

nicely, although CCI was occasionally rough, and later, when KCPT came up again, 19 was a total mess. WTCG was a complete surprise, since I had no idea of the extent of the opening at that time, but an ad for an Atlanta car dealer exposed it for what it was. WHAE was slower in coming, but peaked up much better. No sign of the supposed WATL-36. WCWB-41 was in like gangbusters, and was even reported seen on an indoor antenna near Enid... This goes to show the fantastic signal levels ducting can bring. The evening was a little tamer, but nevertheless interesting. Both the 21st and 22nd saw KTEJ and WMAV in almost all day with fluttery signals. The evening of September 22nd was outstanding, with WHTV-24, WIIQ-41 and several others just short of snowfree on the dish. At about 2237, heavy CCI was noted on WFIQ, and a swing of the dish northward brought a fair picture from WRET-36, identified by repetitive mention of Charlotte. A very weak signal on ch.18 from the same direction may have been WCCB. Finally, at 2330, I noted another station on ch.17, and by 2338, several local ads and promos had identified this as Jacksonville's WJKS... By far my best ever tropo logging, at 1030mi/1650km. By 0045, things were winding down, and all but the MO UHF's were soon gone. September 27th produced blockbuster signals from many Texas stations. Not noted in the report are several dozen enhancements of regular tropo-scatter stations, including Kansas City, Dallas-Ft. Worth, Ft. Smith, Topeka, Amarillo, the SW Missouri stations, and several others within 300mi... * Now, before I get on with my more recent loggings, I'd like to thank Glenn Hauser for his visit on November 27th... and I'd also like to give his "Review of International Broadcasting" a plug. Rather than a DX bulletin, RIB concerns the programming habits of stations around the world, and provides an open forum for discussion on listening-related topics. I suggest you write Glenn for a sample, which is 75c. His address: Glenn Hauser, WUOT, Univ. of Tenn., 245 C&E Bldg., Knoxville TN 37916. On with the recent stuff, which has been middling... Whither mid-winter skip??

November 1977 23 tr 0900 KIDZ 24 TX 19 Es 1710 WESH 2 FL
16 tr 0945 KVUE 24 TX KVUE 24 TX 1720 WPBT/WTHS 2 FL

KTVV 36 TX KTVV 36 TX
KNCT 46 TX KNCT 46 TX
19 tr 0900 KTXS 12 TX 1055 KTVF 29 AR (test pattern)

0910 KRBC 9 TX (thru KWTV) 1230 KTEJ 19 AR
0915 KWAB 4 TX (thru KTVY) December 1977

23 tr 0855 KCBJ 17 MO 12 Es 2359 XEW 2 DF K75BM Mooreland OK
KTVF-29 is new to the air in Fayetteville AR, and is a satellite of KFPW-40 in Fort Smith. They are now my best fulltime UHF signal, excepting KOKH-25, which isn't on full-time anyway... KOET-3 in Eufaula (not Eufala as previously given) is on with regular programming from OETA, and simulcasts with KOED-11 & KETA-13... However, it is on Blu Mountain, so my spelling is holding up for now....de

19 Es 1705 WEDU 3 FL (x1nt translator sigs)

Pat Dyer, 5315 Silvertip Drive, San Antonio, Texas 78228 (Central Standard)

1971 & 1976 Penncrest 9" b&w, Archer V-100, UHF bowtie at 20' with rotor.

October 1977 28 Es 1910 KOAI? 2 AZ (T) 11 Es 1850 f/out
04 Es 2010-15 KWGN 2 CO XHAQ? 5 BCN (T) 1940-55 ch.2, se

18 Es 0929 WBAY 2 WI 1190mi 1945 f/out 2035 YSR 2 El 5 1200mi

0938 MUF 4 31 Es 1000 thru 6 2115-2215 ch.2 spotty

0958 KUSD 2 SD 920mi 1029 WDTN 2 OH 1075mi 12 Es 1630-1740 thru 6

1029 KOTA 2 SD 1040mi WTWO 2 IN 935mi 1825 WCIA? 3 IL (T)

1101 KIMT 3 IA 985mi 1040 WAVE? 3 KY (T) 1843 WDTN 2 OH 1075mi

1129 KDIX 2 ND 1225mi 1220 apx f/out 1855 MUF 98.7 MHz

1136 KTWO 2 WY 1015mi --A good late October showing of Es, with that of the 28th perhaps the best day for Oct. since 1965. The number of

1215 KGFE 2 ND 1240mi pre-noon openings is also a bit odd..(How about sending some of that here?...de)

20 Es 0829 WESH 2 FL 1055mi 1928 KOAI 2 AZ 855mi

0943 WCBD? 2 SC (T) 1929 KTVK 3 AZ 835mi

27 ms 1028:30 WMAB 2 MS 1935 KVOA? 4 AZ (T)

28 Es 0759 WJMN 3 WI 1280mi 2040 f/out

WBAY 2 WI 1190mi 10 Es 2000 WJBK? 2 MI (T) 15 Es 1617-1900 thru 3, se

0829 WMT 2 IA 945mi 11 Es 1602 WAVE 3 KY 945mi 1635 Cuba 2

1016 MUF 107.9 + 1613 WSIL 3 IL 810mi 1935-40 ch.2, se

1229 KRMA 6 CO 810mi 1626 WBBM 2 IL 1045mi 17 tr 0829 KPLC 7 LA 325mi

1240 KOA 4 CO 810mi 1750 WDBO? 6 FL (T) Es 1900 KOAI? 2 AZ (T)

1245 KWGN 2 CO 810mi 1759 MUF 89.7 MHz WESH 2 FL 1055mi KORK? 3 AZ (T)

1259 KUSD 2 SD 920mi WEDU 3 FL 985mi 1940-2025 ch.2

1335 f/out 1805 WTVJ? 4 FL (T) 20 Es 1925-35 ch.2 north

1525-1620 ch.2 spotty WJXT? 4 FL (T) 21 Es 1058 KWGN 2 CO 810mi

1827 KUTV 2 UT 1080mi 1825 WPBT? 2 FL (T)

Pat Dyer continued...

<u>21</u> Es 1125 ch.2		<u>03</u> tr 1129 KETS 2 AR 515mi	<u>12</u> Es 2032 WDTN 2 OH 1075mi
1759 KWGN 2 CO 810mi		1325 WRBT 33 LA 450mi	<u>13</u> East Texas thunderstorms
1800 KRMA? 6 CO (T)		1405 WAFB? 9 LA (T)	messaging up Geminids early AM
KOA? 4 CO (T)		1900 WAPT? 16 MS (T)	<u>14</u> ms 2223:05 WMT 2 IA
1822 KDIX 2 ND 1225mi		WMAV? 18 MS (T)	<u>15</u> tr 2320 WRBT 33 LA 450mi
1835 KTWO 2 WY 1015mi		2000 WJTV? 12 MS (T)	WAFB? 9 LA (T)
1902 KNXT 2 CA 1190mi		WLPB? 27 LA (T)	<u>16</u> tr 0745 WJTV? 12 MS (T)
2045 f/out		WMAA? 29 MS (T)	KALB? 5 LA (T)
2245 KORK? 3 NV (T)	<u>04</u> tr 0005 WRBT 33 LA 450mi		1259 WLPB 27 LA 450mi
2325 f/out	0302 WFLA 8 FL 985mi		1305 KLTM? 13 LA (T)
<u>23</u> Es 2005-30 ch.2	(test pattern)		1329 WBRZ 2 LA 450mi
<u>25</u> tr 0100 KCBT 11 TX 345mi	Es 2000 WESH? 2 FL (T)	<u>17</u> Es 1755 WCCO? 4 MN (T)	1759 KTCA 2 MN 1110mi
0102 KSWO 7 OK 355mi	2025 WPBT 2 FL 1150mi		1855 WMAB? 2 MS (T)
<u>27</u> Es 2150 WDTN? 2 OH (T)	2027 WTVJ? 4 FL (T)	<u>18</u> Es 1000-10 ch.2 east	tr 2115 WBRZ? 2 LA (T)
<u>29</u> Es 1600-05 ch.2 south	<u>05</u> tr 0815 WRBT? 33 LA (T)		WAFB? 9 LA (T)
1628-1720 WESH 2 FL	WAFB? 9 LA (T)		WRBT? 33 LA (T)
<u>30</u> Es 1445 WTVJ? 4 FL (T)	Es 1805-10 ch.2	<u>19</u> tr 0544 WAFB 9 LA 450mi	WVUE 8 LA 510mi
1458 WTHS 2 FL 1150mi	1840 ch.2 north		0859 KETS 2 AR 515mi
1545 f/out	2035 KORK? 3 NV (T)		Es 1625 WCBD 2 SC 1120mi
1755 WPBT 2 FL 1150mi	2200 KNXT? 2 CA (T)		1735-1900 thru 6
	KNBC? 4 CA (T)		1748 WSB 2 GA 880mi
<u>December 1977</u>	2205 KTVK? 3 AZ (T)		1752 WBTV 3 NC 1015mi
<u>01</u> Es 1606 KNXT 2 CA 1190mi	<u>06</u> Es 1830-1940 thru 3 ne	<u>20</u> Es 0940-45 ch.2 east	1000 WESH? 2 FL (T)
1617 KNBC? 4 CA (T)	<u>09</u> Es 1635 Cuba 2		1735 ch.2
KEYT? 3 CA (T)	1635-1715 thru 4		1759 WPBT 2 FL 1150mi
1627 KTLA? 5 CA (T)	1855-1955 ch.2 south		1829 WTVJ? 4 FL (T)
1640 f/out	<u>10</u> Es 1125-1200 ch.2		1850 WPTV? 5 FL (T)
1829 KNXT 2 CA 1190mi	1159 WSJK 2 TN 1010mi		1905 WCIX? 6 FL (T)
1935 KORK? 3 NV (T)	1415-25 thru 3		1958 WESH 2 FL 1055mi
2035 f/out	1615-1755 thru 3		2000 WJXT? 4 FL (T)
<u>02</u> Es 1902 KNOP 2 NE 815mi	1730 WESH 2 FL 1055mi		2140 ch.2, sw
1927 KID? 3 ID (T)	<u>11</u> Es 1345-1500 thru 4		2230-35 ch.2,nw
KUTV 2 UT 1080mi	1359 WFMY 2 NC 1175mi		
1930 f/out	1500 WSJK? 2 TN (T)		
2020-40 thru 3	<u>12</u> Es 1740-1900 ch.2		
2100-10 ch.2	1810 WJBK? 2 MI (T)		
<u>03</u> Es 1120-40 ch.2, nw			

***Again...Effective with the early April deadline (May issue deadline), all reports for the WESTERN TV DX column should be mailed to its new editor: Bill Block, 133 SE 31st, Portland OR 97214. Until after the April issue deadline (early March) reports should

EASTERN TV-DX

Bill Thompson
1907 Seneca Street
Buffalo, NY 14210

February 1978

Deadline: 10th

There wasn't much tropo of significance throughout most of the month of November. The tropo openings that did occur were quite interesting. Roy Barstow reports some coastal catches from the Maritime provinces on November 1-3, and on the 21st, some coastal ducting to Virginia. Ken Simon's report indicates some good conditions in the Southeast on the 28th of November. At about the same time, some Midwestern DXers were enjoying a brief period of short-haul ducting in their region. This didn't last long. December began with a huge late fall storm that dumped heavy snow in the Northeast, and caused very bad icing conditions in parts of the Midwest. As it turns out, this was only a preview of things to come. Blizzards, along with very high winds, were crossing the upper Midwest and Northeast again on December 10th. By December 15th, the weather over much of the eastern half of North America had stabilized. What followed was probably the high point of this fall's tropo season for some Midwestern DXers--and after all that bad weather, it was very unexpected! A slow moving cold front cut a north-to-south frontal line through a large high that covered much of the eastern U.S., and the ducting that resulted was absolutely super. From the morning until the mid-afternoon of the 16th, Wisconsin super-DXer Bill Draeb logged many stations in the 850 to 1000+ mile range. Bill reports some very interesting UHF catches from Louisiana to Georgia. If that's not enough, some saw an early December Gulf tropo opening--we hope to have some reports in the near future. Gulf ducting usually can make anything logged over land paths look pale in comparison! There may not be too much to report for January tropo. This is being prepared on the 10th, and the first extensive "deep freezes" cold wave of winter is battering the entire continent. High winds have been reported everywhere, with record gusts of up to 100 mph in the Boston area. If what has happened to your editor's antennas so far this season is happening to other DXers, then a lot of us are going to need new DX equipment again this spring!

Scattered B-skip openings were observed by a few DXers. Activity has been noted on November 10th, 11th, 28th, 29th, 30th, December 3rd, 20th, 25th, 26th, 27th, and 29th. Indications are that the December 3rd and 26th & 27th sessions were fairly good at times in the Midwest.

The mid-December Geminids Meteor Scatter (MS) results are starting to come in, and many of us who watched for bursts weren't disappointed. Note Bill Draeb's high-band MS loggings on the morning of the 12th!

Ed Brindle 1220 College Drive Latrobe, Pennsylvania 15650 (EST/EDT)

"Before I get to my loggings, perhaps I should introduce myself. I have been a member of WFTDA for almost 3 years now, and have contributed to other VUD columns in the past, but this is my first 'shot' for the Eastern TV-DX pages. DXing in Latrobe is rough. We lie in a valley in the foothills of the Laurel mountains, with only one tropo direction...west. Not to mention the terrific winds that whip around here; it's a miracle that any antenna 'stays' up, let alone any kind of tower. Another disadvantage is our suburban location. When my system is up and working there are many locals and semi-locals: Pittsburgh chs 2, 4, 11, 13, 16, 53; Johnstown ch 6; Wheeling ch 7; Cleveland chs 3, 5, 8; Youngstown chs 21, 27, 33; Akron ch 23; Canton ch 17; and many more to the south...Here is a description of my equipment: 2 GE 12 inch B/W portables, a 5 ft. parabolic dish on a 35 foot tower, Archer VU-90 at 20 ft. (this along with a 50 foot shortwave antenna and a 1/4 wave CB antenna--my house looks like a real 'antenna farm'). During the summer you were asking for reports from Ontario... it just so happens that I spend some of my summer in Orillia (a resort town just 100 miles north of Toronto) so that too will be included in my report. In fact, some of my better loggings are from Ontario. The equipment there consists of a GE 12 inch B/W portable again (I like them, they're really sensitive considering the cost) and a mess of multi channel logs, stacked at about 30ft."

January 1977

24 Es	1700	WPTV-5 FL	6 Es	1820	WEAR-3 FL	20 Tr	0115	WJIM-6 MI
	1715	WBRZ-2 LA		1821	WPTV-5 FL		0116	WNEB-5 MI
	1725	KATC-3 LA		1830	WEDU-3 FL	22	0645	WHIZ-18 OH
			8	2300	KGFE-2 ND		0652	WCPO-9 OH
May			13 Tr	0725	WTAP-15 WV	Es	1930	KLNB-3 NE
7 Es	2058	WEAR-3 FL		0726	WHIZ-18 OH		1931	WPBT-2 FL
		WKRQ-5 AL	19	0315	WCMH-4 OH		2137	KARD-3 KS
	2059	WJXT-4 FL			WTVN-6 OH	26	1800	CBWFT-3 MB
	2158	WRHL-3 GA		0415	WSAZ-3 WV		1830	KFYR-5 ND
27 Tr	0656	CICO3-42 ON	Es	2300	KARD-3 KS		1906	CKOS-3 SK
	0658	WTVS-56 MI		2301	KFDX-3 TX		1918	CKX-5 MB
				2330	KTEW-2 OK			

June

5 Tr	2000	Detroit 50, 56	20	2157	unID-6 "WOWT?"	30	At Orillia ON:	
	2357	"UHF packed, many unIDs"	July			Tr	1130	WXYZ-7 MI
		CITY-79 ON	4 Es	1300	KDAL-3 MN	31	Es	1700
	2358	WBGU-57 OH		1328	KFYR-5 ND		1730	KARK-4 AR
	2359	CICO59-59 ON		1358	KARD-3 KS		1830	KDFW-4 TX
6	0000	CICO32-32 ON	6	1427	KINE-3 NE	Tr	2000	KTEW-2 OK
	0001	WGPB-62 MI	7	1904	WLBZ-3 MS		2100	Buffalo, Rochester, Toronto
	0002	CHLT3-48 ON		1706	WLBZ-2 ME			to Peterborough, Ottawa &
Es	1700	KFSM-5 AR		1708	unIDs 3, 5 FF		2200	Belleville U's
	1717	KFYR-5 ND		1726	CJCH6-6 NS			
	1721	KDIX-2 ND	12	1730	CJCH-5 NS	August		
	1726	unID-7 "IDed as 'Dickinson 7' then into Truth or Consequences...not listed anywhere, positive ID!!...unlisted satellite or xltr???		1130	KMTV-3 NE	5 Es	1758	KOTV-6 OK
		...is a super HBV Es catch if IDed!!!		1959	KXAS-5 TX		1800	KTVI-2 MO
	1730	WMT-2 LA	15 Tr	2300	KLNB-3 NE		1901	WABG-6 MS
	1736	KTCA-2 MN		2315	KNOP-2 NE	5 Tr	0030	Most south central Ontario V's & U's; Rochester V's
				0127	WICU-12 PA			CBOT-4 ON
				0128	WOWE-13 WV			CJOH-6 ON
				0215	WKBW-7 NY			CJOH-13 ON
				0216	WCHS-8 WV			CJOH-8 ON
				0258	CFTO-9 ON			
				0336	CHCH-11 ON			
			17	0145	WLIO-35 OH			

"We returned home later in August...since then the tower has come down again and DXing has been nil and pretty much next to impossible...I hope 1978 proves more productive...with this year's catches my log goes to a total of 157."

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

November			15 Tr	1900	WOWE-13 WV	245	15 Tr	2210	WUSI-16 IL	215
19 Tr	2300	W47AB-47 OH		1908	WESO-29 KY	275			WSIU-8 IL	
		Mansfield 155 (WOSU-34 xltr)			Lexington U's				Carbondale	320
	2305	WVU-24 WV		1910	WCHS-8 WV	265			KPLR-11 MO	305
26 GW	1830	WFFT-55 IN		1930	WSVN-47 VA	325			KBTC-9 MO	305
		Port Wayne 20		2205	WKGB-53 KY	275		2300	KLNH-30 MO	305
				25	WKMA-35 KY	270	25 Es	1720	CKCW-2 NB	1090
December				2210	Evansville V's				unIDs 3 & 4	
15 Tr	1900	WVU-24 WV			Evansville U's					

"Total log 292. Surprising number of xlters have come on the air in OH recently."

Robert Goodman 5129 W. Roosevelt Road Apt. B7 Cicero, Illinois 60650	
August (EDT)	7 Tr "nits" WRRX-13 IL 80
12 At Bronx NY:	8 "day" WZZM-13 MI 130
Tr 0520 WPVI-6 PA 100	WTHR-13 IN 160
Es 1900 unID-3	2300 WKZO-3 MI 100
13 Tr 2330 WFSB-3 CT 80	WANE-15 IN 140
September (CDT)	11 1600 WHEB-46 IN 70
6 At Cicero IL:	20 1930 unID-31
Tr 1830 WCIA-3 IL 120	
	October
	4 Tr 0015 WHEB-40 IN 160
	0900 WBAK-38 IN 170
	2335 KDUB-40 IA 160
	2345 WMBD-31 IL 120
	0100 WMTV-15 WI 120
	0130 WICS-20 IL? T
	November (CST)
	30 IS? 2055 WHEB-46 IN 70

"Bronx log new only, Cicero log new mostly. DXing equipment includes world's only crystal TV receiver!!! I'm using statute mile distances just to be consistent with most WTFDA literature, but I'm all for kilometers if there's a push for it in VUD. I've yet to break the 200 mile mark in tropo. I went after Perseids MS in New York, but I guess my lack of equipment precluded conditions; meanwhile I logged some tropo. Tropo on September 8 was so strong, even the local channel 7 weatherman John Coleman mentioned the propagation in Chicago. He then added, "So, for those of you watching us in Denver..." There was considerable QRM on locals 7 & 9, so apparently the station had gotten complaints. I replaced my UHF loop with a Radio Shack table model 15-623 twin bowtie, and saw considerable DX improvement. First new log (Sept. 11) was new station WHEB-46 South Bend...channel 31 log on Sept. 20 is big mystery. In from about 1915 to 1945, antenna pointed just slightly east of north from Cicero, the station duplicated the local WLS-7 station break exactly at 1930, right down to the logo & channel #! WLS denies translators! I can't figure a simple mechanism of harmonics and/or images. Happened during an engineering strike, but engineer denies possibility of funny business. Could some cable company have picked up WLS and resent it on 31? (CATV systems don't use UHF channels--high line losses at those frequencies make it impractical -bt) Any similar experiences, readers? Too bad my VHF tuner was broken on the great tropo night (foggy weather) of 10/28-9; I might have more logs. Studies show the average viewer changes channels quite infrequently. By contrast, I get lots of mileage from my channel selector, which probably will go down again soon (poor contacts now). The S. Bend log of Nov. 30 is significant for its characteristics. There had been fog all day, and Mike Hogan caught some tropo. I tuned in late, and scanned for DX. The only thing I caught was on 46; it lasted just a few seconds, and went from 5 by 5, thru a momentary fade, back up, and then out as if someone had pulled the plug--station denies trouble. Half an hour later, it started raining heavily here. I concluded I'd caught a very narrow duct ahead of a front. But now it occurs to me, this had the characteristics (as described in Beyond Shortwave) of lightning scatter. Could this be correct? I'll try checking weather maps & reports for the date."

David Leibold Box 279 Blyth, Ontario N0M 1H0

"Here's a report of my DX activity for last summer--pretty good Es catches! Afraid I don't have too many dates for these, but my first Es of 1977 occurred Saturday May 7th with WPBT-2 about 1500 EDT, and thanks to CCI I found WEDU-3 and WTVJ-4 there also. Next Saturday (May 14) at 1100 I had none other than WPBT-2 Miami FL again. During the summer, I found WPBT periodically with the greatest of ease. During the summer, I had at least 13 new stations by E-skip: KOA-4 Denver (QSLed), KNOP-2 North Platte NE, KWGN-2 Denver CO (these first ones were all on May 30); WJXT-4 Jacksonville FL, KUSD-2 Vermillion SD, KTVS-3 Sterling CO, KTWO-2 Casper WY, KDUH-4 Hay Springs NE, KINE-3 Lexington NE, KDFW-4 Dallas-Ft Worth TX, KFDX-3 Wichita Falls TX, WESH-2 Daytona Beach FL, WDIQ-2 Dozier-Andalusia AL...log totals 66 to date. About E-skip activity: all morning or afternoon catches are restricted to the U.S. east coast, whereas any late afternoon or evening catches are almost always towards the western U.S.A. such as Colorado, Nebraska, etc. During the fall, I saw what looked like E-skip activity on the lower channels but I haven't been able to get any identifications. My last registered skip came about September. I have had some good tropo activity. With WXON-20, WKBD-50, WTVS-56 and WGPR-62, I have all seven Detroit stations (or did they put up an eighth?). WUAB-43 along with WPVZ-25 make up most of my Cleveland stations. Also have WUCM-19...as for now, I'll be content to rest until DX season hits, and I might even try to get some out-of-season Es. 73 and gud DX."

William R. Hepburn 5659 Highland Avenue Niagara Falls, Ontario L2G 4X2
 "This is only my 2nd year of DX, but I still think I can safely say that the '77 skip season was one of the best. I do not have the proper equipment for serious tropo DXing but what I do receive with it still satisfies me. Last year's tropo was good throughout the season while this year's seemed to me to be good only on certain days. Last year WNNY-7 Watertown was received almost every day during late July and early August. This year it was seen only occasionally. CBOT-4 Ottawa, on the other hand, has been received more times than last year. I am now also into longwave DXing and have recently bought a 6-band C.G.B.E. portable with 30-50 MHz VHF, 108-146 MHz VHF, 146-174 MHz VHF, and 450-510 MHz UHF...I would never think of even attempting to DX FM because I don't feel like listening to music for 4 hours until getting an ID like 'FM-97' (Give it a try anyway; there may be a lot of non-IDers, but FM DXing is much more interesting than you think -bt). Included is my July-December log...haven't reported for so long because I hardly pick up anything worth mentioning."

July (EDT)

8 Tr 0830	CBOT-4 ON	230	27 Es 2120	WBAR-3 FL	980	16 Tr 0831	WUTR-20 NY	200		
12 Es 2000	KPLC-6 SD	1035		WCTV-6 GA	885		0833	CBOT-4 ON	230	
	KARD-3 KS?	T		WATC-3 LA	1145	26	0852	CBOT-4 ON	230	
	2225	WBRZ-2 LA	1095							
14 Tr 1150	WTHI-10 IN	500		WBDU-3 FL	1065					
	1230	WTVN-6 OH	295	28	1240	WBRZ-2 LA	1095			
	1758	CBET-9 ON	205		1250	KTBS-3 LA?	T			
Bs 1927	KUSD-2 SD	880				KINE-3 NE	1075	17 Es 2000	unIDs 2-4	
	KDLO-3 SD	905		29	1450	KQTV-2 MO	850	18	"CCI to 5 at times"	
Tr 1930	CKCO4-11 ON	160			1807	KOTA-3 SD	1205	27 Tr 0825	unID-8 NE.	
18	0805	WJAC-6 PA	190		1827	CJBR-3 QB	570		1617	
		unIDs 7 & 9	SSW.	31	1810	KCKT-2 KS	1075		CBET-9 ON	205
22 Es 1830	WBAR-3 FL	980				KARD-3 KS	1030			
	WPBT-2 FL	1120			1817	KYTV-3 MO	855			
	1900	KUPD-2 OK	1015		1845	KTVY-4 OK	1115			
	1908	KYTV-3 MO	855							
23	1041	unIDs (MUF: 6)		August	1 Es 1258	KATC-3 LA	1145			
24 Tr 1915	CKCO3-42 ON				3	1815	KARD-3 KS?	T		
	WGPR-62 MI	205					KOTV-6 OK?	T		
	WKRD-50 MI	205			1857	KWNB-6 NE	1150			
26 Es 1055	KARD-3 KS	1030				KUSD-2 SD	880			
	1127	KTVY-4 OK	1115			1928	KTVO-3 MO	725		
	1812	KOTA-3 SD	1205			1933	KINE-3 NE	1075		
		KGFB-2 ND?	T		8 Tr 0712	CBOT-4 ON	230			

September
 "no DX!!!"
October
 17 Es 2000 unIDs 2-4
 18 "CCI to 5 at times"
 27 Tr 0825 unID-8 NE.
 1617 Detroit VHFps
 CBET-9 ON 205

November (EST)
 4 Tr 2217 CBOT-4 ON 230
 5 0927 CBOT-4 ON 230
 7 Es? 1848 "strong hash on ch 2 from west"
 28 Es "weak ch 2"
 29 "weak ch 2"

December
 3 Es 1800 KARD-3 KS 1030
 1902 WRBL-3 GA 800
 1920 KYTV-3 MO 855
 1927 KOBT-3 OK
 Bufala 1045

William J. Draeb Ellis St. R.R.#2 Kewaunee, Wisconsin 54216 (CDT/CST)

November		December								
4 Tr 2005	KHIN-36 IA	457	15 Tr 0842	WKYT-27 KY	473					
	2019	KBIN-32 IA	476		WKPC-15 KY	437				
	2025	CBLF-25 ON	410		0850	WTVQ-62 KY	473			
		CICQ28-28 ON	345		0852	WTVK-26 KY	626			
5	0008	CICA-19 ON	410	1810	WSAV-3 NC?	T	0857	WKON-52 KY	437	
		CBLF-25 ON	410		WTVZ-4 SC?	T		WDRB-41 KY	437	
		CKCO18-18 ON	325		WJXT-4 FL?	T		WKHA-35 KY	551	
		CKGN22-22 ON	413		WESH-2 FL?	T	1712	WFPL-55 IN		
13	1926	KDNL-30 MO	432	1839	WBAR-3 FL	986		Fort Wayne	268	
14	1815	WKYT-27 KY	473		WDIQ-2 AL	925	16	1945	KDNL-30 MO	432
18	2051	KDNL-30 MO	432		1841	WKRG-5 AL	967	0755	WRBL-33 IA	1002
28 Es 1820	WDIQ-2 AL	925			1843	WTVY-4 AL	934		WLBP-27 LA?	T
		WBAR-3 FL?	T		1955	WCBI-4 MS?	T		"buried under	
	1832	WTVZ-4 SC?	T			WNAB-2 MS?	T		WKOW-27"	
	1835	WSJK-2 TN?	T	2030		"all gone"			WMAV-18 MS	715
		WTVY-4 AL?	T	10 Tr 1427	WLEP-36 WI				WAPT-16 MS	866
	1845	"all gone"			Park Falls	180			WMAA-29 MS	866
29 Tr 1830	KDNL-30 MO	432			"* or - offset"			WVUT-22 IN	405	
		WOSU-34 OH	395	11	2033	KDNL-30 MO	432		WCFP-33 AL	791
		WKYT-27 KY	473	12 MS 0522	KATV-7 AR	770		0818	WFLE-14 IN	420
		WKPC-15 KY	437		0542	KPLC-7 LA			WHEH-25 IN	420
		Dayton U's	368			Lake Charles	1040		WHTV-24 MS?	T
		WOAB-43 OH	340			"* second snow free		0840	KLAA-14 LA?	T
	1915	Erie U's	405			burst of 3/4 color			WJBT-24 PA	405
	1927	WFMAJ-21 OH	420			bars with call, loca-		0845	WQLN-54 PA	405
		WKHN-27 OH	420			cation & NBC logo			WMAW-14 MS?	T
	1951	WUTV-29 NY	445			in lower right"		0854	WPBO-42 OH	462
	2038	WTTU-30 IL	376	15 Tr 0842	WRSO-29 KY	538			WBMG-42 AL	768
									WAAV-31 AL	685

William J. Draeb (continued)

December		16 Tr 1244 WABW-14 MS		16 Tr 1756	
16 Tr 1215	WHNT-19 AL 685		Meridian 947		WKSO-29 KY 538
	WKLB-46 KY 473		"Ided @ 1500"	2017	WLBY-18 KY 473
	WYTV-33 OH 420	1300	WCVN-54 KY 407	23	WUTV-29 NY 445
	WHAB-46 GA? T	1508	WJSP-28 GA	26 Es 2000	WUTV-29 NY 445
1230	WHHA-40 AL? T		Warm Springs 853		KMID-2 TX 1176
	WKHN-27 OH 420	1515	WACS-25 GA		KENW-3 NM 1103
1235	WGIO-43 AL		Dawson 900	2003	KWAB-4 TX 1135
	Louisville 892		WRIP-61 TN 671	2011	KAMR-4 TX 991
	"Ided @ 1530"	1540	WCLP-18 GA? T	2045	KTXT-5 TX 1105
	WTUR-48 AL 685		WDHN-18 AL? T		KAVE-6 NM 1228
	WCBT-48 OH 400	1551	WTCG-17 GA? T	27	KDBC-4 TX 1350
	WXIX-19 OH 400	1554	WATL-36 GA? T	1840	CPRN-3 AT 1320
	WKON-52 KY 437	1756	WTVK-26 TN 626		CFC-2 AT 1310
1244	WKGB-53 KY 530		WKYT-27 KY 473	1914	CFCN-4 AT 1310
					KYUS-3 MT 897

"November was a slow month for DX. Some unexpected Es was the only thing that was interesting. December was an interesting month. On the 12th I saw some hi-band MS; on the 16th there was a super tropo opening to LA, MS, AL & GA and on the 26th & 27th there was Es. Ch 26 in Green Bay should be on in mid-Jan. Some news from the grapevine--the chief engineer of WAUN-FM 92.7 Kewaunee quit to join ch 26, and as a result, WAUN hasn't been on today (Jan. 1)...I guess there's no-one to run the station. Log total: 688, 388 VHF, 300 UHF."

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

October		1 Tr 0600		5 Tr 1730	
4 GW 2100	WXNB-25 MA		CKLT-9 NB		WCAK-3 VT
	Boston		0700 WCAK-3 VT		WGAN-13 ME
	"equipment tests"		0930 WVTI-41 VT		WZBF-22 VT
17 Es 1900	WTWO-2 IN	2	1930 WVII-7 ME		WSTK-33 VT
	1912 KYTV-3 MO		2100 WKBK-52 NH	21	WWBT-12 VA
	1930 WSIL-3 IL		2200 WHEB-15 NH		0140 WVBC-13 VA
20 Tr 0910	WLBZ-2 ME		2240 WZBF-22 VT		0150 WXXK-8 VA
25 1800	WBOC-16 MD		2300 WBTX-33 VT	0210	WTVR-6 VA
	WHRD-15 VA		2345 WCBB-10 ME		Richmond
	WCPB-28 MD		WMEB-12 ME	28 Es 1700	WCBI-4 MS
	WYAH-27 VA	3	2355 WCSH-6 ME		1715 WSB-2 GA
	WBFF-45 MD		0005 CBHT3-11 NS 288		1730 WBAR-3 FL
	"NJ & eastern PA UHFs"		0025 CBHT2-8 NS 322		1600 WWL-4 LA
31 2200	CKLT-9 NB		0100 CBHT-7 NB	December	
	2230 WMBG-26 ME		0105 CKLT-9 NB	2 Au 0000	WLBZ-2 ME
			0310 CBHT1-12 NS	3 Es 1910	KARK-4 AR
			Liverpool 357		1915 WCBI-4 MS
			0530 CBHT-3 NS		1930 WMAB-2 MS
			CKLT-9		WLBT-3 MS

"Not much Es as of Jan. 5, '78. Top section of TRI-X tower bent over while raising it this fall, it will have to wait 'til spring. Also, rotor on top of house is freewheeling, will tie it down pointing towards Boston. Will hang in there 'til it warms up. '73." Present log total: 237.

Randy Dorman 8113 Spaulding Circle Severn, Maryland 21144 (EDT)

June		27 Es 1130		7 Es 1600	
5 Es 1000	WEDU-3 FL 850		WEAR-3 FL 860		CJPM-6 QB 650
14 1500	KARD-3 KS 1130		July		1700 CJBR-3 QB 650
	1530 KTVC-6 KS 1280	2 Es 2100	KATC-3 IA 1090	12	1900 WLBT-3 MS 900
		6 1930	KYTV-3 MO 920	August	
				31 Tr 2322	WTAR-3 VA 160

"I hope everyone had a Merry Christmas and a Happy New Year. By the time this is printed I should be starting into a new field of DXing. I'll be getting a Realistic PRO-16A scanner with an outdoor VHF hi-lo, UHF antenna. '73s"

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

August		27 Tr 0005		31 Tr 0000	
12 Es 1900	KMTV-3 NE	30	0005 CJOH-13 ON		CBET-9 ON
	1947 KTBS-3 LA		2000 WUOC-44 OH		wiping out
	2029 KLINE-3 NE		WFBO-42 OH? T		semilocal 9
13 Tr 0015	CFCF-12 QB		2300 WUHQ-41 MI		WXYZ-7 MI
	0030 CBOFT-9 ON		Ft Wayne U's	0058	thru local 7
	CICO-24 ON		WSJV-28 IN? T		CKGN29-29 ON
14 Es 2200	unIDs 2,3 SW.		WN DU-16 IN	0151	CICO32-32 ON
18 0318	KWGN-2 CO		2330 Toledo V's & U's vy strong		WNEM-5 MI
27 Tr 0000	CBOFT-9 ON			2300	WILX-10 MI
					WDTV-5 WV

You Can Watch Big Brother on TV BY FRANK GRAY

LONDON--The nation that brought us George Orwell and his vision of a 1984 world dominated by an omnipresent TV screen barking Big Brother's commands is turning that vision into reality.

Representatives of television and telecommunications companies from around the world have been flocking to Britain in recent months to take a firsthand look at three rival information services pioneered and launched in this country. All use television as the vehicle by which to communicate "printed" information to the public.

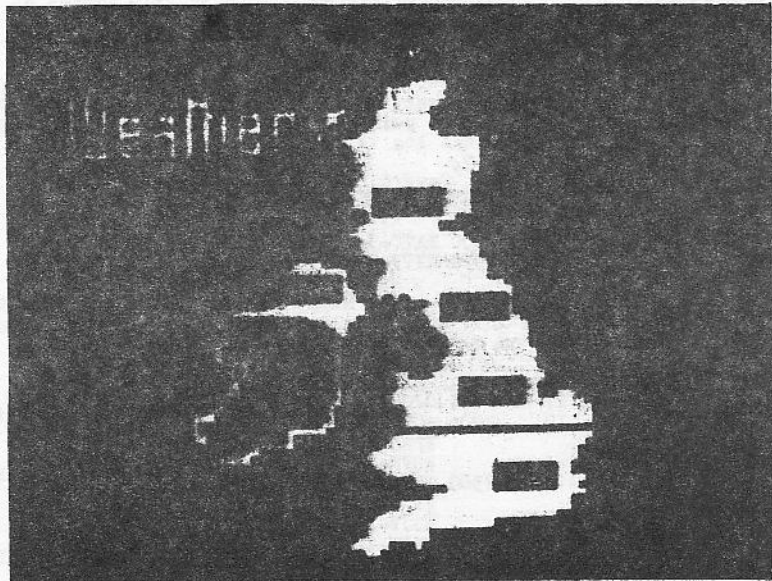
Setting the pace in the new technology are the government-owned British Broadcasting Corp. and the various commercial TV companies that comprise the Independent Broadcasting Authority, Britain's competing private network. Following not far behind with a more complicated system and one which could radically change the way the world communicates is the Government Post Office, which not only operates Britain's postal service but its telephone and telegraph systems as well.

At the moment, it is BBC and IBA systems, known respectively as Ceefax (for See the Facts) and Oracle, which are in practical use in some 6,000 British homes and offices. In its simplest terms, the BBC/IBA system is an information service that uses the existing TV channels to make available to a user, or viewer, a vast range of printed information.

This currently includes, in varying degrees of detail news flashes, sports results, weather conditions, food price indices, a theater entertainment guide and air and surface transportation information.

To gain access to such information, all a viewer needs is a specially fitted converter fixed to his set and a hand-held keypad resembling a pocket calculator. In fact, the maker of the keypads is the developer of the calculator, Texas Instruments. It is receiving competition now from two British-based firms, G.E.C. Instruments and Mullard Instruments.

With the keypad, the viewer can interrupt his regular programs by punching up an index. He then can request details in the desired categories. Within seconds, pages of printed



Current weather report on one's own TV screen is typical display of BBC's Ceefax information service.

information flash on the screen. When he's finished, a touch of the fingertips will switch him back to his program. An interesting wrinkle in this process is that the viewer also can have the information displayed over the regular picture, a useful feature for sports nuts who are watching tennis from Wimbledon while trying to find out the latest cricket results.

The IBA's London Weekend Television studios (which produced *Upstairs, Downstairs*) and the BBC both operate information centers staffed by journalists who gather the day's information and program it into their networks' computers. (Geoffrey Hughes, once a producer of the British David Frost show, is editor of Oracle at IBA. His counterpart at Ceefax is Colin McIntyre.) Both systems have the capacity to maintain on file some 300 screen-sized pages of constantly updated information throughout the day.

McIntyre explained that the twin services started in the early 1970's as a joint effort by the two networks aimed at finding a way to subtitle television news for hard-of-hearing and deaf viewers.

When it was discovered that this could be easily done on the 625-line British television screen, the BBC and IBA both began to realize the enormous potential at their disposal for providing a vast range of printed information. At this point, they began to move in separate but parallel directions, each determined to be first, with the BBC gaining a slight edge.

The systems put on their first major industrial display last year before the Institute of Electrical Engineers meeting in London. And this year, following approval by the Home Office to continue with the service, and an endorsement from Lord Annan's Committee on the Future of Broadcasting, both the BBC and the IBA's Thames Television and London Weekend Television studios have begun to promote the service actively.

But no sooner had the word about Ceefax and Oracle spread around the industry and to the public than the post office entered with its own competitive weapon, a system called ViewData.

At first appearances, ViewData looks like a carbon copy of the BBC/IBA systems. It provides information over a television set, complete with converter and digital keypad, but it also has fundamental differences, chief among these that a ViewData equipped television set is linked to a household's telephone system, which in turn is linked to the post office's vast computer system at Norwich in north-central England. This gives ViewData an information base the post office says is capable of providing up to 60,000 pages of information.

Unlike Ceefax and Oracle, the post office is not operating a newsroom that provides information to users. It is here that ViewData system differs markedly from the others and conjures up Orwellian pictures of 1984.

Its information, instead, will be supplied by the users themselves, who will be able to use their television screens to talk to one another. The post office is enlisting its first clients, mainly from the business and commercial world. The clients will be able to enter their own information--in specific format--using a special keyboard attached to his television set or by using facilities at the central post office itself. They will be able to enter enormous amounts of information, from airline schedules down to minutia such as the location of your neighborhood automobile dealer.

Whereas Oracle and Ceefax are offered virtually free once you've paid to convert your television set, ViewData will have a cost roughly equivalent to the cost of a telephone call. That is, an information provider will be charged for the time he ties up his line, as well as a charge of "a pound per page per year" of each page of information he enters. The user, likewise, will pay a telephone charge for each request he makes.

There are 20 million households in Britain with television sets, so all three organizations have a long way to go before there is any substantial impact on the nation's televiewing community.

Cost is a problem. Converters and keypads for the BBC/IBA systems cost of about 250 pounds (\$463) on top of the average cost of 250 pounds for a color TV. A ViewData set, once production starts, is estimated to cost about 1,200 pounds (\$2,200).

Numerous American television companies are experimenting with other systems, but BBC reckons that CBS has the best chance of being the first network into the American marketplace with a Ceefax system. A problem in the United States is posed by the massive geographical area and the large system of independent affiliated stations, but use of the

system either in a large urban area, such as New York, or in a statewide area, such as California, has great possibilities.

What the U.S. television companies also have to come to grips with is what to do about their advertisers, for it is during commercial breaks that the viewer is most likely to switch to his information service.

Commercial television in Britain, represented by the IBA, will have to face this problem, too, having already chosen to launch the Oracle system. Commercial TV baron Lord Lew Grade said of the issue recently:

"For 15 years, I've been trying to stop them from going to the bathroom (during commercial breaks) and now you invent this."

From SAN DIEGO EVENING TRIBUNE, Dec. 22, 1977, Submitted by Albert Lobel.

ESSEX, CA (UPI)---"Very nice", said Exa Neilson, gazing upon the first television picture ever received in Essex.

"A nice Christmas present," said Mrs. Neilson, mother of the town school-teacher, who has 20 students, and mother-in-law of Jack Howard, the post-master.

Several of the 50 or so inhabitants of Essex, a Mojave Desert hamlet about 200 miles east of Los Angeles cut off from television reception by surrounding mountains, were on hand for the ceremony Thursday marking the reception of the first TV signal.

A White Haven, PA., firm, Electronics, Missiles and Communications C., donated \$15,000 worth of equipment that allowed villagers to join the television age some three decades after the rest of the country. (Sounds like a DXers Paradise! Wonder if Cable or Translator? ---ed.)

FROM THE EDITOR

Since this is my first issue of the VUD I feel I should give the readers some background on myself.

I am 24 and have just graduated from the University of Oregon with a Bachelor of Science in Telecommunications. My main interests are in Broadcast Advertising and I hope to eventually work up into Broadcast Management.

I have been a member of WTFDA since May 1970, the same year I became interested in TV DX. In 1971 I discovered FM DX and since then have been active in both areas.

I have been CCI Column editor for almost three years as many of you know. I have attended the 1974, 1975, 1976 and 1977 WTFDA Conventions, cohosting the 1977 Convention with Bill Elock, Pat Martin and Paul Wardell in Portland, Oregon.

Currently I am also chief-compiler for the 2nd editions of the WTFDA STATION GUIDE and WTFDA TRANSLATOR GUIDE in which projects are now under way. Anyone wishing to help in these projects are asked to write.

I would like to say we should all give Clarke Ingram our thanks for making the VUD the highest quality DX magazine today and it is going to be a tough act to follow.

Italy Finally Tunes Into A Color System

By NORRIS WILLATT

from the SAN DIEGO UNION, November 6, 1977. Submitted by Albert Iobel.

Belatedly but finally, Italy is entering the color television age.

Full-scale color programming is becoming available to Italian viewers this year. It ends a 15-year era in which Italians have gone without a form of entertainment that was standard in the rest of Europe.

Behind this anomaly lies a story of procrastination, intrigue and party political conflict.

The basic cause for the delay was the strong and bitter struggle for supremacy between the West German PAL and the French SECAM color TV systems.

The battle was joined in the early 1960s when the two systems were competing for the European market.

Germany's PAL won in most of the Western Europe, a prime reason being that it is compatible with the systems in the United Kingdom and the United States.

In addition to France itself, the SECAM system was adopted in the Soviet Union and the rest of Eastern Europe and subsequently by some countries in North Africa and the Middle East.

Italy teetered between the two. This was not so much because the government could not make up its mind, but more because of pressure by the proponents of the rival systems.

The state-owned Italian broadcasting corporation, RAI, began experimental telecasts using both systems.

From the start, the technical experts favored the PAL system. But their judgment was overruled as a result of the personal intervention on the behalf of SECAM by then-President Charles DeGaulle of France.

The government in Rome decided to give SECAM a further trial. As a result, Italy's color TV progress was stalemated through the latter part of the 1960s. In 1969, the Italian technical people again decided in favor of PAL.

But the Italian economy was in recession. The politicians decided color TV could be put off until the economy recovered. That was the signal for a new outbreak of competition between SECAM and PAL.

It was not until 1975 that the politicians finally bowed to the judgment of the technicians and ruled in favor of PAL.

It was said that they also had come under strong pressure from Italian firms in the electronics business, who were incensed by the delays and favored the West German system as a way of gaining export markets.

Italians have not been entirely without color TV reception. Most fortunate are those living in the northern part of the country. They can receive color programs from stations in southern Switzerland, Monte Carlo and Yugoslavia.

Reception has been extended further south by private entrepreneurs, who have set up "booster" stations to retransmit the foreign programs as far south as Bologna, Florence even Rome.

In 1974, the Italian government tried to put a stop to this "invasion" by ordering the transmitters to be dismantled. This decision was overruled by the Italian courts.

So, with authorities worried about comparisons with the domestic black-and-white TV and Italian firms switching their TV advertising to the foreign networks, Italy is at last moving into the age of color TV.

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