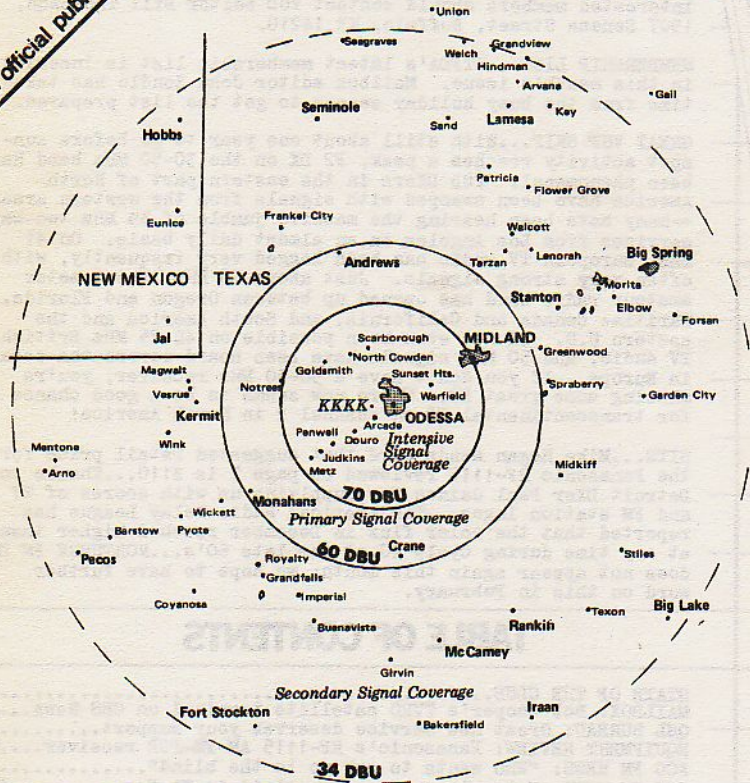


VHF-UHF DIGEST

the official publication of the Worldwide TV-FM DX Association

JANUARY 1979

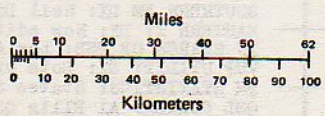
IN THIS ISSUE: A PORTABLE FM DX RIG



"QUAD K 99 fm" □ 100,000 watts



KKKK 99 fm □ STEREO/QUAD



From The Staff :

WTFDA Headquarters, P.O. Box 202, Whiting, Indiana 46394

CONVENTION '79...Baltimore will be the site of this year's WTFDA convention. Hosts Tom Yingling, Jr. and Don Blevins submitted the sole bid for this year's gathering. August 3-5 has been tentatively set for the dates. More details will appear in next month's VUD.

EDITORS NEEDED...EASTERN TV DX and WESTERN TV DX are both in need of new editors. If you can type, and would like to do a monthly DX column for the VUD, we'd like to hear from you. Interested members should contact VUD editor Bill Thompson, 1907 Seneca Street, Buffalo, NY 14210.

MEMBERSHIP LIST...WTFDA's latest membership list is inserted in this month's issue. Mailbox editor John Zondlo has taken time from the busy holiday season to get the list prepared.

GREAT VHF SKIP...With still about one year to go before sun-spot activity reaches a peak, F2 DX on the 30-50 MHz band has been phenomenal. PSB DXers in the eastern part of North America have been swamped with signals from the western areas --many have been hearing the massive jumble of 39 MHz two-way services from Los Angeles on an almost daily basis. On 41 MHz, European TV audio has been logged very frequently, with often very strong signals. Just above 50 MHz, the 6 meter amateur radio band has opened up between Oregon and Florida, Maritime Canada and California, and South America and the eastern U.S. DX has even been possible on 48.25 MHz British TV audio, and 50 MHz signals have been heard across the ocean in Europe. If you don't have a 30-50 MHz receiver, you're missing some great DX. There now seems to be a good chance for transcontinental F2 on channel 2 in North America!

BITS...Mike Hogan sends word that suggested retail price for the Panasonic RF-1115 reviewed on page 7 is \$110...Thanks to Detroit DXer Paul Gaines for supplying us with scores of TV and FM station logos...The American Radio Relay League has reported that the solar flux in December reached higher than at any time during Cycle 20 of the late 60's...NORTHERN FM DX does not appear again this month; we hope to have further word on this in February.

TABLE OF CONTENTS

STATE OF THE CLUB.....	3
MAILBOX: Bob Cooper's TVRO satellite terminal on CBS News....	4
QSL BUREAU: Great new service deserves your support.....	5
EQUIPMENT REVIEW: Panasonic's RF-1115 AM-FM-PSB receiver....	7
FCC FM NEWS: "Who wants to say no to the blind".....	8
FCC TV NEWS: Motorola versus channel 14 in El Paso.....	10
PHOTO NEWS: A test pattern from El Salvador.....	12
SOUTHERN FM DX: Neil Dickerson catches 800-mile duct.....	13
EASTERN TV DX: New editor needed, Kentucky-Texas ducting....	16
IN SEARCH OF PSB: Los Angeles County PSB info.....	20
VHF UTILITY DX: Lots of good DX, F2 MUFs above 50 MHz.....	23
FM STATISTICS: States Stats, 89 MHz DX records.....	29
QSL CORNER: Al Ellis's QSLs BBC-TV F2 reception.....	30
A PORTABLE DX-QUALITY FM RECEIVER: DX FM wherever you go!..	31
MEMORABILIA: Remember when KQIV was channel 21 in Iowa?....	35

STATE OF THE CLUB

The purpose of this report is to reflect on the activities of the club during the past year and focus on what can be done in 1979. Let's first take a look at 1978.

The past year showed greater support from our western members with our first western VUD editor, Frank Aden. Frank handled the editorship well, but the increasing lack of technical articles and other problems brought about his resignation.

Two new publications, EFM and Ondas FM, both by Mike Dorner, appeared during 1978. Unfortunately, inflation has forced the price of some club supplies upward.

Club membership hit an all time high of 358 during 1978. The club received widespread publicity through familiar sources such as Communications World, Communications Handbook, WRTH, and ANARC. We did, though, get publicity from a rather new source, that being shortwave stations such as Radio Nederland and HCJB. WTFDA received many plugs on their weekly DX programs, for which we're very grateful. A mass mailing was sent to about 300 IRCA/NRC members, which brought in 15 new WTFDAers.

Our convention was held in Louisville in 1978, and although it was well-attended, not as many as expected were present. Co-host Wayne Murphy reports that about \$50 to \$60 was made on the convention, but HQ has yet to receive a financial statement.

Looking ahead to 1979, we can look forward to many new innovations in the VUD from new editor-in-chief Bill Thompson. Bill's combination of technical expertise and a degree in English should make for a fine product in the months to come.

A new edition of the WTFDA TV Station Guide, earmarked for last year, should be ready in 1979. We have had several problems with the new Guide. The current situation is this: In August, Frank Aden completed the manuscript and sent it to Ron LeBlanc in Louisiana for work on the maps. Three months later, Ron sent it back to Frank, return receipt requested. Unfortunately, it hasn't been received in Oregon, and the post office feels it's probably somewhere in that state. Publications manager Morrie Goldman is in charge of the project, and hopes to have a finished product soon.

As soon as the TV Station Guide is ready, work will begin in earnest on a new Translator List. The old List is no longer in print, and with rapid changes in translators, it's far out of date now. WTFDA will also get a new, revised edition of the introductory booklet, Beyond Shortwave. The new edition will feature brief articles on propagation, TV, FM and PSB DX, plus several new items. Target date for it is early this spring.

On a sour note, it appears that we will soon have to increase dues. At the present rate, we are losing money on each membership. Printing costs have risen dramatically, and postage increases mean we're now paying a minimum of 48¢ more per member for postage. It seems evident that postage will increase again soon. The expected increase will put membership dues at \$13 per year. There will be time before the increase is effective so members can extend their membership at the old rate. WTFDA has been able to avoid a dues increase for nearly four years because of good management, profits made on publications, and a healthy bank balance that hovers around the \$3,000 mark. With the bills coming in shortly for publishing the TV Station Guide, the Translator List, and Beyond Shortwave, that balance will go down quickly.

This year's convention will be in Baltimore, and hosts Don Blevins and Tom Yingling are already hard at work planning for it. Unlike past years, there will be many attractions for the PSB DXer, plus talks on FM and TV DX.

It is hoped that membership by the end of 1979 will surpass 400. Another mailing to BCB DXers is planned, plus we will go after shortwave DXers. Hopefully, we will again get good play from various electronic publications, plus articles about the club and hobby. Last year membership grew only half as fast as in the past two years, due to the poor DX conditions and the lack of TV/FM/PSB DX articles in major publications.

Though it may be repetitious to many of you, the club needs your support to continue. We encourage you to report to VUD columns and write technical articles. We always appreciate your comments about how the club is operated. May you all have a DXful 1979!

WTFDA Board of Directors



MAILBOX

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

New Members:

<u>Greg Agnew</u>	35 Tidal Road, Mangere East	Auckland, NEW ZEALAND
Leo Boehl	622 W. Koenig	Grand Island, NE 68801
Phil Epstein	2870 Humboldt Ave. S.	Minneapolis, MN 55408
Robert Grant	5775 Bishop	Detroit, MI 48224
Jack C. Kaucher	P.O. Box 6	Greenville, OH 45331
Michael P. Koronka	324 E. 1st St.	Gaylord, MI 49735
Jerry Leon	439 Willow Way	West Chester, PA 19380
August Miller	6015 Breton Place	Newark, CA 94560
John Rieger	529A S. 71st St.	Milwaukee, WI 53214
Raymond Rodriguez	P.O. Box 26063	Houston, TX 77207
Larry Van Horn	7870A Corsair	Millington, TN 38053
George Viera	51 E. 97 St., Apt. 5F	New York, NY 10029
Walter Wesolowski	05721 Old York Road	Elmhurst, IL 60126

Renewals:

Don Blevins, Mike Brewer, Pierre Daigle, Dave Garvey, Chris Hansen, Roy Horsley, Albert Kopec, Doug Mackey, Deane McIntyre, Dave Pomeroy, Roger Sabella, Rick Samford, Norman Sorensen, Robert Steadman.

Address Changes:

Christian P. Hansen-2825 Webb Ave., Apt. 5F-Bronx, NY 10468
Albert S. Lobel-P.O. Box 26762-San Diego, CA 92126
Doug McAbee-8122 S. Slater Road-Goodrich, MI 48438
Kurt Nelson-147 Church Road-Philadelphia, PA 19111

Renewals Due in February:

James Brown, Jr., Bob Cooper, Bill Draeb, Pat Dyer, William Eckberg, Richard Eckman, Gary Farmer, Ted Fleischaker, William Hepburn, Michael Hollis, Thomas Holmes, Frank Hostetler, M. Augustin Jutras, Michael McNeely, Frank Merrill, James Morris, Gary Mullis, Allen Rockford, Chuck Sampson, James Sofonia, Verrell Tallet, Larry Vogt, Bradford Wall, James Wallace, Frank Wheeler, John Zeis.

New member GREG AGNEW is our lone New Zealander. He's also into BCB DX, and is a member of the New Zealand Radio DX League and the New Zealand Radio DX Association. He learned of the club through the World Radio-TV Handbook.

The DX gear of LEO BOEHL includes a 12" B&W Coronado (Toshiba) TV, a Zenith 23" TV, a Sharp 19" Lynitron Color TV, and a Quantum #1112 antenna at 35' with an AR22XL rotor. Leo says he's a lifelong electronics nut who learned about the club in Communications World. A few comments from Leo appear in Tidbits.

A mention of the club in the Minneapolis Tribune encouraged PHIL EPSTEIN to join. Phil is interested in TV and PSB DX and has a TV antenna mounted at 137'....not bad, eh?

A 19 year old student, MICHAEL KORONKA learned about the club in Communications World. His DX equipment includes a Panasonic RF1170 receiver and a Winegard FM-3T antenna.

AUGUST MILLER is an electronics technician who's interested in FM DX. He uses a Sony STR-2800 receiver connected to a beam box and various indoor and outdoor antennas.

The DX shack of JOHN RIEGER features a Panasonic RF2200 for FM and a Quasar (Zenith) TV. He also heard about WTFDA in Communications World.

From the Lone Star State comes new member RAYMOND RODRIGUEZ. Raymond is an electronics student who says he heard about WTFDA in the Harlingen TX Valley Morning Star.

His interests spanning BCB, FM and TV, LARRY VAN HORN is also a member of NRC. Larry is an officer in the U.S. Navy.

Cotham City member GEORGE VIERA uses a B&W Sony portable for TV DX, without an outdoor antenna. He heard about the club from Gilfer Associates.

The call letters WB9AYS belong to member WALTER WESOLOWSKI. He's into TV DX, and uses a JVC 3241 B&W TV connected to a Winegard antenna. Walter is employed as a TV technician.

QSL BUREAU

Don Davis
107 Oakdale Dr.
Warner Robins, GA
31093

Finally! I would like to thank all of the patient folks who have been waiting quite some time for this article. I hope everyone finds something interesting.

How the system works - There are some stations which just won't verify no matter what you do. Almost. Invariably a personal visit to a station with report in hand will get you your prized verie (if you ask nicely). However, making a trip to a station out of your local area is out of the question in most cases. This is where the QSL Bureau comes in. You are not alone in the verie game; a large number of members who collect QSLs are in exactly the same situation as you. If we were all willing to spend a couple of hours each month visiting our local stations with other member's reports, it is obvious that everyone's verie total would be very close to 100%!

Mechanics of the system - After you have sent a verie request to your prized DX catch, give the station a reasonable amount of time to answer you. I was curious as to just what constitutes a "reasonable" length of time, so I took some arbitrary pages from my log book and came up with the following: 70.3% of the stations responding with a QSL took between 0 and 30 days; 13.3% took 31 to 60 days; and those stations taking longer than 60 days weighed in at 16.2%, with most answering within 90 days. From this I think that 90 days is not an unreasonable length of time to wait before taking follow-up action. By follow-up action, I am not talking about sending another report! Use the QSL Bureau. Use the list of station "managers" and find the person who has volunteered to manage stations in the area your holdout is located. Once you know who that is, send him a copy of your report, SASE, and a nice little note thanking him for making a super effort to support brotherhood via DXing. This involves some amount of effort on behalf of the volunteer "manager", as it will require a personal visit to the station using some diplomacy.

Volunteer!!! - The only way this thing will work is for all of you to sign up right now. Simply send me a note telling what stations, or what geographic area you would like to be responsible for. As an example: all metro L.A. stations, all stations within a 50 mile radius of Macon GA, etc. Once you do that, I'll make sure that your name appears in print in periodic updaters in the clubs. I am setting this up as a nonpartisan operation, and this is being sent to WTFDA, IRCA and NRC.

Side Effects - Some additional benefits to be derived from this system will be of benefit to the entire club as well as the QSL collector. When visiting the station and requesting a verie, I have found that stations are more than happy to supply a quick note written on a piece of their letterhead stationery. This looks so much nicer than a PPC. Also, whenever I visit a station I always play "20 Questions" with the GM or whoever will talk to me. Some interesting questions you might ask are: "When is your frequency check?", "What are your hours of operation?", etc., etc. I find that taking along my NRC log (or FM Atlas) really impresses station people. And when I ask them to make pencil changes or additions to their entry in my log, I've made a friend for life.

The List - These kind (and patient) souls have already volunteered to manage their local-area stations. Let's hope we can regularly add to the list.

<u>Area</u>	<u>Manager</u>
Vero Beach to Ft. Lauderdale, FL	Chuck Morgan, c/o WPBR, 3000 S. Ocean Blvd., Palm Beach, FL 33480
Houston, MS (30 mile radius)	Mike Heppe, Box 7, Houston, MS
NW Indiana	John Zondlo, 6617 Maryland, Hammond, IN 46323
All KY stations west of I-75!!!!	John Hooperheide, 105 Bayside Lane, Brandenburg, KY 40108 Note: possible 4 month delay as special trips cannot be made. Patience.
All Pascagoula MS stations	Chris Baskind, 603 Enger Drive, Pascagoula, MS 39567
New Bern & Jacksonville NC	Gregg Allinson, 908 Christopher Ave., New Bern, NC 28560

QSL Bureau

January 1979

Chicago, IL and area
(50 mile radius)

Richard Pistek, 8559 S. Komensky Ave., Chicago,
IL 60652

Macon, GA area
(40 mile radius from
Warner Robins)

Don Davis, 107 Oakdale Dr., Warner Robins, GA
31093

Note: may possibly cover other middle GA stations
from time to time. Write me.

Provincetown, MA

Ernie Cooper, 5 Anthony St., Provincetown, MA 02657

Central NJ
(40 mile radius from
West Orange, NJ)

Elliott R. Strauss, 27 Devon Drive, West Orange, NJ
07052

Please be considerate of the managers and the station personnel. It would be very embarrassing for someone to try getting a verie with a poorly written report. Get out a good road atlas and take a look at just where your station is located. It won't do any good to expect someone to chase down a station 300 miles away when he volunteered for a 25 mile area.

When you get a verie, whether through the QSL Bureau or not, be sure to report it to QSL Corner editor Tom Yingling. Don Davis is an experienced DXer and a member of WTFDA, IRCA and NRC. Please give him your support!—John Zondlo

WTFDA Mailbox (continued from page 4)

January 1979

Tidbits.....

We have these words from new member Robert Grant: "I very much enjoyed the 1978 tropo season. Due to antenna limitations (a small, indoor RCA rabbit ears antenna with click matching and a moveable UHF double loop), I could only DX during the late night and pre-sunrise hours. My best catch was a 375 mile tropo WBRE-TV 28 Wilkes-Barre PA at 6AM August 21."

As mentioned previously, here's a few words from Leo Boehl: "The reason I'm joining? After literally depending on the TV Station Guide for this long, and the disbelief encountered when I start talking to somebody about TV DXing, I was beginning to wonder what it would be like if WTFDA dried up and blew away....no more TV Station Guides, etc. Don't worry, it's just the beginning. I'm with you for good now." Commenting on his 12" B&W Coronado TV used for TV DX, Leo says, "Have verifications of over 300 miles using it with single monopole on TV and disconnected cable-TV cable to alley telephone pole - 60' longwire NNW - believe me, it does work and absolutely is not cable!"

Hope many of you had a chance to see member Bob Cooper on the CBS Evening News recently. He was showing off the TVRO dish he built. An article on building such a dish is expected to appear in Radio-Electronics magazine this spring. Bob also had an excellent article in the October 21-27 TV Guide.

Here's a few words from Don Davis (107 Oakdale Drive, Warner Robins, GA 31093): "My deepest apologies to Robert Ross and the club for my September Mailbox. I didn't mean to sound as though I were condemning you personally, and I shouldn't have used the word 'bragging'. The idea I wanted to get across is that the way we present ourselves to broadcasters has a tremendous effect on their future dealings with other DXers. I have visited numerous radio stations and have sifted through many verie requests, so I speak from experience. There is nothing worse than walking into a station to have the manager shake his head and moan, "Another DXer, huh?!" I am sure I am not alone in my view that any QSL request should be courteous, accurate, and include return postage. It's only fair."

Perry Ferrell of Gilfer Associates writes that he's found a couple dozen copies of a book called How To Build TV Antennas, dated 1964. He's willing to part with them for a \$1.50 each, postpaid. Perry says, "About 3 months ago a couple of DXers down in the Arkansas hills somehow found out that we had a couple dozen copies. They LOVED them and said it contained things about stacking antennas they'd never seen in print." Perry sent me a copy, and it looks pretty good. His address is P.O. Box 239, Park Ridge, NJ 07656. Perry is also looking for info about KALW, a station that operated in the old 42 MHz band in the late '40s. Says it's in his logs, but can't recall where it was, power, or even what it was.

See y'all next month.....73.....jz

REVIEW:

PANASONIC RF-1115 AM-FM-PSB RECEIVER

Michael L. Hogan

For those DX'ers who are looking for a better than average receiver that covers the PSB, the Panasonic RF-1115 is an excellent choice. I happened to discover this receiver when I was interested in monitoring the Chicago Police Department which transmits on the UHF band. In this brief article I will point out the features that I feel makes this receiver outstanding for the DX'er.

Location of Controls: The controls are designed to make operation of the receiver simple, quick and easy.

Controls and their functions: Two helpful features for the DX'er are the following: FM AFC switch, that is a defeatable AFC and the Dial light button, which allows for operation of the receiver at night without disturbing the non-DX'ers of your household... which helps maintain your late night DX activities. Also included on the receiver is a Recording Output Jack, which will help the DX'er keep a permanent record of his DX'ing.

Selectivity: Is above average. This is based on the fact that I was able to separate stations on the FM band with relative ease. Example: WYCA-92.3 transmits with 30,000 watts right down the road from my location and I have no difficulty with reception of stations on 92.1 or 92.5 .

DX capabilities: My best reception on the-

FM Band: WIOT 104.7 Toledo, Ohio during a recent average tropo opening.

VHF-Hi: U.S.C.G. in Milwaukee about 95 miles away.

UHF: Some mobile-telephone reception within the 20 mile range.

BCB (AM): Some excellent reception of local channel stations; but nothing spectacular.

Listening Range:

UHF: 450-512 MHz, PSB: 136-174 MHz, FM: 88-108 MHz
AM: 525-1605 KHz

Specifications and Diagrams: Were not included with the receiver. It has been a recent trend by manufacturers not to include these as they feel that the general public is not interested or technically inclined. But they could probably be obtained by writing to Panasonic.

Overall, I would recommend this receiver for the beginner to the veteran. The price is not prohibative either which is a brake for all DX'ers.

Michael L. Hogan



WFCM NEWS

Bruce E. Elving, Ph.D., Editor
18½ East Fifth Street
Duluth MN 55805, U. S. A.

This column welcomes Bill Thompson as publisher of the WTFDA, and we hope the club continues to grow and to aid and abet the DX hobby during his reign!

New Stations Granted:

AZ Benson 97.7 3000 h.v.; 270'; Stereo, m [Bcsta.
AR Eureka Springs *90.9 10 watts: Ozark Public /
CA Fowler 96.7 3000 h.v.; 300'
CA Red Bluff 102.3 2800 h.v.; 46'; 40-10-32; 122-14-
00 are its geographical coordinates
CO Manitow Springs *88.1 16000; 2070'; Public
Broadcast
FL Milton *88.1 10000; 283' U of West Florida
GA McRae 95.3 3000 h.v.; 300'
ID Coeur D'Alene 103.1 2200 h.v.; 350'
IA Red Oak 96.3 3000 h.v.; 71'
KS Garden City *91.1 10000 h.v.; 350' Kanza Soc.
Me Prisque Isle WEL F 101.7 3000 h.v.; 88'
MD Federalburg 107.1 2300 h.v.; 340'
MN Hoyt Lakes K280AW 103.9 s, r, i. [WAKX-FM
98.9 Duluth MN 10-watt translator], ON AIR NE
North Platte 97.1 10000 h.v.; 460'; k
NJ Lawrenceville WWRG *88.5 10 h.v.; Rider College
OH Clyde 100.9 3000 h.v.; 300'; Spanish, m
VA Malvern *88.1 2000; 510'; DE Valley Noncom-
mical. Malvern is NE of West Chester, E of Paoli
on Highway 30; new station to serve portions of
Philadelphia with coverage calculated at 17 miles
primary and 50 miles secondary under non DX con-
ditions.
PA Saegertown 94.3 3000 h.v.; 300'; nr
TX Perryton 95.9 3000 h.v.; 300' m
VA Ellenburg K257AL 99.3 s, g [KIAM 104.9
Wenatche WA 10-watt translator]

On Air and DX Ready [presumed]:

AL Burlington WJBR *91.1 10 watts
AL Birmer WQGL 93.5 3000 h.v.; 300'; mk
CO Cora KISZ 97.9 100000 h.v.; 1310'
CO Horseshoe KHOK 100.9 3000 h.v.; 300'
MA Holliston WHHB *91.5 10
MI Frankfort WBNZ 99.3 1450 h.v.; 410'; m
MN Minneapolis KRMJ *89.7 10
NM Alamogordo KINN-FM 105.5 3000 h.v.; 625'
NC Greensboro WNAA *90.5 10
TX Alvin KACC *91.3 800 h.v.; 120'
VA Radford WRRG *89.9 10
WA Warren WQFM-FM 94.3 3000 h.v.; 300'
WA Richland K10K 94.9 100000 h.v.; 1250'
WV Williamson WXCC 96.5 14200; 823'
PR Vieques Island WZV5 98.9 50000 h.v.; 950'

Stereo:

MD La Plata WXTA 104.1
MS Batesville WUUN 95.9
PA California WVCS - *91.9
PA Johnstown WJNL-FM 96.5
PA Philadelphia WDBB 96.5 m; continues to have
nightly stereo m music program
PA Pittsburgh WPIT-FM 101.5
PA Scottsdale WLSW 103.9, "FM-104"
WV Huntington WHPW *89.9, c, P
WV Morgantown *90.9 presumed to be \$, c, P

Deletion:

OH Jefferson WLMB *88.9 Schools

Call Letters Assigned or Changed:

AZ Douglas 95.3 KKRK (KAPR-FM)
AZ Mesa 93.3 KDKB (from KDKB-FM)
CA Los Angeles 105.1 KKG0 (KBCA)
CA Red Bluff 96.9 KSNR (KBLF-FM)
CO Grand Junction KCIC *88.5 KCIC
CO Pueblo 99.9 KYNR (CPJL-FM)
FL Leesburg 106.7 WYV (WHLV) WI Menomonee-
FL Naples 97.7 WSLG (WNCX) ie 92.1 WMOE
FL Quincy 101.7 WWSO (WNCN-FM) [WMMF]
IN Sullivan 95.3 WNDI-FM
IN Vincennes *90.5 WMCJ
MN Little Falls 92.1 WLF5
MS Jackson 94.7 WTYX (WTKX-FM) r (from s);
presumably dropping 6 (Nat'l. Black Network)
MS Ripley 102.3 WTXI
MT Bozeman 93.7 KBZN
NE Lincoln 102.7 KFRR (KFOR-FM); r (from m),
"Y-103."
NM Hobbs 95.7 KPER (KSCR) WY Cheyenne
NV Hampton Bays 107.1 WWHB 97.9 KBFC
OH Bucyrus 92.7 WBCO (WBCO-FM) (KFCB-FM)
OH Lebanon 103.7 K1CY (KBCO-FM); r (from m), \$
PA Edinboro *88.7 WRSB
SD Gregory O 101.5 KFXX
TN Germantown 94.3 WLVS (WEEF), probably
dropping or changing their nonID
TX San Antonio KVAR (KITE-FM); Spanish, Latin
(from m)

Facilities Changes:

AL Albertville WQSB 105.1 100000 h.v.; 310'
CA Fresno KKDJ 105.9 2400 h.v.; 1960'
CA Oroville KFAM 97.7 170' (3000 h.v.)
CA Riverside KDJU 97.9 16000 h.v.; 1570'
CA San Francisco KP00 *89.5 220 (h.v.); 630'
CA West Sacramento KWHS *91.1 add w/v
DC Washington WRQX 107.3 36000 h.v. (590')
GA Canton WCHK-FM 105.5 1800 h.v.; 380'
IL Alton WOKZ-FM 100.3 50000 h.v.; 35000v; 340'
IL Indianapolis WAJG *104.5 48000
(490'). IN Indiana ALGNA KLGA-FM 92.7 1150
h.v.; 340'. LA Houma KHOM 104.1 54000 h.v.;
400'; MI Ann Arbor WUOM *91.7 89000 h.v.;
890'; coverages of 43 miles primary and 77 mi
secondary. This compares to coverages of 41
miles primary and 91 miles secondary with their
former super power of 230,000 watts horizontal
only at 470'.
MI Gaylord WRRM 106.7 100000 h.v.; 580'
MO Kansas City KXTR 96.5 100000 h.v. (670')
NJ Asbury Park WJLK-FM 94.3 300' (3000h.v.)
ND Grand Forks KKDO 92.9 70000 h.v. (210')
ND Williston 96.1 to have vertical
OH East Liverpool WELA 104.3 80000 h.v.; 335'
PA State College WQWK 96.7 3000 h.v.; 78';
reduces coverage—but these newly announced
facilities may be for an auxiliary transmitter and
not for the main; FCC does not clarify which.
SC Anderson WANS-FM 107.3 1010' (100000h.v.)
TN Nashville WZEE 92.9 650' (100000 h.v.)
TX Daboll KPFL-FM 95.5 440' (50000 h.v.)
TX El Paso KLAS 93.9 80000 (980')
TX Waco KNFO 95.5 6000 h.v.; 245'
WI Kenosha WJZZ 95.1 22000 h.v. (260')
WY Cheyenne KLEN from 106.3 to 100.7,
100000 h.v.; 490'
WY Lander KDY 97.5 62000 h.v.; 275'
WY Laramie K10Z 102.9 80000 h.v. (1150'), 74
kilometers primary; 150 km secondary

Formats/Networks:

AL Prattville WQIM 95.3 fm
CA Los Angeles K105-FM 102.7 m
CT Norwalk WLQY 95.9 r (not m); "Q-96."
DE Georgetown WSEA 93.5 r (not m); "FM-94."
GA Columbus WFXE 104.9 s (from sr)
GA Columbus WVOC 102.9 r (from mr); "V-103"
IL Chicago WLIC *88.1 pr; WGYC *88.7 pr;
WILW *88.7 p (ON AIR) 10; Loyol U.
KY Frankfort WKYV 104.9 rk, "Stereo 105," a
strict non-IDar.
MD Cumberland WKGO 106.1 NBC, "FM-106"
MI Detroit WOMC 104.3 fm
MN Detroit Lakes KVLFR 95.3 k (from rm)
MN Peterborough WSLB 92.1 pr (from mc)
NJ Toms River WOBM 92.7 rm
NY New York WYNY 97.1 rm (no longer all
Beats); drops "Y-97" nonID.
NC Kinston WGMN 97.7 r (from sr)
ND Jamestown K3JM 93.2 ABC-Entertainment
OH Ballerine WOMP-FM 100.5 s (from U);
"Whomp FM-100."

Abbreviations:

c classical, e ethnic, g gospel, j jazz, k country, L Latin, m middle of the road or easy
listening music, p progressive rock, r rock oldies and top hits, including "easy rock,"
while pr or pr is so-called "album-oriented rock," s soul, t talk. So-called "disco"
is usually abbreviated sr. Networks: M Mutual, N NBC, P National Public Radio, S is
Associated Press Audio, U United Press Audio. * is an educational station, h refers to
horizontal polarization of a station's transmitting antenna (standard for all U.S. FM sta-
tions), with v [vertical polarization] an option taken by nearly all stations because of
its ability to increase signal to car and portable FM radios. When v is in use, it is always
in use, too; the two are often spoken of together as "circular polarization," which is not
to be confused with "circular radiation," or use of a nondirectional transmitting antenna.
\$ is stereo. † refers to SCA.

Readers' Reports and Comments:

No sign yet of WTB1 105.7 McComb MS yet, reports Mike Dorner, Jr., who says
their new call letters are WIXO, Greek, for "Iesus Xristo," with a g format.
"The Lighthouse for the Blind, a New Orleans institution of long service, has
a cp: for 88.3—in this ch. 6 town—no one here can believe it, though there's an
88.3 in the ch. 6 Albany-Schenectady-Troy area. They want up on the ch. 6
tower, where WWNO wants to put its new antenna so it can go to 50 kw as
planned. Ch. 6 is dragging its feet. Who wants to say no to the blind?

OH Mansfield WCLW-FM 105.3 rk. Stereo 105.
PA Braddock WFFM 96.9 (not m);
drops SCA experiment at regulating electrical
utilities' power output
PA Pittsburgh WDSY 107.9 mk (m with a tinge of
k); "The Daisy," or "Daisy 108," but not a
strict nonIDar.
SC Anderson WAIM-FM 101.1, "Rock 101," \$
VT Brattleboro WTSB-FM 96.7 N (from m, U)
WV Beckley WTPA *91.7 c (from cm)
WV Buckhannon WVWP *88.9 c (from cm)
WV Charleston WFTO 102.7 s (from m) still no S
ON Kitchener CPGA 105.3 m (from mk)
ON London CPFL-FM 95.9 rk (from mq)

Non-ID or Slogans used frequently:

AL Tusculumbia WVNA-FM 100.3 Stereo 100
IL East St. Louis WMLW 101.1 Stereo 101
IL Litchfield WSMI-FM *91.7
IN Indianapolis WFRS 95.5 FM-95
KY Georgetown WAZU-FM-FM-103
OH Cleveland WUXK 93.1 Stereo 93
OH Columbus WXGT 92.3 said to sometimes fail
to give legal ID even on the hour as FCC rules
require, saying only "92.3." If you ever catch a
station failing to give its ID call or write them and
give them a warning; if this fails notify the FCC!
OH Kent WKNF-FM 100.1 100-FM
OH Youngstown WKBN-FM 98.9 Stereo 99
PA Johnstown WFRM 92.1 92-FM
WA Tacoma KNBZ 97.5 s (from rm); format:
WV Clarksburg WKWV 106.5 KK-106, or KK-
country, not Double K, as given previously
WV Wheeling WKWK-FM 97.3 97-FM
WV Rich Lake WJMC-FM 96.3 FM-96, rumored to
be going to country music (from m)
MB Winnipeg CITI 92.1 "92 City FM"

SCA [67 kHz] Activities:

CA San Diego KXY 96.5 Physicians Radio Net.
MD Annapolis WJMO 97.9 no SCA; carrier only
MD Baltimore WEA4 *88.9 no SCA
WBOC *91.5 no SCA
WBQC 93.1 no SCA
WITH-FM 104.3 PRN (O), the
Physicians Radio Network

MD Bethesda WJMO 94.7 no SCA
MA Worcester WRSR 96.1 weather (heard only
infrequently)
NY Plainville WPOB *88.5 no SCA on this 10-
watt, but SCA was authorized for them, r.
NC Greenville WNCST-FM 107.7 Muzak
NC Washington WITN-FM 93.3 music
NC Williamson WSEN 103.7 music
OH Mansfield WCLW-FM 105.3 music
OK Hobart KQTZ 105.9 adds SCA
PA Mechanicsburg WOVE 93.6 adds SCA
PA Pittsburgh KDKA-FM 92.9 resumes sports re-
lay on SCA; not known if SCA duplicates AM at
other times as it did before
PA Pittsburgh WAMO 105.9 Muzak
VA Woodbridge WQMA 105.9 no SCA
WV Fairmont WFGM 97.9 music
MEXICO Tijuana XHIS 90.3 no SCA; on the main
channel it's mostly Ranchero music now.



TV NEWS

John F. Combs
2485 Ivan Ct.
Orlando FL 32807
(305) 677-0066

January 1979

NEW STATIONS ON-AIR

KLMN-24+ Ft. Smith AR 11-9-78
KSTU-20+ Salt Lake City UT 10-24-78
STATION RETURNING TO AIR
WSVI-8 Christiansted VI 11-17-78

CONSTRUCTION PERMIT GRANTED

Jacksonville FL, Ch. 30+, T662, 994

APPLICATIONS FOR NEW STATIONS

El Centro CA, Ch. 7+, 316, 1408

(to be satellite of KESQ-42)

Evansville IN, Ch. 44-, 249, 405

Sandusky OH, Ch. 51-, 93.05, 324

Eau Claire WI, Ch. 18, 500, 744

(to be satellite of WXOW-19)

Casper WY, Ch. 14-, 1456, 1887

CHANGES GRANTED IN OPERATING STATIONS

KTVJ-16 Joplin MO to 1380-kw (2040)

KHOS-6 Sedalia MO to 100, 770, move xmtr

WPTD-16 Kettering OH to 1454-kw (759)

WVIA-44 Scranton PA to 2000-kw (1200)

CHANGE IN CALL LETTERS

KECI-13 Missoula MT (ex-KGVO)

AUTHORIZATION FOR PAY-TV

WNJU-47 New York NY

APPLICATIONS FOR PAY-TV

KAIL-53 Fresno CA

New 39 Miami FL

New 59 Indianapolis IN

New 17 Grand Rapids MI

New 24 Portland OR (2 apps.)

New 64 Providence RI

New 29 San Antonio TX (2 apps.)

LICENSES GRANTED FOR NEW TRANSLATORS

Kasilof AK: K45AB

Mohawk Valley/Wellton AZ: K65BB, K67B1, K69BQ

Lancaster/Palmdale/Quartz Hill CA: K62AN

Morongo Valley CA: K62AO, K64AU, K67BH

Clearfork, etc. CO: K09NS

Del Norte CO: K04JA

Hooker, etc. CO: K66AX

Piceance Creek/White River area CO: K57AX, K69BP

Piceance Creek rural area CO: K64AV, K67BK

Coolin, etc. ID: K08JH, K10KR, K12LF

Augusta KY: W56AT

Springfield MA: W69AQ

Winnemucca NV: K69BJ

Almond NY: W69AE

Spencer NY: W59AF

Nesika Beach, etc. OR: K021Q

Prineville OR: K66AZ

Kamas/Woodland TX: K48AE, K50AC, K52AE, K54AE

Mullin TX: K63AY, K65BC, K67BL, K69BS

Glennwood WA: K07OT

TRANSLATOR CHANGES GRANTED

Hecker, etc. CO: K07FD to Ch. 6 (K06JJ), cng stn to K0TV-9 (was KTVX-4)

Springfield MA: W69AQ cng stn to WSBK-38

Grand Marais MN: K74BQ to Ch. 65 (K65BJ)

Grand Portage MN: K82AQ to Ch. 59 (K59BJ)

Tucumcari NM: K72AX cng stn to KGGM-13

(was KFDW-12)

Randolph UT: K09BA cng stn to KTVX-4 (was KSL-5)

TRANSLATOR CPs GRANTED

Bisbee, etc. AZ: K57BD (KPAZ-21), 100

Crested Hot Springs CA: K60BB (KTBN-40), 100

Spring Valley Lake CA: K57BF, K60BA, K62AT,

K66BD (KTTV-11, KNXT-2, KNBC-4, KABC-7),

10, 20, 20, 20

Springville CA: K13PG (KFSN-30), 10

Crested Butte CO: K07PK (KTSC-8), 1

Marvine Creek CO: K59BK (KOA-4), 20

Piceance rural area CO: K61BD (KNHG-7), 20

Piceance Creek/White River CO: K54AH

(KNHG-7), 100

Keokuk IA: K44AB (KIIN-12), 100

Alexandria, etc. MN: K58AT (WIRT-13), 100

Laurel MS: W06AO (WTKO-11), ?

Pawnee City NE: K33AC (KUON-12), 1000

Capulin/Des Moines NM: K62AR (KOAT-7), 100

Deming NM: K55BT (KVIA-13), 100

Cuba NY: W60AJ (WXI-21), 10

Delhi NY: W56AY (WSKG-46), 10

Gilbertsville/Mt. Upton NY: W56AX (WSKG-46), 10

North Creek/Sodom NY: W09AZ, W11AW (WCDC-19,

WKTU-2), 1 each

Ostego/Wellsbridge NY: W62AW (WSKG-46), 10

Cave Junction OR: K13PH (KSYS-8), 5

Elkton OR: K66BE (KOAC-7), 100

Roseburg OR: K66BF (KOAC-7), 100

Ruch/Applegate OR: K13PI (KSYS-8), 5

Wasco OR: K62AS (KTVR-13), 100

Williams OR: K02JJ (KSYS-8), 10

Altoona PA: W59AI, W63AJ (WPTT-22, WPCB-40), 100, 20

Garden City/Lake Town UT: K63BF (KUED-7), ?

Gunlock/Santa Clara UT: K57BG (KVUU-5), 100

Randolph/Woodruff UT: K55BS (KUED-7), 100

Vanderhoist UT: K57BE (KUED-7), 20

E. Wenatchee/Wenatchee WA: K45AC (KREM-2), 100

Issaquah/Mirroront WA: K03FA, K10LA (KCTS-9, KIRO-7), 10 each

Granger/Little America WY: K69BY (KTUX-13), 10

APPLICATIONS FOR NEW TRANSLATORS

Chambers, etc. AZ: Ch. 11 (KOAT-7), 10

Flagstaff AZ: Ch. 62 (KPAZ-21), 100

Ganado AZ: Chs. 9, 13 (KOAT-7, KGGM-13), 10, 1

Lanyon Dam, etc. CA: Ch. 67 (KTXL-40), 100

Lakeport CA: Ch. 62 (KVIE-6), 100

Los Altos, etc., etc. CA: Ch. 42

(KNTV-11), 1000 (SEE COMMENTS NEXT PAGE)

Basalt CO: Ch. 2 (KRMA-6), 10

Carbondale, etc. CO: Ch. 62 (KRMA-6), 100

Snowmass at Aspen CO: Ch. 12 (KRMA-6), 10

Hartford CT: Ch. 61 (WXTV-41), 1000

Rexburg/St. Anthony ID: Ch. 12 (RPVI-6), 10

Hopkinsville KY: Ch. 57 (WKMA-35), 10

Thompkinsville & surr. area KY: Ch. 55 (WKSO-29), 100

Aitkin MN: Ch. 66 (WD10-10), 100

Bralnerd MN: Ch. 57 (WD10-10), 100

Pahrump NV: Chs. 6, 7, 9, 11, 13 (KLXV-10,

KVUU-5, KLAS-8, KORK-3, KSHO-13), 10 each

Buena Vista NM: Chs. 10, 12 (KOA-4, KOAT-7), 1

APPLICATIONS FOR NEW XLTRS (cont.)

Silver City NM: Ch. 12 (KRWG-22), 100

Guanica PR: Ch. 8 (WOLE-12), 1

Isabella PR: Ch. 10 (WOLE-12), 1

Sabana Grande/San German PR: Ch. 8 (WOLE-12), 1

Rutland VT: Ch. 58 (WNNE-31), 100

Fredericksted/St. Croix VI: Ch. 13 (WTJX-12), 100

TRANSLATOR APPLICATION AMENDED

Iron Mtn. MI (satellite app.) cng from Ch.53 to

51

CANADIAN NOTES OF NOTE

*****In Sault Ste. Marie ON, CJIC-TV, a CBC station formerly on Ch.2, has moved to Ch. 5 with the same calls. CKCY-TV, a CTV affiliate, now occupies Ch. 2. This is what is referred to as a "twin-stick operation"; that is, the two stations share the same tower, are housed in the same building, etc. This is believed to be the first time such an operation has been initiated between a government-run CBC station and a private CTV affiliate.

*****Representatives from the Ontario communities of Caramat, Ignace, Longlac, Nakima, Pickle Lake, and South Bay have gone before the CRTC to plead for retention of their low-power television transmitters. The stations were initiated by David Brough, who is applying to the CRTC for low-power stations in 25 remote areas. His group, called Northern Access Network, has been criticized for copyright violations and a high degree of U.S. programming, among other things. The citizens of the 6 towns have filed separate applications for the stations in their areas, in order to guarantee continuation of service in case Brough's applications are denied, which is highly probable.

*****Three Detroit MI stations (WJBK-2, WDIV-4, WXYZ-7) are reportedly being experimentally beamed by satellite to Canadian CATV systems to demonstrate "how cable companies are not restricted to their own area." Canadian CATV systems are reaching a level of high sophistication--carrying such things as House of Commons debates and CRTC hearings via satellite.

*****A news cooperative has been formed between the 6 stations of the Global Network and CKND Winnipeg, CFAC Calgary, CITY Edmonton, and CKVU Vancouver. They will exchange news reports amongst each other by satellite with the expressed purpose of creating a more effective news link between Ontario and the Western provinces.

*****TVO's Northern Ontario stations are finally in operation after much pressure on the Ontario government, which had decided to postpone the project. TVO now consists of 9 transmitters. (Could someone send me a list, please??) New stations in Owen Sound, Timmins, North Bay, and a host of communities along Lake Ontario are planned. Each transmitter is fully automated and all stations carry the CICO call letters.

MEANWHILE, BACK IN THE STATES.....

*****For those of you who may wonder why I listed one of the translator applications with three "et cetera"s in the location, it's because the full official location is a bit lengthy: "Los Altos, Los Gatos, Mountain View, Palo Alto, San Jose, Santa Clara, Saratoga, and Sunnyvale CA." No fooling! That's how the FCC lists it! Whew!

*****A battle has ensued in El Paso TX between the applicants for a religious TV station on Ch. 14 and Motorola, Inc. The latter operates various UHF radio services from the highest mountain in the area. The TV group has rented an adjacent spot on the mountain for their antenna. Motorola, however, strenuously objects to this, claiming that damaging interference will result to their services from the Ch. 14 transmitter. As a result, they shut down the only tramway up the 6000-ft. mountain in order to deny access to the Christian group. The latter responded by acquiring land at the bottom of the mountain, preventing Motorola from access to the tramway. The FCC, meanwhile, sits idly by, saying that there is nothing they can do in the situation. For months now, both groups have been using helicopters for access to their antennas!

*****Vacant Ch. 35 in Orlando FL is in the middle of a complicated struggle among several groups to operate the channel, left vacant by the demise of bankrupt WSWB-TV. A Florida state court awarded the bid to Omega Communications, who applied to the FCC for transfer of the license (which had been placed into receivership). Two other groups, Turner Communications, and the Christian Broadcasting Network, have drawn petitions to deny. Turner has purchased the transmitter site; however, CBN has purchased the transmitter on the site, and most of the station's equipment. A spokesman for CBN said "there may be many months of years of further litigation!"

*****Also in Florida: For a small station, WTVX-34 has its share of large problems. The little 6000-watt CBS affiliate in Ft. Pierce has trouble attracting an audience to begin with, but will have even more trouble when Ch. 25 hits the air in West Palm Beach. (It, too, will affiliate with CBS). Its only claim to fame is carrying the blacked-out Miami Dolphins games. Recently, the FCC fined the station for "clipping" commercials during network and syndicated programming. To top things off, their application for an 1100-foot tower was denied by Martin County, where a law states that no tower may exceed 4 stories in height. And you think you have problems????

*****Two new stations will join WTPV-47 to form the new Western Illinois ETV Network. They will be WJPT-14 (on-air target Dec. '79) Macomb, and WQPT-24 (Apr. '80) Moline.

*****CONTRIBUTORS NEXT TIME.....BYE!.....73, JOHN.

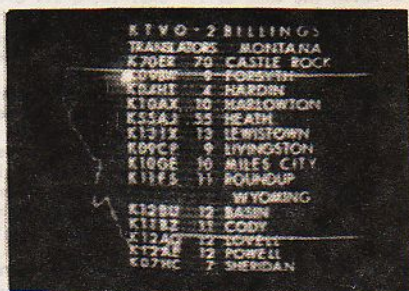
PHOTO-NEWS

Jim Alexander
4 Brook Court
Parsippany, NJ 07054

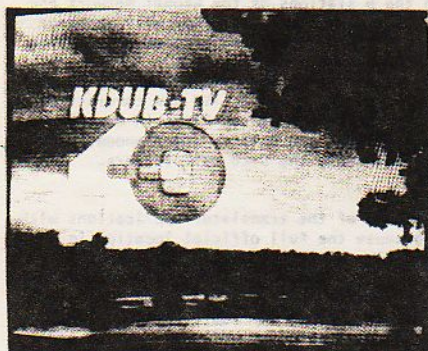
January, 1979



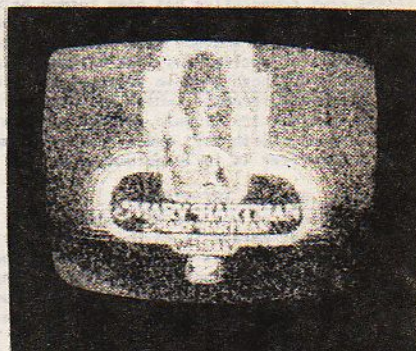
YSR- 2 San Salvador, El Salvador
E-skip Ken Simon, West Palm Beach FL



KTVQ- 2 Billings, MT
E-skip Jim Pizzi, Orcutt CA



KDUB-40 Dubuque, IA
375 mile tropo Paul Gaines, Detroit MI



WFLD-32 Chicago, IL
405 mile tropo Buck Battin, Duluth MN



WCES-20 Wrens, GA
330 mile tropo John Combs, Orlando FL



KBTX- 3 Bryan, TX
E-skip Paul Traska, Buffalo NY

Southern F.M.DX

Danny Buntin, editor
1020 S. Duncan
Stillwater, OK 74074

DEADLINE: the 9th

800 MILE OCTOBER TROP REPORTED

Neil Dickerson, 426 State St., Sharptown, MD 21861 10/7 to 11/3, 1978

Equipment: Panasonic Technics SA 5570 rx, two Channelmaster Stereo Probe antennas stacked at 50 ft. (all tr) (new underlined)

10/7

1930 WQLN 91.3 PA Erie
1945 WQED 89.3 PA Pittsburgh
2000 WDUQ 90.5 PA Pittsburgh
2007 WEDR 90.3 OH Cedarville
2030 WTVN 87.5 OH Columbus
2035 WXTG 92.5 OH Columbus
2045 WBGU 88.1 OH Bowling Green
2100 CJRC 91.1 ON Toronto
" WQTE 91.3 OH Toledo
2130 WUOM 91.7 MI Ann Arbor
2200 WLFM 91.1 WI Appleton
(My farthest tropo catch so far
800 miles!!!)

2200 WMBI 90.1 IL Chicago
(tentative, gave Chicago wx, ID wiped
out by WGTB—damn!)

2230 WELY? 102.9 OH Springfield
(Fighting it out with WJSE. Giving Ohio wx
Soon covered up by a "Y-103" No doubt WYFM
Couldn't ID either one.)

2245 WVPE 88.1 IN Elkhart
2300 WJJC 89.1 IL Mt. Carmel
2300 WBCI 90.3 IN Ft. Wayne
2330 WDCX 99.5 NY Buffalo
0000 WGRQ 96.9 NY Buffalo

10/19

2200 KBFL 90.3 MO Buffalo
2215 KSTN 92.5 MO Joplin

10/19

2230 KKNG 92.5 OK Oklahoma City, "King Stereo"
2238 WJNS 92.1 MS Yazoo City
2245 KBEZ 92.9 OK Tulsa, "FM 93"
2300 KOSU 91.7 OK Stillwater

10/30

2000 WPLZ 99.3 VA Petersburg, EL

10/31

1800 WMPR 88.1 SC Sumpter
1817 WRQO 95.1 NC Charlotte, rk
1830 WLTP 91.3 SC Columbia
1900 WANS 107.3 SC Anderson, rk
1916 WIOZ 107.1 NC Southern Pines, "W-107"
1930 WBT 107.9 NC Charlotte
2000 WEPB 90.1 SC Greenville
2030 WDCG 105.1 NC Durham

11/3

1900 WPRO 92.3 RI Providence
1915 WLKX 101.5 RI Providence
1930 WTFM 103.5 NY Lake Success
2000 WJJB 105.1 RI Providence, "JB-105"
2030 WEEI 103.3 MA Boston
2045 WBEZ 106.7 MA Boston
2100 WOKQ 97.5 NH Dover, "OK Country"
(This logs as my 40th state!)

2130 WMEA 90.1 ME Portland
2200 WBCN 104.1 MA Boston

Rick Samford, 404 S. McNeill, Burnet, TX 78611 11/3 to 12/4, 1978 - CST

Equipment: Kenwood KR-5400, 10 el. Archer FM at 24 ft. w/rotor. All tr but KVAR (gv).

Tropo failed to get out of low gear during Nov., as one would suspect, but a couple of openings on Dec. 1 & 2 were respectable enough to get me the two new ones and the elusive KSEL. The new KQID, Alexandria probably came on in the early part of this fall, since I've been getting a weak signal on that frequency (not KTYL) for over a month. Both KTYL & KQID have live DJs, but KQID has rk while KTYL leans more toward AOR. I imagine there will be further confusion during the skip season as two rk stations (KQID & KQIZ—Amarillo) occupy the same frequency.

Thanks to Bruce Elving's column I learned the new CL of San Diego's 94.9 which I reported last month as using a "K-Bess-95-FM" slogan. The new CL is KBZT which means the slogan should've been "K-Best-95-FM," as I had originally logged it before I played back the tape.

I'd like to thank Frank Aden for his great job as VUD editor and I would like to wish Bill Thompson the best of luck as he begins his term as editor-in-chief. I also hope all of us have better DX in '79 than '78 has produced thus far. Until Next Month, Rick.

11/3

0831 KHJD 98.9 NL Monterrey 365
2059 KVAR 104.5 TX San Antonio 90
(now Spanish; ex-WITE)

11/4

0739 KRFX 99.5 TX Brownsville, ad 340

11/5

0007 KAJN 102.9 LA Crowley 365
(o/KQUE full ID w/ "The Christian C. jun")

11/9

2229 WAFB 98.1 LA Baton Rouge, ID 385
2232 WFMP 102.5 LA Baton Rouge, promo

SOUTHERN FM DX

-Samford, cont.-

JANUARY, 1979

11/9

2241 KDYD 99.9 LA Lafayette, promp 435
 2305 KLCL 99.5 LA Lake Charles, wx, ID
 2312 KSLI 96.9 LA Alexandria, "FM 97" 355

11/10

0000 KNOE 101.9 LA Montoe, ID 385
 0018 KRMD 101.1 LA Shreveport, ID 290
 0750 KNTU 88.5 TX Denton, ID 180
 2044 KRIX 99.5 TX Brownsville, ad 340
 (strong tr to Monterrey later in evening)

11/12

2201 KGRA 103.7 LA Lake Charles, ID 310
 2255 KNOE 101.9 LA Monroe, ad 385
 2258 WJMI 99.7 MS Jackson, ID 500

11/12

2235 KYKR 93.3 TX Port Arthur 260
 (first time g/KIAS since power uppage,
 "Kicker")

11/13

2316 KDYV 100.3 TX Brownsville, "The Dove"
 (By some strange coincidence semi-local
 KZZY 100.3 often IDs as "The Buzzard" in
 addition to the more common "Z-100".

11/17

2247 WAFB 98.1 LA Baton Rouge, ID 435
 2312 WXEL 105.3 LA Slikell 520

EDITOR'S NOTE: Much of Rick's report
 was edited because of its similiarity
 from past months.

11/18

1026 WML 101.9 LA New Orleans, ID 500
 (EZ WML & KQXT use "FM-102 w/ID while rk
 KNOE uses same as nonID)

1100 WXEL 105.3 LA Slidell, ID 520
 1103 WEZB 97.1 LA New Orleans, ID 500
 1105 WCKW 92.3 LA Laplace 480
 "River Parish Radio News"

12/1

2110 WRNC 99.5 LA New Orleans, ad 500
 2122 WRPM 107.9 MS Poplarville, ad 530
 2135 WCKW 92.3 LA Laplace, ad 480
 2147 KQID 93.1 LA Alexandria 355
 (new, \$, rk, "93-QID")
 2214 WLIN 95.5 MS Jackson, ID 500
 2230 WEZB 97.1 LA New Orleans, ID 500
 2237 KNOE 101.9 LA Monroe, ad 385
 2243 KXKZ 107.5 LA Ruston, ID 360
 2340 WYMI 101.5 LA Baton Rouge, ID 425
 2358 WTGI 103.3 LA Hammond, ID 475

12/2

0040 KRMD 101.1 LA Shreveport, ID 290
 0722 KYKK 94.1 NM Humble City, wx 325
 0726 KSEL 93.7 TX Lubbock, ID, rk 290
 (First time in 15 mos. & first ever o/KLBJ)
 0741 KOYL 97.9 TX Odessa, "Country Coil" 255
 0759 KATX 97.3 TX Plainview, ID, cw, 310
 ("K-Tex")
 0847 KOEM 104.1 OK Oklahoma City, ID 325

Randall B. Clark, RT5 Dutch Ridge, Parkersburg, WV 26101

Equipment: A Radio Shack "Patrolman 6" w/30 inch whip at 45 ft. AGL, contending 2/ 50 kw
 WXIL one mile away!

11/1

0727 WKBN 98.9 in super solid, several relogs of fairly good dx.
 1900-2035 WQAW's leaving only a carrier w/video buzz, their on a tower used by WTAP-TV
 CH 15, Leaves the air at 2035-1115!!! I attempted to call QAW at the time but they would
 not answer their phones!

Hello everyone! By the time I'm reading this we'll all be in the mist of heavy
 snow! (Hopefully not) I must apologize if anyone was offended by reading my comments
 on them non-IDers, but you must realize that these non-IDers are a hinderance to the
 hobby! (Taking a phrase used recently "They are proliferating with a vengeance!")
 (They're the biggest damnation to me during E-skip openings, DB)

I do hope that most of the east coast members caught the TV audio from Ireland,
 England, France during Oct.-Nov, 78. I'd like to say special thanks to Ken Simon for
 that TF 1 BBC 1 schedule that he recently sent. Yes a few items do match with what I
 heard on Nov. 5th! (That tennis match, etc.) By the way I'm still interested in hearing
 from people who have any info at all on remote pickups...help!

Hank Holbrook, 7211 Chestnut St., Chevy Chase, MD 20015 - 8/8 to 11/5, 1978

FM DXing from cottage at Fair Haven Cliffs, MD overlooking the Herring and
 Chesapeake Bays, 15 mi. below Annapolis, Maryland. Following logged and reported since
 July report. (Underlined have QSLed)

		mi		(EDT)	
107.1	<u>WTTX</u>	Appomattox, MD	160	tr	8/8 0658-0740 cw mx & plenty of commercials. their first FM DX report.
88.5	<u>KLJC</u>	Kansas City, MO	975	MS	8/12 1007-1105 Rough copy, poor report. 4H ann.
99.9	<u>WCHI</u>	Ocean City, MD	85	tr	8/13 0807-0845 New local on bay "100 KHI"
99.1	<u>WBLQ</u>	Roanoke, VA	215	tr	8/16 0436-0510 rk and wx, ex WBL
101.3	<u>WUDE</u>	Hampton, VA	125	tr	8/26 2351-0028 MOR "2WD" IDs, ABSL nx & FSA
88.3	<u>WEOJ</u>	Elkton, MD	70	tr	11/5 1528-1630 new local with REL programming

This ended the poorest DX FM season on record here since I started tuning FM in 1959.
 Highlight of the season was the reception and QSL from WXYC, Chapel Hill, NC. My report
 made their day as their furthest reception had been but 50 miles. Power (ERP) on 89.3
 is only 400w plus the fact that reception to the south of the trop variety is very rare
 as the N and NE dominates at our bay location. 73, Hank

Vernon Eaton, 82 Springhill Acres Rt 1, Benton, AR 72015 - Oct. 19 to Nov. 20, 1978

Equipment: Sony 5130 tuner 2/CD-44 rotor, hor.stacked @55'

underlined-new loggings. 347 stations logged on 98 frequencies.

Things haven't been too hot around here since the middle of September until about Nov. 1st, the noise on the FM band started clearing up. I assume the solar storms are slowing down.

I have read about the fantastic Gulf tropo that's present around the Gulf states frequently and sometimes lasting for weeks. Until 11-20-78 I have not been able to catch it to any extent.

I am a part time professional musician and many times I will check my radio when I get in about 0200 and if nothing exciting is happening I go to bed. 11-20-78 I came in and got my first taste of Gulf tropo. The tuner was hot from Houston to Panama City in beautiful stereo. I got me 29 new loggings all from 400 to 650 miles and didn't get to bed until 0430. Within 10 hours it was gone.

10/15-78

1800	KTEB	93.3 OK Ada, ID, \$	230
1950	WCPC	93.3 MS Houston	205
1955	KYKR	93.3 TX Port Arthur, \$	340
1958	WKYQ	93.3 KY Paducah	300
2007	<u>KKKT</u>	90.5 TX Greenville	240
2124	WKXI	94.7 MS Jackson	220
2150	KSGS	96.3 TX Ft. Worth, ID, \$	285
2153	WJFR	96.3 TX Jackson, \$	220

10/25

1925	KSCS	96.3 TX Ft. Worth, \$	285
1930	KZEW	97.9 TX Dallas, \$	265
1952	KFJZ	97.1 TX Ft. Worth, ID, \$	285
2006	KNOK	107.5 TX Ft. Worth	
2237	KYKR	93.3 TX Port Arthur	340

10/26

0700	<u>KASO</u>	95.3 LA Minden, ID	140
173C	<u>KDDI</u>	96.7 LA Oak Grove, ID, \$	130
1837	<u>KSLI</u>	96.9 LA Alexandria, \$	230
2203	WKLT	107.3 AL Florence, \$	245

10/30

1845	KYER	88.9 TX Commerce, ID	220
1903	KVGS	89.5 OK Tulsa	220
1910	KEPA	90.1 TX Dallas, \$	275
1937	KOSU	91.7 OK Stillwater	270
1939	KS+M	91.7 TN Memphis, ID, 165w 145	
1950	KBEB	92.9 OE Tulsa, ID, \$	220
2003	KTYL	93.1 TX Tyler	210
2010	KYKR	93.3 TX Port Arthur, ID	340
2158	WQNZ	95.1 MS Natchez, ID, \$	225

10/31

1700	<u>WBG</u>	95.3 TN Brownsville	200
------	------------	---------------------	-----

11/8

2043	KRMR	88.5 MO Rolla	240
2052	KEPR	88.9 TX Commerce	220
2130	KERA	90.1 TX Dallas, \$	275
2135	KOBC	90.7 MO Joplin	210

11/9

2007	KYKR	93.3 TX Port Arthur, ID	340
2017	WCPC	93.3 MS Houston, ID	220

11/14

1508	KERA	90.1 TX Dallas, \$	275
1658	WK+S	91.3 KY Murray, \$	375
1700	<u>KVTT</u>	91.7 TX Dallas	275

11/14

1703	KOSU	91.7 OK Stillwater	270
1713	WKRJ	92.3 TN Milan, ED	240
1735	KYKR	93.3 TX Port Arthur, ID	340
1740	WKYQ	93.3 KY Paducah	300
1905	WDAL	101.3 MS Meridian, \$	260

11/15

1840	KEDR	101.7 OK Tahlequah, ID	160
------	------	------------------------	-----

11/19

0318	KODA	99.1 TX Houston, ID	365
0340	WRNO	99.5 LA New Orleans, ID	405
0341	<u>WQUE</u>	93.3 LA New Orleans, ID	

11/20

0240	WENN	107.1 AL Birmingham, ID	350
0243	KWIC	107.7 TX Beaumont, \$	325
0245	WQIT	107.3 AL Florence, " "	245
0246	<u>WKST</u>	94.9 AL Mobile, ED	490
0247	WIPR	96.1 AL " "	" "
0247	<u>WABE</u>	97.5 AL " "	" "
0301	<u>WPMO</u>	99.1 MS Pascagoula, ID	440
0303	<u>WGDH</u>	106.3 MS " "	" "
0310	<u>WTLQ</u>	100.7 FL Pensacola, ID	470
0312	<u>WBOB</u>	101.5 FL " "	" "
0314	<u>WABT</u>	107.3 FL " "	" "
0330	WJMI	99.7 MS Jackson	220
0331	<u>WKTS</u>	96.1 GA Atlanta	510
0334	WQUE	93.3 LA New Orleans	405
0338	WRNO	99.5 LA " "	" "
0340	<u>WBBB</u>	97.1 LA " "	" "
0342	<u>WNOE</u>	101.1 LA " "	" "
0344	<u>WML</u>	101.9 LA " "	" "
0365	WTGI	103.3 LA Hammond	350
0356	<u>WFMI</u>	98.9 AL Montgomery	450
0357	<u>WHYY</u>	101.9 AL Montgomery	
0402	<u>WPFM</u>	107.9 FL Panama City, ID	570
0410	<u>WFSU</u>	91.5 FL Tallahassee	615
0414	<u>WLYN</u>	94.9 FL " "	" "
0415	<u>WGLF</u>	104.1 FL " "	" "
0420	<u>WXHL</u>	105.3 LA Slidell, ID	370
1100	WEEF	94.3 TN Germantown	150
1120	WJFR	96.3 MS Jackson	220
1126	KSCS	96.3 TX Ft. Worth	285
1128	KEPT	96.5 LA Shreveport	200
1130	WRSA	96.9 AL Decatur	310
1132	<u>KNID</u>	96.9 OK Enid	275
1140	KQID	93.1 LA Alexandria, ID	260
1156	KTYL	93.1 TX Tyler	215

(Some of Vernon's loggings under 250 miles were edited out since I felt they were very significant, considering they were B/C freq. DE)
 (I hope everyone has a Happy New Year and that DXing in 1978 turns out a lot better than in 1978. DE)

+++++

EASTERN TV-DX

Bill Thompson
1907 Seneca Street
Buffalo, NY 14210

January 1979

Deadline: 5th

Some good tropo openings developed in various areas in November, but no real surprises have been noted. Midwestern and Northeastern areas had some long periods of cold weather during November, but the more southerly regions had generally better weather—and a few good openings out to over 500 miles on UHF.

Some of the more interesting catches have been reported by Michael Hollis in southwestern Kentucky, who logged UHF from Texas at almost 700 miles on the morning of the 19th, and also saw some good catches from Louisiana (as far south as New Orleans), Alabama, and Mississippi at distances up to 500 miles on the evening of the 18th.

Good Atlantic coastal tropo conditions in the 500-mile range also took place during November. Connecticut DXer Rich Turcsany reports several Virginia and North Carolina UHF and VHF loggings during the 3rd through 6th period. Baltimore DXer Tom Yingling caught UHF from New England during that session. Also, on the 11th and 12th, central Florida DXer John Combs caught some interesting loggings from the Carolinas at distances of over 500 miles.

Many very good opportunities for transatlantic TV DX—or at least TV audio DX—have taken place in the past two months. British TV audio on 41.5 MHz, as well as French TV audio on 41.25, has been easily heard on an almost daily basis throughout most of eastern North America. On some occasions the transatlantic F2 MUF has risen to 50 MHz or above, and British video "sync buzz" has been evident strongly on 45 MHz, so transatlantic video DX has already been possible for those equipped for it.

The best time to check for signs of European TV audio on 41.25 and 41.5 is the mid-morning (local time) period. Your editor's experience with it has been that it is first audible around 0900 (on a good day), peaking in the 1030-1130 period. The BBC1 outlet in Northern Ireland seems to dominate 41.5 from this QTH, and can be identified easily from their "local" Northern Ireland newscast often noted around 1055 EST. Almost on every occasion, this editor has noted French audio on 41.25 at the same time, with the French signals peaking a bit earlier in the morning than the British.

EDITOR'S NOTE: Since your editor has assumed the duties of the VUD editor, a new EASTERN TV-DX editor is needed immediately. If you can type and are interested in helping WFFDA, please contact your editor at the address at the top of this page. This is your chance to help your club by preparing a monthly column for the VHF-UHF DIGEST as a DX column editor.

Tom Yingling, Jr. 221 Pinewood Road Baltimore, Maryland 21222

October		3 Tr 0008		WXNE-25 MA		5 Tr 2000		WICZ-40 NY	
30 Tr	1730	WSBK-38 MA		WLVI-56 MA			2330	W57AB-57 NY	
	1745	WMGC-34 NY		WNJU-47 NJ				(WNBC-4 xltr)	
		Binghamton		WCDC-19 MA				W64AA-64 NY	
		WCDC-19 MA	4	WNYC-31 NY	1700			(WNEW-5 xltr)	
		WXNE-25 MA		WNYE-25 NY				W62AA-62 NY	
		WENT-36 NY		WHYN-40 MA				(WNJU-47 xltr)	
	to	WEDW-49 CT		to	WSBK-38 MA			W60AI-60 NY	
		WEDE-24 CT			WGBY-57 MA			(WTVG-68 xltr)	
		WVPT-51 VA			WCDC-19 MA			W53AA-53 NY	
		WGBY-57 MA			WLVI-56 MA	1800		(WCBS-2 xltr)	
	1800	WVIT-30 CT			WATR-20 CT	1800		W66AA-66 NY	
31	1700	WUNK-25 NC			WTVG-68 NJ			(WABC-7 xltr)	
	1730	WJPM-33 SC? T			WPMZ-69 PA			W71AK-71 NY	
		WVTA-41 VT? T			WSMW-27 MA	1900		(WOR-9 xltr)	
	2100	WMEG-26 ME			over WIPA-27			W73AP-73 NY	
		"CCI WETA"			1930	W51AC-51 PA		(WPTX-11 xltr)	
		WETK-33 VT? T				(WITF-33 xltr)		all above in	
	2330	WVER-28 VT? T	5		2000	WLIW-21 NY		New York City	
						WENY-36 NY		unID-59 xltr?	
						W51AC-51		2400	WNBT-13 NJ
November		1 Tr 0100		WPTF-28 NC					

George Viera 51 E. 97th Street Apt. 5-F New York, New York 10029

"Hi—I'm a new member of WFFDA...I started my TV-DX hobby about 1972-73 with a friend in the Bronx. We did radio DXing, then moved to television...WNJU-47 is received with so-so reception on my small Sony TV-530 (B/W); I receive a perfect picture of WNJU on channel 62 (W62AA from Harlem-West Bronx-New York City) ...I've seen that WATR-20 Waterbury CT might be planning to open up a new channel up near Waterbury. The channel is 61, but call letters are unknown."

Randall B. Clark Route 5 Dutch Ridge Parkersburg, West Virginia 26101

July

21 Es 2344-2400 CKCK-2 SK "See my unID listing in Sept. '78 CCI column"

22 1952-2029 WKAQ-2 PR "WKAQ-2 has been QSLed. 2108--seeing Cuban CCI"

August

20-24 "I did note that super duct but was busy knocking off the FMers!! Fantastic duct!!!"

November

12 Es 1240-1255 unID-2 "Noted an 'off season' Es opening as I'm seeing Cuban CCI. I presume that the solar storm induced this."

"Well, that's just about all of the TV DX that I've noted so far this year. Where has all the skip gone to on FM? I sure do hope that Mother Nature 'turns' it on next year. The big DX news is the 'constant' continuous reception of British TV audio! I have now received Divis, NORTHERN IRELAND and TF1 (Television Francaise) FRANCE on 41.50 MHz and 41.25 MHz respectively, and recent Crystal Palace (ENGLAND) tentative. These TV audio signals were first heard on October 17th with the reception of BBC1/Northern Ireland; I was listening to their newscast and taping this while it came in 'local' quality!!! 73 for now & as well a Happy New Year!"

Wayne M. Thompson Route 2, Box 156 Silver Springs, Florida 32688 (EST)

November

4 Tr	0759	WCKT-7 FL	270	6 Tr	0544	WMAZ-13 GA	280	11 Tr	1135	WALB-10 GA	215
	0800	WPLG-10 FL	270		0550	WCWB-41 GA	280		2130	WCKT-7 FL	270
	1045	WHPF-45 FL	270	7	1700	WALB-10 GA	215		2200	WFTU-26 FL	210
	0830	WCKT-7 FL	270	11	1000	WMBB-13 FL	225	18	1230	WALB-10 GA	215
					1100	WLOX-13 MS	420	22	1630	WJHG-7 FL	225
									1730	WMBB-13 FL	225

Equipment: Zenith HO-92X 9" portable, home-brew antennas.

John F. Combs 2485 Ivan Court Orlando, Florida 32807

October

14 MS	0454	WKYC-3 OH?	T	29 MS	0625-0715	"Many unIDs on 5 & 6 (local WDBO on 1hr, 15 min. late!)"	11 Tr	2002	WATU-26 SC	337		
	0457	KYW-3 PA	868					2051	WCBS-20 GA	329		
18 Es	2350	"t/in--tail end of opening"			0652	WFW5-5 OH?	T	2040	WJPM-33 SC	408		
		CHFD-4 ON	1440		0709	KSD-5 MO	864	2100	WCLE-18 GA?	T		
								2104+	Atlanta U's			
21	2158+	unIDs 2, 4		November (EST)				2107	WAIM-40 SC	419		
23 Tr	2322	WLAX-19 SC	392	5 Tr	2250	Columbia U's		WYEA-38 GA	341			
		WLOL-25 SC	380					WJSP-28 GA	357			
		WATU-26 SC	337	6	0640	WMAZ-13 GA	318	2108	WXIA-11 GA?	T		
		WRLK-35 SC	385					2132	WGTV-8 GA?	T		
24	2332	WDEH-18 AL	301		0715	WYEA-38 GA	341	0747	WPTF-28 NC	523		
		WJSP-28 GA	357		0745	WJSP-28 GA	357	0753	WFTV-11 NC	521		
		WYEA-38 AL	341	10	0648	WCWB-41 GA	318	0754	WFTN-7 NC	526		
		WGIQ-43 AL	329						WCTI-12 NC	508		
25	0705	WDEH-18 AL	301	11 MS	0533+	KYW-3 PA	868	0900	Charleston V's			
		WJSP-28 GA	357		0547+	WKYC-3 OH	887	0904	WJPM-33 SC	408		
		WYEA-38 GA	341	Tr	0604	WCBD-2 SC?	T	0906	WBPW-13 SC	408		
		WGIQ-43 AL	329		0612	WREL-3 GA?	T	1655	Charleston V's			
26	2340	WATU-26 SC	337		1810	WRBT-36 NC	465	14 MS	0546	KYW-3 PA	868	
27	0017	WRLK-35 SC	385			WNTV-29 SC	447	15	0510	KYW-3 PA	868	
28 Es	0757	KWAB-4 TX	1221			WSPA-7 SC?	T		0518	WKZO-3 MI?	T	
		KMLD-2 TX	1267			WRDU-28 NC	523		0520	WKYC-3 OH	887	
	0806	KFDX-3 TX	1078		1820	WNSC-30 SC	433		0528	WTAR-3 VA	638	
	0815	KTVY-4 OK	1059		1821	WGG5-16 SC		17	0504	KMOX-4 MO	861	
	0845	KARK-4 AR	785			Greenville			0513	WRC-4 DC	760	
	1929	unIDs 2-4				WCBE-18 NC	465		0517	KYW-3 PA	868	
	2146	KTVY-4 OK	1059			WLAX-19 SC	392		0521	WKYC-3 OH	887	
	2153	KARK-4 AR	785		1823	WUNL-26 NC	544		0532	WCHE-4 OH?	T	
	2156	KOET-3 OK	948		1826	WLOS-13 NC	481	25 Tr	0650	WDEH-18 AL	301	
		KYPV-3 MO?	T		1830	WRLK-35 SC	385		0656	WJHG-7 FL	274	
		2200	KTBS-3 LA?	T		WUNB-17 NC	521		0700	WYEA-38 GA	341	
		2203	WCBI-4 MS?	T		1834	WCWB-41 GA	318		WTCG-17 GA?	T	
			KTEW-2 OK?	T		1841	WUNV-33 NC?	T		WANX-46 GA?	T	
						1906	WTVI-42 NC	462		0735	WFSU-11 FL	230
										0800	Miami U's	

"Highlights this month include some good MS & station # 300 had tentative on little WUNP-33--would be a nice catch, but info too sketchy to confirm! Had a nice visit from Steve West on the 25th--all I could show him was some decent signals from Miami, including a solid W33AA (191 miles). Nice, but where are the 1000-mile ducts when I have visitors?"

EASTERN TV-DX

January 1979

Ken Simon 528 Pilgrim Road West Palm Beach, Florida 33405 (EDT/EST)
 August
 26 Tr 0735 WJKS-17 FL 8 Tr 1900 WJKS-17 FL 27 Tr 0604 WEBA-14 SC
 WCJB-20 FL 2150 WCJB-20 FL WJWJ-16 SC
 WJCL-22 GA WJCL-22 GA 0630 WLCY-10 FL
 "CCI 2, 4, 26" 0639 WJKS-17 FL
 W69AA-69 FL 2345 unID-14 WEBA? 28 Es 1858 unID-2
 1406 WJWJ-16 SC WDCO-15 GA 2000 CKVR-3 ON
 WJCL-22 GA 9 0635 WLCY-10 FL WPSX-3 PA
 1805 "CCI o/W33AA" 10 0730 WJKS-17 FL
 W69AA-69 FL
 27 0655 WJKS-17 FL November
 WJCL-22 GA 4 Tr 0730 WEBA-14 SC
 1030 WJWJ-16 SC 6 Tr 1623 WJCL-22 GA
 WRKJ-35 SC 21 Es 2140 unID 2-4 CCI
 30 Es 1955 unID 2-4 CCI 2200 WSYR-3 NY
 2020 unIDs 2,3 SS 23 Tr 1300 WJCL-22 GA F2 1106 WEBA-27 FL
 1 Tr 1800 WJCL-22 GA 26 1935 WJCL-22 GA audio
 3 0700 WJKS-17 FL 2027 WEBA-14 SC BBC1 B-1 U.K.
 0735 WCJB-20 FL 2300 WCJB-20 FL audio (Divis
 WJKS-17 FL or Crystal Palace)
 "Things have been slow! Summer Es were either zip or full-dial (unreadable)
 type." Equipment includes Lafayette HA 520 receiver for European TV audio.

Rich Turcsany 7 Cayer Circle Shelton, Connecticut 06484 (EDT/EST)
 October
 18 Es 2148 unID-2 PBS? 30 Tr 2227 WVTA-41 VT 130 3 Tr 2124 Springfield U's
 2150 WSB-2 GA 720 2250 WHP-21 PA 180 2156 WCVB-23 VA 320
 2200 WEAR-3 FL 940 2300 WVPT-51 VA WEPA-26 DC 230
 MUF to 94 MHz Staunton 370 2255 WTVT-53 VA
 2203 WESH-2 FL 860 2310 WWPB-31 MD Annandale 250
 2230 WBRG-6 AL 2315 WMPB-67 MD 210 2300 WAPB-22 MD 220
 Birmingham 820 2329 WPTF-28 NC 2315 WMPB-67 VA 250
 2300 WMAB-2 MS 1040 Durham 450 2315 WMFP-67 MD 210
 2330 WLBT-3 MS 1000 "farthest UHF" 2341 WRMZ-69 PA 120
 unID-6 WABG? 31 0645 Scranton U's 4 2357 WBBF-45 MD 210
 21 Tr 1100 Boston U's 0700 WWPB-31 MD 240 0000 WMHT-17 NY 100
 22 1030 Annapolis U's 2100 NYC U's, xltrs 0016 WLYH-15 PA 170
 Washington U's
 Philly V's
 30 2136 Scranton U's November
 Philly U's 3 Tr 1744 WYAH-27 VA 320
 2140 unID-40 WICZ? 1803 WCPB-28 MD 220
 2142 WSKG-46 NY 180 WPHL-17 PA 140 1119 Baltimore U's
 "first logging 1814 WTOP-16 MD 220 1125 Baltimore V's
 in 3 years" 1815 WERO-15 VA 300 1130 WTVT-53 VA 250
 2152 WMHT-17 NY 100 WYJS-23 NJ 140 1852 WJZ-13 MD 210
 2154 WTPA-27 PA 180 2000 Norfolk U's 1858 WRGB-6 NY 100
 2158 WSBA-43 PA 180 Salisbury U's 2230 WKPK-66 VA 250
 Allentown U's Philly U's 2250 WFMZ-69 PA 120
 2201 WLYH-15 PA 170 2010 WVEC-13 VA 300 5 0000 WCVB-23 VA 320
 2203 WENY-36 NY 2030 WITN-7 NC 6 2300 Boston U's
 Elmira 200 Washington 420 Boston U's
 2210 WSYR-18 NY "faintly over WABC" Philly V's
 Elmira 200 2124 Norfolk V's Providence V's

"Last Es sighted on 10/18 with not much luck on TV, but two new loggings for FM. Tropo was another story. On 10/30, an opening extending through the mid-Atlantic brought tropo as far as 500 miles! It also added five stations to my log, including the five million watt WPTF-28 Durham. Also, 11/3 was good with tropo from Virginia...log now at 92 VHF, 64 UHF, 14 xltrs, 29 states."

Albert H. Ellis 19 McClure Avenue Brentford, Ontario N3R 4L7

"As you undoubtedly know I am not a REAL TV DXer. Yet I do once in a while listen at and near their frequencies. My main interests are between 10 kHz and fifty MegaHertz."

October

23 F2 ---- BBC1 B-1 Crystal Palace (Greater London area) ENGLAND
 "Channel 'ONE' B.B.C."

Steven P. Sprachman 715 Molson Hall 3915 University Montreal, Quebec H3A 2B6
I'm studying for one semester at McGill University. I do get a little time to
... but Montreal is not the greatest place for DXing. The locals (CBFT-2,
CBMT-6, CFTM-10, CFCF-12, and CIVI-17) have their transmitters less than 1/2 mile
away. They can be seen from my window. This causes some problems for local
reception, but it does little to the adjacent channels...CBOT-4 Ottawa and
RCM-4 Quebec City fight it out sometimes. I get CKMT-5 Quebec City when both
MTZ-5 and CBMT-6 are off; CHLT-7 Sherbrooke; CHEM-8 Trois Rivieres (CJOH8-8
Ornwall most frequent), WLEW-8 rare; CKSH-9 Sherbrooke (no sign of CBOT-9
Ottawa); CKMT-13 Trois Rivieres frequent, CJOH-13 Ottawa rare. CBMT-28 Trois
Rivieres (new rebroadcaster of CBMT) puts in a good signal here. Also on UHF:
WFAA-20 St Johnsbury VT (rare), WBEZ-22 Burlington VT (best U.S.), WETK-33 Bur-
lington, WCFB-57 Plattsburgh NY, W61AE Enosburg VT (rare). Well, that's it for
now...Hopefully DXing will be good for everyone."

Michael P. Hollis 7401A Gardner Hills Fort Campbell, Kentucky 42223 (CMT/CST)

Table with columns for date, time, call sign, and frequency. Includes entries for August, September, and November. Example: 1 MS 0520 WJAR-2 MD 600, 22 Tr 0415 WHIS-6 WV 350, 7 Tr 0451 WILX-10 MI 415.

"After first year of TV DXing log now at 243 (11 Bs, 5 MS, Tropo 37 low band
VHF, 84 high band VHF, UHF 107), pictures 200, QSLs 144 sent, 107 received."

IN SEARCH OF **SEARCH** OF **PSB**

Donald L. Alvins
 1715 Earhart Road
 Baltimore, MD 21221

301-574-2741

IN SEARCH OF INFORMATION.... This month's feature will deal exclusively with the subject of information to help in the task of making sense of recent skip reception of the Los Angeles County Sheriff's Office. I would like to spend this feature talking about the F-2 probagation, but I feel that I am not thoroughly breifed considering the wide field such a subject would cover.

I will instead devote my effort in providing you with the most important information necessary to your DX.....The frequency lists.

Los Angeles County Sheriff's Department Channel and Frequency Assignment

<u>Name</u>	<u>Use</u>	<u>Recieve</u>	<u>Transmit</u>
C	Car to Car	39.48	39.48
H	Car to Car	39.60	39.60
E	East Division	39.72	39.72
W	West Division	39.32	39.32
D	Detective	39.24	39.24
M	Mobile Command Posts	39.52	39.52
F-1	Field to Car	39.40	39.40
F-2	Field to Field	39.26	39.26
A	Administrative	39.36	39.36
J	Custody Division	39.38	39.38
11	San Dimas, Industry	39.94	39.46
12	Lakewood	39.64	39.22
13	Norwalk, Pico Rivera	39.88	39.42
14	East Los Angeles	39.76	39.30
15	Cresenta Valley		
	Altadena, Temple	39.82	39.34
21	Carson, Lomita	39.20	39.66
22	Firestone, Lynwood	39.44	39.78
23	Lennox, West Hollywood	39.14	39.84
24	Malibu, Calabasas	39.02	39.74
25	Santa Clarita Valley		
	Antelope Valley	39.08	39.86
26	Avalon	39.68	39.68
27	Antelope Valley Exp #1	39.28	39.70



28 Antelope Valley #2 39.16 39.92
 Channels: 11 Simplex Frequencies: 35
 12 Duplex
 23 Total

This information was made available through the generosity of Tom Yingling, Jr. and the Los Angeles County Sheriff's Office.

MARYLAND STATE POLICE

Barrack	Location	Frequency	County Served
HQ	Pikesville	39.10	-----
-----	BWI Airport	39.14	Airport
A	Waterloo	39.32	Howard
B	Fredrick	39.26	Fredrick
C	Cumberland	39.10	Allegany, Garrett
D	Bel Air	39.34	Harford
E	Salisbury	39.24/39.10	Wicomico, Somerset, Dorchester
F	Northeast	39.34	Cecil
G	Westminster	39.32	Carroll
H	Waldorf	39.30	Charles, St. Marys
I	Easton	39.24	Talbot, Caroline
J	Annapolis	39.14	Anne Arundel(Southern)
K	Randallstown	39.38	Baltimore(Western)
L	Forestville	39.30	Prince Georges(Southern)
M	Perryville	151.04	Kennedy Highway
N	Rockville	39.32	Montgomery
O	Hagerstown	39.26	Washington
P	Glen Burnie	39.14	Anne Arundel(Northern)
Q	Greenbelt	39.30	Prince Georges(Northern)
R	Lutherville(Valley)	39.38	Baltimore(Eastern)
S	Centreville	39.24	Queen Annes, Kent
T	Berlin	39.24/39.10	Worcester
U	Prince Fredrick	39.14	Calvert
--	Leonardtwn Post	39.30	St. Marys

Micheal Scheel
 3403 Jersey Ridge Road #224
 Davenport, Iowa
 57807

IOWA PSB INFO!

reports:

City of Davenport, Iowa:

155.37	Quad City Network	KTA 976	
460.125	Citywide Police	KTA 976	Iowa State roads
460.15	Citywide Police	KTA 976	159.18 F-1
460.575	Fire	KAH 280	159.195 F-2
453.80	Department of Public Works		

Business:

463.825	Per Mar Security	KTW 257
461.175	Quad City Cablevision	
451.40	Northwestern Bell	
173.35	Iowa-Illinois Gas & Electric	
170.15	WOC News	
161.67	WOC News	
155.34	St. Lukes Hospital	KTS 534
155.34	Mercy Hospital	KRM 921
155.34	Davenport Osteopathic	KWM 832
155.22	M & M Ambulances	KXZ 338
152.06	Answer Iowa(RCC #3)	
161.90	Stanley(Marine #26)	
162.6625	St. Lukes Hospital Paging	KXM 408



 Craig Kenneth Williard KPA3AX
 G-33 Montgomery Court reports:
 Narbeth, PA 19072

Delaware County Police: 39.50--39.74--39.78--39.82--39.90--39.06

Delaware County Fire: 46.20--46.22--46.24--46.36--46.38--46.40--46.42
 46.48--46.16--46.18

 Thomas J. Yingling, Jr.
 221 Pinewood Road
 Baltimore, MD 21221

reports:

US Weather Service Station WXL 40 162.55 Harrisburg, Pa
 New and DX ready.....



 Baltimore Area Taxi Radio

152.27	Royal Cab	Baltimore	152.33	Blue & Grey	Parkville
	Valley Cab	Pikesville	152.36	Yellow Cab	Baltimore
	Arbutus Cab	Arbutus	152.39	Checker Cab	Baltimore
152.30	Emerald Cab	Dundalk	152.39	New Eastern	Essex
	County Cab	Catonsville	152.42	Diamond Cab	Baltimore
	GI Veterans Cab	Baltimore	152.45	Diamond Cab	Baltimore
152.33	North Point Cab	Dundalk	152.45	Overlea Cab	Overlea



VHF UTILITY DX

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

JANUARY 1979

Neil Dickerson, 426 State Street, Sharptown, MD 21861 PRO-1, new under.

10-22:	10-24:		
1700 KOB304 39.82 Pullman,WA-p	1247 KTX801 39.82 W.Yellowstone,MT-p		
KOB246 " Spokane, " "	1252 KTM969 " Belt, " "		
1706 KJK725 42.12 Oakland,CA-sp	1255 KDY292 " E.Helena, " "		
1707 KME600 42.34 Dunsmuir, " "	1300 KIL384 " Polson, " "		
1708 KOG982 39.82 Twin Falls,ID-p	10-31:		
1710 KGT444 42.34 Grenada,CA-sp	1200 KOB202 42.82 Govt.Camp,OR-p		
1711 KTN273 " Commerce, " "	KOB309 " Canyon City, " "		
1713 KEP653 42.82 Gold Beach,OR-p	1201 KOB311 " Burns, " "		
KOB877 " Tillamook, " "	1206 KOB310 42.94 Roseburg, " "		
1715 KMC983 42.88 Merced,CA-sp	KOB309 " "		
1716 KME640 42.34 Downieville, " "	1208 KOW938 " Wyeth, " "		
1720 KCO210 42.88 San Dimas, " "	1211 KOW939 " Ashland, " "		
1721 KMG428 42.12 Barberville, " "	1212 KOB307 " Coquille, " "		
1722 KQR537 " Kings Beach, " "	KOA296 " Odell Lake, " "		
1724 KML956 " Needles, " "	1214 KDC261 " Salem, " "		
KMH700 " San Jose, " "	1220 KOB877 " "		
1725 KME357 " San Diego, " "	KOA963 " Eugene, " "		
1730 WBC413 43.18 Auburn, " "	KRA530 " Taft, " "		
1734 " 43.38 " "	1221 KOW823 42.86 Enterprise, " "		
1742 " 43.54 (pager, unID) " "	1222 KOA293 " The Dalles, " "		
10-24:	1223 KOA513 " Grants Pass, " "		
1200 KDC310 39.82 Goose Hump,ID-p	1225 KO482 42.82 Gilchrist, " "		
KOG982 " "	1226 KUA592 42.54 Spokane,WA-lg		
1204 KOG382 " Laurel,MT- " "	KVN611 42.94 Hood River,OR-p		
KYT214 " Cut Bank, " "	1227 KON822 42.88 Columbia City, " "		
1208 KOH637 " Billings, " "	1228 KON896 " Prineville, " "		
1210 KOB482 " Big Timber, " "	1230 -- 45.02 LA area mobiles		
1211 KBM640 " Genese,ID- " "	1236 KRO253 45.08 Seattle,WA-lg		
KOA766 " Superior,MT- " "	1240 KOL698 45.12 Walla Walla, " "		
1212 KOA722 " Missoula, " "	1245 KTO415 42.99 Brookings,OR-p		
1215 KOB568 " Polson, " "	1300 KOA745 42.92 Portland, " "		
1222 KOH855 " Ryegate, " "	1306 KOM570 45.36 Spokane,WA-lg		
1223 KEY828 " Kellogg,ID- " "	1310 KOM575 " Olympia, " "		
1224 KVN817 " Kimberly, " "	1330 KGW765 46.02 Pasadena,CA-p		
1225 KTA972 " LodgeGrass,MT- " "	KGW761 " Van Nuys, " "		
1227 KOG381 " VirginiaCity " "	KGW762 " Compton, " "		
KOM816 " Harlem, " "	1345 RMH292 46.06 Eureka, " -f		
1228 KOB846 " Libby, " "	1346 KTE486 46.04 Riverside, " -lg		
1230 KOA580 " Shelby, " "	1351 KML961 46.12 Marin, " "		
KAX234 " Pocatello,ID- " "	1355 WRC54 45.90 Salinas, " -p?		
KOG978 " Council, " "	(below 44 MHz a mess)		
KJL630 " Moscow, " "	1400 KMJ410 45.46 SanFrancisco, " -lg		
1237 KOA999 " Kalispell,MT- " "	1402 KMJ412 " " " "		
1238 KSS281 " Glendive, " "	KG560 45.54 Jackson, " "		
1240 KOI722 " Glasgow, " "	1410 KMD982 45.86 Indio, " "		
1243 KOA216 " GreatFalls, " "	1412 KQN951 45.64 Tacoma,WA-p		
1245 KZF872 " Butte, " "	1413 KON617 45.48 " " -lg		

Dec 3 1730z reports from several NJ stations that the ZB2VHF beacon (Gibraltar) in faintly. This is still near 50.003 pending arrival of the new beacon transmitter (50.035). PYLRO (Brazil) reports it in many evenings via TE in October and November along with the Hawaiian and even the Cyprus beacons.

VHF UTILITY DX

JANUARY 1979

Thomas J. Yingling, Jr., 221 Pinewood Road, Baltimore, MD 21222 Bearcat 210 with big-stick CB antenna; EST used

- 10-10: (1643 to 1718) unID Sp.43.90
 35.38 LA, CA-mp
 35.26 Portland, OR-mp
 " Bend, " "
 " Vancouver, WA-"
 " Seattle, " "
- 10-11:
 1600 35.38 San Diego, CA-mp
 35.46 LA " "
 " San Jose, " "
- 10-12: (1600 to 1700)
 35.26 Portland
 35.38 San Diego
 35.46 LA
 KDG872 33.94 "-r
- 10-15:
 1736 RMH277 42.08 Lebec, CA-sp
 1745 KME311 " Newhall, " "
 1800 KMA628 39.14 LA, "-cp
 (1800-2100)
 KDN954 39.18 Bisbee, AZ-cp
 KXV392 42.08 Gorman, CA-sp
 KMH724 " Lancaster, ""
 KVG865 42.50 LA, ""
 KDF611 39.18 Cottonwood, AZ
 KOA780 " Holbrook, "-cp
 KME263 42.34 Barstow, CA-sp
- 10-17:
 0006 KSV769 37.04 Hampton, AR-cp
 0028 KTB319 37.12 Lake City, "-p
 0047 KKY932 " MountainView, "-cp
 1648 47.69 & 49.82 VOA-ha
- 10-18:
 2040 KIC432 37.26 Columbia, TN-p
 2121 KII900 " Savannah, "-cp
- 10-19: (1800-2000)
 KUV661 42.54 Monterey, CA-sp
 KMH231 42.50 Adams, " "
 KMH300 " San Jose, " "
 KRG560 39.18 White R., AZ-p
 KOA629 " Globe, " "
 KMA628 39.08 LA, CA-p
 KFI599 39.18 Payson, AZ-cp
 KME454 42.08 Sacramento, CA-sp
 KFP496 " San Francisco, ""
- 10-20:
 2212 KGA905 39.82 Media, PA-cp
 2321 KEA830 44.94 Woodstown, NJ-sp
 10-22: (1600 to 1900)
 KOA348 39.18 Flagstaff, AZ-p
 KAY845 42.08 Redwood Cy, CA-sp
 KMJ414 45.58 S. Francisco, " "
 KVV907 46.18 Bakersfield, "-cf
- 10-24: (1530-1930)
 KBQ743 42.12 Riverside, CA-sp
 KDK709 " S. Barbara, " "
 KMA821 " S.L. Obispo, " "
 KMD952 42.50 S. Bernardino, ""
 KRB412 42.46 LA, " "
- 10-24:
 KMA224 39.36 San Rafael, CA-cp
- 10-27: (1723 to 1830)
 KEU912 39.36 Phoenix, AZ-sp
 KBT355 39.18 Parker, " -p
 KJV300 " Phoenix, " -cp
 KOA362 " Douglas, " -p
- 10-30:
 1700 KMF354 37.14 LA, CA-p
 1752 KVR770 37.10 Boulder, CO-p
 10-31: (1559 to 1645)
 KJK725 42.12 Oakland, CA-sp
 KMD934 42.34 El Centro, " "
 KDC261 42.94 Salem, OR-"
 KMA448 42.12 Sacramento, CA-"
- 11-2:
 1800 KDL981 154.965 Wilmington, DE-f
- 11-3: (1730 to 1850)
 KOB310 42.82 Roseburg, OR-sp
 KOA513 " Grant Pass, " "
 KOA693 42.86 Eugene, " "
 KON822 42.88 Columbia City, ""
 2030 KGA243 45.46 Eagleville, PA-cp
- 11-4: (1700 to 1950)
 KOA744 42.86 La Grande, OR-sp
 KOA785 42.88 Portland, " "
 KUG719 " Elko, NV-"
 KVP570 42.94 Reno, AZ-"
 KMB309 43.22 Inglewood, CA-vp
 KOA745 42.92 Portland, OR-sp
 KOA384 42.86 Vale, " "
 KOH704 42.88 Las Vegas, NV-"
 KFD568 " Idaho Falls, ID-"
 KOA324 42.54 Boise, " "
 KMH700 42.88 San Jose, CA-"
 KMA962 42.08 S. Francisco, " "
 KVA471 42.92 Beaverton, OR
 KOB308 42.82 Klamath Falls, "
 KMD520 42.12 Santa Maria, CA-sp
 2330 KIV237 39.80 Warrenton, VA-cp
- 11-5:
 1100 KLP930 39.94 Fresno, CA-cp
- 11-6: (1600 to 1650)
 KEV428 39.82 Libby City, MT-p
 KLE850 42.12 Richmond, CA-sp
 KOA294 39.18 Centerville, WA-cp
- 11-7: (1300 to 1430)
 KJL630 39.82 Moscow, ID-p
 KOE204 " Deer Lodge, MT-sp
 KOA722 " Missoula, " -cp
 KOE381 " Yellowstone, "-p
- 11-8: (1600 to 1730)
 KOB554 39.18 McMinnville, OR-p
 KF0787 39.90 Spokane, WA-"
 KYG735 39.76 Nevada City, CA-cp
 KEY828 39.82 Kellog, ID-p
 KBQ264 " Idaho Falls, ""
- 11-9:
 1204 KDG872 33.70

VHF UTILITY DX

JANUARY 1979

(Yingling, cont.)

11-12:

1900 KQT903 33.94 Gretna, LA-f
 KK2704 " " " "
 KQP575 " Gould, "

11-13: (1600 to 1800)

KF2902 39.18 Sedona, AZ-p
 KCQ249 " Bridgewater, NJ-cp
 KOL567 " Wilcox, AZ-p
 KOA766 " Kingman, " "
 KOH766 39.82 Billings, MT-p
 KYI857 39.18 Hagerstown, MD-cp
 KVD645 39.82 Shelley City, ID-p
 KOH242 " Twin Falls, " -cp
 KOA278 " Butte, MT-p

11-15:

1700 KCI726 39.18 Sierra Vista, AZ
 1720 KLX845 " Tucson, AZ "

11-16: (1650-1752)

KOA598 42.92 Salem, OR-sp
 KJK725 42.12 Oakland, CA-sp
 KCR935 42.50 Oroville, " "
 KJY912 42.12 Esparto, " "
 KFN577 39.54 Portolam, " -cp
 KOB246 39.74 Spokane, WA- "
 KMA376 39.92 San Jose, CA- "

11-18:

1745 KOG986 39.82 Gooding, ID-p

11-20:

2000 KIC365 158.985 Richmond, VA-sp
 2030 " 159.000 " " "
 KBZ474 159.030 Washington, DC-sp
 2031 KIC825 159.135 Melfa, VA-sp
 2045 KIC368 159.165 Williamsburg, " "

Randall B. Clark, Route 5 - Dutch Ridge, Parkersburg, WV 26101
 304-422-2923; Patrolman-6 with 30-inch built-in whip at 45'; GMT used

BBC-1 41.50 Divis, Northern Ireland (TV audio)

10-15: 1400-1515 21: 1545-1620 26: 1540-1615
 17: 1556-1728 23: 1441-1620 31: 1500-1726
 20: 1544-1622 24: 1450-1620

BBC-1 41.50

11-1: 1617-1825 9: 1720-1726 13: 1520-1725
 2: 1440-1815 14: 1528-1533
 3: 1448-1750 10: 1707-1712 15: 1453-1715
 4: 1457-1645 11: 1411-1427 16: 1502-1815
 5: 1658-1758 1539-1558 17: 1408-1800
 6: 1540-1715 1710-1722 20: 1335-1420
 8: 1553-1557 1743-1746 22: 1603-1615

ORTF 41.25 France (TV audio)

11-2: 1515-1630 6: 1340-1546 16: 1543-1628
 5: 1445-1630 15: 1403-1427 19: 1600-1702

Martin J. Theil, 12 Princeton Drive East, Holiday, FL 33589 Bearcat
 210 & rod antenna; 11-26 (?) EST ? 39.82 MHz

1400 KRB523 Temple City, CA-cp 1415 KOG982 Twin Falls, ID-p
 KOA580 Shelby, MT-p 1430 KOA766 Superior, MT- "
 1415 KOG381 Virginia City, " " KOA216 Great Falls, " "

Now, my loggings. Hallicrafters SX-62, Hammarlund SP-600-JX-10, Allied A-2586, Patrolman (c. 1967); Swan 250 with Ameco nuvistor preamp & 5-e Cushcraft horizontal Yagi @23' for 50-MHz; other antennas two 30' long wires at 12' ne-sw, nw-se runs; peak MUF's noted daily; F2 unless noted, * Es, bs-backscatter; GMT used; new underlined

11-3:

1430 37 Russian
 1555 ORTF 41.25 France (TV audio)
 1600 BBC-1 41.50 England (")
 44+ Spanish
 1642 KED482 33.98 Binghamton, NY-f
 1650 KCCL93 33.94 Simsbury, CT- "
 1702 -- 35.58 Scranton, PA-vp
 KEA860 35.22 NY, NY-tp
 1703 -- 35.22 Wilkes-Barre, PA-vp
 1720 39 US

11-3:

1730 R.F.I. 43.17 Paris-ha
 1742 low-43 Canada
 2150 KOP303 35.46 Langley, WA-mp
 2159 KCA378 33.82 New Haven, CT-f
 2242 KOB238 37.48 Seattle, WA-light
 2300 hi-37 Russian
 2326 KOA796 35.58 Portland, OR-tp
 KOK418 35.46 (west)-mp
 2355 KLP527 35.22 Honolulu, HI-tp

(Dyer cont.)

11-4:

1425 KEG663 33.82 Metuchen,NJ-f
 1427 KED485 " Woodbridge,""
 1435 ORTF, BBC-1; 1455 49.68
 1458 Scranton, 1459 Wilkes-Barre
 1505 KEA860, 1520 mid-40 Canada
 1545 39 US, 1606 R.F.I. 43.17
 1940 KCA305 37.54 Eddington,ME-u
 1941 KGE734 33.78 LockHaven,PA-cvf
 1944 KDP395 33.70 LittleVal.,NY-cf
 1949 KGB367 33.90 Oxford,MD-
 2001 KCE457 33.86 Newtown,CT-f
 2002 KCK671 33.90 LakeGeorge,NY-cf

11-5:

1420 ORTF, 1422 Scranton, W.-Barre
 1428 KCI299 35.22 New Haven,CT-tp
 KEA860; 1435 BBC-1
 1450 43.90
 1456 KEG604 33.86 BelmontCrns,PA-vf
 1457 KEE720 33.78 Millburn,NJ-f
 1500 R.Moscow 38.87-ha
 1522 KOA796, 1525 low-40 Canada
 1530 KJE777 39.76 Boston,MA-sp
 1638 KEH367 33.-- JohnsonCity,NY-f
 1639 KUA288 35.22 Portland,OR-tp
 1800 KOP303 35.46
 2123 KCE518 33.86 Shelton,CT-f
 2122 KED485, 2128 KCE457

11-6:

1355 ORTF, BBC-1; 1357 R.Mos. 38.87
 1403 Scranton, 1425 42.81
 1435 mid-42 Canada; 1550 39's Mass
 1905 KCC405 37.54 Bangor,ME-he
 1906 KOB238
 1910 KCA346 37.54 Ellsworth,""
 11-7:
 1440 ORTF, BBC-1, R.Moscow 38.87
 1535 39's Mass, BBC Wales-tentative
 1548 low-44 Spanish, 1550 Scranton
 1550 W11.-Barre, 1602 BBC N.Ireland
 1621 KEA860, 1639 low-43 Canada
 1656 KOA796

11-7:

1823 ----- 35.50 Phila.,PA-mp
 1826 KOP303 35.46
 1837 KCE322 39.62 Belfast,ME-cp
 1849 KCA321 37.54 Lincoln,ME-he
 1850 KCD664 37.62 Holbrook,MA-gas
 1858 KCA305, 1859 KUA288

11-8:

1359 KDA383 33.90 Milford,NH-f
 KCA695 33.78 Manchester,""
 1400 KDC288 33.90 Hollis. " "
 1500 BBC-1, 1535 39's US
 1540 42+ Canada, 1613 Scranton
 1735 43+ Spanish, 1800 KEA860
 1825 KOA796, KCI299
 1838 KOK418, KOP303 35.46
 2109 KEC515 35.58 Albany,NY-tp
 2157 KUA288, 2200 37.80 Russian

11-9:

1348 W11.-Bar.,Scranton,ORTF

11-9:

1430 KCB844 33.70 Greenfield,MA-f
 1530 39's US, 1545 KOP303 35.46
 1657 KCE518, 1700 KEE720
 1701 KRZ270 33.90 Fenton,NY-f
 1715 hi-41 Canada, 1800 KJK777
 1803 42.01, 1850 42.06 bs
 1900 KOA796, 1934 KOP303 35.62
 2058 KCA305, 2120 38.90 Russian
 2210 KOK418, 2241 KUA288
 11-10:
 1420 mid-37 US, 1525 ORTF
 1525 Scranton, 1550 41.62 Spanish
 1607 -- 35.50 NY,NY-mp
 1612 KOP303 35.62
 1701 KCB979 33.90 Norwich,CT-f
 1702 KCG964 33.76 Terryville,""
 1703 KCE518
 2000 hi-37 Canada, 2340 38.90 Rus.
 11-11:
 1420 K4ERO/HCI 50.1- Quito,Ecu.-a
 1557 Scranton, 1558 KOA796
 1623 BBC-1, 1624 KEA860
 1650 hi-39 US, 1705 43.10 Canada
 1754 KCI299

11-12:

1431 KCF364 33.78 Brookline,MA-f
 "366,368" " " "
 1530 45.13 Spanish, 1659 KDC288
 1700 KCA410 33.92 Wareham,MA-f
 1702 KCA639 33.90 " "
 1902 KCD471 33.70 WellsCorner,ME-"
 2013 KSC645 35.58 Chicago,IL-tp *
 2023 KOA796
 2050 -- 35.38 Sacramento,CA-mp
 2057 KUA288
 2126 KFS 34.05 Palo Alto,CA-hac

11-13:

1545 ORTF, 1552 KCA346, 1559 Scrant.
 1600 W.-Bar., 1600 BBC-1,
 1620 KEA860, 1630 KOP303 35.46
 1655 low-44 US/Canada
 1700 49.975
 1930 KEA334 37.38 Hackensack,NJ-cp
 1950 hi-39 Mass, 2013 KOP303 35.62
 2041 KCI299

11-14:

1617 KUA288, 1619 KOP303 35.46
 1622 Scranton, 1643 ORTF
 1648 49.98
 1654 KUA300 35.22 Goleta,CA-tp *?
 1815 US hi-37, 1847 KOA796
 1925 low-40 Canada, 2040 KOK418
 2058 KOB238
 2234 KOB683 33.98 KlamathFls,OR-f

11-15:

1427 KCI299
 1430 KGC755 33.90 Lancaster,PA-cf
 1515 48.23 Spanish
 1530 BBC-1, 1532 ORTF
 1555 BBC-1 Northern Ireland
 1558 Scranton, 1559 Wilkes-Barre

VHF UTILITY DX

JANUARY 1979

(Dyer, cont.)

11-15:
 1559 KEA860, 1605 mid-40 Canada
 1640 KUA288, 1648 KOP303 35.46
 1659 KDC288
 KDA381 33.90 Wilton,NH-f
 KCJ825 33.94 Bedminster,NJ-"
 KCG249 33.70 Southbury,CT-vf
 1703 KFS 34.05, 1759 KOP303 35.62
 1759 KOA796, 1812 KC405
 1831 KCA346, 1940 hi-37 US
 2126 KOB238
 2200 KJY884 33.96 WestChester,PA-cf
 KEE873 33.86 Salem,NJ-"
 2235 -- 35.26 Portland,OR-mp
 11-16:
 1659 KCA585 33.90 Plymouth,MA-f
 KDA381, 1718 KUA288
 1801 KC405, 1853 KOP303 35.62
 1857 KGI299, 1858 KEA860
 1925 40.45 Spanish
 2157 KBV999 33.90 Storrs,CT-f
 2158 KCD346 33.80 Tolland, "
 2159 KCA695, KCA378; 2201 KGE734
 11-17:
 1425 hi-35 Russian, 1700 KCA695
 1700 KCA410, 1825 40.45 Spanish
 1835 KEA860, 1838 KUA288
 1850 KOP303 35.46, 1855 KC405
 1942 KCA346, 2035 KOB238
 2158 KCD346, KDA381; 2159 KDA383
 2159 KJP373 33.90 Gilmanton,NH-f
 2200 KDC288, 2305 KLF527
 11-18:
 1555 W.-Barre, 1638 KGI299, KOA796
 1706 KQP474 33.78 Tuckerton,NJ-f
 1712 KOE257 35.58 Phoenix,AZ-tp *
 1738 KCA305, 1741 KUA288
 1829 KOP303 35.62
 11-19:
 1515 W.-Barre, 1517 Scranton
 1530 ORTF, 1531 BBC-1, 39's US
 1542 R.F.i. 43.17
 1640 hi-43 Spanish
 11-20:
 1440 50.1- TX (bs)
 1450 50.395, 1505 KLERO/HCl
 1520 WB2RLK/VEL 50.1- NS (bs)
 1525 KY 50.1- (bs)
 1527 OK " "
 1535 WALOUB 50.1- NH (bs)
 1550 ORTF, 1758 Scranton
 1848 low-43 US, 1930 low-44 Canada
 1954 KCA305
 2120 KCA460 37.18 E.Hartford,CT-p
 KCF353 37.22 Rutland,MA-"
 2135 KUA288, 2202 KOB238
 11-21:
 1445 mid-45 Spanish, 1606 Scranton
 1742 43.58 US, 2018 Wilkes-Barre
 2019 KEA860, 2220 KUA288
 11-22:
 1613 50.025 (Colombia ?)
 11-22:
 1748 Scranton, 1903 near 45 Canada
 1906 low-44 Maine, 2025 low-43 ME
 2032 -- 39.50 Auburn,NY-p
 11-23:
 1610 hi-37 US, 1620 KUA288
 1621 KOA796, 1700 KOP303 35.62
 11-24:
 1610 hi-39 Spanish, 1730 KEA860
 2000 hi-37 US, 2055 Scranton
 2058 Wilkes-Barre
 2100 KGD214 33.90 York,PA-cf
 2101 KVT766 33.78 Dover,DE-"
 2105 KOP303 35.46
 2213 KCH585 33.70 Rutland,MA-f
 11-25:
 1444 low-48 Spanish
 1605 Scranton, 1606 Wilkes-Barre
 1610 KEA860, 1625 KCA305
 1840 KBG782 39.-- Lynbrook,NY-p
 1850-1920 42's Mass, 1902 low-44 Can
 11-26:
 1510 KEA860, 1534 Scranton, Wil.-B.
 1930 39's US, low-43 Canada
 2120 KUA288
 11-27:
 0019 KOE257 *
 1425 mid-43 Spanish
 1534 KCG933 33.90 Norwell,MA-f
 1600 KGE382 33.86 Kingston,PA-"
 1601 KCA378, 1610 hi-37 US
 1649 KOA796, 1659 KDA383
 1701 KEE720
 1744 KED736 33.86 Fair Lawn,NJ-f
 1847 KEA860, 1902 mid-39 Canada
 1905 Scranton, 1929 KOP303 35.46
 1931 KCA305, 1954 " 35.62
 2129 KIB278 33.84 Plymouth,NH-f
 11-28:
 1440 mid-42 Spanish, 1940 hi-37 US
 1947 KOP303 35.62, 35.46
 11-29:
 1615 36.8 Can ?, 2003 KOP303 35.46
 2009 KLF527, 2059 KUA288
 2100 40.62
 11-30:
 1430 36's Spanish
 1845 KOP303 35.46
 12-1:
 1555 BBC-1, 1558 ORTF, 1610 hi-37 US
 1621 Scranton, 1732 KOA796
 1759 KUA288, 1805 KOP303 35.62
 1912 KOP303 35.46, 2025 KCA585
 2029 KDC288
 12-2:
 1600 hi-37 US
 1614 Wilk.-Bar., mid-38 Canada
 12-3:
 1425 36's Spanish, 35.58 US
 12-4:
 1527 49.68 Spanish, 1625 mid-37 US
 1700 KCA410 33.9-

VHF UTILITY DX

JANUARY 1979

(Dyer, cont.)

12-4:		12-5:	
1704 KOP303 35.46, 1705 same 35.62		1600 KGE450 33.98 Allentown, PA-cf	
2000 hi-37 US, 2041 KUA288		KGE831 33.78 Wilmington, DE"	
2149 KOB238, 2215 mid-38 Canada		KCH209 33.90 Waterford, CT-f	
2249 KOA796		1602 hi-37 US	
12-5:		1658 KDA383, KDA381; 1659 KCA695	
1550 low-41 Spanish		1700 KCD497 33.64 Buzzards Bay, MA-f	
1553 KEG515 35.58 Albany, NY-tp		2145 KOP303 35.46	
1559 KGD273 33.7- Forest Hill, MD-cf			

 a-amateur; f-fire (c-county, r-regional, s-state, v-volunteer);
 ha-h.f. harmonic (hac- c.w. ha); he-hydroelectric; lg-local government;
 mp-mobile phone; p-police (c-sheriff, s-state); tp-tone pager;
 u-utility; vp-voice pager

other 50-MHz DX news - Several Japan to Argentina openings during the month of November (several of them being close to the existing world record distance for 6-m); also Japan to California a few times; Nov 12 2040z 40-minute opening from Guam to US West Coast; New Zealand TV audio into California a few times; Georgia had F2 opening to Alaska in October ?; GA also heard in England; several US n.e. openings to Central America and Northern South America; Hawaii to Japan and other Pacific points too numerous to mention! - see QST's for more details

As of December 1 WWV revived its 20-MHz outlet after about 2 years of silence. 25-MHz might be reactivated later if "propagation conditions warrant".

10.7-cm solar flux average for November around 152. That puts a smoothed value for April at around 134. The up-swing curve of Cycle 21, even though it is starting to lag Cycle 19's pace now, is still very well ahead of Cycle 20 at this point. Latest Boulder forecasts have the peak in late 1979 thru early 1980 at smoothed sunspot count of 150 with a 95% confidence that it will be + or - 34 of that value. (sunspot count of 150 is approximately equal to solar flux of 180).

It seems I keep having to repeat myself on this subject. VHF DX is best described as reception of stations (not normally received) due to various propagation conditions (Es, F2, tropo, etc.). It is not meant to include long-distance line-of-sight (i.e., aircraft, satellites, etc.). For an aircraft at 30,000 feet or so its expected radio horizon is easily some 200 miles. Reports in this realm add little in the way of propagation knowledge and (except for those in the same locale) are useless to other members since they will never hear those transient stations.

I (and others) have recently tried to get someone to undertake the possible editorship of a column that would deal with that type of VHF logging since there are a few members who are deeply committed in that area. Any volunteers out there are requested to contact HQ or me.

As stated in my initial column (May 1970) I wanted this column to be DX in nature. Through the first few years, in order to have much material besides my own loggings, a great deal of flexibility had to be taken. Now with the upswing in Cycle 21, and the numerous members who are submitting the VHF F2 DX from it, there is no longer time or space in which to include these essentially non-DX loggings in the column.



STATISTICS

Fred Nordquist
7945 Boxford Road
Clay, NY 13041
Deadline: the 5th

January 1979

STATES STATS

State	#-DXer	#-DXer	State	#-DXer	#-DXer	State	#-DXer	#-DXer	State	#-DXer	#-DXer
AL	31-fm	30-je	IN	133-rs	26-je	NE	21-je	15-fm/fn	SD	26-je	6-fm
AK	None		IA	80-je	30-fm	NV	12-fm	3-je	SC	20-fm	15-je
AZ	22-fm	20-je	KS	39-db	28-fm	NH	6-mb	4-fn	TN	28-fm	18-fn
AR	25-db	28-fn	KY	51-rs	23-fm	NJ	35-sw	33-mb	TX	129-fm	125-be
CA	169-jj	74-fm	LA	27-je	24-fm	NM	26-fm	22-je	UT	8-je	7-fm
CO	17-je	2-fn	ME	9-je	8-mb	NY	143-fn	103-mb	VT	8-mb	5-fn
CT	38-mb	17-fn	MD	20-sw	14-mb	NC	53-je	16-fm	VA	36-je	20-fm
DE	11-sw	4-mb	MA	58-mb	28-je	ND	17-fm	7-je	WA	7-fm	2-je
FL	71-ps	67-fn	MI	87-rs	80-ps	OH	149-rs	91-ps	WV	22-rs	12-fm
GA	42-je	25-fn	MN	105-je	62-fm	OK	52-db	29-fn	WI	106-je	39-rs
HA	None		MS	28-fn	23-fm	OR	16-fm	-	WY	1-fm	1-je
ID	9-je	3-fn	MO	57-db	36-je	PA	89-fn	56-sw			
IL	114-be	105-rs	MT	6-je	4-fm	RI	7-mb	3-je/fn	DC	13-sw	12-mb/fn

DXers who placed 1st & 2nd in the States Stats above are: ps-Peter Sawatzky (ON); mb-Mike Bugaj (CT); fn-Fred Nordquist (NY); rs-Ralph Strobel (IN); db-Danny Buntin (OK); fm-Fred McCormack (ND); jj-John Jefferson (CA); je-John Ebeling (MN); and sw-Steve West (PA). I know there many more of you who have logged more stations than the above -- so send in your record breakers. (oops) be-Bruce Elving (MN).

89 MHZ DISTANCE RECORDS

FREQ.	PROP	CALL	LOCATION	MILES	DXER, LOCATION
89.1	Es	WRNE	ME Houlton	1500	Michael Dalton, Clearwater FL
	Tr	XHRA	Guadalajara, Jal.	1480	Michael Dalton, Clearwater FL
	MS	NONE			
89.2	Au	KMUW	KS Wichita	640	Russ Brown, St. Joseph MI
	Es	XEJT	Tampico, Tams.	990	Glenn Hauser, Enid OK
89.3	Es	KCUR	MO Kansas City	1565	R.T. Ryan, Victoria BC
	Tr	WPCS	FL Pensacola	800	Russ Brown, St. Joseph MI
	MS	WHKW	WI Chilton	1165	Carlton Howington, Uniontown OH
89.4	Au	WCAL	MN Northfield	500	Glenn Hauser, Von Ormy TX
	Es	TGD	Quetzaltenango, Guat.	1095	Frank Merrill, Milan MI
89.5	Es	WPKN	CT Bridgeport	1365	Glenn Hauser, Von Ormy TX
	Tr	WMOT	TN Murfreesboro	840	Robert Cooper, Oklahoma City OK
	MS	WNIU	IL DeKalb	1035	Glenn Hauser, Von Ormy TX
89.6	Au	WPKN	CT Bridgeport	790	Glenn Hauser, Von Ormy TX
	Es	TGDX	Guatemala, Guat.	1130	Andy Bolin, Charleston IL
89.7	Es	WGBH	MA Boston	1525	Glenn Hauser, Von Ormy TX
	Tr	WMCU	FL Miami	1155	Fred McCormack, Des Lacs ND
	MS	KGCC	TX Denison	1120	Glenn Hauser, Von Ormy TX
89.9	Au	WGBH	MA Boston	905	Larry Vogt, Springfield VA
	Es	WJCT	FL Jacksonville	1625	Andy Bolin, Charleston IL
	Tr	WJCT	FL Jacksonville	1020	Fred McCormack, Des Lacs ND
	MS	WWSA	WI Brule	905	Glenn Hauser, Von Ormy TX
	Au	WWSA	WI Brule	505	Larry Vogt, Springfield VA
					Frank Merrill, Milan MI

Two new 88 MHZ records follow:

88.1	Es	WMPR	SC Sumpter	1490	Fred McCormack, Des Lacs ND
88.5	Au	WAMU	DC Washington	920	Old Record - 1255 - Hauser John Ebeling, Bloomington MN Old Record - 705 Russ Brown

Next month: FM Scoreboard update. Keep sending in your new records. 73 - Fred.



PUBLIC RADIO

...that's well done.

WPHD



QSL CORNER

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

TV-QSL

- Great Britain BBC-1 British Broadcasting Corp, Broadcast House, London W1A 1AA, letter & QSL Card from P. E. Lonsdale, Engineering Information Dept. for reception of BBC-1 from Crystal Palace on freq. 41.50Mhz, channel B-1 for f-2 skip reception. Ellis
- AL WFIQ 36 Florence, % 2101 Magnolia Ave, Birmingham, 35205. Letter with unreadable signer, CE. Eddie
- IL WIFR 23 Freeport, Box 239, 61105. Letter from Dean Turman, Eng. Man. Eddie
- WMED 31 Peoria, 3131 N. University, 61602. Unreadable name of Eng. Sup. Eddie
- WTVP 47 Peoria, 1501 W. Bradley Ave, 61625. Letter from Tom Doorak, Dir of Programming. Eddie
- WFLD 32 Chicago, 300 N. State St, 60610. Letter & map from William P. Kusack, Engineering Manager. Yingling
- IN WLFI 18 Lafayette, P. O. Box 18, 47902. Letter & card & brochure for 25 years of service from Kenneth E. Gardner, Dir. of Eng. in 9 days, used SASE.
- WFYI 20 Indianapolis, 1440 N. Meridian, 46202. Letter back from James P. Tyler, CE *
- WEHT 25 Evansville, Box 395, 47703. Letter from Elmer Chancellor, CE Eddie*
- MT KYUS 3 Miles City, P. O. Box 760, 59301. Very, very friendly letter, with an invitation to visit to visit the station & article on the station. I'd say he answers each report a little differently. Signed by David G. Riveness Pres & Man, etc. Shaffer
- MS WMAW 14 Meridian, % P. O. Box 1101, Jackson, 39205. Letter & map from David J. Wilson, Dir. of Eng. reply in 1 week. Traska
- MO KMTG 27 Springfield, 3000 Cherry St, 65804. Letter from Dale Blankenship, CE reply in 16 days with return postage. Traska
- PR WKAQ 2 San Juan, GPO Box W, 00936. Send back in 1 1/2 months after my 2nd try. Confirmed by letter from Enrique Valdes Pages, Chief Engineer. Clark
- TN WDCN 8 Nashville, P. O. Box 12555, 37212. Send card in envelope from Cral Shirley CE reply in 11 days. Traska
- WKPT 19 Kingsport, 222 Commerce St, 37660. Letter from George E. DeVault, jr, Vice President & Station Manager. "You might be interested in knowing that we have received reports from other parts of the country on that same day. Apparently a real 'UHF Opening' was upon us." Yingling
- WV WVVU 24 Morgantown, Box TV-24, West VA University, 26505. Letter from Keith Wassi, Eng. Ops. Mgr. Eddie
- WMUL 33 Huntington, Third Ave, 25701, Card back from Laberta S. Pinkston, Volunteer Coordinator, reply came back in 1 week. Yingling
- WI WHA 21 Madison, 821 University Ave, 53706. Letter from Gene Zastrow, CE with a reply back in 6 days. Langridge
- WVTV 18 Milwaukee, P. O. Box 1818, 53201. Letter from William U. Witt, jr. Dir of Eng in 9 days. Langridge
- WMVT 36 Milwaukee, 1015 N. 6th St., 53203. Letter send, but unreadable signer, CE was title. Eddie
- WMTV 15 Madison, 615 Forward Dr, 53711. Letter from Elmer Weisensel. Eddie

This month we got a special qsl reported. Albert Ellis was one of the lucky ones to get in on the f-2 skip to England with a receiver to get BBC-TV sound track on 41.50Mhz and to get a qsl. I wish I got them myself. Other reporters this month are: Richard Eddie of St. Louis, MO; Paul Traska of Buffalo, NY; Steven Shaffer of Hammond, IN; Robert Langridge of Durant, IA; & Tom Yingling, editor of Baltimore, MD. I hope others got lucky with the F-2 skip. I got a letter from Randall Clark with his report that he got BBC-1 from Northern Ireland in Parkersburg, WV but no reply to his report yet. I hope the f-2 don't die down too soon for me.

73¹⁵ Tom



WLFI-TV 18



A PORTABLE DX-QUALITY FM RECEIVER

by Peter Sawatzky, VE3IXQ

While many portable multi-band radios may be obtained on today's market, few, if any, can lay claim to FM broadcast band specifications (if even given by the manufacturer) for sensitivity and selectivity which would be of any real interest to the serious FM DX'er.

Further to my Pioneer KP500 "Supertuner" automobile FM receiver review (VUD Sep. 77), I shall here suggest a scheme to enable conversion of the KP500 into a completely self-contained portable receiver, including rechargeable battery (with charging circuitry), speaker, and antenna, as well as numerous other features to facilitate its use as a truly portable DX-quality unit. With a sensitivity of 1.1 μ V IHF into 75 ohms and alternate channel selectivity of about 75 dB (according to manufacturer's specifications), and in actual comparisons found to be not significantly worse in terms of these specs than the classic Heathkit AJ-15, it can be readily seen that such a unit, if truly portable, would enable the FM DX'er to obtain very good results indeed during any opening when not at his home QTH. Realistically, many of us are not at home just as that opening, which we read about two months later, occurs. Those not familiar with the specifications of the KP500 should check the aforementioned article.

I shall not claim that at this time the Pioneer "Supertuner" series is the "best" car FM receiver in terms of DX capabilities, but it certainly "represents" the state of the art. The KP500 was chosen from the "Supertuner" series for portable conversion primarily in view of its being the lowest priced of the series (approximately \$150 in the US). Its distinctive features include a "local/DX" switch (found very useful in locations very close to FM transmitters to avoid front-end overload), an interstation muting switch, stereo pilot lamp, separate bass and treble tone controls, a "loudness" switch (to provide a different bass tone control range), cassette tape player with fast-forward, rewind and auto-eject, and a power output of 8 watts RMS.

In addition to these and several other pleasing features on the basic receiver unit, the portable conversion shown schematically and photographically includes:

- 1) Stereo headphone jack (in the lower left corner of the unit). This permits the unit not only to be used privately with stereo headphones, but with a set of custom jumpers can be used to drive a set of large speaker systems when desired. The unit has sufficient output power to accomplish this with favorable results.

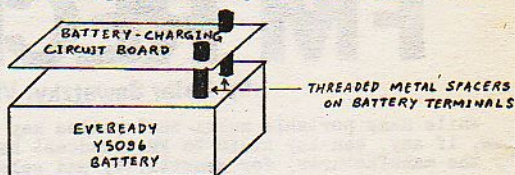
- 2) Left/right channel switch (in the upper left corner). It was deemed unnecessary to provide two speakers for portable applications in view of the significant increase in size of the unit that this would effect, the minimal stereo effect which would be realized from a unit of this size with on-board speakers, and the fact that stereophony is presumably seldom of major concern to the FM DX'er. Alternatively, the basic KP500 could have been internally tampered with to provide blending of the two channels. This would also have eliminated weak stereo signal noise. A dummy load of 100 ohms, while not recommended in manufacturer's specifications, was chosen in parallel with each channel to eliminate an open-circuit output condition and yet minimize power drain by the unused channel.



KP500

3) 1.2 Ampere-hour nickle-cadmium battery (in the right side of the cabinet). The Eveready Y5096 has sufficient capacity to run the unit for a period of some 4 to 5 hours on a full charge, based on the current drawn being about 250 mA in the tuner mode. In the cassette mode this time is cut by slightly less than half, but presumably the cassette is of lesser concern to the portable application. The Y5096 has several times the current capacity required by the KP500, such that it is operating well within limits set by the manufacturer. To significantly increase portable battery operating time, one may disconnect the dial lights on the KP500 which draw a considerable amount of current. The battery's dimensions are 5"(L) x 2"(W) x 2 1/2"(H). Considerably longer portable operation may also be obtained by selection of a battery with greater ampere-hour capacity, but only at the expense of portability and price (multi-cell nickel cadmium batteries are quite expensive).

4) Battery-charging circuitry (mounted atop the battery in the manner shown at right). This circuitry permits the unit to be run and/or charged when connected to a DC supply of not less than about 19V and not greater than 30V. Although such a DC supply would have been very handy on-board the portable unit, it was not deemed feasible within the confines of the cabinet chosen (the Hammond 1426V-B). Consequently



the unit can only be charged and/or run off AC household current either with a dedicated charging supply (for which a suggested circuit will be detailed later) or any DC power supply capable of being set within the aforementioned voltage limits. This external 19 to 30 volt DC supply will be hereon referred to as the "charger". D1 ensures that the DC supply is not connected in reverse. The 7815 regulator IC provides a constant 15V to provide battery charging current of about 40 mA through R2 (30 ohms). The power rating of R2 should be selected based on the worst case condition where the battery were completely discharged. A higher charging rate may be chosen by simply reducing R2, but it should be kept in mind that a "trickle charge" condition should not be exceeded in order to avoid any possibility of overcharge and subsequent possible damage to the battery when running off the charger for extended periods of time. As a rule of thumb, this limit is 1/10 of the current contained in the ampere-hour rating of the battery. In the case of the 1.2AH Y5096, this would amount to 120 mA. D3 simply ensures that the battery does not discharge back through the charging circuitry when the charger is not being used. D4 and D5 drop the voltage from the regulator circuit to an amount suitable for the KP500 while operating from the charger. Diodes D3 through D6 effectively provide current gating for the charge/discharge operation of the battery. Do not neglect to adequately heat-sink the 7815 regulator. Under worst-case conditions (with both tuner and cassette operating and battery charging) it will be running at about 1/2 A with a voltage drop across it depending on the voltage from the charger.

5) Charger/12VDC switch (upper right corner) and 12VDC input connector (upper left corner of the rear of the unit). These permit operation of the unit from a conventional 12VDC supply such as a car battery when and if the internal battery runs down and a charger is not available. A jumper with a cigarette-lighter plug should be kept for this purpose. D7 simply again prevents any possibility of lead reversal.

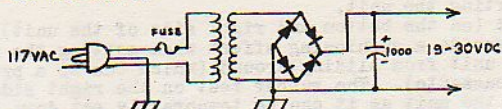
6) Whip antenna (rear upper left side). A telescoping swivel-base antenna (obtained from a defunct television set) provides an onboard antenna where no other external antenna system is available. The particular antenna chosen has maximum and minimum lengths of 41" and 12" respectively. A plastic clip is also provided to secure the antenna atop the unit.

7) External antenna connectors (across the top right corner of the rear of the unit). These connectors (75 ohm Motorola type as found on car antennas, 75 ohm P59, and 300 ohm as found on home systems) are configured in such a way as to make it possible to connect the KP500 to any antenna system available by simply connecting a coaxial jumper in the appropriate manner. 300 ohm connection is accomplished with an internal balun. The jumper used (not shown in the photographs) is as short as possible with EMC connectors. Right-angle EMC connectors are available so as to make this interconnection flush with the rear panel.

8) Charge light (lower right corner). A light-emitting diode, D2, indicates when the unit is operating on the charger.

9) Speaker (left side). A speaker should be chosen with sufficient power rating to avoid possible damage by full power output from the KP500, with sufficient frequency response to provide pleasing sound, and of sufficiently small size to avoid taking away from the portability of the unit.

A simple charger is shown schematically below. The transformer should be chosen such that ripple on the output under full load does not go below about 19V and no-load voltage does not exceed 30V to avoid damage to the 7815 in the charging circuitry in the unit.



This article is obviously not intended to be a piece-by-piece Popular Electronics-type construction project, but has been written merely to lend some insight into how the serious FM DX'er might make his hobby truly portable. Any number of modifications to this scheme are possible and additional useful features might be added.

Results were found extremely rewarding considering the construction time (one week of evenings) and the cost (about \$250 including the basic KP500).

Below is a rundown of the stations received on a single scan up the band operating off the internal battery and with only the on-board whip antenna from Guelph, Ontario. Conditions are minus 6° C (21° F) with basically no enhancement from tropo.

<u>CJOM</u> 88.7 Windsor, Ont. (170 mi.)	<u>WRBO</u> 97.1 Ashtabula, OH (125 mi.)
<u>WGMU</u> 89.5 Mount Pleasant, MI (225 mi.)	<u>CKO</u> 97.5 London, Ont. (65 mi.)
<u>WBOB</u> 90.3 Cleveland, OH (160 mi.)	<u>CKTB</u> 97.7 Saint Catharines, Ont. (60 mi.)
<u>WKAR</u> 90.5 East Lansing, MI (215 mi.)	<u>CHFI</u> 98.1 Toronto, Ont. (45 mi.)
<u>CJRT</u> 91.1 Toronto, Ont. (45 mi.)	<u>WHEB</u> 98.5 Niagara Falls, NY (70 mi.)
<u>WOLN</u> 91.3 Erie, PA (100 mi.)	<u>CKWR</u> 98.7 Kitchener, Ont. (15 mi.)
<u>WOL</u> 91.5 Rochester, NY (135 mi.)	<u>CKO</u> 99.1 Toronto, Ont. (45 mi.)
<u>WUOH</u> 91.7 Ann Arbor, MI (165 mi.)	<u>WDCX</u> 99.5 Buffalo, NY (95 mi.)
<u>CKPC</u> 92.1 Brantford, Ont. (30 mi.)	<u>CKFM</u> 99.9 Toronto, Ont. (45 mi.)
<u>WCAR</u> 92.3 Detroit, MI (165 mi.)	<u>WNIC</u> 100.3 Dearborn, MI (170 mi.)
<u>WPAH</u> 92.5 Alliance, OH (190 mi.)	<u>CBBL</u> 100.5 London, Ont. (65 mi.)
<u>WJLQ</u> 92.5 Rochester, NY (135 mi.)	<u>CHIN</u> 100.7 Toronto, Ont. (45 mi.)
<u>CKSO</u> 92.7 Sudbury, Ont. (210 mi.)	<u>CKOT</u> 101.3 Tillsonburg, Ont. (55 mi.)
<u>WBUP</u> 92.9 Buffalo, NY (95 mi.)	<u>CFMP</u> 101.5 Peterborough, Ont. (110 mi.)
<u>CHAY</u> 93.1 Barrie, Ont. (65 mi.)	<u>CKNX</u> 101.7 Wingham, Ont. (60 mi.)
<u>CBCL</u> 93.5 London, Ont. (65 mi.)	<u>WDET</u> 101.9 Detroit, MI (165 mi.)
<u>WBXK</u> 93.7 Buffalo, NY (95 mi.)	<u>CFNY</u> 102.1 Brampton, Ont. (25 mi.)
<u>CKLW</u> 93.9 Windsor, Ont. (170 mi.)	<u>WBEN</u> 102.5 Buffalo, NY (95 mi.)
<u>CBL</u> 94.1 Toronto, Ont. (45 mi.)	<u>WPHD</u> 103.3 Buffalo, NY (95 mi.)
<u>CKMS</u> 94.5 Waterloo, Ont. (15 mi.)	<u>WCCK</u> 103.7 Erie, PA (100 mi.)
<u>WNED</u> 94.5 Buffalo, NY (95 mi.)	<u>WWOL</u> 104.1 Buffalo, NY (95 mi.)
<u>CKQS</u> 94.9 Oshawa, Ont. (75 mi.)	<u>CHUM</u> 104.5 Toronto, Ont. (45 mi.)
<u>CKDS</u> 95.3 Hamilton, Ont. (30 mi.)	<u>CFCA</u> 105.3 Kitchener, Ont. (20 mi.)
<u>WBBF</u> 95.7 Olean, NY (135 mi.)	<u>CHSC</u> 105.7 Saint Catharines, Ont. (60 mi.)
<u>CFPL</u> 95.9 London, Ont. (65 mi.)	<u>CKLA</u> 106.1 Guelph, Ont. (10 mi.)
<u>WBNY</u> 96.1 Buffalo, NY (95 mi.)	<u>WADV</u> 106.5 Buffalo, NY (95 mi.)
<u>WHNN</u> 96.1 Bay City, MI (180 mi.)	<u>WWWV</u> 106.7 Detroit, MI (165 mi.)
<u>WJR</u> 96.3 Detroit, MI (165 mi.)	<u>CILQ</u> 107.1 Toronto, Ont. (45 mi.)
<u>CKGL</u> 96.7 Kitchener, Ont. (20 mi.)	<u>GING</u> 107.9 Burlington, Ont. (30 mi.)
<u>WGRQ</u> 96.9 Buffalo, NY (95 mi.)	

Those stations underlined were full quieting at least about 50% of the time. Virtually all stations within a 100-mile radius were in full quieting nearly 100% of the time. Since the whip antenna may be oriented as desired, results from the KP500 as a portable are superior to those obtained in a car-mounted unit. This is particularly evidenced by several frequencies on which more than one station was receivable. The superior selectivity of the KP500 is readily visible in the above list where numerous instances of distant stations 200 kHz from semi-locals and locals can be seen. The phenomenal sensitivity and apparently steep quieting curve combine to produce a unit with a real DX feel about it - i.e. each consecutive scan across the band appears to produce more stations struggling in out of noise and frequently into full quieting at distances approaching 250 miles, based only on minor minute-to-minute variations in the refractive index of the troposphere.

Peter Sawatzky, VE3IQ
R.R. # 4
Guelph, Ontario
N1H 6J1

Memorabilia

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

January 1979

Hello again, guys! Hope y'all had a nice Merry Christmas, and that y'all will have a happy, prosperous, and DX-full New Year. This month, MEMORABILIA presents two more great DX memories, submitted by Bill Draeb of Kewaunee WI. Thank you very much, Bill!



WNBF-12
600 mi. tropo

Binghamton NY
(now WBNG-12)

KQTV 21 Ft. Dodge IA
365 mi. tropo (now KVFD-50)



I wish to thank Frank E. Aden, Jr. for a fine job as editor-in-chief. I have greatly enjoyed working with him. Also, my congratulations to Bill Thompson as our new editor-in-chief. Let's all give him, and WJFDA, our support!

73s, best DX,

Bob

WORLDWIDE TV-FM DX ASSOCIATION

Post Office Box 202 - Whiting IN 46394 USA



SERVING THE
VHF-UHF DX
ENTHUSIAST

DUES: U.S. and CANADA, \$11 (via first class); overseas, \$18 (via air mail)

The VHF-UHF DIGEST is the official publication of the Worldwide TV-FM DX Association. WTFDA is a non-profit organization and a member club in the Association of North American Radio Clubs (ANARC).

Persons contributing their efforts for the Worldwide TV-FM DX Association do so without any monetary compensation. Dues and all other revenue cover printing, postage, and other expenses.

The WTFDA is governed by a five-man board of directors, composed of Morrie Goldman, Mike Hogan, Pete Oprisko, Bill Thompson, and John Zondlo. ANARC representatives are Morrie Goldman, Pete Oprisko, and John Zondlo.

EDITOR-IN-CHIEF	Bill Thompson	COMPTROLLER	Gary Olson
PUBLISHER	Pete Oprisko	BOOKKEEPER	Bruce Elving
CIRCULATION	John Zondlo	PROCESSING	Dave Janowiak
DISTRIBUTION	Mike Hogan	LITERATURE	Morrie Goldman

S U P P L I E S and **D X L I T E R A T U R E** Available from WTFDA HQ.

REPRINT SERVICE	Articles from May 1972 through 1978 are available. A complete catalog can be obtained free from HQ.	
VUD Back Issues	Available: January 1975 to present.	50¢ each
A PRIMER TO TV-FM DX:	January 1978 special VUD issue.	\$2.00
TV STATION GUIDE	An accurate listing of North and Central American TV stations, featuring maps for each channel pinpointing their locations.	\$3.00 nonmember price, \$5
BEYOND SHORTWAVE	An introduction to TV, FM, and VHF-UHF radio, written by prominent DXers.	\$1.25
THE FM ATLAS AND STATION DIRECTORY (Latest Edition!)	An accurate and detailed listing of FM with maps and special articles, written by Bruce F. Elving, VUD FCC-FM News column editor.	\$3.50 via first class
EDUCATIONAL FM GUIDE	A comprehensive guide to the educational FM stations in the U.S.	\$2.00
ONDAS FM	A guide to coastal U.S., Central and South American FM stations, featuring FM Atlas style maps.	\$3.00
Club Rubber Stamp ...	Official WTFDA emblem, as at the top of this page, but 37 mm in diameter. Order from Weldon Patterson-Box 25-Adolph, MN 55701.	\$3.50
WTFDA Stationery	Features official WTFDA emblem as at the top of this page, printed in blue on bond.	45 sheets \$1.00
DX Log Sheets	Punched for a 3-ring binder. Great to keep DXers' running logs neat and orderly.	pad of 100 \$2.50
VUD Boxers	Attractive cases designed to keep copies of the VHF-UHF DIGEST organized.	\$1.50 each
Station QSL Report Forms	For requesting QSLs (verifications) from TV and FM stations. Offset printed.	50 sheets \$1.25
DX Column Report Forms	For reporting to the DX columns printed each month in the VHF-UHF DIGEST.	Free for a SASE

All columns and feature articles to be printed in any VUD issue should be sent to editor Bill Thompson, 1907 Seneca Street, Buffalo, New York 14210. All information for VUD columns should be sent to the appropriate editors; all club business (supply orders, etc.) should be sent to HQ in Whiting.