

From The Staff:

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

CONVENTION '80...Dunkirk, New York is the site of the 1980 WTFDA convention. Veteran DXer Bob Seybold, host of the 1970 and 1973 WTFDA gatherings, sent in the only bid. More details on this year's event, which is likely to be held on the first weekend in August, will appear in future VUDs.

TROPO DX HISTORY MADE...On December 27th, Puerto Rican TV signals were seen via tropo ducting in central Florida. Although mostly over water, the duct formed over a rare southern path through the West Indies. Orlando DXer John Combs reports seeing an ID from Puerto Rico's channel 7, plus tentative signs of channel 12 signals. As far as we know, this is the first time a TV DXer on the North American continent has viewed signals from that Caribbean island via tropo--and a haul of over 1100 miles. John reports that the event was witnessed by visiting DXer Jim Alexander. How's that for being in the right place at the right time?

SUPER F2 TV DX CONTINUES...Co-channel interference on ch 4 from European TV stations at or near the same frequencies was fierce in mid and early December in much of Eastern Canada and the U.S. Northeast, with the Maritime provinces and New England most affected by F2 skip across the Atlantic. This month's TV DX report columns are filled with loggings of foreign TV DX signals. In case you think the peak has passed and your chances for super DX are gone, stay tuned. There should be still more transAtlantic and transPacific F2 skip openings to 50 MHz and higher in the next two months or so. Morrie Goldman's article on page 7 will show you a quick and easy way to view British ch 1 video (which should be with us for the rest of the winter, and probably again next fall) on a U.S. TV set. As a bonus, this scheme should also work for New Zealand's channel 1 video, which unlike the British, uses the same video modulation polarity as the U.S.--California DXers, take note.

THIS MONTH'S INSERT...You can find the latest WTFDA membership list in the center of this issue. Our thanks to John Zondlo for spending the New Year's holiday putting this special feature together.

TABLE OF CONTENTS

STATE OF THE CLUB.....	3
MAILBOX: A report on TV and FM in West Germany.....	5
SUPER SIMPLE SYSTEM FOR BBC VIDEO: Try it--it works!.....	7
FCC FM NEWS: Minneapolis FMs bedevil WCTS 100.3.....	8
FCC TV NEWS: More U's for New Jersey?.....	10
SOUTHERN FM DX: Best Texas-to-Florida ducting in years?.....	12
NORTHERN FM DX: A bit of good late November tropo.....	15
QSL CORNER: KCTV-8 verifies Paul Gaines' WFAA-8 catch!.....	18
INTERNATIONAL NOTES: More transAtlantic TV DX news.....	19
PHOTO NEWS: Some great shots of Es and tropo TV DX.....	20
IN SEARCH OF PSB: Arkansas State Police freqs and map.....	22
VHF UTILITY DX: Solar flux peak ties Cycle 19's highest.....	24
TECHNICAL TOPICS: About log-periodics, FM tuner quieting.....	28
EASIER TV DX: Lots of F2 TV DX this month.....	29
WISDER TV DX: November Es in Texas, plus super tropo.....	35

STATE OF THE CLUB

The year 1979 brought many changes and exciting new ventures to WTFDA. The purpose of this report is to reflect on those happenings and ponder what we can expect in 1980.

The VUD took on a new editorial slant last year with Bill Thompson as editor-in-chief. A combination of Bill's technical expertise and writing ability made for a revitalized magazine. Many of the technical articles appearing in 1979 VUDs were written by Bill, along with the regular Technical Topics column. Many fine articles discussed the great F2 conditions. More technical articles on a variety of topics are needed for the coming year, however.

New publications in 1979 included second editions of Beyond Shortwave, the UHF Translator DX Guide, and the Reprint Catalogue. Beyond Shortwave was completed just in time for sale at the ANARC convention in Minneapolis. Unfortunately, there were many typographical errors in the first printing, which will be corrected in subsequent printings. Robert Kramer put forth a herculean effort in getting out the Translator Guide, and Mike Hogan updated the Reprint Catalogue to include articles from 1977 and 1978 VUDs.

A dues increase to \$13 in September helped buoy the club finances. The raise was necessary to keep up with mounting costs. We now have approximately \$3,000 in the club savings account.

WTFDA also took a step last year toward greater fiscal accountability. Inventories will now be taken every June 30th and December 31st. Based on the inventory, figures will be determined for the saleable value of club assets and that, along with other financial data, will be used by bookkeeper Bruce Elving to put together a balance sheet and an income statement for the previous six months. These statements should start appearing in the VUD in the near future.

Membership moved up slowly but surely last year, reaching 395 at the end of December. We were hoping to have over 400 members by the time we rang out 1979. The procedure for counting members was changed in 1979. No longer is the count being made on the third of each month; instead, membership is counted on the last day of the month to better reflect the absolute high in membership each month.

The number of requests for information about the club totalled approximately 250, down slightly from 1978. A mass mailing to 428 members of IRCA, NRC and NASWA brought in 13 members. A mailing to 97 people who had dropped out of WTFDA during 1978 brought 11 back into the club. The 97 figure sent out represents a one-third drop from the number sent out the previous year, which is quite impressive. Renewal stickers attached to a member's last VUD helped keep membership up, reminding 3-5 members per month to get their dues in...otherwise, those members may have dropped out of the club.

WTFDA continued to receive publicity from Communications World, Communications Handbook, ANARC, other clubs, shortwave DX programs, and numerous publications. Most noteworthy of all, though, is a regular TV-FM DX column written by John Zondlo in CB Magazine. The column gives monthly publicity to the hobby and the club, and introduces the magazine's readers to the many publications we handle. The articles have resulted in many information requests and several new members. CB Magazine is branching out to cover hobby radio, including shortwave and PSB monitoring. We expect this relationship with CB Magazine to bring us many new members and spread the word about TV-FM DXing for many years to come.

WTFDA also traded ads with RCMA and IRCA in 1979, which helped bring new members to all clubs concerned. We hope to keep up this fine relationship with our DX friends in 1980.

The 1979 convention in Baltimore was handled most capably by Tom Yingling and Don Elevins. It featured talks on PSB radio, plus discussions for those involved in TV-FM DXing. Nearly 40 members attended the convention. Approximately \$30 profit was made on the convention, which went into the club treasury.

(State of the Club, cont.)

Topping the list of priorities for 1980 is a new edition of the TV Station Guide. The late publication of our primary information source, plus a breakdown in communications among those working on the Guide, led to yet another year without a new TVSG. If you have an order in for the new Guide and would like a refund, please write HQ. And if you would like to help with the new TVSG, contact Morrie Goldman. We will also have an update and/or new edition of the WHP Translator DX Guide, depending on the sales of the latest edition.

Recent late VUDs have started us exploring the possibility of searching for a new printer. When the NW Indiana crew took over the publishing reins in 1976, our printer, Big Red Q Quickprint of Hammond, IN, bent over backwards to help us. Now that their workload has increased, we have been given a lower and lower priority when it comes to doing our printing. We will likely pay more for a new printer, since we now have the lowest rates in NW Indiana plus a 10% discount on all orders, but the result will be a more timely VUD. Bill Thompson is now having pictures screened before sending off the paste-up, which will also speed up the printing process. Incidentally, we'll now be able to run more pictures in the VUD, thanks to the super-low rates Bill has arranged for screening.

The recent move of circulation manager John Zondlo to Oklahoma should not cause any hardship in the operation of club HQ. John will continue to edit the Mailbox column and keep the membership records. Mike Hogan will answer the routine requests for information and samples, with John Zondlo handling the rest of the inquiries. Mike will coordinate the mailing of the VUD, and will supervise the printing of special items such as QSL Report Forms, DX Log Sheets, etc.

No dues increase is anticipated in 1980 for our domestic members. The rate for foreign members will likely go up to \$20, though, due to increase mailing costs necessitated by the larger VUDs.

The Educational FM Guide and Ondas FM will not be reprinted when we run out of them this year. Response to these two publications has been extremely poor, and new editions appear unwarranted.

The membership goal for 1980 is 450 members by the end of the year. We'll continue to receive publicity from magazines and other sources, and will again send out mailings to members of other clubs and those who have dropped out of WTFDA in 1979.

Improvements planned for 1980 include a new New Member Brochure (revised to include an article on DX Software), a redesigned renewal notice card, and a price list for those writing to inquire about the price of our publications and supplies.

As always, we need the help of our members to keep this club going strong. Your contributions to the regular columns are always appreciated. There is a great need for technical articles. Please help us help you by supporting WTFDA. If you know of someone who's interested in DXing, drop us a line and we'll send them info about the club. And, of course, your comments and suggestions on the operation of WTFDA are most welcome.

If we at HQ can ever be of service, please don't hesitate to write, or call John Zondlo or Mike Hogan (phone numbers in the VUD).

May you all have a DXful 1980!

The WTFDA Board of Directors

Morrie Goldman

Mike Hogan

Pete Oprisko

Bill Thompson

John Zondlo



MAILBOX

John Zondlo
1802 N. Rockwell, Apt. 107
Bethany, OK 73008

New Members:

Nicolas Beja Baruh
Paul Mitschler
Thomas Weeden

Fte. de Verona, #37
2324 Winterwood Lane
1208 E. 4th Ave.

Mexico 10, D.F., MEXICO
Topeka, KS 66614
Brodhead, WI 53520

Renewals:

Rolf Blodorn, Richard Hawkins, Roy Horsley, Mike Mitock, Dave Pomeroy,
W.T. Ryan.

Address Changes:

Michael J. Agner-c/o Delphi Associates-169 Merrimack St., 4th floor-Lowell,
Lawrence Crane-352 State St.-Albany, NY 12210 /MA 01853
Richard Hawkins-3895 Meadowlark Lane-Cincinnati, OH 45227

Renewals Due in February:

James Brown, Jr., John Buehler, Robert Cooper, Pat Dyer, Richard Eckman,
William Hepburn, Frank Hostetler, Stephen Hullcranz, John Marx, Michael
McNeely, Frank Merrill, Rick Samford, Verrell Tallet, Richard Tidberg,
James J. Wallace, Frank Wheeler, James Yates, John Zeis.

NICOLAS BEJA BARUH is a lawyer who's into TV-FM DXing. His gear includes a Sony Trinitron 19" TV, Archer V-185 and U-75 antennas, and a Servomatic rotor. For FM, Nicolas' equipment includes a Fisher Studio Standard amplifier and a preamp. He holds the Mexican CB call letters VETTE 57.

From the Dairy State comes new member THOMAS WEEDEEN, a technician at WTVO 17 Rockford IL. Thomas is interested in BCB, FM and TV DXing, and has ham call letters WB9HME. DX gear at his shack includes a Pioneer SX-440 AM/FM receiver, an Archer 5 element yagi, and an RCA Colortrak TV with a yagi at 60'. He's been DXing TV since 1973 and has logged 23 states; on the FM side, Thomas has picked up stations in 11 states.

Tidbits.....

Association of North American Radio Clubs representatives have chosen Irvine, California, as the site of the 1980 ANARC Convention. The big event will be held at the University of California at Irvine. Host of ANARC '80 is Stewart MacKenzie of ASWLC. WTFDA reps Morrie Goldman, Pete Oprisko, and yours truly voted for Irvine, which nosed out Thunder Bay, Ontario, for the honor. More details on the convention when we receive them.

DX has been phenomenol for Glenn Jacobs: "September had some great tropes, with channel 11 at Yarmouth NS finally legged! F2 has been just unbelievable. While for some reason B1 (BBC) has not been in much, B2 Holme Moss and once in a while another B2 are in almost daily with great pictures! Jerry Pulice, Murray Bernstein and Bill Grant were over last Sunday. B2 video was in for hours and we logged B3 audio (Scotland, now a regular). Jerry Pulice, Bill Grant and myself have logged RTE channel B Dublin, Ireland, 53.25 video. It is so close to U.S. channel 2 that it can be tuned perfectly on a 525-line U.S. set. First seen at 9:05AM EST on 11/7 with test pattern - great photo taken. At 9:45AM a clock appeared on the screen reading 2:45PM. S/on came at 10AM. Between 10AM and 10:30 the signal was so strong it was snow free at times with a built-in antenna in the basement I have seen it several times since, and when it's in, it's great. Channel 2 in Utica NY cannot be watched when RTE is in. Have taken lots of super 8 movie film of this station. Should be an easy catch for most eastern members. I have also taken many shots of BBC test patterns and IDs, some snow free and clear. Sometimes, B3 53.25 audio so strong from Scotland that sound bars roar in on U.S. channel 2. Have also seen B2 video on 51.75 when strong on U.S. channel 2 when I play with the tuner. No B3 video - yet." Wow!

Member Saul Chernos has an offer for you: "I read in an old VUD re QSL'ing by DX'er. A DX'er in Toronto, for example, sends his reports of NYC stations to a DX'er in NYC...only the stations which would not reply.

(Chernos, cont.) Nothing came of this article, to a large degree. If anyone is interested - even only one or two - send me your addresses and your QSL'ing distance. Anyone who does this is welcome to mail me Toronto reports, and in return, they would get my reports. I can deal with all of metro Toronto, and various towns in Ontario...many I travel to and can phone. If anyone is interested, simply mail me your address and name and at the same time, your reports, to 79 Ridge Drive, Toronto ON M4T 1B6." The previous article Saul mentions dealt with Don Davis' QSL Bureau, which, by the way, still needs volunteers.

Now we have a few comments from Michael Koronka: "The VUD is great. Keep up the good work. My DXing has been quite poor this summer. Very few good openings. Seems when there was a good opening I had to work. I have two jobs, one at a TV repair shop and the other as an engineer at an AM radio station - so I am quite busy." Michael also notes that he's received several recent issues late. The problem is with our printer, as outlined in the State of the Club message. If you don't receive your VUD by the end of the month, please write HQ. Occasionally we'll have VUDs returned either due to P.O. error or our using the wrong address. You can help the club greatly by notifying us of address changes as soon as you move. Too many times in the last year we've had VUDs returned because the addressee left no forwarding address. And, sadly enough, we've never heard again from some of those folks, so they didn't get the full benefit from their dues."

A note for those of you who work for a radio station- WTFDA member Glenn Hauser is producing a weekly half-hour program about international broadcasting, available on a non-commercial, tape-return basis at no charge. It includes excerpts from his excellent magazine, Review of International Broadcasting (RIB), DX reports, studio and off-air features from shortwave broadcasts, etc. Available on reel or cassette. Contact Glenn for more info at WUOT, University of Tennessee, Knoxville, TN 37916. RIB is an excellent magazine for those interested in broadcast content. Subscription is \$13 per year. Info here was gathered from the November RIB.

Finally, we begin a report from A.H. Wiese in Germany which will likely take a few months to finish. I'm sure you'll find it well worth the reading. "I think it's now time that I tell you something about my DXing here in Europe, or better said, here in Munich in Bavaria. I have to admit that I'm no great TV-FM DXer - I'm more into DXing Spanish and South American AM stations than in V-UHF DXing (it seems that I'm always missing great openings). I am not sure if you are familiar with the TV and FM situation here in West Germany, so I'll tell you a little bit (as far as I know about it). TV: You may know that here in Europe no privately owned TV (nor FM) stations are allowed, except for Italy, but that's another story (friends told me you needn't go to a nightclub down there: you can see it all on your TV). Here in West Germany they are transmitting three programs. The first (ARD) is nationwide, except from 6pm to 8pm, when they are telecasting a regional program in each province. That's the only time, too, when they are allowed to carry commercials (but only before or after a film or series - never interrupting it!). At 8pm the first program prime-time begins. The second program (ZDF) is wholly nationwide, but prime-time there begins at 7pm when they are airing their big news show. You may remember that commercials are allowed only from 6 to 8pm, so the second channel is using the chance to transmit commercials in prime-time. You won't believe it: although both programs are public, they are best in catching viewers from each other. About ten or twelve years ago (depending) every regional TV center began to transmit a third (regional) program. In the beginning, they carried only a school program, but now they are a real alternative to the two other programs. I think Americans would call the third programs PBS-like. They are commercial-free, too. For you folks, I assume, it's unbelievable, but no program is aired the day over; the two great channels are beginning to program at about 4pm on weekdays, 1pm on Saturdays and 10am on Sundays. The third programs are on nearly every day at 6pm (depending). In the northern regions and along the frontier to the eastern part of Germany they are, though, transmitting an "am-program" (retransmissions from the day before, etc.). The curious thing about that is that the other stations are airing their test pattern the whole day through, beginning from 9am." We'll continue with A.H.'s report next month.

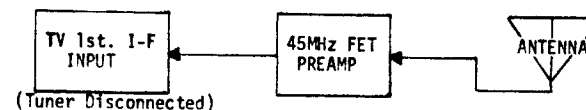
Well, that's about it from here. Your reports, comments, etc., are always welcome. See y'all next month.....73.....jz

super simple system for BBC video

by Morrie Goldman

What I'm about to describe must certainly be the quickest and easiest method to receive BBC-TV video by F2. Believe it or not, no converter is required for you to receive BBC's channel 1. While I'm sure that others have made this same discovery, it's a thought that I've had for a while and finally had the chance to prove out. When I finally saw smelly but stable British TV programs on my TV screen, it was clear that sometimes the simple solutions can work!

The secret to this solution relies on the fact that the frequency of the video i-f of US TV receivers is approximately equal to the video rf frequency of BBC's channel 1...45MHz. In theory, if the standard TV tuner was disconnected and the antenna was fed directly into the first i-f input, we'd have a 45MHz video receiver. Unfortunately, what we'd have is a very insensitive video receiver. Simply by adding a transistorized 45MHz preamp between the antenna and first i-f, sensitivity is improved and we have a fixed frequency receiver that really works.



On most TV receivers, the i-f connects to the tuner via a short cable. A male RCA phono plug is found on one end of the cable. It simply plugs into the TV tuner, or in our case, into the output of a preamp. CAUTION! Any time you open a TV receiver, it should be disconnected from AC power. Pull the plug from the AC outlet.

In my installation, I connected a basic one FET home-brew preamp. A commercial preamp, such as the PB-LO from Hamtronics should also work out well (\$10.95 kit, \$21.95 wired[specify 45MHz] + \$2 postage from Hamtronics, 182 Belmont Road, Rochester, NY 14612). A couple of connectors (RCA style phono jack for output; your choice for input) will also be needed. If not already built into the preamp, an input and output coupling capacitor should also be added. The value is not critical. In my preamp, I used 500pF at 600volts rating.

My TV receiver is a Conrac AV-12E with a Miratal video monitor. The monitor has a wider sync range than most ordinary TV sets and it is possible that your TV set will not have enough vertical and horizontal sync control to lock on the British signal. Many receivers do have enough range to reach 405 lines and 50 Hertz (vertical) by adjusting the vertical & horizontal controls. Unless you modify the video detector circuit by reversing the detector diode (only recommended for a seldom used "spare" TV set), the received video will appear as a negative picture. Also, don't expect to hear any audio. You'll need a separate tunable receiver to pick up the 41.5MHz audio. I use an old \$15 transistor portable and it does a fine job. The audio receiver is essential, as the sound will be much more clear than the video. When the two match, you've got a new logging.

The best antenna would probably be a Yagi, tuned to 45MHz. I used a poor substitute...my 6 element low-band Yagi, but even that worked. A simple dipole should also work (try changing polarization for best results). In short, don't let antenna worries stop you from trying. F2 signals can be quite strong.

As of this writing, I've received BBC video on several occasions. The video has been very smelly, but the sync has been remarkably stable. The simple system described here certainly is no match for a premium circuit converter. On the other hand, it's very easy to assemble and can provide very gratifying results. While I experiment with some converter circuit ideas, my simple system is bringing immediate results. If you've been wanting to log BBC video, this could be your easiest route. Good DXing!

(EDITOR'S NOTE: If you're planning to order one of the Hamtronics preamps described above, use their new address for speedier service: 65 D Moul Road, Hilton, NY 14460. Hamtronics' phone number is: (716) 392-9430.)

Bruce F. Elving, Editor
Box 251-KSC
Kearney NE 68847

January, 1979

There has been considerable FM station activity last month, plus my catching up on back information in preparation for a new edition FM Atlas, has resulted in all the nuggets below.

NEW STATIONS, Translators Granted
AK Fort Yukon K296BG 107.1, c (KJNP-FM 100.3 North Pole AK 1-watt translator)
AK Homer K265AG 100.9, s (KQOK Kenai), 10w
KQOK Kenai is on 100.1 MHz. (10 watts)
AZ Prescott K211AA *90.1, s (KMCJR 91.5) P / AR Cherokee Village and Hidden Valley (near Hardy) K257AD 99.3, s (WEZI 105.9 Memphis TN), 10 watts
CA Herlong and Johnstonville K249AP 97.7, s (KNIS 94.7 Carson City NV), 10 watts (LA, 10w CA Redding K224AK 92.7, r (KMFN 93.7 Chico) / CA Weaverville, Junction City and Douglas City K224AL 92.7 km (KXEZ 103.9 Yuba City) CA Yreka K220AD *91.9, s, cr (KSOR *90.1 Ashland OR) A, 10 watts
CO Leadville K228AG 93.5, c (KVOD 99.5 Denver), 10 watts
DE Camden W261AE, s (WRBS 95.1) U
FL Gainesville W252AA 98.3, gc (WKES 101.5 St. Petersburg), U (Miami FL Key West W219AA *91.9, s (WMCU 89.7 / IA Osgo 92.7 3000 h.v.; 150 feet
KS Winfield 105.5 3000 h.v.; 180' country MD Riverdale, Hyattsville & Largo W292AB 106.3, s (WRBS 95.1 Baltimore), U
MD Salisbury W265AC 100.9, s (WRBS 95.1), U
MI Charlevoix 105.9 10000 h.v.; 535'; rock
MN Crookston 97.1 10000 h.v.; 365'; rock
MS Baldwin 95.9 3000 h.v.; 300'; rock
NE McCook 95.9 1800 h.v.; 380'
NY Mahwah WRPR *90.3 10; Ramapo College
NJ Trenton *88.1 3000 h.v.; 180' Comm. College
NY Corning WCEB *91.9 10; r; reinstated permit
OR Canyonville K220AC, s, cr *91.9 (KSOR), A
OR Myrtle Creek K207AA *88.3, s (KSOR), A
OR Prineville K272AP 102.3 (KXIQ 94.1 Bend), Stereo, r, 10 watts
OR Roseburg K211AB *90.1 (KSOR 90.1), s, cr, A
PA Altoona W272AD 102.3, s (WDBA-FM 107.3); S: Was on for a while, then off, but permit probably still valid.
PA Hanover W228AB 93.5, s (WRBS 95.1) U
PA Lebanon W249AA 97.7 (WKDN 106.9 Camden NJ); this translator, with one watt, also supposed to serve Ephrata, Akron, Lancaster and Mount Joy PA!
TN Greeneville and Erwin W202AB *88.3 (WMBW 88.3 Chattanooga TN), U
TX Big Lake K272AO 102.3 rk (KRCT 94.3 Ozona TX), 10 watts
TX Brownsville K280AY 103.9, s (KDUV 100.3 Brownsville), giving KDUV a 10-watt boost inside KDUV's city of license!
TX Pecos 88.3 Spanish k and g 3000 h.v.; 77'
TX San Antonio *88.1 50000 h.v.; 450'; Community Radio Corporation
TX Silsbee 101.7 3000 h.v.; 200'; rk
UT St. George K265AH, s (KBRE-FM 94.9 Cedar City), 1, 10 watts
UT St. George K272AQ, s (KSUB-FM 92.5 Cedar City), C, 10 watts
VT Manchester and Manchester Depot W276AC 103.1, s (WRUT 97.1 Rutland), N
VA Roanoke W211AA *90.1 (WVWR 88.1 Roanoke), s, pc; also serving Sugar Loaf area.
VA Waynesboro W257AD 98.3, s (WIVE 100.1 Ashland VA), Mutual
WA Aberdeen 98.3 3000 h.v.; 17'; k
WA Ephrata K292BG 106.3, s (KIAM 104.9 Wenatchee WA), 10 watts
WA Kennewick K204AA *88.7 cg (KGTS 91.3 Colgate Place WA); A; 10 watts
WA Wenatchee K244AJ 96.7, s (KPG-FM 102.1 Wenatchee), A, 10 watts
WV Black River Falls W272AC 102.3, s (WWIB 103.7 Ladysmith WI), U (Suring WI)
WI Merrill W221AW 92.1, s (WRVM 102.7 in / PQ Sept lles 94.1 82500

DELETIONS
MS Wesson WWCL *91.1
NJ West Orange WOGH *88.9
SC Du West WARP *88.5
TX Stamford KDWT-FM 92.1
SCA ACTIVITY (+)-67 kHz
AL Tuscaloosa WUOA 95.7
CA Angwin KANG *89.9 (book
CA Pasadena KROQ-FM 16 106.7 talking / CA Thousand Oaks KCPB *91.1
CO Morrison KWBI *91.1
CT Groton WQGN 105.5 FL Fort Lauderdale Hartford WJMJ *88.9 dale WHYI 100.7 FL Fort Myers WINK-FM 96.9
IL East Moline WZCC 101.3 1X Double Z101 IL Galesburg WAAG 94.9, "Super 95," has an interesting SCA consisting of talking book and farm news.
IL Kankakee WBYG 99.9 1X
IL Moline WXP 96.9 no SCA
IL Mount Carmel WYER-FM 94.9
IL Plano WSPY 107.1 1X
IN Evansville WVHI 105.3
IN Lafayette WASK-FM 105.3
IA Emmetsburg KEMB 98.3
IA Iowa City KRNA 93.5 no SCA
KY Middleboro WMK-FM 92.7
MD Baltimore WBJC *91.5 talking book
MA Boston WBZ-FM 106.7
MA Hyannis WCOD 106.1
MI Detroit WDET *101.9 talking book
MS Ocean Springs WOSM 103.1
MO Bethany KAAK 95.9 (VT Brattleboro
MO Branson KIRK 106.3 (WMMJ 96.7
MO St. Louis KEZK 102.5 (VA Lynchburg
NJ Newark WVNJ-FM 100.3 WLS 101.7
OK Stillwater KOSU *91.7 talking book
TN Memphis WKNO-FM *91.1 talking book
TX Dallas KOAX 105.3 (VA Richmond
TX McKinney KMMK 95.3 (WRFK *106.5
UT Price KR KARB 98.3 (talking book
VA Roanoke WVVW *88.1 talking book
WV Wheeling WCPI 98.7
WI Milwaukee WKTI 94.5 no SCA; WNUW 99.1 music. PR Isabela WKSA 101.5
STEREO (\$) IN Indianapolis WIAN *90.1
IA Newton KLVN 95.9, m; no SCA
IA Sioux Center KVDR-FM 94.3, gm
IA Washington KCIH-FM 95.3, k
MD Federalsburg WCTD 107.1, k
MD Oakland WXIE 92.1; rock (vertical
MI Grand Rapids WGNR *88.9; g; also has / MI Lapeer WTHM-FM 103.1
MI Sandusky WTVG 97.7
NV Reno KUNR *88.7
NC Fayetteville WFSS *88.1 (said to be applying for 89.1, 79000); is
VA Warrenton WEER 107.7 AP Audio (630' WI Eau Claire WUEC *89.7, on air with 640 hv / WI Stevens Point WWSP *89.9
CALL LETTERS
AR Augusta 97.7 KABC-FM (from KMCW-FM)
AR Hot Springs 106.3 KACD (KXOW-FM)
CA Oakland 95.1 KWLF 1 CA Shafter 97.7
CA Temecula *88.9 KRTR (KMGH (KOEZ)
CO Durango 103.1 K276AM (not K276AN)
FL Cocoa Beach 104.1 KRKT-FM (from WRKT)
GA Rome 97.7 WKCX (WROM-FM)
GA Savannah 94.1 WCHY (WTOC-FM)
IL Chicago 98.7 WFMT (WFMT-FM)
IN Auburn 105.5 WDKB-FM (WIFF-FM)
IA Cheriton 105.5 KYRS
MO Liberty 106.5 KSAS (KFIX-FM)
MT Billings 97.1 KKQZ (KURL-FM); 35000 (h), -30'; call change affects KKQZ translators.
MT Butte 95.5 KQUY / NM Raton 94.3
MT Forsyth 101.3 KXXX, KRTN, E
NJ Union (Township) *90.5 WKNJ
NY Gouverneur 100.1 W261AB (not W261AA)

NC Belhaven 92.1 WKJA
OH Hamilton 96.5 WSKS (WLWS)
OK Oklahoma City *89.9 KOCC
TX Tyler 93.1 KTYL-FM (KTYL)
WA Bellingham 104.4 KNWR (KERI)
WI Menomonee Falls 98.3 WXJY (WZMF), S, m, no Y; "Joy FM 98"
PR Fajardo 96.5 WDOY (WMOO-FM)
FORMATS/NETWORKS
FL Miami WDNA *88.9 je, "Access-88"
FL Miami KWBI *91.1
WJMJ 96.3 (from dj), "96-X"
IL Aledo WRMJ 102.3; k (WRMJ's being on the air is the reason K272AK Davenport IA is changing its frequency to 94.3)
IL La Salle WAJK 99.3 r (not rm); 1 X SCA
IN Kendallville WAWK-FM 93.3 AP Audio
IN New Albany WPUW *90.5; je, no Stereo
IA Ankeny KAMG 106.3; k; S
IA Centerville KMGD 98.7 r
IA Fairfield KBCT 95.9
KS Lawrence KANU *91.5 cj
KLZ 105.9 r, "Laser 106"
MO Ocean City WKHI 99.9 (S)
MA Springfield WADY 102.1, still r, never having gone to d, contrary to what an earlier reporter said, still "Wacky 102."
MI Grand Haven WFMG 92.1 r
MI Grand Rapids WFFX 101.3 NBC's The Source (abbreviated "T")
MI Holland WJBL-FM 94.5 all g; leaves Stereo light on fraudulently during mono preaching programs, which is about 50% of their on-air time.
MI Mount Pleasant WCMU *89.5 (no U); P
MI Mount Uim KNUJ-FM 93.1 S (from U)
MN St. Louis Park KFMX 104.1 rd
MO Kansas City KCIUR *89.3 cj 1 VA Big Stone
MO Parkville KGSP *90.3 jr 1 Gap WLS-D-FM
MO St. Louis KSLH *91.5 talk (93.5 kr
NE Columbus KTFI-FM 93.5 Y
NE Lincoln KBHL 95.5 U; KHAT 106.3 r
NE Hastings KEZH 93.5 S; VA Gate City
NE Omaha KVNO *90.7 mp WCAT-FM
NE Wayne KTCJH-FM 104.9 rm (104.9 f
OH Eaton WJAI 92.9 k (from m); U
PA Jersey Shore WYBT 97.7 r
PA New Kensington WNUF 100.7 U (from U)
PA Pittsburgh WAMO 105.9 disco
SD Yankton KQHU 104.1 r
TX Houston KPFT *90.1 mainly cj
VA Fredericksburg WFFA-FM 101.5 m (was r)
VA Warrenton WQRA 94.3 mg
WI Meauon WRJC-FM 92.1 rm
WI River Falls WEVR-FM 106.3 km
WI Superior K210 102.102.5 "T"
WI Sparta WCOU-FM 97.1 k (from m); no stereo. WTBBS-FM 98.9 Tomah had very poor stereo; old equipment failing at these two stations?
FACILITIES Changes Granted
AR Conway KHDX *93.1 (from 89.1), 60'
CO Casperville K288B *105.5 (from K209AB, 88.7)
FL Orlando WFFF-FM *90.7 100000 h.v.; 1110'
GA Columbus WCGO 107.3 630' (100000 h.v.)
IL Morris WCSI-FM 104.7 6900 h.v. (105')
IL Peoria WKZW 93.3 40000 h.v.; 550'
IA Ames KPGY *91.9 200 h.v.; 67'
IA Burlington KGRS 107.3 100000 h.v., 21000 vertical (360') (1520')
IA Cedar Rapids WMT-FM 96.5 100000 h.v. / IA Davenport K232AH *94.3 (from K272AK *102.3)
LA Baton Rouge WPRG *107.1 10 h.v.; 130' S
LA New Orleans WWOV *89.9 630' (50000 h.v.)
MA Brookline WBSO 92.9 13000 h.v.; 860'
MI Grand Rapids WJFM 93.7 320000 h.v. (780')
MT Billings KEMC *91.7 24000 h.v.; 320'
MT Absarokee K257AJ 99.3 (from K252AJ 98.3)

FCC-FM
MT Big Timber K257AM 99.3 (from K252AE 98.3)
MT Livingston K272AM 99.3 (from K252AB 88.3)
MT Great Falls KAAK 98.9 adds vertical
NE Fremont KHUB-FM 105.5 1200 h.v.; 450'
NY Oneonta WRHO *89.7 10 w, h, v (from 89.5)
OH Bellairs WBHR *88.7 155 watts; 310 feet
OH Bend KICE 100.7 100000 h, 40000 v, 800'
OR Klammath Falls KAGO-FM 98.5 28000 h.v.; 410'
PA Bethlehem WZ20 95.1 12000 h.v.; 630'
PA Philadelphia WFI 92.5 40000 h.v.; 550'
SC Greenville *91.5 only 10 watts; Furman U
TN Elizabethton W218AA *91.5 (from W202AA *88.3)
TX Abilene KEAN-FM 105.1 810' (100000 h.v.)
TX Conroe KMCV 106.9 100000 h.v.; 570', gr, "Son-Life-107."
TX Dallas KNUS 98.7 1680' (100000 h.v.)
TX Driboll KSPF-FM 95.5 470' (50000 h.v.)
TX Longview KYXK 105.7 950' (100000 h.v.); adds Tyler-Marshall identifications
TX Lake Jackson KGOI 107.3 100000 h.v.; 940'
TX Richardson *106.9 (from *88.1), 10 watts
UT Monticello K276AK 102.1 (from K276AM 105.5)
UT Salt Lake City KWHD-FM 93.3 26000 h.v.; 3740'
VA Blacksburg WUVT *90.7 3000 h.v.; 150'
VA Kaukauna WKAU-FM 104.3 1000 h.v.; 480'
PR Aguadilla WIVA 100.3 1020' (15000 h.v.)
PR Bayamon WGSX 94.7 7000 h.v.; 1750'
PO Camp LG4 CHLG-1 100.1 28 watts
nonIDs used in Lieu of Call Letters
IL Geneseo WRSQ 105.1 FM-105 (seems to be strict)
IL Peru WIVQ 100.9 C-101
KS Topeka KDUV 100.3 V-100
MA Boston WGBH *89.7 GBH-FM 90
MN Minneapolis WAYL-FM 93.7 FM-94 (not strict)
NH Kennebec WNBX 103.7 Stereo 104
OR Portland KLLB 101.1 KB-101
TX Houston KFMK 97.9 98-FM
WV Fairmont WFGM 97.9 Stereo-98
WI Eau Claire WIAL 94.1 FM-94 (not strict)
WI Menomonee WMEQ 92.1 Q-92
Multi-City Identifications Granted
AR Augusta KABK-FM *97.7 adds Bald Knob AR
CT Groton WQGN 105.5 adds New London
IL Bloomington WBNQ 101.5 adds Normal IL
MS Pascagoula WGDU 106.3 adds Moss Point
NY Liberty WVOG-FM 95.9 adds Monticello
SC Bamberg WBBD-FM 92.7 adds Denmark SC
WA Tacoma KBRD 103.7 adds Seattle
VERTICAL (or circular) Polarization
AK Homer KGTI 103.5
AR Ozark 96.7
CA Fresno KSJV *91.5
CA Mountain Pass 99.5
CA Temecula KRTM *88.9
CA Yermo 98.1
CO Denver KHUM *89.3
CT Somers WDJW *89.7
GA Homeville WBTT *105.5
GA Toxoca Falls *90.9
ID Spangonia 95.3
IL Campaign WERU *90.1
IL Le Roy WMLA 92.7
IA Charleston KYRS 105.5
KS Baxter Springs KBLT 107.1
MA Acton WHAB *89.1
MI Dearborn WHFR *89.3
MS Starkville 92.1
MT Ronan 92.3
MT Wolf Point KYZZ 92.7
NE Chadron KQSK 97.5
NJ Madison *88.9
NM Farmington KNMI *88.9
NY Southampton WPBX *91.3
NC Belhaven 92.1
OK Frederick 95.3
TN Kingsport *90.3
TX Corpus Christi KQIV *91.9
UT Tooele KTL2 92.1
VA Lynch WEEH 103.9
VA Lurayburg WWLC *88.3
ABBREVIATIONS: S stereo; V vertical or circular polarization; E educational, C classical, D disco, E ethnic, G gospel, J jazz, K country, M middle of the road, P progressive rock, R rock, T talk.

FCC News and Readers' Reports

Satan is responsible for the bad reception of WCTS 100.3 in parts of Minneapolis, now that the five stations—KQRS-FM 92.5, WAYL-FM 93.7, WLQL 99.5, KDWB-FM 101.3, and KEYE-FM—have started transmitting from the downtown IDS Tower, according to a letter sent by WCTS to its listeners. Station manager Dennis Whitehead is asking listeners to send money to help defeat the devil and give WCTS a stronger signal from its present tower in New Brighton MN (presumably vertical polarization). Other stations are hurt by the move of the five Twin Cities' biggies, including KJSN *91.1, which has an antenna NE of WCTS, and has run a campaign to have letters sent to FCC chairman Charles Ferris to stop the problem. Newspaper columnists have run articles condemning the super power of these stations, all of which is legal, according to FCC rules. The trouble lies in the use of radios that easily overload, such as cheap imported car radios. At last report the stations were ordered to cut back to half power, or 50,000 watts horizontal and vertical each. This has caused managers of the affected stations to complain, and resulted in no increase in coverage for stations such as KEYE-FM. Perhaps to solve partially the problem, KJSN, MN Public Radio, is buying WRRD (AM), 1330 kHz fulltime for \$2 million, as a news and public affairs voice. WCTS has applied for an FM translator in Eau Claire WI, and their consultant is working on a ridiculous proposal to put in a translator in Sault Sainte Marie MI to pick up and rebroadcast WCTS at 400 miles! Not only is the distance too great (without microwaving in WCTS' signal), but a local station, CHAS 100.5 exists, to null out WCTS direct reception.

Michigan's Phil Boersma sends a tape showing some weird distortion on WFMG 92.1 Grand Haven MI, which he speculates is caused by SCA, although I have no record of WFMG even having an SCA authorization. Phil, you're gonna have to get an SCA adapter! Phil says WFFX 101.3 wants to move its transmitter to a spot three miles east of Grand Rapids. It's now about 15 miles away, near Ionia, the city to which WFFX under previous call letters wanted to be licensed, but the FCC said no. WSRX *88.5 Allendale MI is apparently upset about WGNR *88.9 Grand Rapids applying for 3000 watts. If WGNR is granted that power, WSRX will either have to find a new channel or fold. It seems that 88.1 is open to a higher power operation by WSRX, if they can find the money to increase. KOVF *91.3 Kearney will initially apply for 1 kw h & v, just to meet the FCC Jan. 1 deadline for applying by 10-watt stations.

Still only 50 kw is KPFT *90.1 Houston, but a recent fund-raising should see them soon move to their authorized 100 kw; KLEF 94.5 has finally moved to a transmitter site southwest of town and gone to 100 kw. KUHF *88.7 finally activated its talking book SCA, but in the evenings only. "Most of the time they just carry a tone-signal," says Dave Walcutt. A new engineer at KFMK 97.9 apparently believes more in SCA than his predecessor (who went to KAUM there), and it is now possible to enjoy the Physicians Radio Network on small SCA adapters. Taking the place of KFMK in Jesus-rock programming is KMCV 106.9 Conroe, which uses the nonID "Son Life 107."

There are two contenders for the last FM channel in the La Crosse WI area, 100.1 MHz. Everybody's Mood wants the West Salem channel for a beautiful-music station, similar to the format employed by WWLA 93.3 before WWLA became a rocker. The earlier format allegedly was not programmed or promoted right, and the new operator plans to run a very successful business. Hilltop Radio, on the other hand, plans to run a Christian format, and wants the West Salem channel because it has a good tower site picked out, even though an uncontested channel is available for application in nearby Bangor, Wisconsin.

In Iowa, the Davenport translator of KUNI *90.9 Cedar Falls is on 94.3 under "S. T. A.," pending grant of their application to permanently move from 102.3 to 94.3, and I have assigned the call K232AH to the operation, since the FCC has not already done so.

Mark Vieth wonders when the new FM Atlas will be ready, as his copy is wearing out from use, carrying "it whenever I travel out of state," and he wants me to list the 10-watt stations in the frequency listing. The new edition hopefully will be ready in a month, with announcements to be made by mail and in this publication.

CONTRIBUTORS: Phil Boersma, Spring Lake MI; Bill Fitcher, engineer WMLA-FM-TV, La Crosse WI; John Ebeling, Bloomington MN; Hal Hoover, KQRS-FM ST. Louis Park MN; John Robertson, Crosswell MI (who sent extensive reports on what he heard on trips to Kansas City and Baltimore); Mark Strickert, Chicago IL; D. L. Vernier, Director, KUNI-KHKE Cedar Falls IA; Mark Vieth, Waukesha WI; David L. Walcutt, Houston TX; Larry Weil, Acton MA.

Corrections, cont.....plus WVPR-88.9, Rock Hill, SC was left out, it was hear right after WVPR's s/off announc.

Dec. 3, 0145-0548?--WXIZ 100.9, Waverly, OH is doing what appears to be repeating the ABC flagship station, WPLJ 95.5 New York City!!!! This went on for the WHOLE night. I have plenty of tape to prove it! I wonder HOW I can claim WPLJ's signal as a DX station?, hearing at 0535.30? the first ABC news call feed for the day. After 0547? someone at WXIZ caught the mistake and cut off the feed!! I WILL QSL BOTH STATIONS!! (It'll sure be interesting to learn how the QSLs turn out, but I think it would be bending the rules to count WPLJ as a new station logged, no matter what they say in New York. DB, SFM editor) That WPLJ rebroadcast DX has got to be one of my most unusual DX catches other than the catch I heard on 10/1, consisting of three 25 second duration sounds, the last being a toilet flush! This was on 101.5 while three stations WYPC, WQUT, WPIT signed off. It wasn't WQUR either--strange! Here's to hoping that the 1980's brings you that dream opening that you've always wanted and more! '73's Randy.

Table with columns for call sign, frequency, location, and date. Includes entries for John Combs, 2485 Ivan Court, Orlando, FL 32807 - Oct-Nov, and various other stations like WTCQ, WMAZ, WCRY, WVOH, etc.

Log now at 383. Maybe in a few months I can put up the 10-element yagi for FM. The TV antenna just doesn't do well enough.

+++++

STATION BREAK

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

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

FOR SALE - Magnum model 85 FM power antenna amplifier. An excellent addition to your DX gear. Connects to coax or twin lead. \$75.00. Dave Nordmann, 1110 Ralph Terrace, St. Louis, MO 63117. Phone: (314) 647-4239.

TRADE - Will trade 1978 Scannermates (Illinois, Indiana, Ohio, Kentucky, Wisconsin) or Police Call (Ohio, Michigan) for any East Coast Scannermates or Police Calls. Make offer. D. Wilson, 237-B E. Summit St., Kent, OH 44240.

WANTED - Manual, specs, schematic or any info on "National HRO" circa 1934. Will pay reasonable price. Would like to hear from any "HRO" owners. I have the rig, but lack knowledge on this model. Robert S. Ross, Box 4373 Stn. C, London, Ontario, CANADA N5W 5J2.

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.

NORTHERN FM-DX

Editor
2510 E. McGalliard Rd.
Muncie, Indiana 47303
Deadline: the 10th

JANUARY 1980

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.

Rich Turcsany - 7 Cayer Circle - Shelton, CT 06484
Equipment: GE CB Monitor 40 Receiver, Elving's SCA Super Snooper.

Table with columns for date, call sign, frequency, location, and date. Includes entries for 7/25 tr, 2341 WROR, 2346 WJIB, 8/23 tr, 0845 WVCD, 0845 WBRE, 0850 WLEV, 0850 WSUS, 2300 WQGN, 8/31 tr, 2243 WEXM, 9/12 tr, 2322 WYZZ, 2322 WBRW, 2322 WVCD, 2328 WRKY, 2340 WDVV, 2357 WDBA, 9/13 tr, 0002 WMRV, 1930 WBRK, 2012 WFMP, etc.

FM Es was bad this year, having only seven openings in all. But tropo was much better, with 400 mile openings to Ohio on 9/12, and Virginia on 9/25. Hope some of the eastern members caught these two openings, since the Ohio opening was the first ever received from this OFE. Next season, I plan to get a good receiver for Es, and hopefully an antenna/rotor system to block out NYC reception during skip. Those stations I logged as "Ars Radio Network" on 7/5 should be "Oz Radio Network", and are CKOZ-92.3 Corner Brook NF, CHOZ-93.9 St. Johns NF, and CHOS-95.9 Rattling Brook NF. Total-255. '73, Rich

Greg Monti - 5 Hickory Road - Bayville, NY 11709
Equipment: Pioneer SX-925 RX, Channel Master Stereo Probe 9 @25 ft. w/rotor.

Table with columns for date, call sign, frequency, location, and date. Includes entries for 9/13 tr, 0317 WASH, 0322 WFGC, 0325 WUSL, 0326 WQVR, 0327 WQWV, 0340 WFFB, 11/22 tr, 0317 WASH, 0322 WFGC, 0325 WUSL, 0326 WQVR, 0327 WQWV, 0340 WFFB, etc.

NORTHERN FM DX

JANUARY 1980

Paul Mount - 35 1/2 W. Columbus St. - Nelsonville OH 45764
RX: Sanyo AM/FM Stereo M 9980

From Logan OH: 11/25 tr
10/24 tr 0055 WIUC 98.3 IN Winchester r, weak (see notes below)
2225 WOMC 104.3 MI Detroit r
WAKW 93.3 OH Cincinnati g, o/semi-local WBEX
2235 WSAI 94.1 OH Cincinnati rp
WPEZ 94.5 PA Pittsburgh r
11/18 tr
0330 WDMT 107.9 OH Cleveland d
0350 WDWV 102.5 PA Pittsburgh good, runs Dr. Demento at 2200
0400 WAZU 102.9 OH Springfield rp, ex-WBLY
0410 WFFM 96.9 PA Braddock d, "Studio-97, The Music Pittsburgh Parties To"

From Nelsonville OH: 11/25 tr
0048 WBZI 95.3 OH Xenia r, segued
0051 WMEE 97.3 IN Fort Wayne r, "Magic-97" clear, good (new stations underlined)

I called WIUC to confirm Federal Land Bank of Richmond in Winchester spot. Correct FM Atlas: They are AOR/adult contemporary day, AOR/hits at night in clusters and are \$. Randy Clark and Dan Jakubowski were present 11/25 during my get together that you missed, and John Buehler attended Friday. Hocking Technical College's Communications Systems class is this DXers dream class, with study of propagation, transmission line, antennas, receivers, and transmitters. I loaned my instructor another VUD. I work Sat. nite 6-10 pm at WJGN, got a call from a listener in Springfield OH at 79 miles one night, a pleasant surprise. 73, Paul

Bob Zent - 1835 Fruit St. - Huntington IN 46750

Equipment: Pioneer TX-9800, with Channel Master model 4408 antenna at 40 feet.

11/5 tr	2139 WBWB 96.7 IN Bloomington r	135	11/10 tr	2102 WKQB 105.9 TN Nashville r	340
2202 WJNZ 94.3 IN Greencastle r	115	"Z-94"	2115 WEZI 105.9 TN Memphis m	475	
2226 WGRE 91.5 IN Greencastle rj	115	2146 WKXK 104.5 TN Gallatin	2250 WHOP 98.7 KY Hopkinsville	310	
2240 WWCN 97.7 IN Brazil k	130	11/11 tr	0200 WDDD 107.3 IL Marion k	320	
2250 WUME 95.3 IN Paoli r	175	11/14 tr	0600 WABD 107.9 KY Fort Campbell r	320	
2309 WICR 88.7 IN Indianapolis r, low	90	11/16 tr	0005 WPAG 107.1 MI Ann Arbor	215	
0010 WLSR 102.3 KY Louisville p	190	2223 WKNT 100.1 OH Kent	11/17 tr	0016 WHEZ 103.3 WV Huntington m	245
0041 WNUU 103.1 KY St. Matthews r	190	0032 WSOH 105.1 OH Salem k	0047 WSRD 101.1 OH Youngstown r	250	
0044 WXLN 103.9 KY Louisville u/WXKE	190	0051 WWSK 106.7 PA Beaver Falls d	0057 WOOD 93.3 OH Youngstown r	250	
1859 WIHN 96.7 IL Normal	190	0100 WVPB 91.7 WV Beckley	0107 WRCL 93.5 ON London	260	
1905 WCRA 95.7 IL Effingham k	210	0127 WCTR 103.7 WV Beckley	0131 WPKU 99.5 WV Beckley	320	
2310 WCNE 88.7 OH Batavia	135	0203 WORE 92.5 WV Charleston k	145 1955 WTAS 102.3 TN Crete tm	120	
11/7 tr	0615 WSCH 99.3 IN Aurora-Rising Sun	130	11/20 tr	2035 WPCD 88.7 IL Champaign-Urbana r	145
11/8 tr	2100 WKKX 96.1 PA Pittsburgh r	290	2045 WJAM 92.9 MI Cadillac m	230	
2120 WSTO 96.1 KY Owensboro m	240	2213 WDCB 90.9 IL Glen Ellyn r	2255 WNIU 89.5 IL DeKalb c	175	
11/9 tr	0000 WHBF 98.9 IL Rock Island r	275	11/22 tr	0112 WFFA 102.3 IL Waukegon r	150
0008 KTIK 103.7 IA Davenport r	275	0124 WVVX 103.1 IL Highland Park r		145	
11/10 tr	0043 WPGU 107.1 IL Urbana r	145			
0115 WLSR 102.3 KY Louisville	190				
0118 WNUU 103.1 KY St. Matthews	190				
0200 WBIF 105.5 IN Bedford r	140				
0210 WAXI 104.9 IN Rockville r	125				
1651 WXLP 96.9 IL Moline r	275				
1725 WQFA 94.1 IL Watseka	125				
1844 KHAK 98.1 IA Cedar Rapids k	325				
1900 KTOF 104.5 IA Cedar Rapids g	325				
1924 WFMB 104.5 IL Springfield k	240				

(Report continued on following page)

NORTHERN FM DX

Bob Zent cont'd:

JANUARY 1980

11/22 tr	0153 WLLI 96.7 IL Joliet r	150	11/25 tr	0153 WDWV 102.5 PA Pittsburgh r	290
11/24 tr	2014 WEZI 105.9 TN Memphis m	475	0157 WDSY 107.9 PA Pittsburgh k	290	
2023 WKQB 105.9 TN Nashville r	340	0200 WAMO 105.9 PA Pittsburgh js	290		
2028 WZEZ 92.9 TN Nashville m	340	0203 WPNT 92.9 PA Pittsburgh m	290		
2331 WSAB 94.9 IL Mount Carmel	225	0219 WBLK 93.7 NY Buffalo d	370		
11/25 tr	0055 WPLN 90.3 TN Nashville	340	0006 unID 99.3 ON London? (French)		
0120 CHFI 98.1 ON Toronto m	360	0030 CFCA 105.3 ON Kitchener-Waterloo	300		
0135 CHUM 104.5 ON Toronto p	360	m, r after 0105 (Time - EST)			

Many new loggings, especially on class A channels which are normally occupied by locals or semi-locals. I'm surprised at what distances are possible under normal conditions on channels that are yet relatively open in this area. Nashville on 105.9, Buffalo and Braddock PA on 96.9 and Pittsburgh on 89.3 are in at some level practically all the time. I suspect this won't be true for long as more stations come on the air or existing stations increase their coverage. 73s, Bob

Robert S. Ross, VE3JFC - Box 4373, Stn. C - London ON N5W5J2
Equipment: Marantz 2226B Receiver, Rabbit Ears @90 feet from apt. balcony.

11/25 tr	0220 WPLB 107.3 MI Greenville	11/25 tr	0250 CHFI 98.1 ON Toronto
0233 WRIF 101.1 MI Detroit	0255 WQAL 104.1 OH Cleveland		
0235 WNIC 100.3 MI Dearborn-Detroit	0257 WXTZ 103.3 IN Indianapolis		
0238 WKKI 94.3 OH Celina	0340 WJJC 89.1 IL Mount Carmel		
0245 WMJC 94.7 MI Birmingham	(New stations underlined)		

All stations noted as very good except WJJC which was good. 73, Bob

Andy Bolin - 709 Lincoln Ave. - Charleston IL 61920

Present receiving system (and it's a keeper) is a Heath AR/AJ-15 tuning unit with the output connected to a high quality LC selectivity filter. The output of this filter connects to the IF input of an AJ-15. The IF output of the AJ-15 runs through another selectivity filter which goes to the IF input of a junked out Pioneer SX-626. This signal is taken from the 626's detector and sent to a home-brew SCA adapter and an LM1800 integrated circuit for the \$. This stunt is so hot on selectivity that area technicians have named it THE GREAT AMERICAN SCREAM MACHINE!

8/4 tr. Most Tulsa (480) 0100 to 0300. 8/5 tr. After 0100 most Omaha (440). 8/6 tr. All Birmingham (430) very strong 0000-0500. 8/7 tr. After 0000 Little Rock & most Wichita (505). Wichita back at 1930; 2100 KLJC 88.5 KC mono. 8/8 (cont.) 0024 WMPR 88.1 Sumter SC (580) s/off; 0030 30 watt WRFN 88.1 w/jazz \$ Nashville TN (245); 0115 "EZ" WHAJ \$ 104.5 Bluefield WV; 0228 WXBQ 96.9 \$ "K LOVIN'" auto Bristol VA; 0315 "EZ" WEEZ \$ 104.7 Charlotte NC (505); 0407 WKBC w/SK/s/on N. Wilkesboro NC (450). Some relogs were WFDD, WSLQ, & WUOG. 8/9 tr. WRAS & WSB both Atlanta - strong (445). 8/13 tr. After 0000 Omaha. 8/14 tr. WXBQ, W-EZ-C, WSLQ, & WBBQ \$r Augusta GA (545) strong. 8/15 Es w/beautiful east coast coast TPs on TV-2, 3, & 4 as early as 0430! Finally to FM @0925 from S. FL. WMCU, WUSF, WTMI, WUCF, WWNL, WAXY, WSHR, WYOR, WMUM, WGLY-MUF WGLO. @1055 Cuba. 8/16 tr. some Atlanta after 0000. 8/17 tr. WJMI & WJFR both Jackson MS (530) 0900-1245. 8/29 Au. 1615-2030 Detroit - mostly noise. 9/4 tr. 2000 WTCN N. MI & CBCL London ON (435). 9/7 GW 10 watt 90.5 w/mono/rr/s/off @0000 Rensselaer IN (115). 9/8 tr. 0100-0300 WRAS, WSB, WLTA & WQAL. 9/9 tr. After 0000 WXBQ. Later @2300 KFMV 107.9 w/mono/soul/s/off (520) Magnolia AR. 9/10 (cont.) 0226 "2WD" is WWDE (xWVHR) 101.3 w/upbeat M - Hampton VA (675). Also in were many relogs from Norfolk, Baltimore, DC, Pittsburgh, Buffalo and even Ft. Worth-Dallas. 9/11 tr. 0000-0615 WRAS, WSB, WALT, WUOA, WMPR, WSPA, WTVY (600), WKMX (595). Also "Y-102" or WHYY & (xWFMI) WRAM now K both Montgomery AL. 9/25 tr. WJCI-WDVE Pittsburgh @0000-0400. 9/27 tr. After 0000 Little Rock. 11/24 tr. 2300 CHUM Toronto w/TV-79 (CITY) siml. rock concert. 11/25 (cont.) 0000-0630 relogs WWSK, CFPL, CFCA, CKLA, & WCPI. The frequency change of KRNA was #1,900.

QSL CORNER

TV-QSL

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

Ont CKCO-TV-3 Sarnia, sub of CKCO-TV, % 864 King St. West, Kitchener, ONT N2G 1E8, send a form letter for all stations they operate, no signer. Yingling

AR KETS 2 Little Rock, send letter from Vernon L. Dillaplain, CE in 1 month. Ross

CO KWGN 2 Denver, letter from Linda L. Moore, Programming in 3 weeks. Ross

GA WCWB 41 Macon, P. O. Box 4328, 31208. Hand written letter signed by Joe Spears, ce.. "The information you logged on recent DX report is correct." Wolf

WYEA 38 Columbus, P. O. Box 6389, 31907. Letter from V. Frank Hardman, Chief Engineer. Reply back in 6 days. Yingling

IN WKJG 33 Ft. Wayne, 2633 W. State Blvd, 46808. Letter from Robert Fairchild, Asst. CE. Received in 1 month. Ross

KY WDRB 41 Louisville, 1051 E. Main St, 40206. Letter from Mike Griffin, Asst Chief Engineer. Eddie

WXIX 19 Newport % 10490 Taconic Terrace, Cincinnati, OH 45215. Letter from Sandra Pastoor, VP & PD. Eddie

LA WBRZ 2 Baton Rouge,, send qsl card in envelope in 12 days, signed by (which looks like) B. JaeJ, Dept of Eng, WSRWG, reply in 12 days. Boehl

MI WJIM 6 Lansing, send qsl card from Carl W. Onken, CE in 2 weeks. Ross

WWTW 9 Cadillac, letter letter from Lowell Shore, CE in 1 week. Ross

NY WLIW 21 Garden City % Channel 21 Drive, Plainview, NY 11803. Letter from Ben Linder, CE in 18 days with sase used. Wolf

OH WTOV 9 Steubenville, 320 Market St, 43952. Letter from Marvin L. Hite, CE. I send a sase, but came in station's own envelope in 12 days. Wolf

WUOC 44 Cambridge, % Ohio University, Athens, OH 45701. Letter from Donald A. Smith, Dir. of Eng reply in 20 days. Wolf

WTHO 24 Toledo, 300 S. Byrne Rd, 43615. Letter & coverage map from Ernest Retz, Chief Engineer. Reply in 1 week. Yingling

WYTV 33 Youngstown, 3800 Shady Run Rd, 44502. Letter, coverage map on the back of a calendar. Signed by Geoffrey Pearce, Pres. & GM. Reply in 1 month. Yingling

WRGU 57 Bowling Green, Bowling Green State University, 43403. Letter from William Leutz, WABRJW in 1 month. Ross

WJAN 17 Canton, % 6600 Atlantic Blvd, N.E., Louisville, OH 44641. Letter from (?) Sale Lamm, CE in 4 weeks. Ross

PA WPTT 22 Pittsburgh, 500 Seco Rd, 15230. Letter signed by Kenneth L. Buschman, Station Manager. Sase used, reply in 11 days. Wolf

WFMZ 69 Allentown, East Rock Rd, 18103. Handwritten letter signed by Crair F. Fearing, Chief Engineer, reply in 6 days with sase. Wolf

WVIA 44 Scranton, Old Boston Rd, Jenkins Twp, Pittston, PA 18640. I send letter & sase used & got a phone call from Jerry Schumacher, Asst. General Mgr who was verifying my letter. (a phone verie!) Wolf

W5IAC 51 Reading, % WITF-33, Box Z, Hershey, PA 17033. Letter verie for translator, 1kw erp, direction of 290 degrees relative to true north. Signed by John A. Bosak, K3IBN, Dir. of Engineering. Reply in 2 months. Yingling

TX WFAA 8 Dallas, qsl card from Don Easterwood, Asst. Chief Eng. Reply back in 13 days, & 19 days after this, got card from KCTV in San Angelo saying the station you had was WFAA, because he was watching them on the cable tv system. Card from Ed Smith, CE of KCTV-TV-8 Gaines

VA WSLR 10 Roanoke, P. O. Box 10, 24009. Letter back in 5 weeks from Donald Jones, Chief Engineer. Traska

WTVZ 33 Norfolk, 418 Trough St, 23510. Letter & promotional package from James Wade State, CE. Reply in 2 weeks. Yingling

This was an all TV Month. Reporters this time are; Robert Ross, Richard Eddie, Jeff Wolf, Leo Boehl, Paul Gaines, Paul Traska, Tom Yingling, editor. The tv qsls are running low for column use, so I wish I could get some in sometime, and if possible some fm qsl reports from new reporters. 73's & good dx to everybody..... Tom

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Wardell, Dave-2104 S.E. 28th Place-Portland, OR 97214
Wardell, Paul-2104 S.E. 28th Place-Portland, OR 97214
Weeden, Thomas-1208 E. 4th Ave.-Brodhead, WI 53520
Weeks, Peter-95 Burnside Drive-Toronto, ON M6G 2M9
Weil, Larry-15 Davis Road, #A12-Acton, MA 01720
Welch, William-1532 Valley Road-Tallahassee, FL 32301
Wesolowski, Walter-209 Glenview-Elmhurst, IL 60126
West, Steve-110 N.W. 20th Drive-Gainesville, FL 32601
Wheeler, Frank-6589 Wattsburg Road-Erie, PA 16509
White, Gary-Box 96-Chanhassen, MN 55317
White, Jim-1000 S. Grand Ave.-Waukesha, WI 53186
White, John, Jr.-Box 97-Shacklefords, VA 23156
Wiese, A.H.-Erminoldstr. 175-D/8 Munich 83, WEST GERMANY
Willard, Craig-633 Montgomery Court-Narberth, PA 19072
Williams, Arthur, Jr.-576 Springtown Road-New Paltz, NY 12561
Williams, Morgan-3798 Sunset Blvd.-West Columbia, SC 29169

Williams, Robin-"Corn Acres"-Dodwell-Stratford upon Avon, Warwickshire,
/CV37 9ST ENGLAND
Wilson, David-237B E. Summit St. (back)-Kent, OH 44240
Wilson, Mel-17 Van Cortland Drive-Pittsford, NY 14534
Wilson, Roy, Jr.-Route 1, Box 272D-Harlem, GA 30814
Wimer, Michael-1939 Morris St.-New Castle, PA 16101
Wing, Ron-705 N. Emporia, Apt. 2-Wichita, KS 67214
Winsor, Roger-2610 W. 49th Ave.-Hobart, IN 46342
Wiseblood, Steven-707 Loma Way-Santa Maria, CA 93454
Wixon, Jim, Sr.-2733 Vermillion St.-Lake Station, IN 46405
Wolf, Jeff-1131 University Blvd. N.W., Apt. 701-Silver Spring, MD 20902
Wood, Dr. Richard E.-Dept. of English-S.E. Missouri State Univ.-Cape
/Girardeau, MO 63701
Woods, Donald-1131 Chautauqua Blvd.-Pacific Palisades, CA 90272
Worst, Michael-3155 French Road, #194-Beaumont, TX 77706
Wurl, David-908 W. 14th St.-Marshfield, WI 54449
Wurtzel, William-32 W. 31st St.-New York, NY 10001
Yates, James-3615 Tanglewood Trail-Chagrin Falls, OH 44022
Yingling, Tom-221 Pinewood Road-Dundalk, MD 21222
Young, Jim-Box 576-Wrightwood, CA 92397
Young, Karen-Box 576-Wrightwood, CA 92397
Zank, Neil-623 Lyncrest Drive-Lincoln, NE 68510
Zeis, John-206 Morris Road-Exton, PA 19341
Zent, Robert-1835 Fruit St.-Huntington, IN 46750
Ziegler, George-173A Village Run N.-Encinitas, CA 92024
Zondlo, John-1802 N. Rockwell, Apt. 107-Bethany, OK 73008
Zumstein, William-c/o AID-823 Commerce Drive-Oak Brook, IL 60521

WTFDA Membership as of January 1, 1980: 385

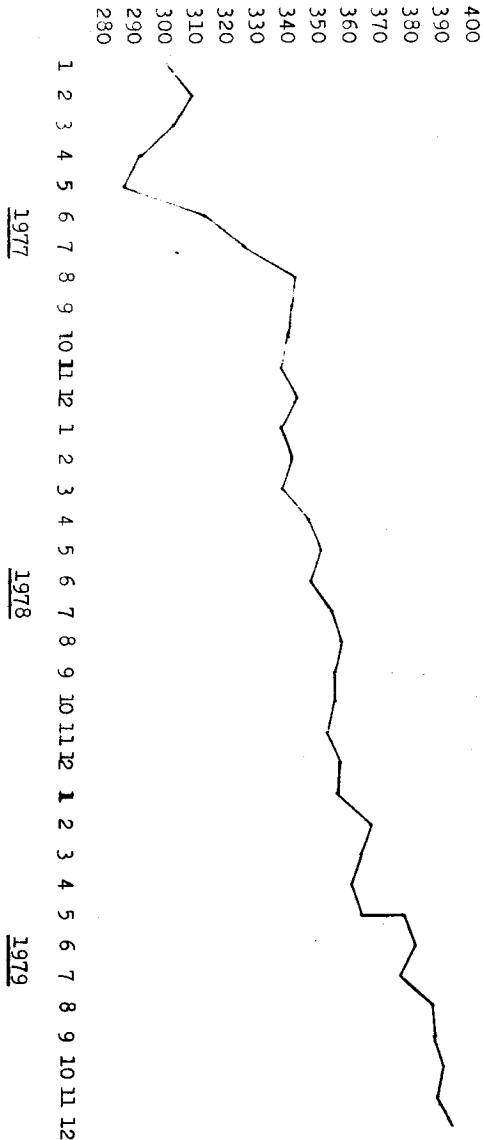
Membership by State, Province, and Country

Alabama (1): Horsley.
Alaska (1): Fischer.
Arkansas (1): Eaton.
California (27): Bstandig, Erickson, Glass, Harms, Herzog, Jefferson,
Korn, Lobel, Mansir, McIntosh, A. Miller, Raymond
O'Connor, O'Neill, J. Phillips, Phillipson, Pizzi, Reedy,
Sands, Lybrand Smith, Talley, P. Taylor, Tobia,
Wiseblood, Woods, J. Young, K. Young, Ziegler.
Colorado (1): Neuman.
Connecticut (4): Bugaj, M. Levitt, Sweeney, Turcsany.
Florida (11): Combs, Dalton, Fraser, Gill, Lyons, Schatz, Simon, Theil,
Wayne Thompson, Welch, West.
Georgia (5): Bradley, Hollis, Lombardi, Richard, R. Wilson.
Hawaii (1): Amarin.
Idaho (2): Davis, Robert Williams.
Illinois (25): Baxter, Bolin, Clemmer, Cronin, Eckberg, Goldman, Goodman,
Hogan, Houchins, Hullcranz, Jennings, Johnson, Kramer,
Metzner, Olson, Patrinelis, Sabella, Sampson, Shults,
Sirovy, Strickert, Tidberg, Topel, Wesolowski, Zumstein.
Indiana (17): Brumfield, Carlson, Comstock, Cornell, Filler, Gallacher,
Gould, Hascall, McNeely, Oprisko, Rich, Schnepp, Schaffer,
Strobel, Winsor, Wixon, Zent.
Iowa (7): Baker, Heusmann, Langridge, Mahoney, Morris, Scheel, Vulgamott.
Kansas (5): Bartlett, Ginardi, Mitschler, Pomeroy, Wing.
Kentucky (2): Albin, McCown.
Louisiana (5): Curole, Dorner, Goins, LeBlanc, Ogden.
Maine (2): Gordon, Rod O'Connor.
Maryland (12): Blevins, Dickerson, Feidt, Holbrook, Jensen, Kadet, Monti,
Pilger, Staubs, Stilwell, Wolf, Yingling.
Massachusetts (11): Agner, Courcy, B. Grant, Guiney, Michalek, G. Nelson,
Skinner, William Smith, Steinberger, P. Sullivan,
Weil.
Michigan (17): Berman, Blue, Boersma, Born, Gaines, R. Grant, Jozwiak,
Koronka, Legler, Louks, R. Luoma, Marciszewski, Martin,
McAbee, Petosky, Robertson, Sarkozy.
Minnesota (6): Battin, Ebeling, Epstein, Markewicz, C. Phillips, G. White.
Mississippi (3): Ayers, Forsman, Holley.
Missouri (9): Bishop, Breville, Eddie, Green, Kroger, Nordmann, Ronecker,
J. Thomas, Wood.
Nebraska (6): Berger, Boehl, Elving, Franklin, Lindblade, Zank.
New Hampshire (1): Bolduc.

New Jersey (13): Alexander, Fair, Feia, Ferrell, Goldberg, Hopkins,
S. Levitt, Pantazes, Sheldon, Stein, R. Taylor, Tomlin,
Walters.
New York (26): Bernstein, Bianco, Bortree, Crane, Dunnivant, Fader,
Foxworth, Grandjean, Hansen, Hart, Herkimer, Kalisz,
Lapinski, Meyers, Nordquist, Pulice, Schutz, Seybold,
J. Smith, Lexington Smith, Sprachman, William Thompson,
Traska, A. Williams, M. Wilson, Wurtzel.
North Carolina (7): Brann, Coleman, Fulk, Holmes, C. Nelson, Price,
Robbins.
North Dakota (1): McCormack.
Ohio (26): Brewer, Buehler, Culin, Dally, Eddy, Greene, Hawkins, Hostetler,
Howington, Little, Lovett, Lucas, Merrill, Mitock, Moody,
Mount, Noffsinger, Palmer, Parillo, Pinski, Scully, Siegel,
Sowinski, Wallace, D. Wilson, Yates.
Oklahoma (6): Allen, Buntin, Cooper, Everitt, Rogers, Zondlo.
Oregon (5): DuBois, Hemphill, Slater, D. Wardell, P. Wardell.
Pennsylvania (19): Basehore, Blair, Brindle, Campagna, DiFilippo, Eckman,
Evans, Grimm, Hayes, Jacobs, Kowalski, K. Nelson,
A. Smith, Sulak, J. Sullivan, Wheeler, Willard, Wimer,
Zeis.
Rhode Island (3): Barber, Day, Kazaross.
South Carolina (1): M. Williams.
South Dakota (2): Adler, Heckenlively.
Tennessee (3): Hauser, McVey, Van Horn.
Texas (13): Curvin, Dyer, Gragg, Hammond, Hunt, McCoy, Porter, Prescott,
S. Rosen, Samford, Tallet, Walcutt, Worst.
Utah (1): Czarnomski.
Virginia (8): Brown, Burke, Cotton, Higgs, Mylod, Prus, M. Rosen,
John White.
Washington (2): Bytheway, Saran.
West Virginia (3): Randall Clark, Kingsbury, R. Miller.
Wisconsin (14): Baumgarten, Draeb, Golembiewski, Janowiak, Krueger, Marx,
N.G. Reid, Rieger, Ruland, Schaefer, Timm, Weeden,
Jim White, Wurl.
British Columbia (4): E. Luoma, Newell, Ryan, A. Thomas.
Manitoba (2): Anderson, McBride.
Ontario (19): Broadhead, Chernos, Ellis, Gravelle, Griffiths, Hepburn,
Huehn, Leal, Leibold, Lewis, Longmoore, McIntyre, M. Reid,
Rosenberg, Ross, Sawatzky, Shura, Simons, Weeks.
Quebec (4): Carriere, Daigle, Guzzi, Patton.
Antigua (1): Douglas.
Bermuda (1): Virtue.
Dominican Republic (1): Richard Clark
Finland (1): Pitkanen.
Guadeloupe (1): Ranely.
Hungary (2): Ferenc, Gabor.
India (1): Chowdhury.
Israel (1): Lawson.
Jamaica (2): Radlein, Winston Smith.
Japan (3): Miki, Shirahama, Sugihara.
Mexico (1): Baruh.
Sweden (1): Hagstrom.
Switzerland (1): Schwarz.
West Germany (3): Blodorn, Crawford, Weise.

The Membership Picture

The graph below reflects the growth of WTFDA during the last three years. Note: the method used in counting membership was changed in May 1979. Previously, membership was counted on the third day of each month. Membership is now counted on the last day of each month.



INTERNATIONAL NOTES from

Ken Simon
513 6th Avenue South
Lake Worth FL 33460

From Glenn Jacobs in Moscow, PA, comes the following:

On Nov 11 (79) Jerry Pulice, Bill Grant and I picked up RTE 1 in Dublin with a Phillips test pattern and RTE at bottom in at 9 a.m. (EST). The frequency is 53.25 MHz video so this came right in and killed U.S. channel 2. I got a good shot of the pattern. At 9:45 they put a clock on and signed on at 10. Between 10 and 10:30 a perfect picture was received on my GE with an indoor antenna in the basement. BBC 1 on E2 has been in with Holme Moss (Scottish service) and another station. I have several shots of IDs...(CAN'T wait to see them).

Glenn's last attempt at pictures show a very blurry man as seen on BBC1/E1. These are the kind of photos you squint and hold a foot away to see.

Roger Bunney, in the UK, via John Combs, relays some Dutch DXer's photos of A2 (that's U.S. channel 2) reception Nov. 7, 1979 at 1315 to 1415 GMT. The only one I can make out is a definite ad for Master Charge. He also reports Australia ch 0, China on R1, many Russians on R1 seen in the UK along with suspected E2 in Dubai, E2 in Malaysia and many unIDs.

I'm stuck with a probable E2 video on 48.25 as my best...oh well.

Clive C. Athowe in Norwich UK also reports A2 reception on Nov. 7 from 1245 to 1340. From his letter he describes a large globe logo (possible "In the News" on CBS?) and says a friend at the BBC saw some A2 and noted an ad for 'Shape'...John Combs seems to believe this may be a Scope add...

His photos are on their way to Jim Alexander for the photo column. He also says an Australian contact reports ch E1 & 2 received in the last part of October.

Bill Grant Called to tell me things were going wild at his place with MUFs above 50 MHz.

John Combs sends a list of countries using NTSC (U.S.) color: Antigua, Bahamas, Barbados, British Virgin Islands, Canada, Costa Rica, Cuba (NOTE ...not seen by me yet but I did see 3/4 color bar test patterns in B&W), Dominican Republic, Ecuador, El Salvador, Guatemala, Japan, Mexico, Netherlands Antilles, Nicaragua, Panama, Peru, Philippines, St. Kitts, American Samoa, Taiwan, Trinidad and U.S. Trust Territories in the Pacific.

Argentina and Venezuela are listed as B&W only but John says Argentina has purchased a lot of PAL equipment...

Brazil is listed as PAL and Haiti is listed as SECAM.

That's about it for now, NANU NANU etc. and by the time this is printed, you've all had a good holiday season and a good New Years,

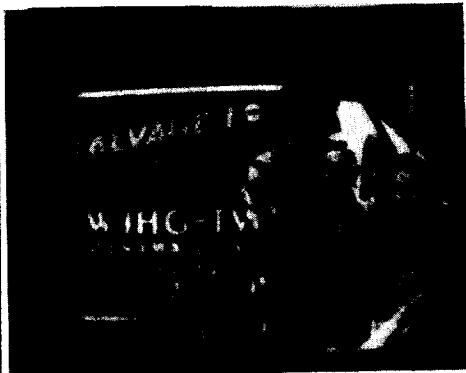
73's *Ken*

SIMON
513 Sixth Ave. South
Lake Worth, FL 33460 U.S.A

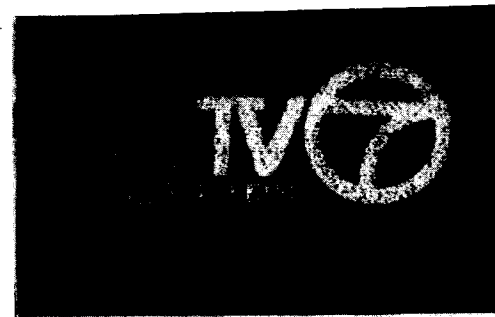
This month: Paul Gaines' photo of KATV- 7 via 715 mile tropo, and more!



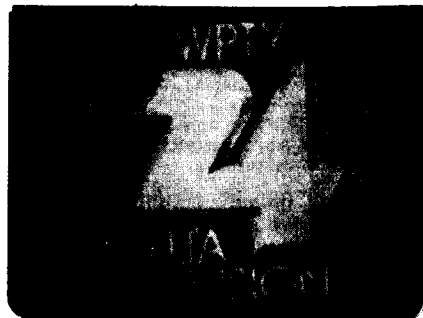
KATV- 3 Springfield, MO
E-skip
5/15/75, 2000 EDT (Grant)



WJHG- 7 Panama City, FL
275 mile tropo (Combs)



KATV- 7 Little Rock, AR
715 mile tropo (Gaines)



WPTY-24 Memphis, TN
425 mile tropo (Shults)



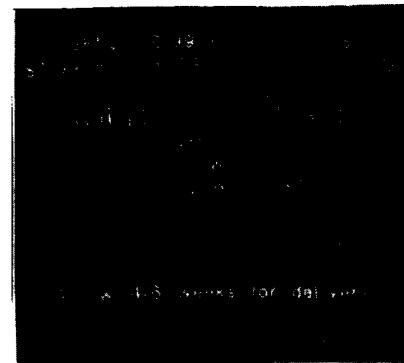
KOET- 3 Eufala, OK
950 mile E-skip (Combs)



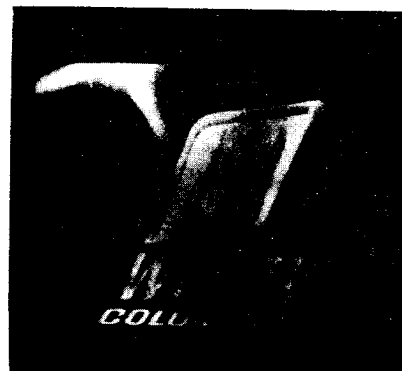
KOAA- 5 Pueblo, CO
1,145 mile E-skip (Gaines)



KETS- 2 Little Rock, AR
E-skip (Barber)



WMTV-15 Madison, WI
305 mile tropo (Gaines)



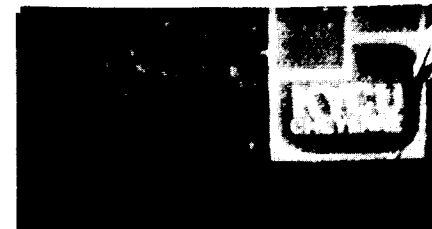
WIS- 10 Columbia, SC
385 mile tropo (Combs)



KFVS-12 Cape Girardeau, MO
475 mile tropo (Gaines)

Contributors:

- Bill Grant,
Worcester, MA
- John Combs,
Orlando, FL
- Paul Gaines,
Detroit, MI
- Marv Shults,
Toulon, IL
- John Barber,
Carolina, RI
- Jim Pizzi,
Orcutt, CA



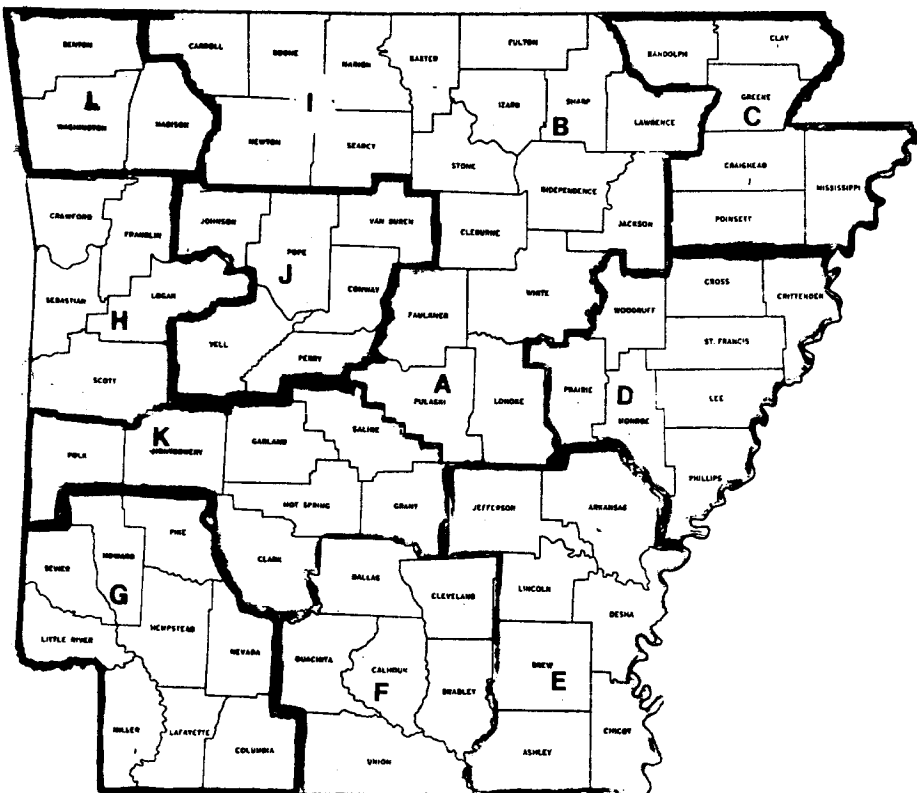
KYCU- 5 Cheyenne, WY
920 mile E-skip (Pizzi)

73 and good DX, *Jim*

IN SEARCH OF POL

Donald L. Slevins
1715 Earnhart Road
Baltimore, MD 21221

phone 301-574-2714



Arkansas State Police

Troop A	44.52	Little Rock
Troop B	44.66	Newport
Troop C	44.62	Jonesboro
Troop D	44.74	Forrest City
Troop E	44.66	Dumas
Troop F	44.74	Warren
Troop G	44.62	Hope
Troop H	44.66	Fort Smith
Troop I	44.52	Harrison
Troop J	44.74	Clarksville
Troop K	44.74	Hot Springs
Troop L	44.66	Springdale

CITY OF SAN FRANCISCO

Police: Zone One Park, Richmond, Ingleside and Taraval Stations
 Low Band 1 45.10 Patrol Cars
 Pic Zone 1 460.225 Repeated

Zone Two Southeast and Mission Stations
 Low Band 2 45.14 Patrol Cars
 Pic Zone 2 460.12 Repeated

Zone Three Central, Southern and Northern Stations
 Low Band 3 45.58 Patrol Cars
 Pic Zone 3 460.50 Repeated Portables

Citywide 1 460.45 All Portables used to call headquarters
 Citywide 2 460.075 Special Details Only
 Citywide 3 460.35 Muni Detail and Crime Prevention Units
 Low Band 4 45.46 Traffic
 High Band 5 155.55 Inspectors and Stake Out units

Fire Control 1 46.46 Available Units
 Control 2 154.43 Repeated(46.18 input)
 Fire Pic 1 458.55 Firegrounds
 Fire Pic 2 458.65 Secondary Fireground

Bus Bus Frequency 1 30.66 Central Control
 Bus Frequency 2 31.06 Secondary
 Inspectors 31.14

From the Buckeye State(Ohio)

Ambulances

155.16 Hospital Ambulance Service-- Akron KAL 230
 155.22 Dunn-Quigley-Ciriello Funeral Home-- Akron KBA 470
 155.265 Stow Ambulance-- Stow KVJ 985
 155.28 Physicians & Surgeons Ambulance Service - Akron - KQU 262
 155.325 Ciriello Ambulance Service Inc.-- Cuyahoga Falls KYG 696

Utilities

37.82 Ohio Edison (mobiles on 37.46)
 Akron KQA 912 Barberton KQG 589
 47.98 Akron Water Department KQB 594 (KQC 451 is at Kent)
 153.47 Cuyahoga Falls Water Department KQD 236
 158.19/158.265 East Ohio Gas - Akron(Eastwood) KGH 238/KQG 810
 451.50 Ohio Bell Telephone Repair - Akron KGR 208

Radiotelephone

35.50 Akron Channel 24 KQA 653
 152.72 Akron Channel 1 (Manchester) KQA 653
 454.45 Akron Channel 4 (Tallmadge) KQA 653

Inter.
 Jon
 Don

VHF UTILITY DX

Pat Dyer
5315 Silvertip Drive
San Antonio, TX 78228
Deadline: 5th of month

JANUARY 1980

Martin J. Theil, 12 Princeton Dr. E., Holiday, FL 33589 Bearcat 210 and 250 with indoor rod antennas

KYT214 39.82 Cut Bank, MT 39.46 Lakewood
KOE381 " Billings, " 39.14 Norwalk
KOA216 " Gt. Falls, "
KOB482 " Big Timber, " Martin would like to write to
Los Angeles on 42.56, 39.60, 39.48 others with Bearcats.

Glenn Hauser, WUOT, Knoxville, TN 37916

30.474 $\frac{1}{2}$ Colombia (5th harmonic) "La Voz del Centro de Radio Cadena Nacional" (Nov 25 - 1445z)
30.520 Ascension Is. (2nd harmonic) BBC (Nov 22 - 2314z)
30.574 $\frac{1}{2}$ Colombia (5th harmonic) "La Voz del Llano" (Nov 25 - 1440z)
30.960 USSR (2nd harmonic) (Nov 25 - 1341z)

Well, my loggings already. Bearcat 210 with 11-m g.p. @ 14', SX-62 with 30' long wire, SP-600-JX-10; GMT used, new underlined; all F2 (with daily MUF's noted) * Es, bs-backscatter (the 49-50 MHz loggings are covered in a section after these)

11-6:
1337 41.465 BBC audio
1348 48 BBC TV videos
1400 41.23 French TV audio
1408 43.76 Russian, 45.13 Spanish
1413 48 BBC audios, 48 videos
1445 US ne 44+
11-7:
1304 KCC944 33.70 Torrington, CT-f
1307 KCA346 37.54 Ellsworth, ME-he
1310 35.50 NY, NY-mp
1320 41.5 BBC, 41.25 France
1330 48 videos, 45 videos
1340 46.815 se
1355 48 audios, 1405 US ne 45+
1420 KCB890 43.58 Fall River, MA-tp
11-8:
1317 41.27 France, 1345 48.25 ft
1358 41.465 BBC, 1400 41.25/.23 Fr
1415 hi-45 Sp., 1508 48 videos
1550 47.88 NB?, US ne 44+
1618 KOA766 39.82 Superior, MT-cp
1705 45 videos, 1708 43.26 Seattle?
2245 45.25 New Zealand video

11-9:
1325 41.25/.23 France, 41.5 BBC
1331 KCC405 37.54 Bangor, ME-he
KCA305 " Eddington, ME-u
1405 45.7 se, 1440 low-44 US ne
1530 45 videos, 1740 37.58 Oregon
2145 40.62 Pacific?
2240 37.87 Russian

11-10:
1307 KCA410 33.90 Wareham, MA-f
1310 41.5 BBC, 1328 45 videos
1335 35.58 Scranton, PA-vp
1348 41.25/.23/.27 France
(1312 43.7 se) 1355 48 audios
1410 KCB890, 1422 45.92 Russian

11-10:
1435 48 videos, 1443 US ne 45
2130 38.21 Russian, 40.62 Pac.?
11-11:
1334 41.5 BBC, 1335 41.25 France
1350 35.22 Wilkes-Barre, PA-vp
KCI299 35.22 New Haven, CT-tp
KEA860 " NY, NY "
1351 Scranton, 1355 43.7 se
1415 45 videos, 1434 43.76 Russian
1545 42 US ne, 1550 low-43 Canada
2105 40.62 Pac.?, 2220 40 Russian
11-12:
1333 35's se, 1340 41.5 BBC
1350 41.25/.27/.23 France
1355 US? 37's, 1408 45 videos
1414 W.-Barre, Scranton
1445 48 faint, 1455 low-43 Canada
2330 37.82 Russian ?

11-13:
1350 41.5 BBC, 41.23/.25 France
1356 KCD353 33.70 Lancaster, MA-f
1357 KCH677 " Fitchburg, " -cf
1408 46.94 Spanish, 1537 KCC405
11-14:
0030 35.38 San Diego, CA-mp *
0037 35.46 Los Angeles, " " "
1303 KCC405, 1313 46.815 se
1320 41.23/.25/.27 France
1325 41.5 BBC, 1335 US ne 43's
1340 48 videos, 1350 45 videos
1655 KCA570 39.82 Newburyport, MA-p
2210 40.62 Pac. ?
2215 KOP303 35.46 Langley, WA-mp
2216 35.38 San Diego *
2227 38.24 Russian

11-15:
1328 41.5 BBC, 1335 KCA305
1338 Scranton, 1345 45 videos

VHF UTILITY DX

(Dyer, cont.)

11-15:
1350 48 videos, 1410 46.12 se
1416 48 audios, 1430 low-43 US ne
1515 hi-47 Canada
1938 KOK418 35.46 (west)-mp
1957 KOP303 35.46
2012 35.26 Portland, OR-mp
2200 40.62 Pac.?, 2210 38.34 Rus.?
2347 KCP303 35.62

11-16:
1332 KCC405, 1338 41.5 BBC
1350 45 videos, 1352 48 videos
1420 US ne 44+, 1445 48.27 Spanish
1455 48 audios, 1920 KOK418
1947 KCA305
2152 KOB238 37.58 Seattle, WA-light
2225 37.82 Russian ?

11-17:
0022 KOP303 35.62, 1330 KCA346
1333 KCC482 35.22 Concord, NH-vp
41.5 BBC
1345 41.25 France, 1350 45 videos
1355 46.815 se, 1420 48 videos
1425 48 audios

11-18:
1335 41.465 BBC, 1337 41.25/.23/.27
1400 45 videos, 1413 48 videos
1420 US ne 43's, 1545 48 audios
11-19:
1330 KCA346, 1335 41.5 BBC
1342 W.-Barre, 1353 45 videos
(1323, 37.35 se)
1410 41.25 France, 1415 48 audios
1438 US ne 45+

11-20:
1320 KEC515 35.58 Albany, NY-tp
1345 46.815 se, 1353 45 videos
1355 41.5 BBC, 1402 48 videos
1420 41.25 France, 1500 US ne 43-45
1650 48 audios
1859 KCD362 39.82 Watertown, CT-p

11-21:
0025 35.26 Portland, 0033 38.24 Rus.
1328 41.5 BBC, 1335 45 videos
1352 48 videos, 1405 46.815 se
1410 41.25 France, 1445 48 audios
1530 US ne 45's
1854 KOA824 39.82 Big Mountain, MT-p
2220 45.25 N.Z. video

11-22:
0026 KOP303 35.62
0028 " 35.46; 38.34 Russian?
1330 KCD582 33.70 Harvard, MA-f
1332 KCD482, 1345 41.5 BBC
1408 W.-Barre, Scranton
1440 41.88 Russian, 45 videos
1450 46.815 se, 1454 48 videos
1535 48 audios
1545 KBG782 39.54 Lynbrook, NY-p
1600 KCB890
1603 KGA905 39.82 Media, PA-cp
2245 40.62 Pac.?, 2325 38.24 Rus.
2330 39.66 Rus.?

JANUARY 1980

11-23:

1302 43.7 Spanish, 1335 41.5 BBC
1340 Scranton, 1410 45 videos
1417 48 beats
1433 KCI295 43.22 Manchester, NH-tp
1434 KRS665 " Agamenticus, ME-"
1445 48 videos, 1455 48 audios
2255 40.69 ? Pacific ?

11-24:

1343 W.-Barre, 1405 46.815 se
1443 41.27 France, 1515 48 videos
2050 45.25 N.Z. video
2240 KCD346 33.80 Tolland, CT-f

11-25:

1330 KCF790 33.46 Brimfield, MA-f
1400 46.815 se, W.-Barre
1403 Scranton, 1417 45 videos
1420 41.5 BBC, 1435 41.25 France
1450 43's US ne

11-26:

1351 KEC515, 1352 KCC405
1354 41.5 BBC, 1400 W.-Barre
1401 Scranton, 1415 45 videos
1503 46.94 Spanish, 1515 48 videos
1530 41.25 France, 1645 KBG782
1703 KCI295, 1728 KOA824
2141 KOP303 35.46, 2202 Port. 35.26
2230 38.24 Russian
2320 KOB304 39.82 Pullman, WA-lg
2345 42.04 ?

11-27:

1315 KCA346, KCA305; 1405 41.5 BBC
1410 46.815 ?, 1440 45 videos
1505 mid-45 Spanish, 1555 48 audios
1640 KCB890, 1643 KCI295
1658 41.25 France, 2245 42.04 ?
2255 hi-36 Russian

11-28:

0100 KLF527 35.22 Honolulu, HI-tp
1346 KEA860, 1358 KCC405
1443 43.7 se, 1500 41.5 BBC
1540 45 videos, 1620 KCB890
1622 KCA703 39.82 Fairhaven, MA-p
1640 KCB829 39.10 Morristown, NJ-lg
1650 KCB834 " Windsor, VT-lg
1706 35.26 Roseburg, OR-mp
1710 " Eugene, " "
1827 KOP303 35.46, 2007 Port. 35.26
2007 KCA346, 2010 Seattle 35.26
2150 40.62 Pac.?, 2230 hi-36 Rus.
2345 37.47 ?

11-29:

1358 KCC405, 1410 41.5 BBC
1430 45 videos, 1450 43's US ne
1455 mid-45 Spanish, 2055 40.62 Pac.?

11-30:

0135 L.A. 35.46, 0136 L.A. 35.38
0240 San Diego 35.38 (all Es)
1342 KCA305, 1348 KCC405
1401 KCF358 33.70 Centerville, MA-f
KCD497 " Buzzards Bay, " "
1402 KCD498 " Sandwich, " "
KGE547 " Greensburg, PA-vf
1407 41.5 BBC, 1450 45 videos

VHF UTILITY DX

JANUARY 1980

(Dyer, cont.)

11-30:
1500 43's US ne, 1510 48 videos
1540 45.3 se, 1955 43.26 Portland
2000 KRS665, 2008 KOP303 35.46
12-1:
1348 KCA346
1406 KCD246 33.70 S.Yarmouth,MA-f
KCF264 " Truro, " "
KCD271 " Harwich, " "
KCE288 " W.Tisbury, "-cf
KCD492 " Dennis Port,"-f
KCD497, KCD498
1407 KCD594 33.70 Chatham,MA-f
KCB781 " Barnstable,"-cf
KCD454 " Hyannis, "-fdi
1410 W.-Barre, 1415 KCA570
1440 46.815 se, 1450 41.465 BBC
1450 48.25 beats, 1455 KRS665
1455 KCI295, 45 videos
1525 48 videos, 2058 Port. 35.26
2058 Eugene 35.26 (also the
43.26 mobile units)
2115 KOP303 35.46, 2338 35.26 Sea.
2338 mid-37 Russian, hi-40 ?
12-2:
1331 KCF587 33.70 Monroe,CT-cf
1358 41.5 BBC, 1400 41.25/.23 Fr
1410 45 videos, 1435 48 videos
2225 45 N.Z. videos
12-3:
0059 KLF527
1416 KCA305
KCD622 37.54 New Haven,CT-wtr
1428 41.23/.25/.27 France
1450 41.5 BBC, 1510 48.24 video
1515 45 videos, 1645 48 audios
1745 44+ US ne, 1915 44+ Canada?
2240 45.24 N.Z. video

49-50+ MHz loggings, Swan 250, Ameco nuvistor preamp, 5-element Cush.
horizontal Yagi at 23 feet with rotor

11-6:
1420 49.75 videos ne
1615 VOLJN St.Johns,NFLD
1715-1800+ bs to nw
VEL,2;W1,2,3,4,7,8,9,Ø
1745-2250 Alaskans
(Fairbanks, Anchorage)
2135-2350 49.75 videos nw
11-7:
1330 49.75 videos ne
1428 EI2W Dublin, Ireland
1620 VOLJN
2055 AL7C Anchorage
2325 JRLEYS Japan (burst)
11-8:
1350 49.8 ?
1800-2050 Hawaiians
2240-2330 49.75 videos nw
2255 JA8EIA Hokkaido, Japan
2312 JA8QX " "
11-10:
1400 bs to ne

12-4:
1358 KDN599 33.70 Paxton,MA-f
KCN575 " E.Princeton,""
KCH585 " Rutland," "
KCE537 " Sterling,""
KCH239 " W.Boylston,""
1359 KCD658 " Westminster,""
KCD582
KAV492 " Winchendon,""
1405 KCD454, 1422 KCA346
1435 41.27 France, 1545 41.48 BBC
1540 45 videos, 1600 43.58 ne
1650 48 videos
1702 KME543 42.34 Susanville,CA-sp
KCR335 42.50 Oroville, " "
KDG271 42.34 Alturas, " "
1711 44+ US, 2225 45.25 N.Z. video
12-5:
0020 35.26 Seattle
1347 KCB999 33.78 Burlington,VT-f
1425 41.5 BBC, 41.25 France
1430 45 videos, 1620 43's US ne

(On the best days, when the MUF is
at or very near 50 MHz, little
attention is paid to the 30-50 MHz
events in any detail. Thus many
interesting loggings in the 42+
range are very likely being over-
looked here. In an attempt to show
the 6-m events more distinctly, I
have placed them in a separate
section that follows this. In some
of the more wild openings there,
I've had to generalize the infor-
mation and not list the multitudes
of call letters heard on 50 MHz.)

11-10:
1428 VO1DI (Newfoundland)
1430-1545 49.75 video ne
1800-1955 Alaskans
(Sitka, Fairbanks)
11-12:
1420-1450 49.75 videos ne
11-14:
1430 bs to ne
1445 VELAVX Bridgewater,NS
1610 VOLJN
2255-2330 49.75 video nw (faint)
11-15:
1445-1600+ 49.75 video ne
(blips to 50.025 @ 1520)
1930 bs, n.TX
2215-2250/2335-40 49.75 nw
11-16:
1440-1705 49.75 videos ne
(with blips to 51+ MHz @ 1630)
1535-1625 Newfoundlanders
2255-0105 49.75 video nw (faint)

VHF UTILITY DX

JANUARY 1980

11-17:
1435-1600 49.75 videos ne
(above 50.1 after 1500)
1520 bs OK,TX
1530 VO2AG Labrador
1555 VOLJN
1700 "GM2QA" "Scotland"
1730 bs to nw vy strong & wide
1735 VE7 on semi-direct
1740-1850/1945-2235 Alaskans
(Ketchikan, Anchorage, Fairbanks)
2240-0040 49.75 videos nw
11-18:
1400-1700 49.75 videos ne
(over 50 after 1500)
1435 VOLJN
1700 "GM2QA" (likely unauthorized)
1720 VEBBY Yellowknife,NWT,Canada
1815 KL7IBG Ketchikan,AK
1905 KH6IAA Hilo,HI
2300-0040 49.75 videos nw
11-19:
1335 49.75 video faint to 1430
(by 1440 over 50 MHz)
1450 bs OK,TX 1530 bs NM
1538 VO2AG, 1545 EI2W
1609 VOLJN
1645 bs to ne from west coast
1730 bs all US call areas to north
1840-2000 Alaskans, 2110 KL7IBG
2245-2300 49.76 video nw
11-20:
1440 49.75 faint video ne
1455 bs ne; VELAVX
(1515 video over 50 MHz)
1525 EI2W, 1526 "G6SIX" "London"
1610 VO2AG, 1640 VO1
1815 still VO1, 1840 KH6IAA
1900 bs ne, 1915 bs nw
2040 KL7IBG
11-21:
1410 49.75 videos ne, 1450 bs ne
1455 EI2W, 1500 video over 50
1500 VELAVX, 1920-2020 Alaskans
11-22:
1440-1535 49.75 videos ne
1600 VOLJN
1725-2130 Alaskans(Ketch.Anc.Fbks.)
11-23:
1425 49.75 videos ne (over 50 @1520)
1537 VELAVX, EI2W; 1600 VOLJN
1603 VELAI/1 Sable Island
1800-2045 Alaskans (KL7IBG et al.)
1925 VEBBY
2213-2225 KL7's again
11-24:
1445-1500 49.7 Spanish to se
1510 ZB2VHF 50.04 Gibraltar (fsk)
1600 49.75 videos ne & over 50
1610 VELAI/1, 1625 NS & NB VEL's
1700 VE2EFL (PQ), 1705 K1TOL (ME)
1800 f/outs, 2115 KH6IAA (briefly)
11-25:
1530 VOLJN

11-27:
2300-2325 49.76 video nw
11-30:
1700-1740 bs sw, AZ,CA,NV
1920-1950 Hawaiians
2000 bs MO,TN to west
2030-2040 KH6's again
12-1:
1545 ZB2VHF (beacon)
1605 VELAVX, 1635 VELASJ NB
1635 VO1, 1640 bs FL,TX et al.
1820 KH6IAA
1845-2100 bs nw W5,7,8,Ø
1850 KL7IBG
12-2:
1430 KV4FZ US Virgin Islands
HCLJX 50.037 Ecuador (beacon)
1550 bs sw W5,6,7,9,4
1655 VELASJ, 1700 VELAVX
1750 Hawaiians (bs to sw)
1845 bs W5,Ø, 1940 KH6IAA (direct)
1940 KL7IBG 2110 Anchorage area
2124 VY1AU Whitehorse, Yukon
2215-45, 50.75/.76 N.Z. TV audios
12-3:
1400-40 49.6/.9 Spanish se
1630-1725 bs sw AZ,CA,TX,LA
1655-1710 49.75 videos ne
1805-25 KH6IAA
12-4:
1510 KV4FZ
1545-1800 bs sw CA,AZ,NV,TX
1810-2010 Hawaiians
1800-1815 bs nw W5,8,9,Ø
12-5:
1420-1515 HCLJX (operating)
1540-1900 bs sw then nw then w
VEL,W2,4,5,6,7,8,9,Ø
1705 VO2AG, 1745-1935 Hawaiians
2240 50.75 N.Z. audio (brief)

(late item: 12-9:1645z 51.75 BBC
Ch B2 video)

other 6-m news (for more details
see QST, ham radio report (weekly),
or the SMIRK newsletter (see my
April 1979 column) -- Ireland to
California, US east coast into
Japan, Guam, Marshall Is., E.Caroline
Is., Argentina; Japan to Arg. and
Brazil; New Brunswick to New Zeal.
(Nov 24, 2020z).

Solar flux peak of 383 in Nov tied
the Cycle 19 peak day (Dec 1957) but
due to values in the 150's later in
the month, the average was much lower
(233). Cycle 20 peak 262 in Feb
1968. But, lots of things happening
with the flux now in the 240 area.
Listen around 28.885 to keep tabs.

73, Pat W5W1XX

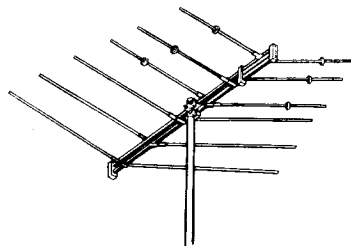


January 1980

Deadline: 5th

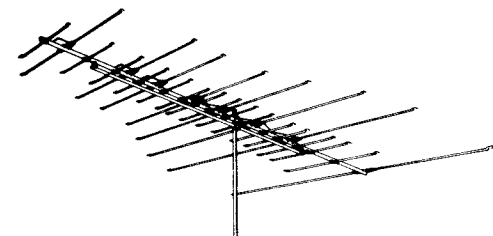
Q: "What is a log-periodic antenna?"

A: Log-periodic antennas are multi-element types that are designed to cover very wide frequency ranges with moderate gain and near-constant impedance characteristics. Unlike the classic yagi antenna, the log-periodic (many DXers call them "logs") has many driven elements, each one larger than the next, spaced logarithmically on the boom. The larger elements act like reflector elements to the smaller ones. Most modern broadband TV and FM antennas apply the log-periodic principle to the yagi design, so we often call them log-yagis. Usually, a cut-to-channel or single band TV or FM antenna will be a yagi, because yagis are better for smaller frequency ranges. The problem with trying to use a yagi for a very wide range of frequencies (such as the lowband TV channels, FM, and the highband TV channels) is that the yagi is really only resonant at one particular frequency, so that it tends to perform best only in a band of frequencies close to that one "center frequency" which the antenna is "cut" for. The big disadvantage of the log antenna is the fact that its pattern is not as sharp as a yagi of the same size. As a result, logs are not very popular among avid TV DXers, many of whom have also noted another serious disadvantage: poor front-to-back ratio.



"V" TYPE LOG-PERIODIC

However, the log-yagi antenna is very popular among TV and FM DXers these days because the latest versions offer a combination of the best features of logs and yagis. Since logs have practically the same impedance across the entire range of frequencies or channels they are designed to cover, they tend to be just about as "hot" on one channel as they are on the others. Since yagis have better front-to-back and directivity and gain characteristics, log-yagis make better DX antennas than logs. The most common log-periodic design in use in much of North America is the "V" type log-periodic; they seem to be among the cheapest antennas available. Conversely, the best log-yagi VHF antennas tend to be among the most expensive, such as Channel Master's Quantums, which are top-of-the-line VHF TV DX arrays.



LOG-YAGI

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Q: "What does the 50 dB quieting specification mean on an FM tuner?"

A: The 50 dB quieting spec has become an industry standard to show you how strong an FM signal has to be to reach "full quieting" (noise free) level on a given tuner. The lower this spec is, the better for FM DXing in general, although it's not the most important spec to the FM DXer. FM tuner manufacturers have agreed that any signal strong enough to suppress background noise (audible as "hiss" on weak signals) by a minimum of 50 db (ie: over 300 times stronger than the noise) is defined as "noise-free" to the listener. This spec is usually given in microvolts (uV), and is often being expressed in dbf these days. Obviously, it's closely related to the tuner's sensitivity specification. Don't confuse the two specs--sensitivity will also be expressed in either uV or dbf, and refers to the tuner's ability to receive any FM signal. The 50 dB quieting value will tell you how strong the signal actually has to be to be hiss-free, and that's often of more importance to those who want their FM DX to be high fidelity as much as possible.

(continued on page 34)

Happy decade everybody. This month is nearly entirely devoted to F2. Even your editor has a bunch to report (although they are all of the same 2 stations, hi). Especially interesting reports come from Rich Turcsany, Jerry Pulice & Glenn Jacobs. There are also some tropo reports, but other than Bill Draeb's, nothing spectacular.

John F. Combs 2485 Ivan Ct. Orlando, FL 32807 (EST/EDT)

OCTOBER		28 GW 1450 WCLF-22 FL 74		27 Tr 0928 WHMA-40 AL 441	
1	GW 1630 WOFL-35 FL ex WSWB		Clearwater (New rel; tnx to Steve West who advised me they were on)	0929	WAAY-31 AL 525
2	Tr 0900 WJWJ-16 SC 290 WLTN-19 SC 392				WCLP-18 GA 475
	0902 WIS-10 SC 387				WDCC-15 GA 294
3	0818 W61AA-61 FL 184				WJSP-28 GA 357
4	0838 WRBL-3 GA 329		Tr 1634 Charleston V's	0938	WABW-14 GA 244
	WTVM-9 GA 329		30 F2 0850 BI Vid. Buzz		WAFF-48 AL 530
	WMAZ-13 GA 318		November		
	0839 WALB-10 GA 244		2 F2 1245 BI Vid. Buzz	0945	WRJA-27 SC 373
	WABW-14 GA 244		11 Es 1552-1850+; UNIDed	0949	WATU-26 SC 337
	WDCC-15 GA 294		S.S.W. W/horz rolling-prob. Cent. America	1043	WHNT-19 AL 525
	0840 WJSP-28 GA 357				WHIQ-25 AL 527
	WETV-30 GA 403		12 Tr 2230 Panama City V's		WYEA-38 GA 357
	WATL-36 GA 403		WJWJ-16 SC 290	1044	WTCL-45 TN 519
	WYEA-38 GA 341		WDHN-18 AL 301		Chattanooga
	WANX-46 GA 403		16 Tr 0250 W64AD-64 FL 164	1045	WRLP-61 TN 519
	0841 WTBS-17 GA 398		F2 1041 BBC1-B1 GB		Chattanooga
	0843 WCWB-41 GA 318		Laandona (from Latin, means city of Llamas, ed)	28	2345 Charleston V's
	0846 WGIQ-43 AL 329		"Welsh service, minus offset"		
	0917 WJWJ-16 SC 290		18 Tr 0040 WMBB-13 FL 263		
7	0935 W64AD-64 FL 164		20 0510 UNIDed-7 strange strong, nonsync signal, seemed to peak west		
9	0733 Charleston V's		F2 1115 BI Vid. Buzz		
	Es 1557 XEFB-3 NL T		"this in almost daily now too".		
	KPRC-2 TX T		1115 E2 Vid Buzz 48.25 MHz		
	XHRIO-2 TAMS T		BBC1-B2 GB		
	Tr 1955 Charleston V's		Prob. Holme Moss		
21	F2 1130 TF1-F1 France 4 poss. XMTRS		1415 BBC1-B1 GB		
	1132 BBC1-B1 GB		Tent. Redruth (very low offset)		
	"Location unknown, assume Crystal Palace"		21 Tr 0448 WTVY-4 FL 295		
	"Both TF1 & BBC1 audio in everyday from this point on-only regional ID's will be logged"		22 F2 1020 E2 Vid Buzz, poss 3 different sigs.		
	Tr 2334 WMBB-13 FL 263		1047 BBC1-B2 GB		
23	Tr 0910 WJWJ-16 SC 290		24 0845 E2 Vid buzz, no B1 or B2 !		
	WABW-14 GA 244		25 1030 E2 Vid buzz		
24	F2 1400 BI Vid buzz (45 MHz, 1st time)		27 Tr 0100 W64AD-64 FL 164		
25	Tr 1025 Panama City V's		0928 WBMG-42 AL 469		
	WABW-14 GA 244		0928 WANX-46 GA 403		
28	0215 WCSC-5 SC 309				
	WCIV-4 SC 309				
	0300 WITN-7 NC T				

Ken Simon 513 Sixth Ave. S. Lake Worth, FL 33406 (EDT/EST)

August		3 Tower down Hurricane David		20 Tr 0635 WJXT-4 FL	
21	Tr 0425 UNIDed 7 WITN ?			F2 0810	TF1 France
	1620 WJWJ-16 SC			21	0920 TF1 France
	WSAV-3 GA				"2 frequencies"
September		October		0930	
1	Tr 0800 WJKS-17		4 Tr 0550 WJXT-4 FL		BBC1 UK
	WCJB-20		9 Es 1414 KPRC-2 TX		0935 BBC1 Vid. Buzz 45 MHz
	Es 1833 YVVA-2 Ven		13 F2 0743 TF1 France		
			17 0750 TF1 France		
			0908 BBC1 GB		

Ken Simon Con'

OCTOBER					
23 F2 1330	TF1 France			30 F2 1010	TF1 France
	BBC1 B1 GB	1000	BBC1 GB	November	
25	1320 TF1 France	1100	BBC1 Vid Buzz	18 F2 0828	E2 UnDed video
	& Corsica (-20)		45 MHz		buzz
	1330 BBC1 B1 GB	28	0850 TF1 France	25 Tr 0800	WCLF-35 FL
26	1345 TF1 France	29	0705 TF1 France		Orlando
			0752 BBC1 B1 GB	0815	WCLF-22 FL
					Clearwater

"During Nov. TF1 (F2/41.23), TF1 (F2/41.25), BBC1 (B1/41.48), BBC1 (B1/41.50) and BBC1 video (B1 45.00) were noted quite often... as early as 0700 and as late as 1500. But due to work schedule no local IDs noted." (Ken, will you please use the same format for your reports as appears in the VUD ? I will not accept another report with the format you used this time, it caused too many problems and took twice as long to type, ed).

Rich Turcsany 7 Cayer Circle Shelton, CT 06484 (EDT/EST)

OCTOBER

4 F2 1445	TF1-F2 41.25	15 F2 1420	BBC1-B1	21 F2 1000	E2 Europe
	"First sign of F2 TV DX"		TF1-F2		R1 Soviet Bloc
5	1430 TF1-F2	1425	BBC1-B1		BBC1-B1 (V)
	BBC1-B1		Granton	1015	BBC1-B2
	Llandonna		41.535		TF1-F2
	41.465	19 Tr 2240	WVEC-13 VA 300	1245	RTE-B1 Ireland
	BBC1-B1		WCVE-23 VA 320		Sligo (V)
	Crystal Palace		WYAH-27 VA 320	1250	BBC1-B1 (V)
	41.50		WTVZ-33 VA 320		Llandonna
	BBC1-B1		Norfolk	1253	RTE-1A(V) Ireland
	Divis	2243	Baltimore U's		45.75
	41.50		Salisbury U's	1314	BBC1-B1 (V)
	1445 BBC1-B1 (V)	2315	WWT-12 VA 320		Granton
	Crystal Palace	2335	WGCB-49 PA 190	24	1230 BBC1-B1 (V)
	45.00		WAFB-22 MD 220		E2 Europe
7	1215 BBC1-B1	17 F2 1425	BBC1-B1	1400	BBC1-B1
	TF1-F2		TF1-F2		TF1-F2
	1240 BBC1-B1 (V)		BBC1-B1 (V)	25	1420 BBC1-B1 (V)
	1257 BBC1-B1 (V)	18	1420 BBC1-B1		BBC1-B2
	Reduth	19	1420 BBC1-B1	26	1420 BBC1-B1 (V)
	44.98	20	0900 BBC1-B1	27	0835 BBC1-B1 (V)
	1357 BBC1-B1 (V)		TF1-F2		E2 Europe
	Divis		BBC1-B1 (V)	1020	BBC1-B2
	45.00	0910	BBC1-B2	1035	BBC1-B1
	1410 BBC1-B1		Holme Moss		TF1-F2
	Reduth		48.25		"All offsets
	41.48		E2 (V)		strong"
11	1430 BBC1-B1		R1 Soviet Bloc	28	0915 BBC1-B1 (V)
	BBC1-B1 (V)		(V) 49.75		E2 Europe
	TF1-F2	0920	BBC1-B2		BBC1-B1
12	1420 BBC1-B1		No.Hessary Tor	0945	"Local water co.
	TF1-F2		48.23		hrd complaining
	BBC1-B1	1045	BBC1-B2		about CCI on 48.25"
	Ashkirk		Londonberry	1020	BBC1-B2
	41.515		48.27	30 Tr 1930	Scranton U's
	1510 TF1-F2	1140	BBC1-B1 (V)	31 F2 1420	BBC1-B1 (V)
	41.27		Ashkirk		
13	1000 BBC1-B1		45.02		
	TF1-F2				

"Being one of the first to log European TV this season, may I say that it was quite a suprise having the MUF reach above 50 MHz only two weeks after I first heard BBC1 & TF1 audio. BBC ch.1 video, Europe ch.2 video, Soviet Bloc ch.1 video, and even RTE (Ireland) ch.A (45.75 MHz), and ch. B1 (45.00) video were also heard within the first two weeks. The way the MUF is rapidly peaking indicates that any day now F2 will be seen on our U.S. standard TV sets, and channel 2 stations on both coasts will make good targets. As of this writing (11/15), BBC ch.1 video and ch.2 audio are still in, as well as channels E2 and R1. And I received a letter from Jerry Pulice in Staten Island, who says he received the Phillips test card from RTE (Irish Channel B, 53.75 MHz), as well as many channel E2 stations. Next report will feature DX as received on a foreign TV. 73's."

Jerry Pulice 143 Gibson Ave. Staten Island, NY 10310 (S.I.)

Sat. 10/27 1051 EST 3 video, 3 audio carriers on 48.25-screen white with pulse-

Jerry Pulice cont'

(illegible, ed) patterns under from 625 line VID. 1158 Montreal Police calls on 41.50. 1225 48.25 audio from BBC sports (Rugby ?) 1314 frantic dispatcher on about 45.00-"repeat repeat" "interference-a buzz"-couldn't get message thru and repeated attempts blocking an otherwise good ch. B1 picture.

10/28 1000 E2 video in & out, weak buzz only. 1141:50 Russian woodpecker (or harmonic) hrd on 44 MHz. 1135 brief view of priest/minister Ch E2.

11/3 0655 BBC/TF1 41 MHz audio breaking bearcat squelch. (I use it as an alarm clock-if there is nothing worth watching, I don't get up). 0830-0930 E2, 3 stations, unreadable. B1, F2 audio in excellent. 1015-1030 E2 video first time much better quality picture than B1 ever produced, less ghosting. Could either be due to less % bandwidth and/or less multipath due to high freq. 1110 48.25 pileup- too many BBC-2 audio and E2 video carriers. 1130 B2 audio excellent, B1 video weak, fading.

11/4 0645 41.50 audio in, earliest yet. 0700-0730 weak 48.25 buzz in then out (Africa ?). 0855 Ch R1 snowfree- credits rolling in cyrillic !!! 49.75 MHz. Tape of this seen, scan converted, by Bill Grant, Glenn Jacobs, & Murray Bernstein. 0905 B2 video excellent, R1 now a pileup. 0910-0930 ice skaters now on R1-severe ghosting. 0945 48.25 3 BBC audio carriers; weak video carrier. 49.75 a mass of heterodynes-very hollow & distant sounding.

11/6 noted solar flux at 284; A & K indexes both 1. Told the boss I'd be late next morning.

11/7 0645 TF1 41.25MHz up suddenly. 0650 B1 41.5 up suddenly. 0730 45.00 vid in suddenly (like turning a switch). Finally saw the BBC test pattern with the girl in it, severe ghosting. 0745 sign-on B1, swa news, pictures of Kennedy, Vance and the Ayatollah (perfect). 0810-0830 Phillips FM 5544 (I think) TP on R1 (49.75) such severe multipath it was like a checkerboard, snowfree. 0835-0846 B1 cooking show-how to make fish pie: (FEH !) (Llama stew tastes much better, ed) BBC1 & sports show ID at end- start "over the moon" kids show. 0900 noted weak French video on 52.40-thought I'd try for my first 819 line picture-the monitor locked immediately in 625 line mode(?). 0905 retuning audic receiver noted a much stronger video carrier on 53.75 MHz-this was what I was seeing. Picture was the Phillips TP again 625 neg. polarity with RTE written at bottom in black square. This was Ireland new country IDed. I am only 15 miles from WGBS on 55.25- it took the ultimate in notching and bandpass filtering to separate the two. The Phillips TP looks like a checkerboard via F2- taped 38 min of the TP and some periods of reception were quite good. 0945 RTE went to a clock- 5 hours ahead of EST-on air at 1001:20 big letters ERIE or ERIN- couldn't read-then into show on water skiing or boats or something like that. Ghosting much worse than tune-in an hour ago.

11/11 0630 41.25/41.50 audio in. 0715 45.00/48.25 video buzz in. 0830 B1 in with terrible ghosts. E2 video very strong, not intelligible due to pileup of BBC audio and several video carriers. Murray Bernstein's 405 line British TV here on loan.

11/17 Sat. 0753 48.25 buzz in/out at 0810 (Africa ?) 0820 pileup on 48.25 assorted BBC audio carriers & several video carriers. 0845 B2 video extremely strong & ghost-free. 0850 E2 video strongest ever-had to use 30 db attenuator in my antenna line-saw ice skaters. 0900 R1 severe ghosting- a girl dragging in beach sand, then to what seemed to be news- a stocky-Russian looking woman behind desk or podium. 0910 R1-airplanes very strong-ghost free.

11/18 Mini F2 convention at Glenn Jacobs place in PA. Had two each 625 & 405 line commercially built receivers. Saw excellent pictures on E2. No observations made since (today is 11/29). Solar flux (flare enhanced) hit 385 on 11/13/79. I never thought that it would ever get so high in my lifetime. It seems that conditions may get supernormal (witness 11/7) before severe flares (11/13) hit. This was also noted last Feb. 17. Several times I noticed out of sync 50 Hz video under 45.00 ch B1 and have always assumed this was some quirk in my home made receiver. Rich Turcsany in CT has informed me Ireland operates 3 low power translators on 625 line ch A (45.75). This may explain everything and any repeats will be logged from now on. Far as I'm concerned, I've seen it all now. As of 11/29 solar flux is down to 151. 73."

Daily Latella 30 Rockefeller Plaza New York, NY 10020 (EST/EDT)

OCTOBER

10 Cs 0815 1 Tomcat.

"Mr. Kramer, how can I join CATX ? I really like cats. (Thats CADX, Chicago Area DXers, CADX, not CATX Emily, ed). Oh...Never mind."

Glenn Jacobs K3WEI RD#1, Box 354-A Moscow, PA 18444 (EST)

November

7 F2 0901 RTE-1 Ireland 53.25, 100% clear and watchable on both my U.S. sets on U.S. Ch.2. Phillips test card with letters RTE at bottom. Clock comes on at 0945 daily then S/On at 10 AM-pictures strong even with indoor antenna. (For anyone looking for F2 DX this should be a cinch, when its in, as it has been on numerous occasions, U. ch. 2 is obliterated.)

19 0857 BBC1 Holme Moss & another excellent video.

Glen Jacobs Cont'

November

19 F2 0900 BBC-1 ID slide. 0905 BBC1- B3-audio Scotland- local level-sound bars thrown against U.S. ch.21

20 1000 BBC1 E2, test card "F", photo taken, picture watchable. 1023 B2 test card "FM 5544"-local strength and good quality-interfering on U.S. ch.2- good photo taken. 1158 RTE-Ch. B on U.S. Ch.2-with Electric Company-perfect picture- No F2 ghosting !-quality good even with indoor antenna.

"BBC-B1- has been rare so far this year-when B2 video in-B1 is usually not in. Now have converter for R1 & E2-these video buzzes have been strong. I picked up a 625 line set for Bill Grant and had some excellent E2 with it. From where is a good question ! Get together with Pullice, Bernstein & Grant on 11/18. We were treated to several hours of BBC video on Ch. E2 and MUFs as high as B3 (53.25). Jerry has some unbelievable video tapes of his F2 DX that he brought. R1 with cyrillic letters is clear and amazing. 73's."

Paul E. Petosky Box 51 Trout Lake, MI 49793 (EST)

NOVEMBER	20 Tr 2059	WHWC-28 WI 344	20 Tr 2130	WMTV-15 WI 310
7 Tr 0150	WREX-13 IL 330	Menomonee	2200	WHFM-20 WI 257
	0155 WSAU-7 WI 257	#362		Wausau
20	1800 WKAR-23 MI 240	operating at		#363
	1830 WBYI-25 MI 200	60% power		

"On 11/15 installed new Belden 8213 (75 ohm) coax, running barefoot, no amplifier, for UHF only, reoriented my antenna-left my VHF setup as is. I also joined the Ray Laakko Amateur Radio Club in St. Ignace. Wouldn't you know why they wanted me to join- my knowledge of VHF/UHF-and you would guess- the club project is building an earth satellite from the ground up (TVRO). If anybody has any bits and pieces out there let me know- as our club needs a lot of help in this project. Does anybody in the club have any info on frequencies for (TVRO) or something of this nature- HELP ! I do have a friend at Andrew Corporation- and waiting patiently for what info he has for me. Been in contact with Roger W. Bunney in Romsey, Hants, England re: DX rcvr for E2, as I am trying to purchase a 405 & 625 line set- he wrote me a lengthy typewritten letter- and also rcvd under separate cover the Sept. 15-21, 1979 edition of Radio Times- just loaded with TV & Radio schedules from the U.K.- similar to out TV Guide- only larger- like its 12" x 10". It even has the frequencies and call letters- BBC 1 & 2 & much more. Roger referred me to contact Hugh Cocks, In Robersbridge, Sussex, England- in just a couple letters- Hugh has my set waiting for me. Here goes: 9" Sony TV99JUB (B&W) a very sensitive set- it will receive 405 line VHF or European/Australian 625 system B VHF (E2 & etc). The changeover is effected by pushbottons at the front of the set. Hugh has modified this set for me already. In his last letter to me dated 10/16- he said signals have been up to the US to 44 MHz so far, and he said my Sony was picking up some of the stronger stations on just the whip antenna on 42-43 MHz !!! I'll be sending him a check in the next couple weeks- and should have it here in about 10 days from England. I want to thank all those involved in helping me get in contact with the right people- we have a good close membership in our club- and if and when needed- they go out on a limb and really help out! God bless & thanks to all concerned DXers. I hope I can return the favor sometime !!!" Paul reports reception of a new station, CBLPT20-26 Sault Ste. Marie, Ontario. It runs 1200 watts video and 120 watts audio. Its still in the testing stage, but is one to look for in the future, ed.

Bob Zent 1835 Fruit St. Huntington, IN 46750 (EST)

November	24 Tr 2318	UnIDed 24 WSW	24 Tr 2351	CBLPT-25 ON 360
24 Tr 2300	CITY-79 ON 360	WPTY ?	25	0003 CMT-47 ON 360
	CBLPT1-76 ON 300	2346	WPGH-53 PA 290	Toronto
	CBLPT2-40 ON 260		WQLN-54 PA 290	Toronto U's
	CIGO-18 ON 260	2351	CIGO-28 ON 300	"Snow Free"

Microphone L. Hogan 13910 Chippewa Apt. 1 Burnham, IL 60633 (CST/CDT)

Bill Draeb Ellis St. R.R. #2 Kewaunee, WI 53216 (CST/CDT)

SEPTEMBER	30 Tr 0800	K79BL-79 IA 285	6 Tr 1920	KHIN-36 IA 453
29 Tr 0818	WKYT-27 KY 473	Iowa City		KHNE-29 NE 617
	WFIE-14 IN 420	XLTR WOC-6		KSIN-27 IA 462
	WHT-25 IN 420	0815	UNIDED XLTR 54	1934
30	0700	KEMA-41 MO 525		KCPT-19 MO 525
	0715	KTSB-27 KA 560		KEMA-41 MO 525
	0749	KYFC-50 MO 525		KYFC-50 MO 525
	0752	KCBJ-17 MO 450		1941
0800	K7400-74 IA 345	NOVEMBER		KTSB-27 KA 560
	Ottumwa	2 Tr 0815		1949
	XLTR KCCI-8			KYNE-26 NE 481
	K76BZ-76 IA 345	3		KBIN-32 IA 476
	Ottumwa WHO-13	1833		2046
				KIMN-24 AR 734
				"Same offset as
				KYIN"
				KFPW-40 AR 734

Bill Draeb- cont'

NOVEMBER

6 Tr 2100	KOZK-21 MO 589	7 Tr 0725	WJSP-28 GA T	7 Tr 0821	KTVP-29 AR 683
	KMTC-27 MO 589		"pretty good	0824	WCFT-33 791
	KTVP-29 AR 683		signal at		WNUL-33 WV 498
	KGMC-34 820		times but WSJV		WBMG-42 AL 768
	T, same offset		too strong"		WPBO-42 OH 461
	as WNIT, not		WKYT-27 KY 473	0840	WMAV-18 MS 715
	strong enough	0740	WKS0-29 KY 538	0843	WUSI-16 IL 402
	to ID		WCET-48 OH 400		WZTV-17 TN 585
	2253		WAFF-48 AL 685		WCTE-22 589
	KCBJ-17 MO 450	0750	WAAV-31 AL 685	1830	WPTT-22 480
	KTVJ-16 MO 633		WKS0-29 KY 589		WKYT-27 KY
7	0525		0757		WKS0-29 KY
	KFVS-12 MO T		0806		
	0546		WTBN-17 768		
	KMTC-27 MO 589		WETV-30 T		
	0548		WATL-36 T		

Tim Cronin 7500 111th St. Worth, IL 60482 (CDT)

May

11 Es	1900	KOB-4	NM 1116	16 Es	1000	KWGN-2	CO 909	4 Tr 1809	WKZ0-3	MI 118
21	1900	WPBT-2	FL 1146	27 Tr	0150	WKZ0-3	MI 118	1900	WFYI-20	IN 159
		Miami		29 Es	1950	UnIDed 4,	MDT	1900	WILL-12	IL 114
		1901	WEDU-3			ABC		2030	WAND-17	IL 125
		2100	WCIX-6	30	2030	KTVQ-2	MT 1061	2210	WILX-10	MI 175
			Miami			Billings		5	0037	UnIDed 10 CBS
June				August						
1 Es	1209	KAMR-4	TX 882	6 Tr	1930	WTHR-13	IN 159			
	1216	KAUZ-6	TX 792	7 Es	1740	CCI 2,	WBBM,			
		Wichita	Falls			KPRC ?				
		1219	KTVY-4			1800	UnIDed 4	NBC		
		1228	KFDX-3			1801	KIII-3	TX 1102		
		1258	KHMA-6			10	1725	WWL-4	LA 819	
			Denver				1729	KATC-3	LA 828	
		1301	KOA-4			September				
		1859	WTVJ-4			4 Tr	1758	WHBF-4	IL 146	
3		1930	KIII-3					WISC-3	WI 127	
5		1934	KMOL-4					WKOW-27	WI 127	

"Quickly, since I haven't reported before, an intro. I'm a sportswriter with the Daily Southern Economist, a suburban Chicago paper. My TVDX equipment is a Sony 12" color set (c. 1970) with the original VHF and UHF antennas. The best of "recent" DX: Es in May and June, and a trop opening in September that netted 3 new stations. Not mentioned are many receptions of WTMJ-4, something of a regular in Summer. Current total is 127. 73."

Marvin Shultz R.R. #1 Toulon, IL 61483 (309) 286-7291 (3DT)

November	17 Tr	0457	WNEM-5	MI	20 Tr	1645	WLIO-35	OH
14 Ms	0436	WSYR-3	NY		Ms	0458	WCBS-2	NY
	0548	WDSU-6	IA		Tr	0553	WKYK-32	KY
16 Tr	0430	WXON-20	MI			0600	WFIE-14	IN
	0500	WILX-10	MI		18	0523	KMTC-27	MO
	0507	WDHO-24	OH		20	1641	WUAB-43	OH
	1958	WKS0-29	KY			1645	WNNO-45	OH
	2030	WCET-48	OH				WBGU-57	OH

"The November 14-18 Leonids meteor shower was extremely disappointing as evidenced by my scant results (UnIDeds cut, ed). On Nov. 17 I saw the WMAQ computer XMTR readout featuring their telemetry master page status showing such things as audio and video frequency deviations. The Nov. 20 tropo from Ohio came in just before a wet front passed through as conditions deteriorated rapidly after passage of the front. I had WJAN-17 for about an hour with them claiming to be the flagship of the PTL Network. Funds for a proposed Illinois ETV Network was recently vetoed by the Governor which means that Moline-24, Macomb-22, and Jacksonville (or Bluffs)-14 will not be on the air in the foreseeable future. The Ch.14 XMTR from Jacksonville (WJY-14 ABC several years back) is to be transferred to Olney, IL for WUSI-Satellite of WSIU-8 Carbondale, IL, to replace old XMTR. 73's Marv."

Ralph Kramden 3406 W. Pierce Chicago, IL 60651 (312) 235-5188

November	17 F2	0951	FT1-F2	41.25	20 Tr	1849	WBGU-57	OH 200
14 F2	0938	BBC1-B1	41.5		22 F2	1027	BBC1-B1	41.5
	0939	FT1-F2	41.25	18	0848	FT1-F2	41.25	
16	1024	BBC1-B1	41.5	19	0945	BBC1-B1	41.5	
		FT1-F2	41.25			FT1-F2	41.25	
					25 Tr	0923	WCMU-14	MI
						0926	WILN-54	PA 398
							"Snow Free"	

17 Tr 0418 KIIN-12 IA 203 20 Tr 1559 WLIO-35 OH 200

Robert Kramer cont'

25 Tr 0930 WUCM-19 MI	25 Tr 0943 WUAB-43 OH	25 Tr 1006 CBLFT2-40 ON
WXON-20 MI	0946 CFMT-47 ON 440	1021 CKGN-22 ON
WEYI-25 MI	CBLFT3-48 ON	26 F2 BBC1-B1 41.5
WKBD-50 MI	0947 CBEFT-78 ON	<u>DECEMBER</u>
WTVS-56 MI	CITY-79 ON 440	8 F2 0945 EBC1-B1 41.5
WCPR-62 MI	0952 WDHO-24 OH	<u>BBC1-B1 41.515</u>
CICO-59 ON	0953 CBLFT1-76 ON	Ashkirk
0943 CKCO3-42 ON	Kitchener	

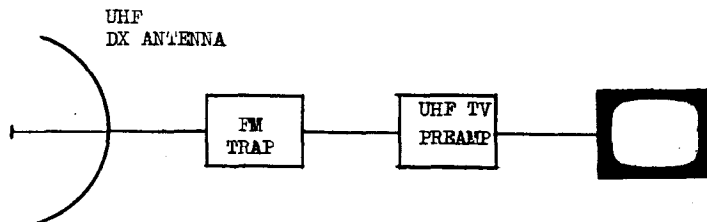
"The BBC1-41.515 logging is probably only tentative. There were definitely 2 audio signals in and the 1 was above the usual 41.5 signal. Unfortunately my VHF radio has very poor readout, so reading the frequency is impossible. I got a nice QSL card back for my reception of BBC1 back in October. It doesn't appear that I'll be attending graduate school, so there should be no need to a new editor of this column. Thanks go out to anyone who may have stepped forward if there was a need for a new editor. Mike Hogan, your wife called. She said you should stop on the way home for milk, bread & sugar. 73's".

TECHNICAL TOPICS

(continued from page 28)

Q: "I have a UHF TV preamp which does not overload on the closest UHF stations (no strong local U's around here), but does pick up local FM signals all across the UHF TV band. It's not too bad in some directions, but most of my UHF DX comes from the same direction as the FM locals. Is there anyway around this problem?"

A: There's a very simple solution: install a good quality FM trap between your UHF TV DX antenna and the preamp's input. If your FM locals are very close by, this might not get rid of all the FM overload on the UHF channels, but it should take care of most of it. The problem is due to the fact that even the best UHF TV preamps can detect and amplify strong local FM signals. To avoid the problem, you must get rid of most of the unwanted FM signals before they get into the preamp. With the right trap, there will be a small insertion loss on the UHF channels, but FM signals will be attenuated (i.e.



reduced) by as much as 30 db in some cases, if you use a good quality trap such as Winegard's T-FM3. FM overload of broadband TV preamps is a common problem, so we suggest that you shop around for the unit that gives you the best DX results versus overload rejection.

Q: "Is there a lot of difference between a cut-to-channel TV antenna and a broadband TV antenna covering the same frequencies?"

A: Yes, usually more of a difference on highband than on lowband TV channels --and from a DXer's standpoint, a big difference. By peaking a cut-to-channel antenna for maximum gain, there is typically a 2 to 3 db increase in gain over a similar antenna for the entire low- or highband range. As a result, directivity is improved over that of a broadband or "all-channel" type of antenna, and front-to-back ratio is at an optimum. Some TV DXers have noticed that certain types of all channel VHF antennas are not very good at their highest and lowest channels, due to steep cutoffs in their gain-versus-frequency curves.

WESTERN TV-DX

January 1980

Fred McCormack
Box 5221
State University Sta.
Fargo, ND 58105

Deadline: 5th

New _____ New Mode _____ Tentative - t Unidentified - unid

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

CST

Equipment: 1976 model 9-inch black & white Penncrest; Archer V-100 and 8-bay bow-tie UHF array at 20 feet with rotor.

November 1979

1 E? 1900-2110 unids 2 s (maybe Es link TE)	14 Es 1357 KNXT 2 CA 1190	26 tr 2300 WMAA 29 MS 525
	KNBCT 4 CA 1190	2303 WMAW 14 MS 625
	1420 f/outs	2307 WAPT 16 MS 525
12 ms 0455 $\frac{1}{2}$ WLAC 5 TN 820	24 Es 1035-1110 WJBKT 2 MI	2355 WBBH 20 FL 1040
13 Es 1959 KOAI 2 AZ 855	25 Es 0840 WFMt 2 NC 1175	27 tr 0600 WTVV 9 MS 665
XHBCT 3 BCN1010	WBTvt 3 NC 1105	0608 WGN0t26 LA 510
2002 KTVkt 3 AZ 835	0845 unid 4	0618 WMAU 17 MS 470
2011 KNXT 2 CA 1190	0950 f/outs	0619 WMAH 19 MS 570
KNBCT 4 CA 1190	26 tr 2220 WRBT 33 LA 450	0620 WMAW 14 MS 625
2012 KVVU 5 NV 1040	2229 KTLs 24 LA 350	0622 WMAA 29 MS 525
2013 KORK 3 NV 1050	(Shreveport)	29 Es 1950 XHBCT 3 BCN1010
(MUF 107.9 @ 2052)	KLAA 14 LA 430	XETvt 6 BCN1100
2155 XETV 6 BCN1100	2259 WEIQ 42 AL 630	(MUF 91.1 @ 1950)
2235 unid 2 spanish	2300 WMAU 17 MS 470	1958 KNXT 2 CA 1190
2255 f/outs	WMAH 19 MS 570	2005 KNBCT 4 CA 1190
	WMAO 23 MS 570	soon f/outs

November 26 trans-gulf tropo the first noted on UHF in a long time. However, a cold front arrival on the 27th did it in. Es in the month not overwhelming, though some good evenings.

BBC-1 (45 video) now being viewed with 1971 model set i.f. strip (and 2 stage Hamtronics preamp). Was using the 6-m beam (having to point it backwards), but now using the regular VHF TV antenna.

Still no luck in flipping the video detector to get the right polarity image. However, lots of semi-watchable ch B1 on many days. Multi-path ghosting, CCI, and 43-45 MHz signals (local and DX) sometimes subside enough. Having the horizontal osc down to the 10-kHz area for the 405 lines does dim the brightness and shrink width a bit. Best pix seldom comes when audio on either 41.5 (B1) or 48.25 (B2) at their best (due to F2 dispersion) - it does make it easier to hear so you can figure what you're trying to look at! 73, Pat, WA5IYX (very nice tropo loggings, Pat. fm)

Fred McCormack, 909 12th St., Fargo, ND 58102

There has been no DX noted here recently with the exception of British and French F2. BBC-1 audio is noted most of the time in the 1000-1200 CST period. It is often quite weak. I have yet to log any on ch B2. I have identified the Divis transmitter which seems to be the most common here, but no other positive ID's even though I often hear two separate programs. Hopefully there will be some December Es reports next time.

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MORE FOREIGN TV SKEDS-- PLUS AN UPDATE ON CUBA'S TV STATIONS NOW ON THE AIR

REPORTS ON SOME SUPER WINTER TROPO CONDITIONS

NEXT MONTH
in the V.U.D.