

# VHF-UHF DIGEST

the official publication of the Worldwide TV-FM DX Association

MARCH 1979

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- A HOME-BREW YAGI FOR E-SKIP
- TECHNICAL QUESTIONS & ANSWERS

*We're* **4** **WDIV** DETROIT

**13** **WMBB-TV** World's Most Successful Station

**12** **WTLV** JACKSONVILLE

**6** **TV20** WNDX

**walb-tv** **10** ALBANY GA.

**9** **WTVC** CHATTANOOGA

**17** **WTGC** Atlanta

**WPSD-TV**

**KMGH-TV** **7**

**WIEW** **27** **KTBS-TV** TOPEKA

**WISH-TV** **8**

**7** **AKRON/CANTON** **23** **WAKR-TV** **13** **LOVE**

**13**

**42** **wbmg-tv**

**10** **WTEN** AMSTERDAM

**KHU-TV** **2** **KWGN-TV** **CHANNEL 10** **KOLR**

**WTOL-TV** **TOLEDO ELEVEN**

**9** **KBTV** DENVER

**8** **eight** **WYAT-TV** COLUMBUS, MISSISSIPPI

**8** **GBLPTV**

**8** **WTVW** EVANSVILLE

**8N** **5** **WPTZ**

**ksbw-tv** Salinas / Monterey

**WRCB-TV** **CBET** **38** **WYEA-TV** COLUMBUS, GEORGIA

**wdho tv** **24** **CFTO** Cable **8** Toronto

**13** **STRONG** **WSPD-TV** TOLEDO

**WJHG** **7** **Panama City**

**3** **WLFJ-TV** **18** **26** **WCIU-TV** **39** **KHTV** HOUSTON

# From The Staff :

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

F2 SKIP PRODUCING AMAZING DX...Solar activity continues to rise very rapidly, surpassing many predictions and expectations. Transatlantic TV video has been seen in North America, with WTFDAer Jerry Pulice the first DXer to report this during the present sunspot cycle. On the West Coast, amateur radio operators have been monitoring TV audio and video sync buzz signals from Australia, New Zealand, Japan, and Korea. Audio signals from a New Zealand TV station on 50.74 MHz were recently monitored as far east as Tennessee and Florida by amateurs. West Coast TV DXers should keep an eye open for Hawaii on U.S. channel 2!

NORTHERN FM DX...We have a new NORTHERN FM DX editor. FM DXers in Canada, the United States north of the Mason-Dixon line, Iowa, Minnesota, North Dakota, South Dakota, Idaho, Oregon, Wyoming, and Washington should send their reports to Ralph Strobel, 2510 E. McGaillard Road, Muncie, IN 47303. Ralph plans to restore this column to a monthly basis, so he'd like to hear from you Northern FM DXers.

NEW COLUMN...This month we initiate TECHNICAL TOPICS, which is a question-and-answer feature of general interest to WTFDA members dealing with DX gear, theory, and technique.

EDITOR STILL NEEDED...We're still looking for someone to take over the EASTERN TV-DX column. Can you help?

BITS...The FM Atlas price on the back covers of the past two VUDs was in error—it should have read \$4.50 via first class (it's still a bargain!)...Our printer was breaking in a new pressman last month, so your February issue may have looked a bit messy—please bear with us...Paul Traska, 64 Weaver Avenue, Buffalo, NY 14206, has a project in mind and needs the logos (as on this month's cover) of lowband TV stations in the U.S. and Canada. Send him logos of channels 2 thru 6 stations only, if you'd like to help...WTFDAer Bob Cooper is doing a new monthly column for QST magazine on amateur microwave communications...Quote-of-the-winter, from Morrie Goldman: "I know TV DXers like to look at snow, but this is ridiculous!"

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# MAILBOX

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

### New Members:

W.B. Barker  
Roger Carriere  
Bill Godbey  
Raymond Parker  
Deryck Radlein  
Richard A. Schaak  
Eric Schutz  
Jack Sheldon  
Arthur Williams, Jr.

1448 Grandview Ave.  
196 St. Joseph  
5683 Souchak Drive  
3324 S. 600 E.  
14A Dukharan Ave.  
Route 1, Box 114  
1909 Rockaway Parkway  
130 Mansion Ave.  
576 Springtown Road

Glendale, CA 91201  
Buckingham, PQ J8L 1G7  
W. Palm Beach, FL 33406  
Marion, IN 46952  
Kingston 10, JAMAICA  
Vaughn, WA 98394  
Brooklyn, NY 11236  
Voorhees, NJ 08043  
New Paltz, NY 12561

### Renewals:

Rolf Blodorn, James Brown, Jr., Richard Clark, Bob Cooper, Richard Culin, Bill Praeb, Pat Dyer, Neil Grandjean, Dr. Daryl Herzog, Michael McNeely, Frank Merrill, L. Donald Richard, Verrell Tallet, James J. Wallace, John Zeis.

### Address Changes:

Ken Blair-331 Reigerts Lane-Annville, PA 17003  
Richard Clark-P.O. Box 273-LaVega, DOMINICAN REPUBLIC  
John Czarnomski-1134 Austin Hall-U. of Utah-Salt Lake City, UT 84112  
Michael McNeely-2251 E. Indiana-Evansville, IN 47711  
Frank Merrill-Box 7207-Toledo, OH 43615  
L. Donald Richard-2708 Fairlane Drive-Atlanta, GA 30340  
Ken Simon-513 6th Ave. S.-Lake Worth, FL 33460  
Dr. Richard E. Wood-Dept. of English-Southeast Missouri State University-Cape Girardeau, MO 63701

### Rejoins:

Bruce Metzner-7435 N. Ashland-Chicago, IL 60626  
David Nelson-1507 Lamont Court-Chapel Hill, NC 27514  
James Thomas-300 S. High, Apt. 3-California, MO 65018  
John Topel-1893 Willow Hill Court-Northfield, IL 60093

### Renewals Due in April:

Frank Aden, Jr., Robert Baker, Bill Block, Philip Boersma, Edward Cotton, John Czarnomski, Marc Ditz, Mike Dorner, Rich Eddie, Eric Fader, William Feidt, Jerry Franklin, Roger Gravelle, Michel Guzzi, Dave Hascall, Harry Hayes, Robert Heckenlively, James Herkimer, Hank Holbrook, Instant Replay (Chuck Azar), William Johnson, David Kesterson, Ron LeBlanc, Mark Lewis, Grant Manning, Robert McGowan, Bill Migley, Thomas Payne, Steve Rich, William Ronecker, Mahlon Stilwell, Tom Tomlins, Lee Vulgamott, Matthew Wall, William Welch, Mark Westling, Roosevelt Williams, Roger Winsor, Jim & Karen Young.

Our second member from Jamaica, DERYCK RADLEIN is an airlines supervisor (cargo). He heard about the club in both Popular Electronics and Communications Handbook.

15 year old ERIC SCHUTZ is into TV and BCB DX. He learned of the club thru Elementary Electronics.

The DX gear of ARTHUR WILLIAMS, JR., includes a Realistic DX-160 and a Realistic Patrolman-9. Arthur learned about WTFDA from Communications World magazine. He's into LW, BCB, SW and ham radio.

### Tidbits.....

Member Richard Clark (address above) is looking for the December 1976, January 1977 and February 1977 VUDs. If you care to part with your copies, write to Richard and let him know how much you want for them.

From James J. Wallace (3786 Quince Drive, Apt. E, Columbus, OH 43228) we learn that the sale of WSVX London OH has been approved by the FCC. The buyer is King's Garden, Inc., owner of WVIC Edmunds WA, so he figures the format will soon be like KRIQ's. Jim is news director at WSVX.

The latest edition of the Director of ANARC Club Publications and Services is out. It's an excellent piece of work by ANARC Public Relations Committee chairman Jeff White. For a copy, send 50¢ to ANARC, 557 N. Madison, Pasadena, CA 91101.

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

# PHOTO-NEWS

Jim Alexander  
4 Brock Court  
Farsippany, NJ 07054

March, 1979

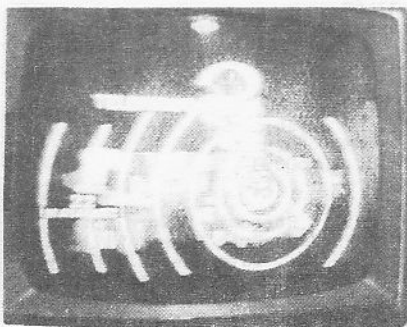
This month: TV from Puerto Rico, 445 mile tropo, and more...



WTAJ-10 Altoona, PA  
270 mile tropo (Gaines)



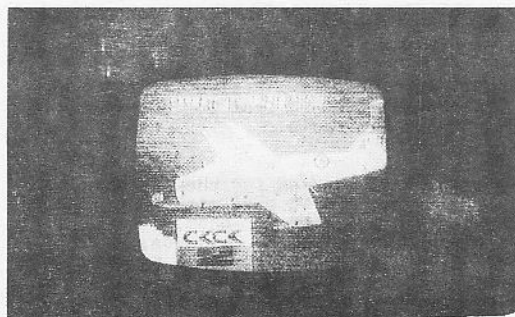
KBTX- 3 Bryan, TX  
E-skip (Combs)



WKAQ- 2 San Juan, Puerto Rico  
E-skip (Simon)



WTAF-29 Philadelphia, PA  
445 mile tropo (Gaines)



CKCK- 2 Regina, SK  
E-skip (Pizzi)

#### Contributors:

Paul Gaines,  
Detroit MI

John Combs,  
Orlando FL

Ken Simon, (photo taken at  
West Palm Beach FL)

Jim Pizzi,  
Orcutt CA

73 and good DX,

*Jim*

# HOME-BREW YAGI & UHF ANTENNAS

by Wayne Thompson

## PART 1: THREE-ELEMENT E-SKIP YAGI

After a particularly poor 1978 E-skip season drew to a close, I pondered the question could I have had a slight edge in reception had I utilized a "cut-for-channel" antenna. I realized one of these "specialized" antennas would give increased gain on the channel for which it was cut; but in this day and age of multi-channel, commercial high-gain antennas, how would a simple "home-brew" design stand up to my store-bought model as far as reception was concerned? I decided to find out and later that year designed a simple, no frills antenna to experiment with. Finding a suitable receiver posed no problem: my Zenith HO-92X made an ideal test receiver as it was only being utilized for local reception using the built-in mono-pole antenna. Conversely, I could also view both my Quasar (with it's commercial antenna) and Zenith sets simultaneously on same channels and compare the results.

The antenna I constructed is a current fed, half-wave, three-element Yagi-Uda design. Since we were looking toward distant reception, I decided on a fairly clear channel for our locale; in my case being channel 3, and designed the antenna accordingly. Fortunately, this is a good choice as maximum energy will be received at that fundamental frequency for which the antenna was tuned for, plus harmonically related frequencies such as the third. For example, my channel 3 antenna (60 to 66 Mhz) has good characteristics on that channel, plus three times that band, or from (3 X 60) 180 Mhz to (3 X 66) 198 Mhz. From this we can infer that our channel 3 antenna will perform equally well on channels 8 to 10; so in effect, what we have here is a potential E-skip and Tropo design actually built into one. I also wanted slightly increased wide-band response on the lower end for our local channels so the decision was made to deliberately mis-match the antenna to the transmission line, however, with a slight loss in over-all gain.

Unfortunately, when designing a Yagi antenna you can't have everything, so one designed for maximum F/B ratio will have reduced gain and an antenna for maximum gain will have reduced F/B ratio. Our design is a compromise with a fair F/B ratio of around 20 dB, and utilizing a maximum gain of about 6½ to 7 dB over a half-wave dipole. To achieve this I used a spacing of .15 wave-length between the reflector and receiving element, and .10 wave-length between the receiving element and director. This combination is just about on the lower fringe for optimum spacing of the elements. In actuality, the above value should be around 8 dB gain, but is lower due to the mis-matched antenna/transmission line combination as mentioned above. And, when an antenna and transmission line are mis-matched, standing-waves will be present, resulting in "ghost" images on the screen. Since our design has no matching devices, some reflections may be seen. However, through practical use these have proven very faint and not troublesome in nature.

Construction of the antenna is quite unique. This is due to the fact that I utilized thin-walled, steel "cafe" rods for the elements. These are used in homes to hang "sheer" curtains and can be found almost in any hardware or chain-store. After finalizing the design, I checked with the local hardware stores and found the price of aluminum tubing way beyond our price range. The going cost (for our area) was \$1/ft., and only in 30-foot lengths at the required diameter. I found the above substitute which works equally well and satisfies the requirement of being a nominal 3/8-inch diameter (a good length/diameter ratio), the same as regular commercial-built antennas. I utilized a "cafe" rod which they call a "48-34"; this being a normal 48" length with a slightly smaller, sliding extension to 84-inches.

## HOME-BREW VHF & UHF ANTENNAS

Acquiring the boom may pose a problem, but if one can secure an old Yagi TV antenna, it will probably be the required length of a least 50-inches. A wooden boom could be used, but keep in mind the weight factor and the mass at the top of the pole. As a suggestion, two  $3/4$ " X  $1\ 1/2$ " strips of the required length could be glued together to form a solid boom  $1\ 1/2$ -inch in over-all width and height. If properly weather-proofed, this unit should prove to be quite satisfactory. Initially, I used a  $5/4$ -inch length of  $1\ 1/4$ " O.D., thick-walled aluminum pipe, but changed to a 1" square boom when the antenna was brought down for modifications.

Layout and construction of the 3-element Yagi is fairly simple; study the drawings for the over-all dimensions and element mounting details. A center-line is first drawn the length of the boom and then the element spacings marked off. Three element mounting plates are required (Fig. 1); two of aluminum (for reflector and director) and one of plexiglass (or other rigid, non-conducting material) for the antenna proper. Arrangement of the elements at right angles (as seen from the top) to the boom is of importance so alignment of the mounting plates require some care. A small hole can be drilled in the exact center of the mounting plate for positioning over the element spacing lines.

For the center sections of the reflector and director (Fig. 2), I used the 48-inch portion of the "cafe" rod cut to 44-inches. These in turn were centered on the boom and attached to the mounting plates. Then, it was a simple procedure to insert the sliding sections in either end about 6" and secure them with small, self-tapping screws, then cutting the required element dimensions. To secure the element length accurately, measure from the center of the boom to either side, using half the total element length. The antenna proper (or receiving element), as shown in Fig. 3, is mounted with a 1-inch gap; when cutting the antenna make sure the measurement is taken from the center of the boom, regardless of the spacing. When the lead-in is attached to the widely spaced terminals, the fanned portion becomes part of the antenna proper, acting to close the gap to the width of the transmission line. After cutting the elements to the proper length, crimp the ends. This will eliminate the "pipe organ" effect when wind passes the end of an open tube. The length of the receiving element is fairly critical if we want the system as a whole to perform properly. However, if I were to err, it would be longer on the reflector element and shorter on the director. This mismatch in element lengths would only result in a slight increase to the F/B ratio. Figure 4 illustrates the over-all element lengths (and half-lengths) and the required spacings. After all of the elements are mounted to the boom, use your hand to find the center of gravity of the unit and drill holes for the "U"-bolt which will clamp the assembly to the mast.

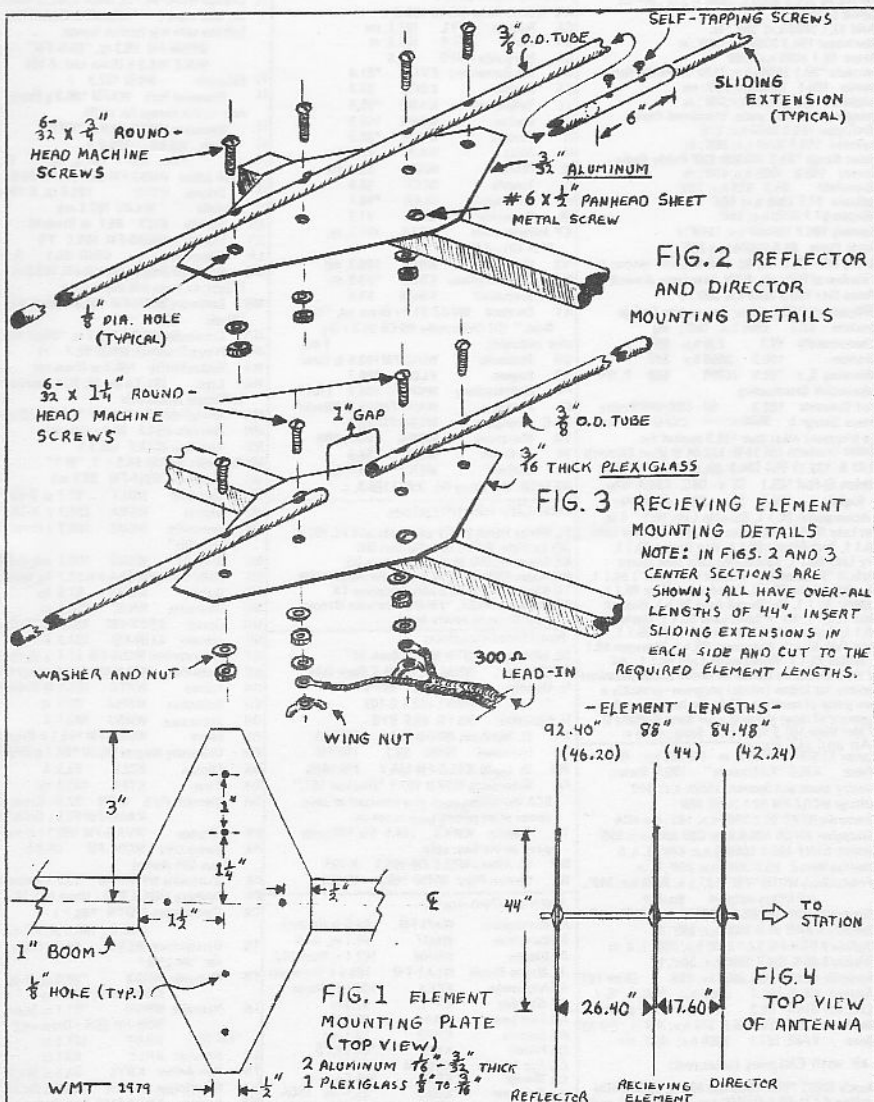
After assembly is completed, the elements must be weather-proofed. The coating on the cafe rods was clearly not intended for outdoor use, and rusting showed on the prototype within a couple of weeks. The antenna was then brought down and after a teardown/clean-up job, I re-assembled the unit and used a clear, acrylic spray on the elements. I figured the application of the plastic coating would affect the velocity factor of the elements, however no variation in reception was noted at all. After installing the unit on the mast, also apply a coating where the transmission line attaches to the receiving element. This simple application will save a few problems if the antenna is to be up for some length of time.

After using this "home-brew" for a few months, the conviction "the bigger, the better" was confirmed. Utilizing this simple, cut-for-channel antenna (with no pre-amplification), performance was not only increased on that channel (as compared to my commercial-bought model), but showed good gain on our "locale" (WESH-2, WDBO-6 and WFTV-9), which average 75-miles distant. A few comparison tests were made on particularly poor reception days on WSAV-3 in Georgia (over 200 miles distant). The "home-brew" consistently out-performed the store-bought model, both in audio and video, even though the latter is at a greater height. Even though the prototype is located only 22-ft. from the ground, in a high clutter area (trees), I have had good Tropo catches of over 500 miles (WTVB-11, NC) and during December pulled in KMTV-3, Nebraska (1,150 miles) for half an hour via E-skip.

Although the major E-skip season is a few months off, the design has very good potential in this region. However, it must be remembered that

# HOME-BREW VHF & UHF ANTENNAS

since the system (as a whole) was designed for channel groupings of 2 to 4 and 8 to 10, consequentially other channels will have reduced gain. And, a Yagi antenna will only perform at it's potential if built exactly to design criteria (concerning especially the length of the receiving element). If properly constructed, maintained and mounted out of clutter, this design should prove to be a good asset to DX'ing the E-skip and Tropo bands within the coming months.





# FM NEWS

Bruce F. Elyng, Editor  
18 1/2 East Fifth Street  
Duluth, MN 55805

## New Stations Granted

AL Hayvilleville 92.7 3000 h.v; 240'; r  
 AL Huntsville WAED \*98.9 6980; 742'; U of Al-H.  
 AK Fairbanks 101.1 25000 h.v; 41'; Stereo, m.  
 CA Adverton \*88.9 10 w. Menlo Adverton High Sch.  
 CA Dakota (37-46-03; 120-28-33) 50000; 480'; m, g, 95.1  
 FL Melbourne 106.3 3000 h, 2950 v, 212'; gc-1st Baptist Church  
 GA Adel 92.1 3000 h.v; 300'; r, k  
 GA Blackhear 104.9 3000 h.v; 300'; m  
 GA Wrens 96.7 1000 h.v; 500'  
 HI Honolulu \*88.1 26600 h.v; 2120' HI Public Radio  
 ID Payette 100.1 3000 h.v; 300'; rm  
 IL Hoopston 100.9 3000 h.v, 300'; m  
 IL Springfield \*89.9 10 wests. Vocational Center  
 IL Wilmington 105.5 3000 h.v; 270'  
 KY Lebanon 100.9 3000 h.v; 280'; kg  
 LA Baton Rouge \*89.3 100000; 850' Public Radio  
 ME Brewer 100.9 1000 h.v; 480'; rk  
 MA Greenfield 95.3 315 h.v; 780'  
 MI Kalamazoo 97.7 1000 h.v; 500'  
 MO Wessau 97.7 3000 h.v; 240'  
 NE Kearney 105.9 100000 h.v; 1010'; r  
 NE North Platte 94.6 63000 h.v; 205'  
 NJ Cherry Hill \*88.1 10; Bd. of Education- station to be in shadow of Phila. ch. 6 TV, how comes allowed?  
 OK Ponca City 100.9 3000 h.v; 300'; k  
 PA Williamsport \*88.1 10 w; Community College  
 TX Bonham 98.3 3000 h.v; 300'; mg  
 VA Charlottesville 92.7 220 h.v; 900' p  
 WV Grafton 100.9 3000 h.v; 300' r  
 WV Wheeling \$, c \*88.9 25000 500 P, WV Educational Broadcasting  
 BC Port Clements 102.9 90 -CBC-CFPR relay  
 BC Prince George k 3500 w r-c-b-c KCPG-but must find a frequency other than 101.3 applied for.  
 BC Queen Charlotte (53.18 N; 132.04 W [Port Clements is 53.41 N; 132.11 W]) 104.9 90; CBC -CFPR relay  
 PQ Riviere St-Paul 103.1 35 w -CBC -CBGA relay English 104.9 36 w -CBC -CBM relay  
 Ont. Attawapiskat 90.1 1, Beerskin Lake 90.1 1 w, Cat Lake 90.1, Constance Lake 90.1 1, Deer Lake 90.1 1, Fort Albany 90.1 1, Fort Severn 90.1 1, Fry Lake 90.1 1, Kasabonika Lake (one source spells it "Kasabonika," without the "Lake") 90.1 1, Kingfisher Lake 90.1 1, Lansdowne House 90.1 1, Longlake 90.1 1, MacDowell Lake 90.1 1, Muskrat Dam 105.1 1, North Spirit Lake 90.1 1, Opoki 98.1 1, Poplar Hill 90.1 1, Sachigo Lake 90.1 1, Slate Falls 90.1 1, Weagamung 90.1 1, Webecouie 90.1 1, Winisk 90.1 1, Wunnumin Lake 90.1 1. All of these owned by We-Wa-Ta Native Communications Society, for Indian (ethnic) programs-probably a new group of nonDers. Have fun looking up the locations of those places in your Rand McNally's!  
 ON Air and 6 Radio  
 CD Lamar KLMR-FM 93.5 \$, m 100000 h.v; 480'  
 CO Yuma KJCO "KJ-Country" 100.9, Stereo, country music and Spanish. 25000 h.v; 340' Carthage WCAZ-FM 92.1 3000; 300'  
 KS Concordia KCKS 95.3 3000 h.v; 640'; has SCA  
 KS Hoisington KHOK 100.9 \$, m CBS 3000 h.v; 300'  
 KS Oberlin KFNF 101.1 100000 h.v; 420'; \$, k, S  
 ME Machias WALZ 95.3 3000 h.v; 220'; \$, m  
 MD Federalburg WCTD "FM" 107.1 k, 2300 h.v; 340'; call letters assigned. Stereo?  
 MD Grasonville WAQA 103.1 r; 3000 h.v; 300' Stereo?  
 MO Bethany KAAW 95.9 3000 h.v; 300'; c  
 NE Ogallala KOGA-FM 92.7 3000 h.v; 300'; 1, \$, m  
 OK Bristow KREK 104.9 3000 h.v; 300'; k  
 OK Seminole KSLE 105.5 3000 h.v; 295' [Kick-102  
 OR Ashland KICR 101.7 3000 h.v; 310'; r, "K-1"  
 OR Coos Bay KICR 98.3 440 h.v; 610'; g, mono.  
 PA Mechanicsburg WQVE 93.5 340 h.v; 760'; r, "QV-93  
 UT Orean KABE 107.1 3000 h.v; 920'; mr

On air with Chagnes (selected)

IN Muncie WBST \*92.1 3000 h.v; 300'; c, p, S, Dolby  
 IA Le Mars KZZL 99.5 100000 h.v; 790'; \$, m, U, and  
 music [not Muzak] SCA.

## Deletion

VA Suffolk 106.9, returned to applications file; in hearing with another applica-.

## Stereo (5)

AK Anchorage KHVN 100.5; commercial g  
 AR Salem KSAR 95.9, k  
 AR Walnut Ridge KCAC 106.3, r  
 CA Auburn KHYL 101.1, rm  
 CA Davis KYZR - 105.5; rk  
 CA Marysville KRFO 99.9  
 CA San Bernardino KVCR \*91.9  
 CA Shafter KOEJ \*97.7  
 FL Tallahassee WAMF \*90.5  
 IL Benton WQRX 106.3  
 IL Chicago WHPK \*88.3  
 IL Joliet WAJP 93.5  
 IL Olney WSEI 92.9, rm  
 IL Tuscalo WITT 93.5  
 IN Indianapolis WIAN \*90.1  
 IN Rensselaer WJCK \*97.7  
 KY Jeffersontown WZZX 101.7, rp.  
 "FM-101-ZZX."  
 MS Clarksdale WAID 106.3, mg  
 MO Cape Girardeau KRCU \*90.9, pc  
 NE Scottsbluff KMOR 92.9  
 NY Cortland WNOZ 99.9 r (from m), "The Nose." OH Chillicothe WFCB 94.3 r (kg after midnight).  
 OH Zanesville WHIZ-FM 102.5 (was) /mp.  
 OR Eugene KLCC \*88.7  
 PA Hollidaysburg WHPA 104.9 [101"]  
 SC Anderson WAIM-FM101.1, "Rock"/  
 TN C Covington WKBL-FM 93.5  
 VA Warrenton WGRA 94.3, CBS  
 WI La Crosse WLSU \*88.9  
 WI Madison WORT \*88.7, jp  
 MEXICO, Monterrey NL XHPJ 106.9, c.

## Dual-City Identifications

FL Winter Haven WFLB adds Lakeland FL (97.5)  
 MD La Plata WXTR adds Waldorf MD  
 NE Seward KSRD 96.9 adds Lincoln NE  
 NM Aztec KWYK-FM 94.9 adds Farmington NM  
 TX Kilgore KKTG 95.9 adds Longview TX  
 WI Marinette WLST, "FM-95," includes Menomonee MI on its hourly break.

## Non-Identifications

DE Wilmington WSTW 93.7, "Rock-94"  
 IL Chicago WDAI 94.7, "94.7 Disco DAI"  
 IL Danville WIAI 99.1 99-FM  
 WDNL 102.1 D-102  
 IL Kankakee WBYG 99.9 BYG  
 KY St. Matthews WNUU 103.1 FM-103  
 MI Ironwood WIMI 99.7 100-FM  
 MN St. Cloud KCLD-FM 104.7 FM-104?/  
 PA Greensburg WOKU 107.1 "Woo-koo 107," SCA has talking book plus simulcast of main carrier when talking book is not on.  
 TN Gallatin WWKX 104.5 Kix-104; calls given on the hour only.  
 WV St. Albans WKLC-FM 105.1 K-105  
 WI Stevens Point WWSF \*89.9 90-FM

## Formats/Networks

AL Birmingham WAPI-FM 94.5 m (from r)  
 AL Carrollton WAQT 94.1 rp, Q-94  
 AL Decatur WDRM 102.1 r, Rock-102  
 AL Muscle Shoals WLAY-FM 105.5 r (from mr)  
 AK Anchorage KSKA \*103.1 P; Stereo  
 AZ Glendale KXTC 92.3 rs  
 AR Fort Smith KMAG 99.1 Y  
 AR Osceola KHFO 98.1 mg  
 CA Fresno KVPR 98.3 c; \$  
 CA Los Angeles KIIS-FM 102.7 rs  
 CA Moraga KSMC \*86.5 r  
 CA Patterson KOSD 93.1 m [SCA.  
 CA San Diego KBST 94.9 rm (from g; r; p; r)  
 CA San Francisco KCBS-FM 97.3 rs, "97-K."

CA San Francisco KIOI 101.1 rs  
 CA Santa Monica KICRW \*89.9 rj; mono.  
 DE Georgetown WSEA 93.6 p (not r); FM-94  
 GA Savannah WZAT 102.1 A (from U)  
 IL Anna WRAJ-FM 92.7 rm  
 IL Chicago WDAI 94.7 rs, Disco 2300 to dawn, but later report received indicated it is fulltime with this faddish format.  
 WBBM-FM 96.3 rp, "BBM-FM"  
 WJEZ 104.3 k (from km); J-104  
 IL Eldorado WKSI 102.3 r  
 IL Elmwood Park WXFEM 105.9 g (from cejp- is this change for real?)  
 IL Kankakee WBYG 99.9 p, "BYG"  
 IL Pana WKXX 100.9 k  
 IL Plano WSPY 107.1, m, \$  
 IL Rock Island WHBF-FM 98.9 m, FM-98-9  
 IL Urbana WBIO 103.9 rp, K-104  
 IL Vandalia WKRV 107.1 mk  
 KS Wichita KICT 95.1 rp (from k)  
 KY Liberty WKDO-FM 105.5 YE  
 LA Alexandria KQID 93.1 A  
 MD Braddock Heights WZYQ-FM 103.9 rs (disc); no more AM duplication.  
 MD Baltimore WITM-FM 104.3 r (from m); "Music 104."  
 MD Catonsville WKTK 105.7 rs, "Disco 105"  
 MD Prince Frederick WMYS 92.7 rk  
 MA Boston WHUE 100.7 m (from ga)  
 MA Lynn 101.7 e, n; SCA goes out to Chinese restaurants  
 MA Springfield WAGY 102.1 rs, Disco  
 MN Mankato KEEZ 99.1 r (was m)  
 MS Aberdeen WHAY 105.5 k  
 MS Batesville WWUN 95.9 r, Y, "W-1"  
 MS Booneville WBIF-FM 99.3 mk  
 MS Cleveland WDLT 102.7 p, D-93  
 MS Eupora WEXA 91.7 r, X-102  
 MS Greenville WDSM 100.7 r (from k), "Studio 101"  
 MS Grenada WQXB 100.1 mk, B-100  
 MS Holly Springs WKRA-FM 92.7 ks, mono  
 MS Oxford WOOD 97.5 kp  
 MS Senatobia WNJC \*90.1 rp  
 MO Dexter KODEX-FM 102.3 r, "K-Dex"  
 MN LINN KLIN-FM 97.3 C  
 NE Amersfoort WCSS-FM 107.7 k (from r)  
 NC Gastonia WX WZZX 101.9 r (not rm)  
 OH Athens WXTQ 105.5 M (from I)  
 OH Columbus WRMZ 99.7 rs  
 OH Johnston WWJY 103.1 k  
 OH Salem WSOB-FM 105.1 k (from m)  
 OH Union Heights WUJC \*88.7 p (from j)  
 OH Clinton KCLI 95.3 k  
 OK Tulsa KFTX 103.3 rp  
 OK Klamath KFSJ 92.5 r (from m)  
 KAGO-FM 98.5 r (from k)  
 PA Altoona WVAM-FM 100.1 r (from k)  
 PA Carbonade WCLD-FM 94.3 E (from UPI Audio)  
 PA Sharpshills WFAF-FM 95.9 r (from cm)  
 PA Sully WQXX 94.1 r (from r), 94-KX  
 TN Chattanooga WDNV \*88.7 i  
 WKZ 106.5 rp, KZ-106  
 TN Germantown WLVS 94.1 r, X-88  
 TN "94-LVS."  
 TN Memphis WQOX \*88.5 r, X-88  
 KWAM-FM 101.1 sg  
 TN Nashville WRVU \*91.1 r, X-(p-r)  
 WSM-FM 95.5 r (from r);  
 "SM-95." WKDF 103.3 rp  
 TX Houston KRLY 93.7 rs  
 TX Port Arthur KHYS 99.5 rs, X-(p)  
 VA Woodbridge WXRA 106.9 E (no M)  
 WA Seattle KRAB \*107.7 gravitating to c; dropping e [still Spanish on SCA]



FCC-FM

WI Hartford WTKM-FM 104.9 k (from m)  
 WI Milwaukee WFRM 96.5 cj  
 WNUW 99.1 rs (from m);  
 "Disco 99.1" (Mutual)  
 WI Rice Lake WJMC-FM 96.3 k (from m; no/)  
 AT Calgary CJAY 92.1 r, includes  
 "CJAY"-FM:1.95.1 Banff as r, but possibly not \$.  
 ON London CPFL-FM 95.9 r (from rk)  
 SCA (67 kHz) Activity or nonactivity  
 CA El Cajon KECR 93.3 no SCA  
 CA San Diego KFSD 94.1 no SCA  
 KSON-FM 97.3 no SCA  
 KEZL 102.9 music  
 KITT 105.3 no SCA; no \$  
 KPRI 106.5 no SCA  
 FL Bradenton WDUV 103.3 music  
 FL Miami WMCU \*89.7 no SCA  
 WLRN-FM \*91.3 no SCA  
 WJOK 107.5 PRN (Q)  
 ME Bangor WMEH \*80.9 no SCA  
 WPBC 92.9 no SCA  
 ME Bath WIGY 105.9 no SCA  
 ME Portland WMEA \*90.1 no SCA  
 MD Baltimore WRBS 95.1 music  
 MA Amherst WFCR \*88.5 no SCA (book  
 MA Marshfield WATD 95.9 music, talking /  
 MA West Yarmouth WSOX 94.9 no SCA (was music)  
 MA Worcester WICN \*90.5 no SCA  
 MI Ironwood WMI 99.7 no SCA—sports relay  
 inactive for over a year.

NC Raleigh WDRR 94.7 1130' (100000 h/v)  
 OH Xenia WDXJ 103.9 300' (3000 h,v)  
 OR Lebanon KIQY 103.7 53000 h,v; 380'  
 OR Medford KBOY-FM 95.3 3000 (h,v); 360'  
 TN Red Bank WSIM 94.3 300' (3000 h,v)  
 TX Bryan KORA 98.3 3000 h,v; 245'  
 TX Lubbock KXTX \*88.1 410' (18500 h,v)  
 UT Orem KOHS (from 91.5 to \*91.7 1740);  
 -820'; stereophonic operation.  
 UT Provo KRMQ 94.9 50000 h,v; 2730'  
 VA Norfolk WNSB \*91.1 155' (960 h,v)  
 VA Staunton WSGM 93.5 2350 h,v (350'a)  
 WV Fort Gay WFGH \*90.7 to \*89.3  
 WI Brule WUSA \*88.9 adds Dolby  
 WI Suring WRVM 102.7 adds vertical  
 WI Casper KAWY 94.5 83000 h,v (1910')  
 BC Dawson Creek CBKQ 93.7 1100 h,v  
 PQ Quebec CKRL-"MF" \*89.1 1430 h,v

Abbreviations

c classical, e ethnic, g gospel, j jazz, k country,  
 L Latin (Spanish), m is middle of the road or  
 easy-listening music, n all news, p progressive  
 rock, r rock hits, oldies or easy rock, s soul  
 (but not disco), t all talk. So-called album-  
 oriented rock is rp or pr; disco is rs or sr. A is  
 ABC-FM, C CBS, E ABC Entertainment, I is  
 ABC Information, M Mutual, N NBC, P  
 National Public Radio, S Associated Press  
 Audio, U United Press Audio, Y ABC Con-  
 temporary, Z Mutual Black Network.

SCA symbols: m is music, Q Physicians Radio  
 Network, X is facsimile, audible teletype or  
 telemetry chips or tones.  
 Of course, FM stands for frequency modulation-  
 i.e., AM amplitude modulation, SCA is Sub-  
 sidiary Communications Authorization, \$ is  
 stereo, v vertical polarization, h is horizontal  
 polarization. Powers given are effective  
 radiated and expressed in watts (not kw).

MN Minneapolis WCCO-FM 102.9 no SCA (x-x)  
 NH Durham WUNH \*91.3 no SCA  
 NY Buffalo WBUF 92.9 no SCA  
 NC Jacksonville WRCM 92.1 music  
 ND Bismarck KYYY-FM 92.9 farm news  
 PA Pittsburgh KDKA-FM 92.9 tm (has  
 KDKA-AM on all times—sports relay)  
 SC North Myrtle Beach WNNB 105.5 music

Facilities' Changes

AL Montgomery WLWI 92.3 98000 h,v; 500'  
 AK Ketchikan KRBD \*105.9 7000 h,v; 420'  
 AR Dardanelle KWKK 102.3 adds v  
 CT Danbury WXCI \*91.7 760 h,v; 205'  
 FL Tampa WMNF \*88.5 70000 (h); 520'  
 GA Cochran WVMG-FM 96.7 3000 h,v; 300'  
 HI Honolulu KPIG 93.9-420' (72000 h,v)  
 IL Galesburg WGBQ 92.7 1950 h,v; 370'  
 IN Evansville WVHI 105.3 50000 h,v; 13000 v;  
 480 feet above the average surrounding terrain.  
 IN Franklin WFCI \*89.3 to \*89.5 4000 h,v; 820'  
 IN Indianapolis WNAP 93.1 5000 h,v; 1020';  
 reduces coverage.  
 IA Fort Dodge KTGA 92.1 3000 h,v; 290'  
 KY Ashland WAMX 93.7 31000 h,v; 400'  
 ME Presque Isle WTMS 96.1 1310' (100000 h,v)  
 MA North Adams WJJW \*91.1 420 (h)-830'  
 MA Springfield WHY-FM 93.1 8900 h,v; 1000'  
 MI Charlotte WCER-FM 92.7 3000 h,v; 300'  
 MI East Lansing WVIC-FM 94.9 49000 h,v directional  
 1500', probably protecting WJMC 94.7  
 Birmingham MI.  
 MI Plymouth WSDP \*88.1 adds vertical  
 NY Reno KGLR 105.7 30000 (h); 270'  
 NJ Lincoln WBJB \*90.5 105' (2250 h,v)  
 NJ Paterson WPAV-FM 93.1 3600 h,v; 1420'  
 (WPAV-FM's studios are in Clifton NJ; trans-  
 mitter in New York city)  
 NY Newburgh WFMN 103.1 275'; no SCA

Call Letters Assigned or Changed

AL Athens 104.3 WZYP (from WJOP) [/99  
 AL Birmingham 99.5 WRKK (WVOK-FM), p, K-  
 AL Montgomery 98.9 WBAM-FM (WFMI)  
 AZ Benson 97.7 KAVV  
 AZ Tucson 99.5 KNDE (KFMM)  
 AZ Yuma 95.1 KTTI (KALJ)  
 AR Little Rock 94.1 KLPQ (KEZQ); KQ-94  
 CA Fowler 96.7 KTED  
 CA Manteca 96.7 KQKK ON AIR as "Quick,"  
 rk (not Spanish as originally listed for them),  
 3000 h,v; 300 feet.  
 CA Riverside 92.7 KHNY"-FM" (KHNY-FM)  
 CA Victorville 103.1 KVVQ  
 CO Manitow Springs \*88.1 KCME  
 DE Wilmington 99.5 WJBR-FM (WJBR)  
 FL Gainesville \*89.1 WUFT-FM  
 FL Milton \*88.1 WUWF  
 GA Brunswick 101.5 WPIQ (WYNR"-FM")  
 GA McRae 95.3 WDAX-FM  
 ID Burley 98.3 KMVC (KSAX)  
 ID Coeur D'Alene 103.1 KIOB  
 ID Rupert 92.1 KNAQ.  
 IL Alton 100.3 WZEN (WOKZ-FM) now r  
 (was mc); \$ to be added. "FM-100" and "Zen  
 100," but not a true nonIDer.  
 IL East Moline 101.3 WZZC (WEMO); k (was mr)  
 IL Pekin \$ 95.3 WGLQ (WSIV-FM); still m  
 IN Evansville \*88.2 WWIN-FM  
 IN Greencastle 94.3 WJNZ (WXTA)  
 IN Greenfield 99.5 WWMF (WSMJ)  
 IA Carroll 93.7 KRRL (KCMFM), p, not rp  
 IA Dubuque 102.3 KLXL  
 IA Red Jaj Oak 95.3 KOAK-FM  
 KS Garden City \*91.1 KANZ

KY Grayson 102.3 WUGO (WGOH-FM)  
 LA New Orleans \*88.3 WRBH  
 MA Medford-Boston 107.9 WKXS-FM (from  
 WWEL-FM), rs, disco; "Kiss."  
 MA Sudbury \*98.1 WYAJ  
 MI Mount Clemens 102.7 WLBS (WBRB-FM—  
 still E2-1037)  
 MI Ontonagon \*86.5 WOAS  
 MS New Albany 103.5 WKOK"-FM" (WNAU-  
 FM); k, "OK-Country."  
 MO Gordonville 99.3 KJAO"-FM" \$, r, ON  
 AIR with 3000 h,v; 300 feet.  
 MO Lebanon 102.1 KLTW-FM  
 MT Billings 98.5 KIDX (KBMS)  
 MT Dillon 98.3 KDLN (KDBM-FM)  
 NE Aurora 103.1 KIAE  
 NE Norfolk 94.7 KNEN  
 NE North Platte 97.1 KELN  
 NJ Ocean City 106.3 WSLT (WSLT-FM)  
 NM Portales \*89.5 KENW-FM (not KENW;  
 there is a KENW[TV] that was established  
 before KENW-FM).  
 NY Buffalo 96.1 WJYE (WBNY); still m  
 NY Glens Falls 107.1 WNIQ"-FM" (WBZA-FM)  
 NY Gouverneur 92.7 WIGS-FM (WLUF)  
 NY Richmond [Staten Island] \*88.9 WWSA  
 NC Wilmington 100.9 WQQO (WEMA); r (x-k)  
 ND Williston 96.1 KLAN  
 OH Bellefontaine 98.3 WTDQ-FM (never  
 changed back to WQGM); nonID: Stereo  
 Too-88.  
 OH Clyde 100.9 WNEK  
 OH Miami 100.9 KXRS (KGLC-FM)  
 OK Sulphur 100.9 KSDW  
 PA Saegertown 94.3 WYSS  
 TN Cleveland 98.3 WONE  
 TX Borger 104.3 KDKK (KBBB-FM)  
 TX Perryton 95.9 KEYE-FM  
 TX Portland 105.5 KWVI  
 UT Wanti 105.1 KMUX  
 UT Ogden 97.9 KZAN  
 UT Drem 107.1 KABE (KORM)  
 VA-TN Bristol 96.9 WXBQ (WPHG-FM), and  
 I'm changing the listing for this facility back to  
 the state of Tennessee.)  
 WV Morgantown \*90.9 WVPFM  
 WI Appleton 105.7 WAPL"-FM" (WAPL-FM;  
 AM affiliate has new call letters)  
 WI Shawano 99.3 WOVW (WTCH-FM)  
 WI Two Rivers \$ 102.3 WQTC"-FM" (WQTC-FM)  
 PR Bayamon 94.7 WSSX (WEYA)  
 PR Levittown \*88.9 WJDZ  
 PR Ponce 93.3 WDOI (WPAB-FM)  
 PR San Juan 93.7 WZNT (WSRA)  
 BC Burns Lake 99.1 CBRS"-FM" (CBRS-FM;  
 AM affiliate deleted)  
 BC Houston 102.1 CBUR"-FM" (CBUR-FM  
 deletion of AM adjunct)  
 BC Smithers 97.6 CBRS"-FM" (CBRS-FM,  
 AM affiliate succumbed). FM to replace  
 AMT Maybe in the interior of British Colum-  
 bia is the beginning of a trend to take AM  
 stations off the air when FM can provide  
 better coverage and service!  
 ON London 100.5 CBBL"-FM"  
 ON Sudbury 98.1 CBON"-FM" (from  
 CBSJ"-FM")  
 PQ Camp LG4 100.1 CHLG-1 (from CHLG-  
 8)  
 \* \* \* \* \*  
 \* Thankful that you don't have to strain to  
 read this type now? A new 10-point type  
 has largely replaced this 7-point style for  
 station data listings.  
 \* \* \* \* \*

READERS' REPORTS AND FM NEWS

The January, 1979, *Audio* has some excellent articles on FM. There's a continuation of a rather dull antenna article that some of you may find useful, but more interesting is one entitled "SCA and Stereo FM" that discusses how technically the two services can exist on the same station without any interference to stereo listening. Even more interesting for DXers is an article on FM tuner filters by Richard Modafferri, designer of the McIntosh MR-78, who says

Adjacent-channel reception was believed impossible when the FCC developed its technical standards on FM broadcasting. Today these standards have not been revised to keep up with the advances in receiver design. When surface-wave integratable filters become available in the near future, anyone will be able to present an inexpensive FM receiver with any amount of selectivity. Plastic portable radios with 100-dB adjacent-channel selectivity should cost no more than market-day sets.

And as small, but knowledgeable publication, *The Sensible Sound*, has in its Winter 1979 issue an article by Mr. Modafferi (I assume the same man, but spelled differently in the two publications). He says tuners should be designed for MAXIMUM STATIONS. "This is so obvious it almost sounds silly. Of course, you say, an FM tuner should be able to 'get' stations. . . ." He goes on to explain how tuners differ drastically in their selectivity and their local station overload rejection abilities, and finds the current crop of Japanese tuners especially deficient in these regards. Although his discussion does not mention DXing as such he does say that tuners are not generally designed for extreme reception conditions, which of course is the essence of DX. In the process of installing an SCA, I did have the chance to compare a new Pioneer SX-650 receiver with my decade-old Fisher 500TX. The Fisher has better selectivity, but the Pioneer had far better crossmodulation rejection (despite published specs to the contrary) and better audio. I mention this because I know other DXers such as Larry Vogt and Russ Brown have the Fisher 500TX in addition to myself.

Other publications I'll mention is Glenn Hauser's newsy, *Review of International Broadcasting*, which includes an article of mine pitched to commercial broadcasters, "There's Gold in Those FM Subcarriers." And Mike Dorner, Jr., in cooperation with the WTFDA has published

The guide lists educational FM stations by frequencies, including stations that once existed and are no more, giving licensees, powers, heights (even heights for 10-watters), and when the defunct stations operated. Of course, it covers all existing EFM stations. I understand its price is \$2.00 from club headquarters.

A station whose operating hours are not in Mike's guide is WRSB \*88.3 Weston MA on Mon.-Fri. 4 pm-10 pm (on at 2 pm Friday); Sat. and Sun. 10 am to 10 pm. WRSB generously claims for anybody a coverage radius of 10 miles. In a list I saw it showed WWWW-FM 102.5 Jasper AL as m; I list as k; could anyone check this out?

Two DXers sent news that WGTB \*90.1, the Georgetown University station in Washington DC, was taken off the air by the licensee. So far the station has not deleted, but it will be off until a transfer of ownership can be arranged to another institution in the area. Also off the air is WBOE \*90.3 Cleveland OH for budget reasons, but Al Ellis says their carrier (unmodulated) remains on the air, which is illegal, unless it's given on the hour. Its SCA active?

With many formerly MOR Milwaukee stations going rock, the audience for WZMF 98.3 Menomonee Falls WI has fallen off considerably. WZMF's signal leaves a lot to be desired in Milwaukee, too.

WRUW \*91.1 Cleveland OH heard editorializing about the FCC and 10-watt college radio. They've been asking listeners to mail in contributions so they can increase power to 1 kw. WCMX 101.7 Fort Wayne now doing some separate programming from WFWR (AM), but still only on the air daytime, as of late December.

Albert Lobel mentions recently receiving the SCA from KFAC-FM 92.3 Los Angeles in the San Diego area, and "the SCA signal was a little stronger than the regular KFAC-FM signal. . . That little SCA adapter . . . [SuperSnooper] works very, very well. I'm very pleased with it. You may quote all or part of this card."

WMIL 106.1 Waukesha WI, currently off the air, may be bought by WOKY (AM) and turned in to a beautiful music station or, more likely, a rocker. The FCC will have to approve such a sale, of course. Years ago WOKY wanted to buy WFMR and turn WFMR from a classical station to a rocker, but a public outcry thwarted the sale.

A metropolitan educational radio consortium (MERC) has been established in the Chicago area to meet the new FCC requirements for educational radio, with a plan to start higher power stations than ten watts at strategic locations that would serve as umbrellas for the stations that remain at 10 watts. How this plan would work I do not know, but the Chicago area has 22 Class D (10-watt) stations. WCVJ \*90.9 Jefferson OH, Agape School, not heard after initial testing, so there is concern that it may never operate.

Lea Price of Wilmington NC finds his new FM SuperSnooper works "just fine," and sent a clipping about the 450-foot tower of WAAV 102.7 falling down during construction; nobody injured. Meanwhile WAAV operates on lower power from its former tower. Losing its tower in a severe storm was WWSE 93.3 Jamestown NY; no indication when WWSE will return to the air—perhaps at first with lower power from another tower site.

Al Ellis points out, as confirmed by a reception report from the station manager, that WEMU \*89.1 Ypsilanti MI has a directional antenna, and he says only the *FM Atlas* lists it that way—not *Broadcasting Yearbook* or Vane Jones. WEMU sends out 16 kw in most directions, but only 515 watts in Al's direction—protecting Windsor, Ontario. Also off the air: WDCX 99.5 Buffalo, with transmitter south of town, in the area devastated by the storm that knocked off WWSE Jamestown NY. It could be a month before WDCX returns. Through unnamed sources, it has been learned that a pirate FM station "89 FM in the Minneapolis-St. Paul area" plans soon to operate with 65 watts. I disagree with the need for a pirate station of this sort, and am sure DXers in the Minneapolis area will also disagree, and will effectively stop the operation (possibly after logging and/or verifying it first!).

In New Hampshire, there is a Public Radio Research Program to help create a full-service public radio station there, most likely at Keene State College. And now Matsushita has an integrated circuit, an AN7001, with almost all the circuitry required for an AM-FM-FM stereo radio; "what next?" muses John Ebeling. New owners are to have taken over WSYX 106.3 London OH, so check that out when it comes in to see if a change in musical format has ensued.

Bob Baker notes regarding sports in stereo (1-79 VUD) that on WTGG (ch. 17 TV Atlanta) cable it was reported that Atlanta Flames hockey games were mentioned as being carried in stereo on WLTA (FM) 99.7.

From the European Broadcasting Union, Brussels, R. Gressmann, director, writes and says that SCA is not used in Europe, but has been experimented with by the BBC and RAI, at both 67 and 41 kHz. They found interference caused to FM stereo receivers. "On the other hand, it may be that receivers which are not specifically designed for the American market would usually contain a filter to suppress the SCA signal," and he points out transmission standards are somewhat different in Europe making SCA not possible on all stations.

A Pittsburgh news article said that KD KA-Fm 92.9 there would soon become "operational." They do appear in the ratings, as a recent article in *Broadcasting* showed. Contributors: P. R. Anderson, Durham CT; R. B. Clark, Parkersburg WV; John Clemmer, Florida IA; Tom Cornell, Greentown IN; Mike Doerner, Jr., Metairie LA; John Ebeling, Bloomington MN; Al Ellis, Brantford, Ont.; Bill Falt, Euclid OH; Bill Fletcher, Anaslaska WI; R. Gressmann, Brussels, Belgium; Dave Grim, Akron OH; S.T. Hancock, N. Canton OH; Harry Hayes, Goulsboro PA; Joel Hermann, Storm Lake IA; Hank Holbrook, Chevy Chase MD; E. H. Igozalo, Appleton WI; J. M. Jefferson, Concord CA; Larry Kenney, Chicago IL; Walter Kowalczyk, N. Huntingdon PA; Mike Laumen, Jackson MS; David Leibald, Blyth, Ont.; Nick Lemonakis, Baltimore MD; A.S. Lobel, San Diego CA; Nick Lombardi, Atlanta GA; Mike McGraw, Lincolnshire IL; G.A. Milson, Lynn MA; Les Price, Wilmington NC; E. G. Saba, Great Falls VA; William Scully, Hudson OH; Steven Shaffer, Hammond IN; Andy Smith, Hyattsville MD; Scott Spalding, Ashland OR; Robert Steadman, Milwaukee WI; R.J. Stainberger, Hudson MA (who sent along a new Boston area FM-AM radio magazine); Ralph Strobel, Muncie IN; H.S. Thompson, Belfast ME; W. Thompson, Buffalo NY; Mark Vleth, Lorain WI; J.J. Wallace, Columbus OH; Tandy Way, Ft. Myers FL; Larry Weil, Acton MA; Ron Wing, Wichita KS; Roger Winsor, Hobart IN; Dr. R. E. Wood, now at Southeast Missouri State University, Cape Girardeau, R. Zent, Huntington IN; and a person whose name I lost but lives in Nelsonville OH.



# TV NEWS

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

March 1979

### NEW STATIONS ON-THE-AIR

WQRF-39 Rockford IL 11-24-78  
KYFC-50- Kansas City MO 12-15-78  
WQTV-68+ Boston MA 12-29-78  
STATION TEMPORARILY OFF-THE-AIR  
WLIW-21 Garden City NY 1-18-79 to 2-17

### CPs GRANTED

Grand Jct. CO, Ch.8-, 158, 2980  
Bemidji MN, Ch. 9 ETV, 316, 1080  
Bismarck ND, Ch. 3 ETV, 100, 1390  
Oklahoma City OK, Ch.43+, 1480, 1200  
Harlingen TX, Ch.60 ETV, 599, 1408

### APPLICATIONS FOR NEW STATIONS

Stockton CA, Ch.64, 1063, 2765  
St. Petersburg FL, Ch.38,1580,560,pay-TV  
Macon GA, Ch.24+, 1280, 802  
Greensboro NC, Ch.48-, 1099, 1695  
Knoxville TN, Ch. 15- ETV, 1270, 1683

### APPLICATIONS AMENDED

W.Chicago IL,Ch.60, cng to Ch.66+,4170kw,  
Location to Joliet IL  
Vineland NJ,Ch.65-,cng to 3606,801,move  
xmtr to Franklin Twp.

Tulsa OK, Ch. 41+, cng to 89,435,move xmtr  
(Satellite Television Systems app.)

### CHANGES GRANTED IN OPERATING STATIONS

KPWR-17 Bakersfield CA to 5000,1400(1150,  
1390)  
WVIT-30 New Britain CT to 3090,1485(4460,  
940)

WCIX-6 Miami FL to 100,1402 (77.6,990)  
WXLT-40 Sarasota FL to 1150,770(1405,720),  
move xmtr approx. 25 mi. NE

KLFY-10 Lafayette LA to 309kw (302)  
KLOE-10 Goodland KS to 923AAT, xmtr to  
approx. 14 mi. NE of present site

WUHQ-41 Battle Creek MI to 2000kw (3100)  
WHTV-24 Meridian MS to 724,610 (282,550),  
move xmtr approx. 2 mi. N.

WITN-7 Washington NC to 1950 AAT (1470)  
KSYS-8 Medford OR to 60.3,2670 (12.9,2603),  
move xmtr approx. 21 mi. NW

WPMY-2 Greensboro NC to 1842 AAT (720),  
move xmtr approx. 13.5 mi. S.

WBTW-13 Florence SC to 1950 AAT (1470)  
and CIRCULAR POLARIZATION

### CHANGES REQUESTED BY OPERATING STATIONS

WESH-2 Daytona Beach FL wants 1649 AAT  
(940), also toying w/idea of circular  
polarization, but as of yet no official  
request to FCC

WTSP-10 Tampa-St.Pete FL wants 1499 AAT  
(500)

KSHO-13 Las Vegas NV wants 316,1099 (204,  
290), move xmtr to 1.5 mi. SSW of  
Henderson.

### PAY-TV GRANT

New Ch. 61 Cleveland OH

### CHANGE IN CALL LETTERS

KSTS-48 San Jose CA (ex-KQMT)  
WGBB-49 Red Lion PA (ex-WEQA;not on air)

### CALL LETTERS ASSIGNED

Albany GA, Ch. 31: WTSG  
Salinas CA, Ch. 56 ETV: KHJF  
Springfield IL, Ch. 55: WBNH

Cleveland OH, Ch. 61: WEEG

### CALL LETTER REQUESTS

KFDW-12 Clovis NM wants KAMC  
New Ch.43 Oklahoma City OK wants KFHC  
CHANGES IN ALLOCATION TABLE (\*=ETV)

Location	Add	Delete
Centerville IA	*31	---
High Point IA	*14	---
Mount Ayr IA	*25	---
Lansing IA	*41	---
Spirit Lake IA	*38	---
St. James MN	32	38
Alexandria LA	25	*41

### PROPOSED CHANGES IN ALLOCATION TABLE

Location	Add	Delete
Royston GA	*22	---
Warm Springs GA	---	*22
Joplin MO	46,52	---
Allen SD	22	---
Brownsville TX	48	23
McAllen TX	23	48

### CHANGES IN NETWORK AFFILIATION

KSTP-5 Minneapolis-St. Paul MN to ABC (ex-NBC)  
KMBC-9 Minneapolis-St. Paul MN to Ind.(ex-ABC)  
WTCN-11 Minneapolis-St. Paul MN to NBC (ex-Ind.)

(Above 3 changes effective 3-5-79)  
WRTV-6 Indianapolis IN to ABC (ex-NBC)  
WTHR-13 Indianapolis IN to NBC (ex-ABC)

(Effective date unknown)

### \*\*\*\*\* TRANSLATOR LICENSES GRANTED

McGrath AK: K02JE  
Alamosa,etc. CO: K61AZ  
Pitkin Co./Woody Creek CO: K13MT  
Cottonwood Creek ID: K09NQ, K11HX  
Preston ID: K65AG, K68AB, K78BF, K80BO  
Grass Range MT: K070Z  
White Sulphur Springs MT: K130P

Tuscarora NV: K13PC  
Fruitland UT: K10KN  
Baker Flats WA: K57BA, K59BF, K61AY  
Cashmere/Monitor WA: K55BN  
Glenwood WA: K070T, K09NV

### TRANSLATOR LICENSES CANCELLED

CoId Foot Pipeline Camp AK: K07ML  
Ganado AZ: K07LH

Beatrice NE: K71BE, K75BC

Wells NV: K06HR, K121Y

Ft. Wingate, etc. NM: K68AC

Gallup NM: K74AZ

Enoch/Iron Co. UT: K76BV

### CONSTRUCTION PERMITS GRANTED FOR NEW XLTRS

Clay Springs and a host of others AZ:  
K03FB (KUAT-6), 10w

Animas/Cotton City NM: K02JK, K07PL (KGMU-9,  
KOLD-13), 10 w each

### CPs GRANTED FOR CHANGES

Mohawk Valley/Welton AZ: K63AV cng stn to

KYEL-13 (former stn unknown)

Buford CO: K08EW add Upper White River to area,  
cng stn to KMGH-7 (was KSL-5)

Lewiston ID: K070A add KLEW-3 to primary KREM-2

Salmon ID: K78CG cng to Ch.65 (K65BC)

Arenas, etc. NM: K02ES delete Arenas,Hurley,

Pinos Altos, and Silver City from area; cng

stn to K0BC-4 (was KTSM-9); reduce power to

10w (from 100w)

CPs GRANTED FOR CHANGES (cont.)

Allentown/Bolivar Relay NY: W59AH All cng  
 Angelica NY: W65AJ stn to  
 Rushford NY: W56AV MXXI-21  
 Scio/Wellsville NY: W56AU (was WNED-17)  
 Whitesville NY: W64AJ  
 Virgin UT: K02AH, K08BO cng stns to KUTV-2,  
 KSL-5 (was KORK-3, KLAS-8)  
 Laurier WA: K08GG, K10GH, K12GM to 10w each  
 Jeffrey City WY: K111W cng stn to KRMA-6  
 (was KDUH-4)

LICENSES GRANTED FOR CHANGES

Atamosa, etc. CO: K79CC to Ch. 59 (K59BG)  
 Upper Divide Creek CO: K10IQ to 5w  
 Long Pine NE: K12JG cng stn to KPRY-4 (was KXON-5)  
 Silver Springs NV: K13KO cng to Ch. 12 (K12LG)  
 Alton/Kane Co. UT: K08FJ, K10FJ, K12HD to  
 Chs. 11,9,13 (K110C, K09IV, K13OR)  
 Centralia/Chehalis WA: K33AP All cng stn to  
 Elma, etc. WA: K72B1 KCPQ-13  
 Longview WA: K07DT (was KTPS-62)

CHANGES REQUESTED BY OPERATING XLTRS

Too NUMEROUS to mention!!!!!!!

APPLICATIONS FOR NEW TRANSLATORS

Talkeetna AK, Ch. 9 (KENI-2), 10w  
 Ganado AZ, Ch. 7 (KOB-4), 10w  
 Litchfield CA, Ch. 10 (KHSL-12), 10w  
 Shoshone/Tecopa Hot Sprgs. CA, Ch. 9,11,13  
 (KORK-3, KLAS-8, KSHO-13), 10w each  
 Divide Creek/Rifle Creek CO, Ch. 12 (KBTV-9),  
 10w  
 Haxton CO, Chs. 49,51,53,55 (KWGN-2, KOA-4,  
 KRMA-6, KBTV-9), 100w each  
 Holyoke CO, Chs. 63,65,67,69 (KWGN-2, KOA-4,  
 KRMA-6, KBTV-9), 100w each

APPLICATIONS FOR NEW XLTRS (cont.)

Idalia/S. Yuma Co. CO: Chs. 46,48,50,52,54  
 (KWGN-2, KOA-4, KRMA-6, KBTV-9, KTVS-3), 100w  
 Julesburg CO, Chs. 31,35,39,41 (KWGN-2, KOA-4,  
 KRMA-6, KBTV-9), 100w each  
 Redstone CO, Ch. 5 (KRMA-6), 10w  
 Wray CO, Chs. 56,58,60,62,64 (KTVS-3, KWGN-2,  
 KOA-4, KRMA-6, KBTV-9), 100w each  
 Yuma CO, Chs. 32,34,36,38 (KWGN-1, KOA-4,  
 KRMA-6, KBTV-9), 100w each  
 Seaford DE, Ch. 64 (WHYY-12), 100w  
 Brownlee ID/Halfway OR, Ch. 9 (KIVI-6), 5w  
 Cawood/Cranks KY, Ch. 66 (WKHA-35), 10w  
 Letcher KY, Ch. 67 (WKHA-35), 10w  
 Frederick MD, Ch. 62 (WAPB-22), 1000w  
 Felch MI, Ch. 9 (WLUK-11), 1w  
 Brainerd MN, Ch. 22 (KSTP-5), 1000w  
 St. James MN, Ch. 38 (KSTP-5), 1000w  
 Willmar MN, Ch. 14 (KSTP-5), 1000w  
 Howard MT, Ch. 12 (KULR-8), 1w  
 Paradise/Plains MT, Ch. 5 (KPAX-8), 10w  
 Redhouse/Valmy NV, Ch. 63,65,69 (KTVB-7,  
 KOLO-8, KTVN-2), 100w each  
 Camas Valley OR, Ch. 7 (KPIC-4), 5w  
 Chemult/Crescent OR, Ch. ? (KOB1-5), 10w  
 Gold Beach OR, Ch. 61 (KOAP-10), 100w  
 Oxbow OR, Ch. 2 (KIVI-6), 1w  
 Port Orford OR, Ch. 55 (KOAP-10), 100w  
 Antimony UT, Ch. 56 (KUED-7), 20w  
 Castlewood VA, Ch. 57 (WKPT-19), 100w  
 Dickensonville VA, Ch. 63 (WKPT-19), 100w  
 Honaker VA, Ch. 55 (WKPT-19), 100w  
 Coral Bay VI, Ch. 3 (WTJX-12), 10w  
 Deming WA, Chs. 3,10,13 (KIRO-7, KOMO-4,  
 KING-5), 1w each

NEW STATIONS ON-THE-AIR IN 1978 (\*=ETV)

\*WISC-30 Rock Hill SC 1-3  
 \*KZSD-8 Martin SD 2-9  
 WTKK-66 Manassas VA 3-26  
 \*KWET-12 Cheyenne OK 8-1  
 \*KLTS-24 Shreveport LA 8-10  
 \*KCO5-7 El Paso TX 8-17  
 \*WCTE-22 Cookeville TN 8-21  
 WPTY-24 Memphis TN 9-10  
 WNEE-31 Hanover NH 9-27

WPTT-22 Pittsburgh PA 9-29  
 \*KT00-3 Juneau AK 10-1  
 KSTU-20 Salt Lake City UT 10-24  
 KLMM-24 Ft. Smith AR 11-12  
 WQRF-39 Rockford IL 11-27  
 KYFC-50 Kansas City MO 12-15

STATION THAT LEFT THE AIR IN 1978

WRLP-32 Greenfield MA off 4-9  
 STATION THAT RETURNED TO THE AIR IN 1978  
 WSVI-8 Christiansted VI 11-17

STATE OF THE INDUSTRY

(AS OF APPROXIMATELY FEBRUARY 1, 1979)

COMMERCIAL TV STNS ON-AIR: 725 (515 VHF, 210 UHF)  
 EDUCATIONAL TV STNS ON-AIR: 274 (107 VHF, 167 UHF)

**TOTAL TV ON-AIR: 999** (622 VHF, 377 UHF)

LICENSED TRANSLATOR STATIONS: 2365 VHF

TOTAL TRANSLATORS 1176 UHF  
 3541

\*\*\*\*\*  
 \*BY THE TIME YOU READ THIS \*  
 \*STATION #1000 SHOULD BE ON \*  
 \* THE AIR!! \*  
 \*\*\*\*\*

\*\*\*I HAVE TRIED consistently to be as accurate and thorough as possible in doing this column; however, I have begun to seriously believe that the volume of translator information which results every month is of little to no value to the average DXer. Much of it concerns VHF translators, translators in the Rockies, and too many others that are just not within the realm of possible DX to any WTPDA member. Hence, I have three alternatives: (1) List NO translator news whatsoever, (2) List only information that could be readily used by the average DXer (i.e. KSTP-5's 1000-watters), subject, of course, to my own biases as to what is important and what is not, OR (3) Continue to list all translator news available. I would prefer either of the first two solutions, but the choice is yours. Please drop me a line and let me know what YOU think should be included. Although it is tedious work, I'm happy to compile the information if it will be used!!! (MORE FCC-TV ON NEXT PAGE!!!!!!!!!!!!)

- \*\*\*CONFUSION surrounding a couple of FCC items from the recent past has been cleared up now, thanks to Mike Dörner. The Ch. 47 allocation in Galveston TX was changed to Ch. 48 by the Old Time Religion Hour, which has now applied for that channel. They sought the change because of short spacing, and have obtained the building and land of long-defunct KIVV-16. (That Ch. 16 allocation was moved to Corpus Christi some years back and is now occupied by KEDT-16). And in Seaford DE, the educational reservation for Ch. 38 was dropped on the request of John R. Powley, who told the FCC he would build a station immediately if the educational reservation were dropped. Delaware is anxious for its own station, and Powley promised tower space to the proposed Ch. 64 translator of WHYY-12. Mike also says that Powley "already had a (Ch.) 38 xmtr plant--from WOPC Altoona, Penn....-which recently moved to 23 from 38." Mike, I have not seen mention of this change yet, and seriously wonder whether it has actually taken place. Can any DXers in that area confirm or deny this?
- \*\*\*SPEAKING OF WHYY-12, they recently surrendered the license of WUHY-35, its original station. SIN has asked for a 1000-watt translator on that channel for New York's WXTV-41.
- \*\*\*LAFAYETTE, LOUISIANA may soon get NBC service again. The community has been without strong NBC signals since KLNJ-15 deleted and WBRZ-2 switched to ABC. A Lafayette electronics man has applied for the channel.
- \*\*\*IN ASHLAND, KENTUCKY, Rev. John Alley hopes to soon have new WTSF-61 on the air with "family-type programming." The station was originally applied for in Huntington WV, but was turned down by the FCC. Rev. Alley says the station will cover the area between Milton WV and Portsmouth OH "rather well."
- \*\*\*WQTV-68 IN BOSTON IS CIRCULAR polarization--the first UHF station to use this technology. It is a pay-TV station carrying, among other things, first-run programming from Universal Subscription Television.
- \*\*\*NEW IOWA ETV ALLOCATIONS, listed on previous pages, are primarily intended to be used for 1000-watt translators.
- \*\*\*NORTH AMERICA'S FIRST MULTI-LINGUAL TV STATION will open within the next year in Toronto, if the CRTC gives its blessings. The station, which would be Toronto's sixth, will not be operated by Johnny Lombardi, president of CHIN multi-lingual radio, who lost out to another group for the operating rights. No calls or channel known yet.
- \*\*\*CBS WANTS A STUDY on circular polarization to be done by the FCC. They claim that use of CP increases CCI in fringe areas, and wants an industry-wide test conducted to measure CCI effects "in the presence of tropospheric and ionospheric characteristics that vary with environmental conditions." Any DXers want to volunteer their services???
- \*\*\*THE SAGA OF WSNB-35 CONTINUES, as Omega Communications says they are "ready" to put this defunct Orlando UHF on the air. They also claim that Ted Turner and CBN are not qualified parties of interest by FCC standards, as they press only "private interests."
- \*\*\*ANOTHER BATTLE IN FLORIDA has ensued over the FCC's approval of WXLT-40's plans to move their tower 25 miles or so to the Northeast. The Sarasota ABC affiliate's new facilities would put a Grade A signal into the Tampa-St. Petersburg area. WTSP-10, the Tampa ABC affiliate, claims this would represent a de facto reallocation of Ch. 40 to Tampa-St. Pete. The FCC didn't think so, so WTSP-10, which has never been known to have a very potent signal, is planning to go from 500 to 1499 ft. AAT to prepare for the new competition.
- \*\*\*KYFC-50 SIGNS ON in Kansas City with Christian/religious programming. Two unique aspects of this new station are the grouping of commercials at the hour or half-hour so as not to interrupt programming (a common European practice), and the stations' intent to produce 40% of their programming locally--quite an ambitious undertaking for an independent UHF!!
- \*\*\*ANOTHER CHRISTIAN TV STATION, WGGG-16 in Greenville SC, wants little bankrupt WANC-21 in Asheville NC as a satellite station. However, the FCC points out that by moving its transmitter to any of 3 sites in the area, WGGG could effectively cover the Asheville area; therefore, using WANC as a satellite would be an "inefficient use of the spectrum."
- \*\*\*COLUMBIA HAS BEEN PERSUADED TO USE NTSC COLOR, and Venezuela may soon follow suit. Ecuador and Chile are also interested in NTSC, and Bolivia has been approached by U.S. interests on the subject. Brazil, however, uses the PAL system, and Argentina will likely go the same route, due to the large volume of German-made equipment it acquired for coverage of the World Cup in Buenos Aires.
- \*\*\*IN PROGRAMMING NEWS, ABC plans to drop its early (1800 EST) feed of "World News Tonight" to force its affiliates into head-to-head competition with NBC and CBS at 1830 EST. And NBC will soon expand "Another World" to 90 minutes and shift its afternoon schedule to create a block of soap operas from 1300 to 1600 EST. The entire block will also be fed ½ hour delayed to midwestern stations, so as not to conflict with the 1200 CST local newscasts.
- \*\*\*CONTRIBUTORS this time have been: Randall B. Clark, Parkersburg WV; Mike Dörner, Metairie LA; John Ebeling, Bloomington IN; Paul Mount, Nelsonville OH; David Leibold, Blyth, ON, Canada; and Jave Pomeroy, KTWU-TV, Topeka KS. Thanks especially to Mike Dörner, who sent an updated list of vacant TV allocations in major markets. I will try to run it when I have time. Also, some information provided by contributors had to be omitted this time so as to avoid going to a fourth page. It will be run next month. 73s, good DX, and NANU-NANU to all! JOHN

# EASTERN TV·DX

Bill Thompson  
1907 Seneca Street  
Buffalo, NY 14210

March 1979

Deadline: 5th

In eastern North America, the continued severe winter weather has not allowed for much good tropo DX. The expected mid-winter long-haul ducting session that usually blankets the Midwest seems to have become a thing of the past. For the most part, any really notable tropo openings were limited to the deep South.

There were some good E-skip openings in the January 24th thru 27th period in widely scattered locations, with some instances of Es into the FM band.

F2 skip conditions have continued to bring a few surprises; we have a report this month of a U.S. TV DXer logging British video!

Jerry Pulice, WB2CPA 143 Gibson Avenue Staten Island, NY 10308 (212)984-7325  
Business phone: (201)284-2415 "I have been a WIFDA member since 1968, but have been quite inactive recently, due to work & pursuing of my MSBE in night school. In fact, I let my subscription lapse for a while & didn't realize it. I TV-DXed since about the age of 10 and had recently lost interest, at least until last December. I was playing with an old Super-Pro SP-600JX we have at work when I noticed the ORTF & BBC TV audio in 41 MHz coming thru. With all speed possible (I was carrying 6 credits at night as well as working full time) I assembled a VHF converter for my short wave radio at home & a 405 line BBC 45 MHz TV receiver. The TV rx is a TRF rather than superhet & uses the Heathkit IF filter for block selectivity. Doesn't work very well, since the bandwidth must be reduced to less than 1 MHz, as there is severe interference from a pager around 43.2 MHz—a trap is of some help here. Also, my monitor has almost no HV at 405 lines/50 fields—the screen is dim. But on January 19, 1979 at 1045 EST the 45 MHz buzz was exceptionally strong, and I got both horizontal and vertical lock on my monitor at 10,125 lines/sec. and 50 fields/sec. (405 line standard). Some blurred shapes moved about the screen and after about 5 minutes hold was lost. BBC video uses positive modulation, so keyed AGC is impossible—my receiver AGC's on mean carrier level. Some pictures were taken, but I doubt if they will look like much. As of February 7, conditions seem to be worsening. Audio is no longer in daily. The antenna is a hastily-purchased CB ground plane, cut to 45 MHz & about 10 ft off the ground. I would like to hear from other DXers who are going to attempt F2 TV DX next fall—if the sun-spots keep up, Soviet system channel R1 (approximately 49 MHz, 625 lines) from Berlin looks like a good bet. In case anyone's interested BBC audio & ORTF audio frequencies have been measured here with an uncertainty of +/- 100 Hz:

BBC	ORTF
41,481.00 kHz	41,229.40 kHz
41,487.00	41,249.40
41,500.00	41,269.45
41,516.60	
41,531.00	

Last summer new stations WGHP-8 NC and 9 from New Hampshire (new state) were added on tropo. Years ago WIFDA mentioned that a Canadian company (Delhi) was installing an improved (3-4 db I believe) feed on the Finco P-7 7 foot UHF dish. Can anyone provide me with information on how to get one of these feeds?"

Walter W. Wesolowski 05721 Old York Road Elmhurst, Illinois 60126

October	December	January
30 Tr 0715 WJHO-24 OH 220	17 Es 2300 KFBS-3 LA 730	30 Es 2316 XEPB-3 NL 1370
November	2315 WEDU-3 FL 1010	25 Es 0730 KJAC-4 TX
10 Tr 0510 WJOL-11 OH 220	30 2315 KMOL-4 TX 1050	to KATC-3 LA
		1000 WNL-4 LA

"Equipment: JVC-9" B/W and Zenith 23" B/W. Antennas: 17 element VHF, 15 element UHF, and indoor antenna on Zenith. This is my first report to WUD after being a member for 3 months. Some nice off-season Es here with XEPB being my first Mexican station received. Living in an apartment limits my DX somewhat, as my larger antennas must be put up and taken down each weekend on a telescopic mast on the back of my camper. Also noticed a nice 50 MHz Au opening on 1-23, covering the upper tier U.S. east to Midwest states. An Es opening followed 1-25. Log stands at a whopping 47 stations in 11 states & Mexico. That's it here, tnx for a great mag, and I should be reporting on a regular basis hereafter. '73"

John F. Combs 2485 Ivan Court Orlando, Florida 32807 (BST)

December		18 Es 1618		XHY-3 YUC? T		20 Tr 0708	
5 Tr	1835	WGIQ-43 AL 329		unID-2 Spanish		WJHG-7 FL 274	
		WJSP-28 GA 357		20 CCI WESH-2		WBAR-3 AL 401	
	1925	WDHN-18 AL 301	Tr 2008	WALB-10 GA 244		WDHN-18 AL 301	
	1926	WSFA-12 AL 380		WYEA-38 GA 341		WMAA-29 MS	
	1930	Panama City V's		2055 WJSP-28 GA 357		Jackson	598
	1951	WYEA-38 GA 341		WDIQ-2 AL? T		0715 WTVY-4 AL 299	
		WRBL-3 GA? T	19	0642 WALA-10 AL 415		0717 WMAW-14 MS 528	
		WTVY-4 AL? T		0646 WEAR-3 AL 401		0718 WTKM-11 MS 508	
	2051	WCOV-20 AL? T		0647 WTVY-4 AL 299		0800 "had to leave"	
	2052	WCPT-33 AL 483		WJHG-7 FL 274		Es 1620+ unIDs 2-4	
	2108	WFTV-30 GA? T		0649 WMBB-13 FL 263		1822 KTVI-2 MO 864	
	2115	WKAB-32 AL 394		0650 WVUR-8 LA 525		22 Tr 1855 WCIV-4 SC 309	
		WAIQ-26 AL 394		0652 WCOV-20 AL 392		25 MS 0151 WTVR-6 VA? T	
6	0532	WCBD-2 SC 306		0701 WGNB-26 LA 534		January	
		WCIV-4 SC 309		0713 WKAB-32 AL 394		14 Tr 1902 WIS-10 SC 387	
	0544	WWAY-3 NC 426		0718 WMAH-19 MS 479		"Yet no Columbia"	
	0600	WTNN-7 NC 526		WMAW-14 MS		U's--strange!"	
MS	0610	"strong Ø		Meridian	528	15 Es 1820 XHD-4 TAMS 1135	
		burst o/WITN"	0749	WYEA-38 GA 341		23 1613 t/in; unID 2-4	
Tr	0635	WFTV-7 SC 309		WJSP-28 GA 357		1700 KPFX-3 TX 1078	
	0656	WCCB-18 NC 465		0750 WDHN-18 AL 301		"+ many unIDs	
	0657	WPTF-28 NC 523		0751 WDCO-15 GA 294		to 1730"	
		WYAH-27 VA 643		0802 WCPT-33 AL 483		24 1520 WKAQ-2 PR 1184	
	0711	WCTI-12 NC 508		0803 WMAB-2 MS? T		WTFM-3 PR 1156	
		WVBC-13 VA 643		0807 WMAU-17 MS? T		WAPA-4 PR 1184	
	0714	WRBL-36 NC 465		"varied between		1613 WORA-5 PR 1161	
8 Es	2030	KPRC-2 TX 857		Ø & 10 to WJKS;		1637 "MUF 100 MHz4"	
9 MS	0709	KABC-3 LA 670		horizontal rolling/		25 2120+ unIDs 2-4 SS	
	2306	KFTV -2 MO 864		bad sync"		26 Tr 0715 ZNS-13 BARAMAS? T	
		"local off"		0813 WCVB-41 GA 318		"CGI on 13 to S.E.	
11	0650	WLBT -3 MS 593		0826 WDIQ-2 AL 364		--Miami strong"	
	0731	KATC-3 LA 670		0827 WSFA-12 AL 380		Es 1715+ "CCI chs 2-4"	
14 Tr	0845	WMBB-13 FL 263		0828 WBMG-42 AL 417		1745 YSR-2 E.S.1160	
15	0655	WEAR-3 AL 401		0829 WGIQ-43 AL 329		TVG-4 E.S.1160	
	0707	WTVY-4 AL 299		0831 WBIQ-42 AL 417		YSU-3 GUAT? T	
17 Es	1645	KMID-2 TX 1267		0842 WYES-12 LA 525		1830 YSEB-6 E.S.? T	
		KFDX-3 TX 1078		0920 WACS-25 GA 302		February	
	1720	KAMR-4 TX 1301		0926 WAIQ-26 AL 394		3 -- "Steve West & I re-	
	1751	KOBT-3 OK? T		0937 Atlanta U's		do antenna system	
	1758	WDAR-4 MO 1048		1445 Miami U's		...noticeable im-	
	1802	KQTV-2 MO 1089		"unusual at		provement on UHF	
	1817	WOC-6 IA? T		this hour"		daytime scatter--	
	1844	KFTV-3 MO 1039	20	0706 WALB-10 GA 244		VHF about the same"	
	1901	CKVR-3 ON 1096		WALA-10 AL 415		4 Tr 0720 "All Miami/	
	2031	WHBF-4 IL 1019		WAPT-16 MS 592		Ft Myers areas	
		WMP-2 IA? T		WFSU-11 FL 230		like locals"	
	2033	WISC-3 WI 1099		WCOV-20 AL 392		W33AA-33 FL 191	
	2102	KIMF-3 IA 1264		WKAB-32 AL 394		W64AD-64 FL 164	
	2225	KMTV-3 NE 1209		WYEA-38 GA 341		0725 W61AA-61 FL	
18	1618	X--- 4 YUC?	0707	WSFA-12 AL 380		Ft Lauderdale 184	
		"Net-13"		WMBB-13 FL 263		0730 WCIX-6 FL 226	
						0800 WPEP-2 FL 191	

Equipment includes 5 foot Finco UHF dish at 28', Archer V-150 VHF antenna at 23', both on Alliance T-45 rotor. "Finally got a UHF dish up--Jim Alexander's 5-footer. I figured the 7-foot Delhi was just too large for my set-up. There is a definite improvement with the dish and its first big trial was the intense short-range tropo the morning of the 4th. I never expected to see W61AA, and thought my previous logging of W64AD had been a fluke! Other nice tropo: to VA on 12-6; to MS, IA, AL on 12-19 & 20. Also some nice late January Es to PR & Central America. Log at 303 stations. 73"

Wayne M. Thompson Route 2, Box 156 Silver Springs, Florida 32688 (EST)  
 "Didn't have much of a chance to do any real DXing during December and January, but when I did everything seemed pretty dead. Weather has been pretty bad down this way with all those cold fronts moving in every few days. Plenty of rain and high winds (not very good for those antennas) besides freezing temperatures. Meteor scatter has been fairly good to us this month, with two stations of the Quadrantids (Jan. 3rd) and one of the Chi Librids (Jan. 22nd). Noted more than usual meteor activity from that date to 24th January (from this minor shower), but bursts were very sharp and short-lived; every few minutes 3 or 4 stations were noted, but no IDs. This minor shower deserves a re-visit next time around. When we came home from work on the 26th January, noted some off-season E-skip on chs 2 and 3 from 5:15 pm to 6:00 pm, but by 6 pm the signal was pretty choppy with WESH-2 and no ID could be made (just my luck). Antenna was pointed north at the time. So, I hope others have fared better."

December		January		February	
6 Tr	0555 WWAY-3 NC 440	3 MS	0537 WMAR-2 MD 790	26 Tr	0540 WPLG-10 FL 270
	0600 WTVN-11 NC 525		0545 WSB-2 GA 360		0541 WTVX-34 FL 165
	unID-2 north	22	0535 WCBS-2 NY 950		0550 WFTV-5 FL 225
19 Es	1830 KMTV-3 NE 1150	26 Tr	0538 WCKT-7 FL 270		0551 WFTC-12 FL 225
				Es	1715 unIDs 2, 3
				27 Tr	0130 WDEM-18 AL 250

Michael P. Hollis 7401A Gardner Hills Fort Campbell, Kentucky 42223 (GST)

December		January 1979		February	
1 Tr	2030 WSPA-12 AL 310	4 MS	0440 WCBS-2 NY 800	3 Tr	0930 KUHV-11 AR 300
	2320 WTVM-9 GA		0450 WGR-2 NY 650		1000 KSLA-12 LA
	Columbus 325		0455 WJFK-2 MI		Detroit 455
2	0459 WFBC-4 SC 315		0519 WMAR-2 MD 600		Shreveport 460
	0504 WTVM-9 GA 325	16 Es	1800 KWNB-6 NE 740		1100 KIVE-10 AR 375
	0537 KNOE-8 LA 380		1830 KMID-2 TX 900		1330 WFTV-12 MS 335
	0605 WVUE-8 LA 500	18 MS	0440 CKGN-2 ON 780	7 F2	0900 BBC1 B-1 (41.50)
	1730 WGIC-43 AL 360		January 1979		Crystal Palace GB
	2000 WCFT-33 AL 230	8 MS	0446 WGR-2 NY 650	8 Tr	0430 WXIA-11 GA 260
	WCOV-20 AL 310		0450 CKGN-2 ON 780		0440 WMAZ-13 GA
	WKAB-32 AL 310	15	0505 WMAR-2 MD 600		Macon 350
	WATQ-26 AL		WCBS-2 NY 800		0445 WANX-46 GA
	Montgomery 310	18 Tr	0540 WBMG-42 AL 210		Atlanta 260
	WSPA-12 AL 310		0545 WMAO-23 MS		Warm Springs 325
	WHMA-40 AL 220		Greenwood 250	10 F2	0900 BBC1 B-1 audio
	2058 WBMG-42 AL 210		0555 KTHV-11 AR 300		1130 Crystal Palace
	2100 WAPT-13 AL 210	27 Es	1830 KPRC-2 TX 675		0900- 41.25 audio,
	WBIQ-10 AL 210		1840 KAVE-6 NM		0930 FRANCE
			Carlsbad 1010		

"Not a lot of DX so far this year thanks to cold weather. However I've caught some ducting prior to some frontal passages on 3 & 8 February. The F2 activity has been interesting to listen to English and French TV audio on 41.50 & 41.25. I've been using Army radio equipment since most of the radios cover the 30 to 75 MHz range. Hope there is some better DX coming soon."

Paul L. Gaines 15920 Puritan Street Detroit, Michigan 48227 (EDT/EST)

September		October		November	
13 Tr	0221 WQWK-13 WV 280	19 Es	0220 unID-5 S.W.	30 Tr	0935 WIII-12 IL 305
	0229 WTHI-10 IN 290		0941 WIII-12 IL 305		0937 WICD-15 IL 305
17	0415 WQWK-13 WV 280	20	0207 WWUP-10 MI 285		1001 WKOW-27 WI? T
	0439 WSAZ-3 WV 280		2222 W64AK-64 OH 125		1003 WMTV-15 WI? T
19 MS	0314 WCBS-2 NY 490	25	0223 WICD-15 IL 305		2242 W64AK-64 OH 125
20 Tr	0209 WWUP-10 MI 285		0243 WTHI-10 IN 290		November
	0223 WQWK-13 WV 280	MS	0325 unID-4 ABC WSW	1 Tr	0218 WWUP-10 MI 285
	0242 WTHI-10 IN 290	Tr	0920 WLEX-18 KY 305		0223 WREX-13 IL 300
21	0212 WQWK-13 WV 280		0922 WKYT-27 KY 305		0851 WIII-12 IL 305
23	2330 WNMU-13 MI		0927 WKSO-29 KY 370		0908 WMBD-31 IL 345
	Marquette 355		0933 WKMR-38 KY 290		0921 WBOY-12 WV 260
24	0200 CKNG-9 ON 300		0936 WKLE-46 KY 305		0924 WQWK-13 WV 280
26	0212 WWUP-10 MI 285		0944 WDRB-41 KY 310		0934 WFBO-42 OH 255
27	0208 WWUP-10 MI 285		1002 WFBO-42 OH 255		2312 W64AK-64 OH 125
	0214 WQWK-13 WV 280		1016 WKAS-25 KY 275	2	0140 WHEC-10 NY 280
	0814 WICD-15 IL 305	29	2037 KFVS-12 MO 475		0148 WOKR-13 NY 280
			2055 WICS-20 IL 305		0217 CJOH-13 ON 425
			2147 WIII-12 IL 305	3	0920 W64AK-64 OH 125
October			2211 WTHI-10 IN 290	4	0907 W64AK-64 OH 125
5 Tr	0213 WWUP-10 MI 285		0149 WLUR-11 WI 275	9	2133 WPTT-22 PA
	0221 WQWK-13 WV 280	30	0814 KETC-9 MO 450		Pittsburgh 210
10	2230 W47AB-47 OH		0927 WBAK-38 IN 290		
11	0247 CKNG-9 ON 300				

(continued on page 23)



# NORTHERN FM-DX

Bruce Goldsen  
27 Spruce Hill Road  
Georgetown, CT 06829  
(203) 544-8214

Peter Sawatzky-R.R. #4-Guelph, ON NIH 6J1

8/20 Tr  
2130 KUNI 90.9 IA Cedar Falls  
2200 WUOT 91.9 TN Knoxville  
2210 WSMC 90.7 TN Collegedale  
2246 WQUT 101.5 TN Johnson City  
2259 WEKU 88.9 KY Richmond  
2330 WVWR 89.1 VA Roanoke  
2348 WRIR 103.5 TN Knoxville

8/21 Tr  
0034 WYZZ 92.9 PA Wilkes-Barre  
0042 WCZY 95.5 MI Detroit(ex-WLOM)  
0101 WIAN 90.1 IN Indianapolis  
0107 WECL 103.1 KY Elkhorn City  
0144 WEZF 92.9 VT Burlington  
0148 CFMU 93.3 ON Hamilton  
0156 KWUU 90.7 MO St. Louis (Au)  
0206 WKYS 93.9 DC Washington  
0213 WQLT 107.3 AL Florence  
0217 KSHE 94.7 MO Crestwood(Es)  
0223 WIVK 107.7 TN Knoxville  
0236 KKYK 103.7 AR Little Rock(MS)  
0254 WREM 94.3 KY Jenkins  
0303 WCPI 98.7 WV Wheeling  
0320 WYEP 91.5 PA Pittsburgh  
0642 WMBW 88.9 TN Chattanooga  
0705 WVPB 91.7 WV Beckley  
0738 WKEE 100.5 WV Huntington  
1958 WSMC 90.7 TN Collegedale  
2037 WOOS 106.9 OH Canton(ex-WHLQ)  
2041 WVAQ 101.9 WV Morgantown(ex-WAJR)  
2043 WXIL 95.1 WV Parkersburg  
2114 WXXK 96.1 PA Pittsburgh(ex-WTAE)  
2158 WVPW 88.9 WV Buckhannon  
2159 WAUS 90.7 MI Berrien Springs  
2249 WDOC 95.5 KY Prestonsburg  
2318 WHEZ 103.3 WV Huntington  
2345 WSIP 98.9 KY Paintsville  
WCPE 90.5 OH Columbus

8/22 Tr  
0011 WSIP 98.9 KY Paintsville  
0013 WKEE 100.5 WV Huntington  
0023 WIMB 98.9 WI Tomah  
0040 WLFX 97.3 WI Milwaukee(ex-WISN)  
0045 WIBA 101.5 WI Madison  
0050 KROC 106.9 MN Rochester  
0058 WBCL 90.3 IN Fort Wayne  
0102 WGTD 91.1 WI Kenosha  
0119 WOSH 103.9 WI Oshkosh(ex-WYTL)  
0126 WQFM 93.3 WI Milwaukee  
0129 WSIU 91.9 IL Carbondale  
0204 WUOT 91.9 TN Knoxville  
0229 WQLT 107.3 AL Florence  
0320 WPFW 89.3 DC Washington  
0345 WLWQ 96.3 OH Columbus(ex-WTVN)  
0357 WMZQ 98.7 DC Washington(ex-WMOD)  
1028 WIAN 90.1 IN Indianapolis  
1033 WPIW 95.7 OH Piqua  
1035 WGTG 92.3 IN Bloomington  
1146 KUMR 88.5 MO Rolla  
1159 WSOE 89.9 KY Madisonville  
1217 WEKU 88.9 KY Richmond  
1549 WVJC 89.1 IL Mt. Carmel  
2035 WUJC 88.7 OH University Hts.  
2121 WZLE 104.9 OH Lorain

8/23 Tr  
0847 WIAN 90.1 IN Indianapolis  
2123 WHOK 95.5 OH Lancaster  
2140 WKEE 100.5 WV Huntington  
2318 WXIL 95.1 WV Parkersburg  
2339 WANB 103.1 PA Waynesburg  
2359 WTLR 89.9 PA Stage College

8/24 Tr  
0006 WVPW 88.9 WV Buckhannon  
0008 WVPB 91.7 WV Beckley  
0749 WHUR 96.3 DC Washington  
0800 WETA 90.9 DC Washington

8/26 Tr  
0300 WMBI 90.1 IL Chicago

9/2 Tr  
0718 WEKU 88.9 KY Richmond

9/6 Tr  
0002 WAMC 90.3 NY Albany  
0759 WHAD 90.7 WI Delafield  
0800 WMBI 90.1 IL Chicago

9/13 Tr  
0713 WUHY 90.9 PA Philadelphia

10/4 GW  
0100 CBLL 100.5 ON London

Equipment: Pioneer TX-9500 Tuner with Delhi 1047 @70 feet. No loggins over this reporting period on my automated DX set-up. All new loggings underlined; dashed line indicates logging previously made in propagation mode found in parenthesis. Reference to old call letters indicates first logging of station since new calls.

It took me better than a month to write all the FM stations from the Aug. 20-24 opening for verification, but just don't have enough energy left to write all the new TV stations, of which there are at least as many, hi! 73, Pete

Fred McCormack-909 12 St. N.- Fargo, ND 58102

9/7 2220 KNDR 104.9 ND Bismarck, gospel  
9/8 0113 CHTQ 94.3 MB Winnipeg, QFM

Equipment: Heath AR-15 rcvr, rabbit ears.

I was out of town during the best tropo, but I caught one on my Pioneer car tuner. On 9/6 at 0755 from St. Hilaire, MN, FM-106, WQLR news was heard on 106.5. The distance to Kalamazoo was 650 miles; my best mobile logging.  
73, Fred.

Northern FM-DX/

John Zondlo-6617 Maryland-Hammond, IN 46323(CDT)

ALL STATIONS NEW

8/21 Tr  
 0016 WIVK 107.7 TN Knoxville, k  
 0101 KLSE 91.7 MN Rushford  
 0141 WART 98.3 IN Plainfield, g  
 0158 WJML 98.9 MI Petosky, r  
 0200 KFUO 99.1 MO Clayton  
 0215 WDOK 102.1 OH Cleveland, bm  
 0217 KCKY 104.3 ON Sault Ste. Marie  
 0300 CFCA 105.3 ON Kitchener, k  
 0345 WTMB 98.9 WI Tomah, m

8/22 Tr  
 0122 KFMH 99.7 IA Muscatine, p

8/23 Tr  
 1030 WVJC 89.1 IL Mt. Carmel

8/24 Tr  
 0030 WTOF 98.1 OH Canton, g  
 0046 WBEN 102.5 NY Buffalo, r  
 0110 WOOS 106.9 OH Canton  
 0135 WKFR 103.3 MI Battle Creek, r  
 0200 WWMJ 104.7 MD Hagerstown, bm  
 0230 WDBN 94.9 OH Medina, bm  
 0612 WEMU 89.1 MI Ypsilanti  
 0621 WKSU 89.7 OH Kent

8/30 Tr  
 2220 WAOR 95.3 MI Niles, p

9/4 Tr  
 2255 WHWC 88.3 WI Menominee, j  
 2300 KXCV 90.5 MO Maryville, news  
 2327 WDUZ 98.5 WI Green Bay, bm

9/5 Tr  
 0000 KESD 88.3 SD Brookings  
 0030 WWJR 97.7 WI Sheboygan  
 0040 WCCO 102.9 MN Minneapolis, r  
 0102 KEYE 102.1 MN St. Paul  
 0115 KRNO 102.5 IA Des Moines, r  
 0134 KGRC 92.9 MO Hannibal, r  
 0202 KSJN 91.1 MN Minneapolis  
 0847 WTTN 94.1 WI Watertown  
 0900 WGLT 89.1 IL Norma, s/on  
 0906 KOCK 88.3 IA Cedar Rapids  
 0938 KUMR 88.5 MO Rolla  
 1047 WKJF 92.9 MI Cadillac

9/8 Tr  
 0137 WQBE 97.5 WV Charleston, k  
 0202 WGUC 90.9 OH Cincinnati, c

Equipment: Sony ST-5130, rabbit ears  
 73, John

Michael L. Hogan-13910 Chippewa Ave,  
Apt. #1, Burnham, IL 60633

DX on the FM band has been very slow here lately. As you may have noticed, the above address is a new one, approximately 10 miles from my last QTH. Troops were evident only a few times in September; they did not produce any noteworthy catches. 73's with a promise for a more lengthy report next time.

Eric Fader-23-35 Bell Blvd-Bayside, NY 11360

9/10 Tr  
 1300 WNNN 101.7 NJ Canton, w/preacher

9/16 Tr  
 0201 WKTK 105.7 MD Catonsville, r (now disco)  
 0222 WHUR 96.3 DC Washington, soul

9/19 Tr  
 1612+WLNG 92.1 NY Sag Harbor, "Paul Sidney's Party Line" (talk, r&r, amateurish DJ w/ phone calls (I was on the air, wowww!))  
 1858 WSUB 105.5 CT Groton, "Alternative Radio for Eastern Conn. and RI"

9/20 Tr  
 0130 WCTX 92.1 PA Palmyra, inst. mx  
 0141 WZTA 105.5 PA Tamaqua, talk, MBS  
 0200 WQXA 105.7 PA York, o/u WVBF-105-Boston  
 WWUH 91.3 CT W. Hartford, "U-H FM"  
 WRML 93.3 MA Taunton, o/u WMMR-PA  
 0210 WDAC 94.5 PA Lancaster, local-like  
 0218 WGRF 99.3 NJ Pleasantville, drake pgmg.  
 0257 WFMV 106.3 NJ Blairstown, "FM-106"  
 0822-all day  
 WLNG 92.1 NY Sag Harbor, "Big-signal", "Crystal-Clear 92," tx about new tower  
 1630 WSUB 105.5 CT Groton, simul. AM, MOR  
 WCTY 97.7 CT Norwich

10/4 GW  
 0105 WMSC 90.3 NJ Upper Montclair, s/off mentioned ".86 watt (sic) ERP"!!!!

10/11 Tr  
 1944 WWRJ 95.3 NY Southampton, inst.

10/12 Tr  
 ??? WQQQ 99.9 PA Easton, WEZN off  
 ??? WKHI 99.9 MD Ocean City, "100-KH1"

10/16 Tr  
 0130 WVOF 88.5 CT Fairfield, 10w

10/21 Tr  
 1717 WJMJ 88.9 CT Hartford, "FM-88"

10/22 Tr  
 2130 WLNG 92.1 NY Sag Harbor

Equipment: Concord CR-260 stereo, Archer Rabbit Ears. All these WLNG and CT strn relogs, like WSUB, very rare until this summer, show that tropo cx have been fantastic. WLNG should be a great skip target with their new tower. 73, Eric.

Ed. note: On a trip back from Ithaca, NY this fall, I picked up WLNG ("radio the way it used to be" is their slogan) in the car in the middle of the Catskills, a good 120 miles from their (monster) tower. The station's signal is incredible, with programming to match. Their hours are 6am-10pm, simulcast with their AM on 1600.---Bruce

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

All loggings Tr

- 10/22 0100 WKOA 100.3 KY Hopkinsville, \$, s/off
- 10/24 2245 WVNA 100.3 AL Tuscumbia, m, "\$-100"
- 10/29 0002 WRBI 103.9 IN Batesville, r, \$, s/off
- 10/30 0142 CKLA 106.1 ON Guelph, m, \$
- 0228 CFCA 105.3 ON Kitchener, r, \$
- 0428 KSCF 97.1 MO Florissant, m, "KS-97"
- 11/10 0113 WFMM 92.1 PA Johnstown, m, \$
- 0157 WDSY 107.9 PA Pittsburgh, m, \$, "Daisy"
- 0200 WSHH 99.7 PA Pittsburgh, m, \$, o/WRMZ
- 0240 WYDD 104.7 PA Pittsburgh, p, \$, o/WTUE/WIOT
- 0313 WZPR 100.3 PA Meadville, r, mono
- 0330 WOMP 100.5 OH Bellaire, p, r, \$, "WOMP FM-100" o/WWKI
- 11/18 0800 WHPW 89.9 WV Huntington, c, \$
- 11/20 0424 WYFM 102.9 PA Sharon-Youngstown, OH

**NORTHERN FM DXers TAKE NOTE:**

Be sure to send your reports to Ralph Strobel at the above address from now on. Please support your new NFM editor!

Equipment: Heathkit AJ-1510 w/ 60' Winegard antenna and rotor. New stations underlined, EST used. Total: 744 stns, 180 Ed. band including 28 ten-watters. Few Tr openings this fall, but 11/10 was best. Pittsburgh, Cleveland, Akron-Canton, Wheeling all in like locals. Best states: OH-149; IN-133; IL-103; MI-87  
All new stations taped. 73, Ralph

# TECHNICAL TOPICS



**Q:** "I have been considering buying a videocassette recorder to use for TV DX. Should I wait for the new videodisc units to come out instead? I hear that the picture will be sharper on these units."

**A:** There seems to be a common misconception about the videodisc systems. They will be used for playback only--you won't be able to record with them. It's true that the picture will be sharper, but you can't otherwise compare this type of system with videocassettes, as videodiscs are designed for high-quality video and audio reproduction of pre-recorded material.

**Q:** "Why doesn't anyone make a VHF-UHF combo which includes a large (7 foot or more) dish for UHF?"

**A:** It wouldn't be practical; parabolic dishes (especially 7-footers) are hard enough to handle all by themselves due to their size. Adding some kind of VHF design to the boom of a large dish would increase the already huge windloading characteristics, and interact with the "focus" of the dish, degrading UHF performance. One antenna manufacturer (Winegard) has used a smaller type parabolic reflector with UHF log feed on their "Color-Wedge" series VHF-UHF combos, but you should keep in mind that combo antennas should not be used for serious TV DXing. A combo antenna is always a compromise as far as UHF results are concerned.

**Q:** "I have a CB interference filter on the antenna terminals of my FM receiver, but I can still hear a nearby CBER on 107.9. How can I eliminate this?"

**A:** If the CBER is very close (like next door), there's not a lot you can do. You may have a good high-pass filter that works well in preventing his 27 MHz signals from getting into your receiver, but you could be receiving his fourth harmonic. For instance, if the CBER was using his transceiver on 26.975 MHz, the fourth harmonic of that signal would fall exactly on 107.9 MHz (4 times 26.975--CB channel 2--equals 107.9. The only thing we can suggest is to get a FM receiver with better AM rejection, if you can.

**Q:** "What's the best type of antenna to use for general DXing on the 30-50 MHz band?"

**A:** A ground plane. Most of the signals in this range are vertically polarized --for base-to-mobile operation, and a ground plane is a vertical antenna.

## LATE JANUARY PRODUCES EXCELLENT OFF SEASON SKIP

While all other dx modes diminished to virtually zero, E-skip soared to heights seldom realized in late January. The 25th and 27th of that month brought about several summer-like openings (both morning and evening hours), made all the more ironic while some of the season's coldest weather prevailed outside. For example, Austin and Tulsa recorded temperatures 10 and 12 degrees below normal during January. Snow has covered the ground in Tulsa most of the time since the year began. While hoping and waiting for warmer weather we got good reason to hope for a fine skip season coming up if the recent openings are any indication.

REPORT YOUR FM DX TO THIS COLUMN IF YOU ARE FROM: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, NC, NV, OK, SC, TN, UT, VA, WV, and MEXICO.

Jim Pizzi, 300 Park, Orcutt, CA 93454 - Oct. 6, 1978 to Jan. 25, 1979, PDT, PST after 10/20

Conditions in 1978 were down quite a bit--not too many openings into the FM band. Only 31 new loggings--six either local or tropo and 25 by Es. No 2 Es heard, most openings were average or below.

1979 has started with a bang with two hrs worth of Es on 1-25 and an hour and fifteen minutes of Es on 1-27. With 15 new ones logged for both days I've done half of what happened last year. I hope to hear some 2Es this year. Not much from tropo here--hope it picks up this spring. Total now at 514. No equipment change this past year and nothing is planned.

I would like to commend the club and all its members for making the VUD and DXing the enjoyable pastime it is. Thanks again everyone. Best of DX. Jim Pizzi

### 10/6, 1978

tr 1553 XETRA 91.1 BC Tijuana, \$, rk, "91 X FM"  
1556 KVPB 89.3 CA Fresno, new, car. only  
Es 1559 KVMY 96.9 TX McAllen, SS, ads  
1615 KHPE 97.1 COA Torreon, SS  
1617 WOAI 97.3 TX San Antonio, ID  
1636 KFJH 94.3 TX Ft. Stockton, EL  
1652 XHEC 91.9 COA Sabinas, under/over KCSB

### 10/20

tr ---- KVPB 89.3 CA Fresno, CL, \$, "FM-89"

### 9/10

tr 1158 KDES 104.7 CA Palm Springs, tent  
1158 KACY 104.7 CA Oxnard, "FM 105"  
(legal ID on the hour)

### 9/13

tr 1447 KOTE 106.3 CA Lancaster, "rare"

### 1/25 (all Es)

1809 KMUW 89.1 KS Wichita, CL  
1811 KDSA 91.1 KS Wichita, CL  
1812 KERA 97.9 KS Wichita, \$ EL  
1814 KUDL 98.1 KS Kansas City, \$, rk, ads  
1815 KXXX 100.3 KS Colby, "KX-100"  
1822 KHOK 100.9 ES Heisington, rk  
1828 KKKX 95.7 KS Ottawa, "96 Exchange"  
1830 KJCK 94.5 KS Junction City, B/ball  
1832 KANU 91.5 KS Lawrence  
1835 unID 92.1 CO cw, wx for CO  
1836 KTEZ 93.7 KS Salina, "Z-94", \$, rk  
1836 KTTL 93.9 KS Dodge City, cw, \$  
1837 KCEZ 92.3 KS Newton, tent, EL  
1842 KAVI 95.9 CO Rocky Ford, ID  
1843 KBUP 97.3 KS Garden City, rk, \$  
1844 KSWT 107.7 KS Topeka, ID  
also on 1/25:

1814 KSKG 99.9 KS Salina, "KC", \$  
1830 KULL 94.5 KS Scott City B/ball

### 1/25

1846 KARD 107.3 KS Wichita, EL, \$  
1846 KLOQ 106.1 KS Lyons, rk  
1847 ESKU 102.1 KS Hutchinson, "U-102", rk  
1849 KZLO 100.7 CO Pueblo, wx, "Spirit of the Rockies"  
1859 KICT 95.1 KS Wichita, rk  
1859 KQMO 95.5 KS Dodge City, CL  
1900 KERC 94.7 OK Oklahoma City  
1907 KNSX 96.7 KS McPherson, HS Bektball  
1915 KHUT 102.9 KS Hutchinson, \$, EL  
1926 KANS 96.7 KS Larned, cw, wx, ID at 1937  
1940 KOPM 104.1 OK Oklahoma City, Boogie Man, died 1954, up again at:  
2137 KNFM 92.3 TX Midland, EL, \$

### 1/27

1845 KTTL 93.9 KS Dodge City, cw  
1849 KNSX 89.5 CO Pueblo, b/ball w/CO teams  
1852 KPIC 93.9 CO Colorado Springs, rk  
1855 unid 94.5 ABC nk, in very brief  
1901 KRWG 90.7 NM Las Cruces, o/KPFFK  
1914 KTEP 88.5 TX El Paso, jazz  
1914 KISM 99.9 TX El Paso, rk  
1915 KGRD 103.9 NM Las Cruces, rk, \$  
1919 KPFM 92.3 TX El Paso, \$, rk, "92-FM"  
1920 unid 93.9, cw, sounded like KBOY, KBOI, KBRY???? Help!  
1943 KOIZ 93.1 TX Amarillo, ID rock "Z-93"  
1946 KACF 89.9 TX Amarillo  
1947 KTTI 98.7 TX Amarillo, \$, rk "KY-99"  
1954 KANW 89.1 NM Albuquerque, rk  
2001 KESS 93.9 TX Ft. Worth, SS, ID  
2004 KWTS 94.9 TX Arlington, nx, ID  
2007 KZEW 97.9 TX Dallas, \$, rk  
2008 KFJZ 97.1 TX Ft. Worth, rk  
also in recheck of old tapes:  
7/29/76  
1502 KIKM 96.7 TX Sherman, w/SS

Neil Dickerson, 420 State St, Sharptown, MD 21861 - Nov. 15, 1978 to Jan. 25, 1979

Equip: Panasonic "Technics" SA-5570 tuner-rx, two Channel Master ants, stacked at 50', rot.

11/15

1830 WFTN 92.5 FL Key West, EL  
 1845 WAFG 90.3 FL Ft. Lauderdale, REL  
 1900 CMQ 90.5 CUBA Havana

11/20

2130 WMPR 88.1 SC Sumter  
 2200 WLTR 91.3 SC Columbia

12/4

2200 WCTD 107.1 MD Federalburg, cw  
 (new station on equip. test)

12/17

2000 KITY 92.9 TX San Antonio  
 2000 KBID 92.9 TX Wichita Falls  
 2015 KEBC 94.7 OK Oklahoma City  
 2015 KHOO 99.9 TX Waco  
 2020 WKKR 93.2 TX Port Arthur, "Kicker radio"  
 2030 WFTN 92.5 FL Key West  
 2047 KVLV 91.3 TX Beaumont  
 2056 KOPY 92.1 TX Alice  
 2100 KAFM 92.5 TX Dallas, rk  
 2105 KKEG 92.1 AR Fayetteville  
 2115 WQNZ 95.1 MS Natchez  
 2130 ???? ? ? "K-LO 95", soul  
 2130 KIKK 95.7 TX Houston  
 2135 KHLS 96.1 AR Elytheville  
 2200 KWEN 95.5 OK Tulsa, "QUEEN \$ 95"  
 (Thanks for you report Neil, way to go, DB)

12/20

1900 WANS 107.3 SC Anderson, rk  
 1930 WEPR 90.1 SC Greenville  
 1945 WTQR 104.1 NC Winston-Salem  
 2000 WROQ 95.1 NC Charlotte, "Q-95"  
 2030 WET 107.9 NC Charlotte

12/30

0900 WAQA 103.1 MD Grasonville, rk, new statn.  
 1/6  
 1800 WSPH 88.1 MD Baltimore, 10 watts! no WHFC

1/25

0930 KCSX 90.1 OK Edmond  
 0936 KKKY 96.1 OK Oklahoma City  
 0945 KMOD 97.5 OK Tulsa  
 0952 KATT 100.5 OK Oklahoma City, "The Cat"  
 0955 KFNB 101.9 OK Oklahoma City, "FM 102"  
 1000 KKEG 92.1 AR Fayetteville  
 1000 WAMZ 97.5 KY Louisville, cw  
 1005 KBID 92.9 TX Wichita Falls  
 1015 WAFB 98.1 LA Baton Rouge, "\$ 98"  
 1022 KRAV 96.5 OK Tulsa, "FM 96"  
 1030 KXXA 95.7 AR Little Rock  
 1035 WGLD 100.3 NC High Point  
 1800 WRNS 95.1 NC Kinston  
 1815 WKNS 90.5 NC Kinston  
 1830 WYND 96.1 NC Raleigh  
 1835 WRAL 101.5 NC Raleigh  
 1845 WKNC 88.1 NC Raleigh

Rick Samford, 404 S. McNeill, Burnet, TX 78611 - Jan. 5 to Feb. 6, 1979 CST

1/19 tr

1802 XHJD 98.9 NL Monterrey, "\$-99" 365  
 Brief & very weak, but only opening beyond  
 320 mi. during Jan. Were cx much better  
 in OK? (No, but I haven't kept close  
 watch on cx. I missed all that skip as a  
 result. Thanks for rx clippings! DB)

1/25 Es

1910 KUZZ 96.9 ID Nampa, ID  
 1914 KBLI 97.7 ID Blackfoot, ad  
 1916 KEZJ 95.7 ID Twin Falls, ID  
 1917 KBOI 97.9 ID Boise, ID  
 1919 KMWZ 98.3 ID Burley, ID, ex- KSAX  
 1924 KPXD 94.9 ID Nampa, ad  
 1925 KSIH 94.9 ID Pocatello  
 1929 KNAC 92.1 ID Rupert, ID new, rk,  
 1930 KEYU 88.9 UT Provo, ID  
 1931 KEBK 92.3 ID Boise  
 1940 KUPI 99.1 ID Idaho Falls, wx  
 1944 KOPX 98.7 UT Salt Lake City, ad  
 1952 KMTW 96.5 ID Twin Falls, ad  
 1958 KEXL 94.1 ID Caldwell, ad, wx, ID  
 2000 KQBO 96.1 OR Ontario, ID  
 2039 KUSC 91.5 CA Los Angeles, ID  
 2040 KIFM 98.1 CA San Diego, ad  
 2058 KBEY 95.1 CA Ventura, ID  
 2058 KFAC 92.3 CA Los Angeles, wx, ID

1/25 tr

2100 KATX 97.3 TX Plainview, ID 310

1/25 Es

2100 KNOB 97.9 CA Long Beach, ID  
 2112 KJOK 93.1 AZ Yuma, ad  
 2116 KWXY 98.5 CA Cathedral City, ad  
 2118 KDUO 97.5 CA Riverside  
 2120 KKOS 95.9 CA Carlsbad, ad  
 2121 KCOL 94.5 AZ Phoenix, ad, "Cool FM"  
 2124 KBZT 94.9 CA San Diego, "K-Best-95"  
 2126 KZLA 93.9 CA Los Angeles, ID  
 2126 KMET 94.7 CA Los Angeles, ID  
 2128 KOLA 99.9 CA San Bernardino, ad  
 MUF 106+ MHz around 2130  
 2133 KUPD 97.9 AZ Tempe, ID  
 2146 KJOI 98.7 CA L. A., ID, "E-Joy"  
 2149 KETRA 91.1 BCN Tijuana, Sp., ID  
 2201 KOWW 92.1 CA Escondido, ID, "Rock-92"  
 2203 KCRN 89.9 CA Santa Monica, ID  
 2339 KPSD 94.1 CA San Diego, ID  
 2339 XHRM 92.5 BCN Tijuana, mention of  
 call from USDS.

1/27 Es

1917 KLAN 97.9 UT? new Ogden?, cw  
 1919 KAYK 96.1 UT Provo, ad, "K-96"  
 1921 KCPK 98.7 UT Salt Lake City, ad  
 1927 KALL 94.1 UT Salt Lake City, ad  
 1929 KUER 90.1 UT Salt Lake City, ID, NFR

This has been quite a winter, here deep in the Sun Belt. According to the NWS in Austin, this Jan. was the first time since records have been kept that the temp. there failed to reach 70 degrees, as Austin only warmed up to 69 degrees. It was also the second coldest Jan. on record, with an average mean temp. of 40.4 degrees. Since Burnet is usually a few degrees cooler than Austin during the winter, it was no surprise that we didn't have any 1000 mile ducting like Dec., or even the 300-500 mi. stuff. The poor cx even kept my TX total at a standstill. Since 8/6/77 I've heard 189 TX stations, which consist of 22 ed. (incl. two freq changes), 51 Class A, and 116 Class B/C stations. However, the poor tr showing was offset by the productive 1/25 Es session. It featured the latest Es I've encountered during my brief DXing career, and was easily the best Es heard since the June/July peak. 1/27 should have been a good day also, but I didn't tune in until 1915. At about that time the 21 MUF was at least 103.5 but soon dropped, causing me to miss many stations.

Randall B. Clark, Rt. 5 Dutch Ridge, Parkersburg, WV 26101 - Jan. 1979

Hello again! Well, the snow's here--five inches worth! Can't wait till the spring. (Snow has been declared an "obscene" word now, hi!!) (It has always been a four letter word, hasn't? DB) Anyway, I got a fellow from WJIL interested in this very good hobby of ours and he just may join WFDA!! Soon, I hope! (Speaking of WJIL I'm "very" well known at the station!! Hi!)

I hope to be appearing at this year's convention in Baltimore, MD. You'll know me by the "Y-93" iron-on supplied by KYYY 92.9, Bismarck, ND. Wishing everyone good dxing. Randy.

Using same rx as before. All times in EST and all Tr unless noted. New underlined.

1/11  
1410 WVCW-WB&Q 101.9 CCI w/each other!  
1938 WPM7 99.7 way up from the usual  
2031 WSHH 99.0 in here-rare! plus other  
1/12 semi-locals in.  
Late evening hours...same as above plus:  
2230 WIBC 100.0 \$ WEBC CCI.. WHCK thru WJIL!  
2300 WMYC Ided as "0-94", non Ider.  
1/25 (Es), finally  
1010 Several Cuban stns in near 92 MHz  
1016 WTMJ, Miami



1/25 (Es)  
1019 KAFM 92.5 Dallas, TX, ann. telling aud. of listener near Pittsburg, PA via Es!, way to go KAFM!!  
1100 Es shows signs of faltering out but TV still in after 1300!  
1/27  
1219 WOOD 93.3 Youngstown, OH  
1231 WJOI 93.7 Pittsburg, PA, ID "Joy Radio"  
1319 WSRD 101.1, Sorry, I gave wrong freq in Nov. VUD.  
1330 WQED 89.3, plus others as well (Left out of Jan. VUD-- Nov. 1 2055 WYFM, Sharon, PA 102.9 and WWJ at 2117, Johnston, OH, 103.1, all while WQAW is off!)

Pat Dyer, 5315 Silverlin Dr., San Antonio, TX 78228 - Jan to Feb. 1, 1979 CST

Equip: Hallicrafters SX-62 w/International Crystal model SAX-1 preamplifiers, Archer 6-el. FM antenna at 20 ft. w/rotor. new underlined, t-tentative. All Es.

1/5  
1837 KCSKt 88.5 CA Northridge 1210  
1839 KMET 94.7 CA Los Angeles, area ads  
1842 KLOSt 95.5 CA " " , rk 1190  
1847 KJOIT 98.7 CA " " , EL  
1853 KPCSt 89.3 CA Pasadena 1185  
1859 KPAC 92.3 CA Los Angeles, cx, ID  
1901 KPPK 90.7 CA " " , area psa  
1912 f/out  
1/25  
0847 WCMU 89.5 MI Mt. Pleasant, ID 1235  
0900 WMBI 90.1 IL Chicago, REL, ID 1045  
0901 WNR 89.3 IL Evanston, ID 1060  
0905 WPM7t 98.7 IL Chicago, cl  
0909 WIARt 88.3 MI Interlochen, opera 1255  
9013 WHPI 94.1 MI Jackson, ad 1180  
0918 CKO-2t99.1 ON Toronto, Can.nx 1435  
0927 WJML 98.9 MI Petoskey, local rd 1320  
WBFGt 98.7 MI Detroit, REL 1225  
0947 WDOF 93.9 WI Sturgeon Bay, local ad  
0955 WPMK 99.1 MI East Lansing, ad 1195  
1016 GJOM 88.7 ON Windsor, Detroit ads  
1020 WHAT 88.7 WI Madison 1065  
WPNBt 89.3 WI Green Bay (//88.7) 1190  
1024 WJLR 96.7 WI Sauk City, ID 1075  
1025 WJVL 95.7 MI Marquette, ID 1320  
1027 WJPD 92.3 MI Ishpeming, k, ID 1315  
1028 WPRE 94.3 WI Prairie-du-Chien 1020  
1033 KMAQ 95.3 IA Maquoketa, ad 975  
1050 f/out  
2044-21 0 unIDs 88-106  
2044 KPCSt 89.3 CA Pasadena 1185  
2050 KCSKt 88.5 CA Northridge 1210  
2105 KLOSt 88.1 CA Long Beach 1180  
21 2 KDES 104.7 CA Palm Springs, ID 1090  
2117 KOST 103.5 CA Los Angeles, ID 1190  
2120 EPGSt 96.3 CA " " , REL  
KOLAt 99.9 CA San Bernardino 1135  
2121 KWST 105.9 CA Los Angeles, ID, rk  
KWAO 106.3 AZ Sun City, ID 850  
2Es? KIDI 101.3 CA San Francisco, K-101 1475  
2127 KAXY 98.5 CA Cathedral City, ad 1080  
2129 KUFd 97.9 AZ Tempe, ID 825

1/25  
2137 KBBC 98.7 AZ Phoenix, ID 835  
KHEPt 101.5 AZ Phoenix, cl  
2137 KROQ 106.7 CA Pasadena, "rk of LA"  
KPRI 106.5 CA San Diego, wx 1120  
2153 KCAL 96.7 CA Redlands, "K-Cal" 1130  
2154 KBBY 95.1 CA Ventura, rk, ID 1250  
2157 KZLA 93.9 CA L. A. , ID 1190  
2214 KCRW 89.9 CA Santa Monica 1200  
soon f/out  
1/26  
1923 XEBSt 89.7 DF Mexico City 690  
XHMt 88.9 DF " "  
XHMt 88.5 MOR Cuernavaca 735  
XNDAt 90.5 DF Mexico City  
XHPot 92.1 DF " "  
XKJPt 93.7 DF  
XHLMt 96.5 MOR Cuernavaca  
1927 XHSHt 95.3 DF Mexico City 690  
1930 XHQK 91.3 DF " "  
XELAt 98.5 DF " , cl  
1932 XERCt 97.7 DF  
1955 XHNPt 89.3 PUE Puebla 735  
1/27  
1658-1720 unIDs 88-95 to n.e.  
1015 1050 WJWP 93.5 IL Joliet, area ad 1100  
1754 WKTI 94.5 WI Milwaukee, local ad 945  
WHBF 98.9 IL Rock Island, ID 1000  
1800 WFRL 98.5 IL Freeport, ID 1060  
1801 KWVK 96.7 MN Rochester, ID 1020  
1802 KIFG 95.3 MN Albert Lea 1115  
1805 WGGQ 99.3 WI Waupun, "99-!", wx 945  
1806 WEMO 101.3 IL East Moline, area wx 880  
1813 KFRV 106.5 IA Davenport, ID, "K-River"  
1820 KLFM 104.1 IA Ames, ID 1740  
1827 WJJO 98.1 MN St. Cloud, area wx 1045  
1835 KEEZ 99.1 MN Mankato, ad 1065  
1839 WSPt 97.9 WI Stevens Point, area ad  
1859 KALL 94.1 UT Salt Lake City, nx, ID 1080  
KWHot 93.3 UT " " 1045  
KBYUt 88.9 UT Provo 1065  
1900 KQYN 95.7 CA 29 Palms, ID 1065  
1904 KMLZ 96.7 CA Santa Ana, ID 1160

1/27			
1906	KHIZt	97.1 CA	Los Angeles, NBC nx 1190
1908	KGSW	96.5 WY	Rock Springs, local ad
1910	KZLA	93.9 CA	Los Angeles, ads, ID 1190
1912	KST	105.9 CA	" "
	KROQt	106.7 CA	Pasadena, rk 1185
	KOLAt	99.1 CA	San Bernardino 1135
1913	KWVE	107.9 CA	San Clemente 1150
1914	KXKY	98.5 CA	Cathedral City 1080
1915	KNAct	105.5 CA	Long Beach 1180
1916	KOST	103.5 CA	Los Angeles, ID 1190
	KPRIt	106.5 CA	San Diego 1120
	KFMBt	100.7 CA	" " "
	KIFMt	98.1 CA	" " "
	KXYt	96.5 CA	" " "
1919	KFSdt	94.1 CA	" " "

, cl

1/27			
1919	KGBt	101.5 CA	San Diego, rk 1120
1920	KCPX	98.7 UT	Salt Lake City, ad 1080
1923	KLUBt	97.1 UT	" " " " EL "
1934	KOOL	94.5 AZ	Phoenix, ID 835
	KMBt	96.9 AZ	" " " " EL "
	KUPDt	97.9 AZ	Tempe, rk 825
	KQTTt	95.5 AZ	Phoenix, EL 835
	KXTTt	92.3 AZ	Glendale 840
	KMCRt	91.5 AZ	Phoenix, jazz 835
1937	KBBC	98.7 AZ	" " " " local ads "
1942	KALJt	95.1 AZ	Yuma, EL 970

soon f/out

After the rather poor summer Es season and the very low level of Dec. FM Es, it is very strange to have the few days in late Jan. of widespread Es. Even during the peak summer openings it is a bit rare to have a simultaneous CA, UT, WY spread. This had to have been the best Es sessions since the June-July openings. Nice to catch a few new ones via Es at this time of the year.



1500 ELIDA ROAD - LIMA, OHIO 45805

BOX D  
ISHPEMING, MICHIGAN 49849

## EASTERN TV-DX (continued from page 16)

March 1979

Paul L. Gaines (continued)

November		December	
9 Tr	2228 W47AB-47 OH 115	9 Tr	2301 WBOY-12 WV 260
	2231 WPBO-42 OH 255		2314 WTAJ-10 PA 275
			0209 WWUP-10 MI 285

"That's it for now! Had a good shot at MS the other a.m. Channel 4 picture taken, 'CHANNEL 4 NEWS' across top--0330, antenna WSW. Right after, it came back in better, but I was cranking the camera--that's luck. Hope it has ID on it!"

Michael L. Hogan 13910 Chippewa Avenue Apt. 1 Burnham, Illinois 60633

"The only noteworthy DX event to happen during the month of January 1979 was a brief but intense E-skip opening on the 25th of the month. It began about 0930 EST and the MUF reached channel 6; but I was unable to identify any new stations. I missed the rest of the opening as I had to leave the house. I came back home at 1400 EST and the E-skip was gone into the horizon. 73's to one and all."

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

"I've been hearing ch B1 TV audio now for about 42 days out of the 78 days in 1978 since I've heard them on October 15th...and now in January I've heard them almost every day!! I've even heard the video on 45.00 MHz on the 6th-7th & yet still on the 21st!!"

## STATION BREAK

WTFDA Headquarters  
Post Office Box 202  
Whiting, IN 46394

Your non-commercial ad can appear in the VUD free of charge! Got a piece of DX gear you'd like to sell? Advertise it in STATION BREAK! WTFDA member ads only. 30 word or 3 line limit, example:

DX ISLAND! Imagine, your own private island for DXing! This uninhabited Pacific paradise awaits. Used for French H-bomb tests, so there's no worrying about pesty insects or animals. Write: Atlantis Inc., Atlantis, Atlantis 54321



# VHF UTILITY DX

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

MARCH 1979

Rick Stein, 456 Barrymore Place, North Brunswick, NJ 08902 EDST/EDT  
Regency Touch, Bearcat 250, Lafayette PF-175; Hustler discones

- 4-14:  
 2009 KQCL78 39.98 Taylor Co., WV  
 2014 KC8580 " Belington, WV-p  
 2028 - " Beckley, "  
 2030 KQF561 " Lewis Co., "  
 KLK562 " Barbour Co., "  
 2031 - " Lelandtown, "-p  
 2032 - " Parsons, " "  
 2042 KQE375 " Wetzel Co., "  
 2045 KQH644 " Raleigh Co., "  
 2048 KDX445 " Claremont Co., "  
 2050 K06426 " Junior, "-p  
 8-1:  
 2037 - 44.62 AR-sp  
 10-12:  
 1430 42.66 Spanish  
 1719 KMA628 39.14 L.A., CA-cp  
 1725 " 39.20  
 1727 " 35.46 San Diego, CA-mp  
 1745 - " L.A., " "  
 1750 - 35.38 San Diego, " "  
 1826 KMA628 39.44/.64  
 1836 " 39.02/.82/.88  
 1838 " 39.76/.96  
 10-22:  
 1320 41.62 Spanish  
 1436 KME263 42.56 Barstow, CA-sp  
 10-23:  
 0909 40.39 Spanish  
 10-24:  
 0930 40.46 Spanish  
 10-26:  
 1722 KMA628 39.84  
 1724 " 39.08, 1726 same 39.94  
 1727 33.34 Texas ?  
 1735 KEY828 39.80 Kellogg, ID  
 1744 39.46 Spanish; 1745 39.96 US  
 1825 KLP930 39.94 Fresno Co., CA-  
 KMF965 parks & recreation  
 10-27:  
 1430 30.78 Texas  
 10-28:  
 0915 41.62 Spanish  
 1430 " with OH sp feed in  
 10-29:  
 0912 40.46 with KS sp feed in  
 10-30:  
 0916 41.62 " " " " "  
 10-31:  
 1305 31.52 Texas  
 11-1:  
 0918 HUBMO, HUBF-2, HUF-2 42.925  
 San Salvador, El Salvador  
 0925 42.925 US  
 1200 39.34 Texas
- 11-1:  
 1220 KFY894 37.26 Athens, GA-sp  
 1400 41.62 with OH sp feed in  
 11-2:  
 1015 KET512 33.38 Andrews, TX  
 KET523 " Goldsmith, "  
 46.07 Carib. ?  
 1020 46.055 US ?  
 1037 46.12 with NC sp feed in  
 11-6:  
 1125 39.86 Mexico ?  
 1502 KMA501 42.56 Stockton, CA-sp  
 11-7:  
 1116 41.10 Spanish  
 11-8:  
 1015 39.86  
 11-9:  
 0821 41.55 Spanish  
 11-10:  
 1158 KLU217 39.14 Tracy, CA-s  
 1210 45.955 US ?  
 11-11:  
 1315 41.55 Carib. ?  
 11-13:  
 0935 40.46 with OH sp feed in  
 1134 " " NH " " "  
 1136 " " NJ " " "  
 (thus the input is 44.94)  
 1223 46.07 Carib. ?  
 11-14:  
 1450 40.39 Spanish  
 11-15:  
 1226 42.925 US  
 11-25:  
 1235 30.88 Texas  
 1422 41.62 Mexico ?  
 11-27:  
 1235 30.88 Texas; 1244 30.92 Span.  
 12-13:  
 0935 KME543 42.56 Susanville, CA-sp  
 12-14:  
 1150 40.855 Spanish  
 12-15:  
 0950 46.07 Carib. ?  
 12-19:  
 1300 KOA362 39.18 Douglas, AZ  
 KGT612 39.36 White Tanks Mtn,  
 AZ-sp  
 1301 KBY488 39.04 Greenlee Col, AZ  
 1400 39.82 US  
 12-28:  
 1605 KBY477 39.82 Boise City, ID  
 12-31:  
 1220 KOA237 39.18 Apache Co., AZ  
 1222 KON47 39.82 Sanders Co., MT



## VHF UTILITY DX

MARCH 1979

(Stein cont.)

1-1:	1-1:
1130 KOG982 39.82 Twin Falls Co., ID	1310 KOE542 39.82 Musselshell Co., MT
1143 KOK64 " Pondera Co., MT	1319 KOI722 " Glasgow, "
KYT214 " Glacier Co., "	1-4:
1152 KOA766 " Mineral Co., "	1610 KOY580 39.82 MT
KOF344 " Sheridan Co., "	1613 KOG986 " Gooding Co., ID
1225 KVN704 " Bozeman, "	1645 KOB568 " Lake Co., MT
1234 KOE369 " Wheatland Co., "	1700 KBY477 39.86
- " Liberty Co., "	

Rick would like help from other members in determining the input frequencies of some of the multitude of Latin American repeaters that come thru, in particular those that are being activated by various US signals that skip down there (e.g., 41.62). Space here does not permit listing the various clues noted (i.e., towns, unit numbers, etc.).

D. Wilson, 237-B E. Summit St., Kent, OH 44240 Sharp model, GMT

1-6: 1530 41.50 BBC-1 England (TV audio)  
1545 41.25 ORTF France (TV audio)

(the Bearcat 210 could barely make out these a.m. signals)

Neil Dickerson, 426 State St., Sharptown, MD 21861 Realistic Pro-1; new underlined; EST used

11-30:	11-30:
1200 KJK725 42.14 Oakland, CA-sp	1244 KMD634 42.88
KMA962 " San Francisco, " "	1245 KMC983 " Merced, CA-sp
1201 KMB510 " El Centro, " " "	1251 KVN727 43.64 Oakland, " -h
1203 KMD453 " Riverside, " " "	(Childrens Hospital)
KMD520 " Santa Maria, " " "	1252 KIZ348 44.58 Monterey Park, " -p
1205 KML957 42.34 Meyers, " " "	1255 KMB524 42.56 Santa Barbara, " -sp
1206 KME311 4 " Gorman, " " "	1300 KUY334 33.98 Sprague R., OR-f
KMD634 " Madera, " " "	1306 KON896 42.82 Prineville, " -p
1207 KCY564 " Petaluma, " " "	1307 KOA384 " Valo, " " "
1208 KIK762 " Bryte, " " "	KOB310 " Roseburg, " " "
KMB510 " " " " "	1309 KOB308 " Klamath Falls, " " "
1210 KMF246 " Quincy, " " "	1310 KOB311 " Burns, " " "
1212 KRB411 " L.A., " " "	1311 KOB877 42.88 Tillamook, " " "
KME383 " Scotia, " " "	1312 KOB309 " Canyon City, " " "
KMD908 " Santa Rosa, " " "	1313 KVN611 " Hood River, " " "
1215 KCX980 " San Bernardino, " " "	KOA745 " Portland, " " "
1216 KCT215 " Norden, " " "	1315 KOA744 " LaGrande, " " "
1217 KMH277 " Lebec, " " "	1317 KOA296 42.94 Odell Lake, " " "
1218 KMH700 " San Jose, " " "	1320 KOA513 " Grants Pass, " " "
1220 KME593 " Bridgeport, " " "	1322 KZR520 " Hermiston, " " "
1221 KMA501 " Stockton, " " "	1323 KVG920 " Westfir, " " "
KLE850 " Richmond, " " "	1330 KOB310 " " " "
KMC985 " Modesto, " " "	1331 KOA598 " Salem, " " "
1223 KMH231 " Adams, " " "	1342 KOB321 " Bend, " " "
1225 KFA409 " Bakersfield, " " "	1343 KON939 " Ashland, " " "
1227 KMD946 " Willows, " " "	1345 KON822 42.86 Columbia City, " " "
1230 KMH791 42.56 Lewiston, " " "	KYO267 42.94 Dallas, " " "
KMG428 " Garberville, " " "	1347 KOA315 " Newport, " " "
KMD892 " Indio, " " "	1350 KEP653 " Gold Beach, " " "
1232 KME408 " Bishop, " " "	1354 KOA418 " Astoria, " " "
1233 KME962 " Victorville, " " "	1356 KMJ410 45.10 S.F., CA-1g
1235 KMH700 " " " " "	1400 KMC927 42.34 Mariposa, CA-sp
1236 KMB440 42.08 Redwood City, " " "	KMD493 " Red Bluff, " " "
KMH724 " Lancaster, " " "	KDE673 42.14 Burney, " " "
1237 KMC988 " Fresno, " " "	12-1:
1239 KME923 42.18 Sacramento, " " "	1400 KRB523 39.82 Temple City, CA-p
1240 KZT491 42.34 Bryte, " " "	1420 KOA234 " Centerville, WA-"
1241 KMD592 " Hayward, " " "	1426 KOA534 " Spokane, " " "
1243 KME310 " Canby, " " "	1430 KOB304 " Pullman, " " "

VHF UTILITY DX

MARCH 1979

(Dickerson cont.)

12-1:				12-16:			
1430	KOH603	39.82	Olympia,WA-p	1206	KOG301	39.18	Safford,AZ-p
	KOA749	"	Morton," "	1215	KOF346	44.66	Tucson," "
12-3:				12-17:			
0930	tent	41.25	France (TV audio)	1556	KKD760	39.50	Marksville,LA-p
1045	tent	48.25	England (" " )	1557	KKI630	"	Monroe," "
12-4:				1600	KKC592	"	Lake Charles,""
1758	KGH735	42.88	Worland,WY-sp		KKC597	"	LaPlace," "
1600	KOG635	"	Evanston," "		KKC595	"	Leesville," "
	KOE521	"	S.L.C.,UT-"	1602	KKD335	"	Winnsboro," "
1602	KLM677	"	GardenCity,""		KKI629	"	Baton Rouge," "
1605	KJB902	42.66	Casper,WY-	1604	KKA720	"	BossierCity," "
1611	KOK639	"	Cody," "	1605	KKD439	"	Waco,TX-
1613	KJB903	42.82	Casper," "		KWX701	"	Vacherie,LA-
1615	KOF273	"	Laramie," "	1606	KKO900	"	LaPlace," "
	KOF249	"	Cheyenne," "	1610	KKA580	"	Clinton," "
1622	KOF271	"	Newcastle,""	1612	KKC223	"	Crowley," "
1627	KOG339	"	Thermopolis,""	1613	KKD409	"	Ruston," "
1630	KOK639	"	"	1615	KKD811	"	Homer," "
	KYQ524	"	Edgerton," "		KWX703	"	Convent," "
1631	KOI556	"	Lovell," "	1621	KQN972	"	Franklin," "
12-10:				1622	KKA512	"	Many," "
1236	KOG982	39.82	Twin Falls,ID-p	1624	KKC520	"	Coushatta," "
	KWV833	"	Payette," "	1625	KBR222	"	PortAllen," "
1239	KOA525	"	Moscow," "		KKC593	"	Alexandria," "
1242	KOG622	"	Helena,MT-		KKC621	"	Amite," "
	KOA766	"	Superior," "	1627	KUS545	"	Jeanerette,""
1244	KOF577	"	Glendive," "	1628	KTH552	"	Tallah," "
1245	KOM816	"	Harlem," "	1630	KKC469	"	Houma," "
1247	KOA824	"	BigMountain," "		KKA969	"	Thibodaux," "
1251	KTZ474	"	Malta," "		KKA687	"	Opelousas," "
1252	KOA580	"	Shelby," "	1633	KKA781	"	Arcadia," "
	KOG969	"	Jerome,ID-	1634	KZT467	"	Jackson," "
1256	KOB581	"	Billings,MT-	1636	KWV571	"	Donaldsonville,""
1257	KOB846	"	Libby," "	1639	KJB817	"	Bastrop," "
1259	KOG986	"	Gooding,ID-	1640	KKR860	"	Lafayette," "
1300	KOA823	"	Wolf Point,MT-"	1642	KKI675	"	Chalmette," "
	KOC493	"	Baker," "	1644	KDE400	46.38	Richardson,TX-f
1301	KOH651	"	Hamilton," "	1645	KDR781	"	Lancaster," "
1304	KXQ730	"	Glasgow," "		KKS372	"	Garland," "
1311	KYT214	"	Cut Bank," "	1650	KTF827	45.10	Lexington,OK- p
1317	KOA999	"	Kalispell," "	1653	KXF662	"	Austin,TX-
1321	KTG606	"	Butte," "	1657	KKT558	45.22	Tulsa,OK-
	KOM708	"	Poplar," "		KKC447	42.12	Gulfport,MS-
1325	KOI664	39.50	Billings," "	1700	KKQ929	45.22	Jackson," "
1327	KWQ516	"	Libby," "		KKC477	"	Gulfport," "
1328	KFF293	39.98	Helena," "		KKR244	"	Batesville," "
1330	KVJ882	47.58	Great Falls,"-lg	1706	KKR363	"	Senatobia," "
	KOG524	47.50	" " " "	1711	KKT500	"	Columbia," "
12-11:				1716	KTS783	"	CalhounCity," "
----	41.25	French	(TV audio)	1720	KKA982	"	Hattiesburg," "
12-15:				1723	KKL201	"	Canton," "
1900	KFZ732	44.62	Opelika,AL-sp	1725	KRZ374	"	Biloxi," "
	KIX588	"	AlexanderCity,""		KVD774	"	Ashland," "
1901	KDE709	46.06	Sarasota,FL-f	1730	KTA376	37.26	Lawrenceburg,TN-p
1930	KIP537	"	Englewood," "		KIC306	"	Memphis," "
	KSZ775	"	Venice," "	1731	KIH328	"	Sweetwater," "
	KYB777	"	Osprey," "	1734	KRT949	"	Dyersburg," "
	KJB957	46.08	Monroe,LA-	1736	KYQ597	39.82	Oliver Springs,""
	KIP536	46.36	Sarasota,FL-"	1745	KKR990	46.08	Ft. Worth,TX-f
	KIP504	47.50	Key West," -lg		KKM782	"	Bulles," "
12-16:					KKO966	"	Colleyville,""
1200	KLR514	39.50	Kingman,AZ-p		KRO300	"	South Lake,""
	KDF611	39.18	Cottonwood,""	1746	KKR795	"	N.Richland,""
1201	KOA348	"	Flagstaff,""	1752	KKC213	37.26	W.Memphis,AR-p

## VHF UTILITY DX

MARCH 1979

(Dickerson, cont.)

12-17:				12-30:			
1754	KLE911	37.26	Bentonville, AR-p	1806	KQB370	42.08	Dayton, OH-sp
1757	KKA614	"	Denton, TX-	"	1810	KQB382	" Bellefontaine, ""
1800	KKB232	"	Crockett, " "	1815	KSC804	42.16	Evansville, IN-
	KKH750	"	Terrell, " "	1817	KEA889	"	Warren, I " "
	KKD301	"	Marshall, " "	1830	KIB820	44.62	Mayfield, KY-p
1801	KKQ551	"	Dallas, " "	"	KIB854	"	Madisonville, ""
1802	KLI243	"	Alice, " "	1837	KIC568	"	Pikeville, ""
1803	KEY977	"	Texarkana, " "	1841	KOW434	"	Louisville, ""
12-20:				1845	KIA239	"	Bowling Green, ""
0730	KIB894	42.54	Raleigh, NC-sp	1847	KIC567	"	Richmond, ""
0735	KIB549	"	New Bern, " "	1856	KIA628	"	Williamstown, ""
12-21:				1900	KJN876	"	Morehead, ""
0800	KIA692	39.10	Scotland Neck, NC-p	1-6:			
	KIH639	"	Kinston, " "	0900	ORTF	41.25	France (TV aud.)
0830	KII671	"	Farmville, " "				
12-26:							(f-fire; lg-local government;
2031	KGW335	155.01	Atlantic City, NJ				p-police, sp-state police
2036	KDP285	155.25	Bargaintown, " "				

Donald L. Blevins, 1715 Earhart Road, Baltimore, MD 21221 Bearcat 210  
 f-wave Radio Shack CB groundplane cut to 42.54; \* QSLed, EST ? used

10-18:				12-3:			
0024	KKH889	37.24	Springdale, AR-p*	1238	KOE542	39.82	Roundup, MT-cp
10-19:				12-4:			
0009	KKC228	44.66	Newport, AR-sp*	1330	KDC310	"	GooseHump, ID-cp
0020	KQT926	37.24	Lonoke, " -p	12-12:			
0029	KTB319	37.12	Lake City, ""*	1304	KOA580	"	Shelby, MT-cp*
1406	KMD602	42.34	L.A., CA-sp	1328	KOA216	"	Great Falls, MT-""*
1415	KAY930	42.88	Reno, NV-""*	1329	KOE414	"	Columbus, " "
1423	KMD908	"	Santa Rosa, CA-""*	1302	KMD770	42.56	L.A., CA-sp*
1440	KBT571	42.12	San Diego, " ""*	1313	KSS280	39.82	Butte, MT-sp*
10-29:				12-28:			
1440	KMA224	39.52	San Rafael, CA-cp*	1532	KOB246	39.74	Spokane, WA-p*
10-31:				1702	KAA202	42.06	Lees Summit, MO-sp*
1429	KMB680	39.18	Benson, AZ-p*	1728	KSA775	42.60	Macomb, IL-sp*
11-2:				1731	KAA204	42.06	St. Joseph, MO-sp*
1519	KMA438	45.46	S.F., CA-p*	12-29:			
1615	KME311	42.08	Newhall, " -sp*	1856	KKC593	39.50	Alexandria, LA-sp
11-6:					KAA780	37.26	Bay City, TX-cp *
1116	KLP930	39.94	Fresno, CA-cp	1927	KKD302	37.18	Conroe, " "
1300	KME264	42.56	Barstow, " -sp*	1-2:			
1403	KOA348	39.22	Flagstaff, AZ-cp	1133	KMD934	42.34	El Centro, CA-sp*
11-7:				1545	KOB310	42.82	Roseburg, OR-sp*
1712	KMA628	39.20	L.A., CA-cp*	1-7:			
11-22:				1351	KBT355	39.18	Parker, AZ-p
1313	KOG986	39.82	Gooding, ID-cp	1401	KMA962	42.08	S.F., CA-sp*
1331	KOG381	"	Va. City, MT-""*	1-8:			
1335	KMA501	42.56	Stockton, CA-sp *	1121	KKV345	39.50	Denham Spgs, LA-p*
1402	KOG982	39.82	Twin Falls, ID-cp*	1147	KL850	42.12	Richmond, CA-sp*
1536	KMD435	42.34	Bishop, CA-sp*	1156	KDA712	42.56	Ukiah, " "

Solar flux news - January 1979 average of almost 204 is the highest of any month since August 1959 (234). The low for the month (179) was more than the Dec 1978 average, and the "highest low" since Aug '59 also. The smoothed average (set on Jul '78) is 149. This compares to the peak smoothed average of Cycle 20 (in 1970) of around 155. Cycle 21 peak may come sometime between the fall of '79 and the spring of '80. As the fall off from a peak is much more gradual than the rise, conditions as now exist should be with us for a few years after the peak as well.

European TV offset information - like the US TV channels the BBC and France employ offset frequencies for their carriers. However, unlike the US the offset for the sound and video are not always the same for a given channel (station). For those with accurate frequency readout capacity here are the audio carriers for the more powerful stations (audio erp in watts) \* only station using that freq.

41.230 Bastia (Corsica) (2500)*	41.250 Troyes (62000) Limoges (50000) Caen (12500)
41.46625 Llanddona (Wales) (1500)	41.516875 Ashkirk (Scot.) (4500)
41.48000 Redruth (Cornwall) (2500)*	Llandrindod (Wales) (350)
41.50000 Crystal Palace (London) (50000)	41.534000 Granton (Scot.) (100)
Divis (N. Ireland) (8500)	
Thrumster (Scotland) (1750)	
48.23000 Rosemarkie (5000)	48.270000 Londonderry (375)
48.25000 North Hessary Tor (3750)	48.281500 Swingate (375) *
48.25000 Holme Moss (25000)	48.297000 Oxford (162.5) *

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 Thanks to Roger Bunney in England for much of the above. He also noted that the French TV audio has been received lately in Australia! Other reports from the UK indicate that the Russian 49.75 video buzz via F2 is becoming more common.  
 -----

other news briefs -

Jan 6 - 48.25 BBC, 50.25 video, 43 California into US n.e.  
 1900z, Seattle getting 46 MHz from s.e. US  
 7 - 45 BBC into Conn  
 14 - 1430z, 48 & 52 video into Conn  
 1730z, 45 BBC " " "  
 1800z, 41.50 & 41.25 audio into southern California  
 15 - 1455-1518z, ZB2VHF beacon (50.035) into Nova Scotia  
 24 - 50-MHz Hawaii to BC  
 25 - 1335z, 50-MHz Colombia into Nova Scotia  
 26 - 1445z, " " " " "  
 27 - 1410z, " " " " "  
 1429z, 50-MHz Ecuador " " "  
 28 - ZB2VHF into Canal Zone 1245-1300z; MA to CA MUF 46 MHz  
 31 - 1400-1500z, 48.25 BBC  
 Feb 4 - 1400z, 45 BBC into RI

-----  
 Now, for my loggings. Hammarlund SP-600-JX-10, Hallicrafters SX-62, Radio Shack Patrolman (c. 1967), Allied A-2586, 49.5+ with Swan 250, Ameco nuvistor preamplifier, 5-el Cushcraft horizontal Yagi @ 23' (other antennas two 30' long-wires @ 12' with nw-se, se-nw runs); new underlined, daily F2 MUF peak(s) noted; \* Es, GMT used

1-6:		1-8:	
1517 BBC-1 41.50 England (TV aud.)		1700 KDA383 33.90 Milford, NH-f	
ORFT 41.25 France ( " " )		1701 KCA410 33.92 Wareham, MA--	
1615 ----- 35.58 Scranton, PA-vp		KCD497 33.64 Buzzards Bay, ""	
1621 KEA860 35.22 NY, NY-tp		1702 KCG964 33.76 Terryville, CT--	
1804 KOA796 35.58 Portland, OR-tp		1806 KOK418 35.46 (west)-mp	
1807 KUA288 35.22 " " "		1857 ----- " Oakland, CA--	
1-7:		1903 low-41 Canada ?	
1555 hi-37 Spanish		2020 KOB238 37.48 Seattle, WA-light	
1604 KCC482 35.22 Concord, NH-vp		2334 38.94 Russian	
1745 KUA288		1-9:	
1-8:		1520 BBC-1, ORFT; 1543 KEA860	
1633 KOP303 35.46 Langley, WA-mp		1553 mid-42 Span.; 1605 mid-40 Can.	
1647 KUA288		1658 Scranton	
1650 ----- 35.26 Eugene, OR- "		1700 KCI233 33.66 Watertown, CT-f	
1651 KCA305 37.54 Eddington, ME-u		KCA410	
1659 KDA381 33.90 Wilton, NH-f		1701 KCI315 33.64 Beacon Falls, ""	

## (Dyer cont.)

1-9:  
 1702 KCG694  
 KRZ270 33.90 Fenton, NY-f  
 1703 KGG867 33.86 Milford, PA-cf  
 1815 KOB238, 1929 KOA796  
 2004 KUA288, 2046 KCA305  
 1-10:  
 1611 KCA305, 1635 low-40 Canada  
 1700 KCA410, 1702 KCG694  
 1709 KCI299 35.22 New Haven, CT-tp  
 KEA860  
 1945 KUA288, 1948 KOP303 35.46  
 1954 KOK418  
 1-11:  
 1505 40.85 Spanish, 1700 mid-37 US  
 1805 KUA288, 1856 KOP303 35.62  
 1856 Eugene, 1942 " 35.46  
 1-12:  
 1650 37.6 tentative Brazil  
 1700 KCD497 33.64  
 2013 KOP303 35.46  
 2029 KCD453 33.90 Hanson, MA-f  
 1-13:  
 1515 35's US, 1523 41.62 Spanish  
 1659 KCA639 33.90 W. Wareham, MA-f  
 KOC382 33.94 Warren, NJ- "  
 KCJ825 " Bedminster, " "  
 1700 KCF944 33.54 Brattleboro, VT- "  
 1-14:  
 1625 BBC-1, ORTF  
 1634 KEC515 35.58 Albany, NY-tp  
 1636 tent. 45 BBC video buzz  
 1645 mid-40 Can., 1735 39 US ?  
 1841 KCA305, 1903 KOP303 35.46  
 1906 KUA288, 1907 KOA796  
 1-15:  
 1430 49.6, 1534 ORTF  
 2117 KOP303 35.46  
 2144 " 35.62  
 2159 KDC288 33.90 Hollis, NH-f  
 KBZ283 " Orford, " -rf  
 KDA383  
 2201 KJP373 " Gilmanton, " -f  
 KEV999 " Storrs, CT- "  
 2217 KEM734 33.94 Canton, " -vf  
 2223 mid-38 Can.; KCA305  
 2248 KCF337 33.70 Boylston, MA-f  
 2251 KEA847 33.96 Bernardsville, NJ- "  
 2255 KCE869 33.70 Prospect, CT-vf  
 2256 KCH585 " Rutland, MA-f  
 2259 KCJ825, 2300 KCI233  
 2301 KLU346 33.78 Manchester, NJ-f  
 KCB951 33.70 Wells Beach, ME- "  
 2302 KCE457 " Newtown, CT- "  
 KCA276 33.94 New London, " "  
 2303 KRI603 33.82 Spotswood, NJ-vf  
 2304 KCB404 " Ashburnham, MA-f  
 2307 KOA796, 2308 KUA288  
 2324 KCF314 33.66 Tyngsborough, ""  
 2341 KCD556 33.70 Orleans, ""  
 2354 KCA695 33.78 Manchester, NH- "  
 1-16:  
 0000 KCK671 33.90 Lake George, NY-cf  
 1459 KCA695; 1508 KCI299, KEA860  
 1-16:  
 1540 ORTF, 1600 42.32 Spanish  
 2205 36 Canada  
 2235 37.45 Russian  
 1-17:  
 1547 ORTF, 1600 BBC-1  
 1657 ----- 35.22 Wilkes-Barre, PA-vp  
 1702 KEA860, 1725 low-40 Canada  
 1855 KOP303 35.46  
 1-18:  
 1532 ORTF, BBC-1  
 1545 hi-37 NH, low-40 Can.,  
 mid-42 ?  
 1607 Scranton, 39's US  
 1754 KEA860, 1826 KUA288  
 1837 KOP303 35.46, 1845 KCA305  
 1-19:  
 1505 hi-46 Spanish  
 1540 ORTF, 1543 BBC-1  
 1550 hi-37 US, 1609 Scranton  
 1620 mid-40 Can., 1659 KCJ825  
 1700 KCI233, KCA410 33.90  
 1934 KOA796  
 1937 KLF527 35.22 Honolulu, HI-tp  
 2140 KOP303 35.46, 2149 KCB404  
 2159 KDC288, KDA381  
 2200 KCD384 33.94 Manchester, CT-f  
 2201 KCD346 33.80 Tolland, " "  
 1-20:  
 1435 41.62 Spanish  
 1625 mid-37 US, 1630 ORTF  
 1635 BBC-1  
 1658 KJP390 33.70 West Point, PA-vf  
 1702 KCB346, 1706 KCI299  
 1707 KEA860, 1709 KUA288  
 1725 KOA796, 1727 KOK418  
 2200 KJY884 33.8- West Chester, PA-cf  
 2201 KGE450 33.98 Allentown, " "  
 2246 KCF582 33.70 Thomaston, ME-f  
 1-21:  
 1610 BBC-1, ORTF; 1622 KCD346  
 2128 KUA288  
 1-22:  
 1515 41.62 Spanish  
 1535 BBC-1, ORTF; 1558 hi-40 Can.  
 1743 KCB238, 1750 mid-40 nr Seattle  
 1-23:  
 1520 41.62 Spanish  
 1830 KCA346 37.54 Ellsworth, ME-he  
 1835 KCA305, 1849 KOK418  
 1907 KOA796, 1916 KOB238  
 1929 KOP303 35.46, 2046 KUA288  
 2059 KDC288  
 2100 KCC960 33.72 Bloomfield, CT-f  
 KCL224 33.86 Limerick, ME- "  
 2224 KCE537 33.70 Sterling, MA- "  
 2250 KCU288 33.62 Leicester, " "  
 2258 KCH239 33.70 W. Boylston, " "  
 2259 KCD353 " Lancaster, " "  
 2300 KBA887 " Bolton, " "  
 2301 KCC825 " Kennebunk, ME- "  
 2302 KCN857 33.78 Winchendon, MA- "  
 KLI380 33.90 Ctr Sandwich, NH- "

(Dyer, cont.)

1-23:  
 2304 KCB404  
 2305 KCN366 33.54 Sunderland, MA-f  
 2314 KCF574 33.70 Mashpee, " "  
 1-24:  
 1425 KEA860, 1430 hi-37 US  
 1431 Wilkes-Barre, 1445 41.62 Sp.  
 1603 KCA305, 1633 BBC-1  
 1715 KOB238, 1822 KOP303 35.46  
 1825 KOA796  
 1-25:  
 1828 KUA288, 1846 KOP303 35.46  
 1856 KOA796  
 1-26:  
 1515 K4ERO/HCl 50.11 Ecuador-a  
 1613 Scranton, 1615 Wilkes-Barre  
 1650 39 US ne, mid-40 Canada  
 1720 hi-37 MA, 1739 KEA860  
 1753 KOB238, 1825 hi-39 Alberta  
 1830 KUA288, 1925 KCI299  
 2249 KEA847  
 2300 KQL920 33.7- Easton, CT-f  
 2302 KCE287 33.94 Rocky Hill, ""  
 2304 KED845 33.82 Woodbridge, NJ-"  
 KCB404  
 2315 KCD473 33.70 Wolcott, CT- "  
 2316 KED736 33.86 Fair Lawn, NJ- "  
 2320 KCA346  
 2324 KCG249 33.70 Southbury, CT-vf  
 2327 KCE527 " Woodbury, " -f  
 2329 KCB669 " New Milford, ""  
 KVA379 33.84 W. Albany, NY- "  
 2330 KEG722 33.86 Ramsey, NJ- "  
 2334 KXV489 33.94 Granby, CT- "  
 2335 KCD411 " Unionville, " "  
 2340 KDN955 33.90 Old Mystic, " "  
 2343 KCD556 33.66, 2350 KLF527  
 1-27:  
 1505 K4ERO/HCl, 1616 Scranton  
 1625 Wilkes-Barre  
 1656 KCA460 37.18 E. Hartford, CT-p  
 1702 KEA223 37.10 Watertown, NY- "  
 1704 KCD926 39.62 Bangor, ME-cp  
 1732 KCA457 39.-- Natick, MA-p  
 1758 KCA305, 2027 KUA288  
 2230 KCA695 (1920 mid-43 Can. ?)  
 1-28:  
 1406 ----- 35.58 OK City, OK-vp \*?  
 1412 KEA860, 1413 Wilkes-Barre  
 1415 Scranton  
 1419 KIP653 35.22 Memphis, TN-tp \*  
 1445 ORTF, 1515 50.090 south-east  
 1617 BBC-1, 1740 44-45 ? Canada ?  
 1800 low-43 Edmonton, ALTA  
 1830 43 Pudget Sound area; 43.58 ?  
 1849 KUA288  
 1910 KH6IAA 50.11 Hilo, HI-a  
 2025 KOB238, 2115 KOA796  
 2250 KCU288  
 2301 KCD511 33.70 Camden, ME-f  
 KCE681 " Rockland, ""  
 1-29:  
 1459 ORTF, BBC-1; 1510 hi-37 US  
 1525 hi-46 Spanish

1-22:  
 1553 BBC-Divis, N. Ireland  
 1605 41.6 Canada, 1703 Wilkes-Barre  
 1705 Scranton, 2005 KUA288  
 1-30:  
 1520 ORTF, 1530 BBC-1  
 1610 low-43 Spanish ?  
 1700 37's US, 1748 KUA288  
 1759 mid-41 Canada (41.4)  
 1825 ----- 35.38 Sacramento, CA-mp  
 1930 KLF527, 2009 KOP303 35.62  
 2012 KOP303 35.46  
 2258 KCW348 33.90 Ft. Fairfield, ME-f  
 1-31:  
 1431 KCA305, 1445 44.03 Spanish  
 1455 ORTF, 1533 Wilkes-Barre  
 1557 BBC-1, 1622 Scranton  
 1630 hi-39 US, 1706 KCA346  
 1710 low-43 Canada, 1902 KCC482  
 2300 KCD511  
 2-1:  
 1455 ORTF, 1540 BBC-1, 1540 39 US  
 1547 Scranton, 1548 W.-Barre  
 1713 41.4 Canada, 1900 46.55 Spanish  
 2017 KOP303 35.46  
 2-2:  
 0015 hi-36 Russian, 1419 KCC405  
 1420 ORTF, 1430 BBC-1  
 1440 40.05 Russian  
 1458 BBC-1 45-video buzz  
 1515 low-43 Canada, 1520 39 US  
 1600 44.06 Spanish ?  
 2028 KOA796, KUA288  
 2107 KOP303 35.62  
 2120 45.25 N. Zealand video buzz  
 2236 KOP303 35.46  
 2257 KCD658 33.70 Westminster, MA-f  
 2300 KCC532 33.58 Plainville, CT- "  
 KIB278 33.84 Plymouth, NH- "  
 2301 KCD454 33.9- Hyannis, MA- "  
 2302 KDA481  
 2315 KCC493 33.94 Simsbury, CT- "  
 KCD288  
 2-3:  
 0020 36.95 Russian, 40.75 same ?  
 1440 BBC-1 (very faint)  
 1651 KCC359 39.6- Hallowell, ME-cp  
 1700 KEA323 37.18 New City, NY- "  
 1732 low-43 Canada, 1802 KCI299  
 1802 KEA860, 2148 KCA305  
 2230 KCF918 33.62 Uxbridge, MA-f  
 2231 KCC957 33.70 Bethel, CT- "  
 2236 KDQ223 33.82 E. Brunswick, NJ-"  
 2239 KEE675 " Middlesex, " "  
 2249 KCC532  
 2250 KEG253 33.82 Fords, NJ-f  
 2255 KCE869 33.70 Prospect, CT-vf  
 2259 KBA887 " "  
 KCD575 " Cheshire, " -f  
 2300 KJY884  
 2301 KGE633 33.90 Harrisburg, PA-f  
 2303 KED485  
 2304 KCE844 33.70 Greenfield, MA-"  
 2308 KUA288

(Dyer, cont.)

2-3:				2-4:			
2310	KCA633	33.90	Middleboro, MA-f	1401	KCD760	33.70	Osterville, MA-f
2311	KCC672	33.94	S. Windsor, CT- "		KCE781	"	Barnstable, "-cf
2312	KEA847			1402	KCD845	"	Brewster, "-f
2313	KCH209	33.9+	Waterford, CT- "		KCD574	"	Eastham, " "
2317	KCC493,	2333	KCD411	1415	ORTF		
2335	KCF594	33.86	Darien, CT-cf	1555	hi-37 US, BBC-1;	1604	W.-Barre
	KEM734			1915	Scranton, 1943	46+	Spanish
2353	KCD472	33.94	WindsorLocks, "-f	2-5:			
2359	KCF562	33.70	Roxbury, " "	0108	KLF527,	0109	KUA288
2-4:				1400	KCD454	33.70	
0000	KDC288			1401	KCD244	"	Falmouth, MA-f
	KRB627	33.86	Colonie, NY-f		KCD246	"	S. Yarmouth, ""
0001	KCE691	"	Weston, CT- "		KCD271,	KCE288	
0002	KCF364	33.78	Brookline, MA-"		KCF319	33.70	W. Barnstable, ""
0004	KCC284	33.7-	Tolland, CT- "		KCF358,	KCD492,	KCD497,
0007	KCH954	33.70	N. Brandford, ""		KCD500	33.70	Wellfleet, MA-f
1401	KCD271	"	Harwich, MA- "		KCD556	"	
	KCE288	"	W. Tisbury, "-cf	1402	KCF574,	KCD594,	KCD697,
	KCF358	"	Centerville, "-f		KCB781,	KCD845,	KCD574
	KCD492	"	DennisPort, " "	1420	ORTF;	1456	KCI299,
	KCD497	"		1458	BBC-1,	1625	low-44 US
	KCD498	"	Sandwich, " "	1702	44.85	N.B. Canada;	1832
	KCD556	"	KCF574	2105	46.73	Spanish,	2159
	KCD594	"	Chatham, " "	2339	KDR433	33.50	E. Hartford, CT-f
	KCD697	"	Provincetown, ""	2346	KVA299	33.84	Colonie, NY- "

Randall E. Clark, Route 5 - Dutch Ridge, Parkersburg, WV 26101 GMT

EBC B-1 video (45):

1-6: 1510-1518    7: 1515-1520    21: 1606-1615

ORTF (R.F.I.) 2nd harmonic (43.17)

12-27: 1613-1800    28: 1528-1705    31: 1406-1600    1-4: 1700-1730

1-5: 2012-2025    17: 1500-1725

& 1415-1600

EBC B-1 audio (41.5)

12-29: 1451-1630    30: 1515-1540    1-2: 1645-1702    4: 1500-1600

1551 Davis    1705-1725

1-5: 1400-1442    6: 1448-1552    7: 1440-1630    8: 1455-1550

1506-1554    1608-1614

1627-1637    1628-1652

9: 1418-1642    10: 1400-1550    11: 1540-1615    12: 1625-1715

1650-1715    14: 1600-1635

17: 1500-1720    20: 1600-1708    15: 1544-1640    16: 1520-1525

21: 1540-1652    22: 1400-1805

(several f/outs)

23: 1618-1646    24: 1505-1514    25: 1445-1700

1556 Scotland

26: 1500-1545    27: 1400-1500    30: 1410-1805    31: 1335-1615

ORTF F-2 audio (41.25)

1-5: 1428-1441    6: 1450-1607    15: 1503-1638    17: 1523-1720

1519-1554    1630-1650

21: 1540-1650    22: 1450-1625 (Bastia & Troyes separate programming)

28: 1545-1645    29: 1540-1630

"some of these times are tentative...either estimated or cut off when I left etc."

This represents the largest column yet for the nine years I've handled it. The only "complaint" I might have is at the lack of reports from the more western members of the club. It would be nice to see some hi-40's in the east heard in the west.

73, Pat

WAS1YX

# IN

# SEARCH OF PSB

Donald L. Blevins  
1715 Earhart Road  
Baltimore, MD 21221  
phone 574-2714  
Deadline: 10th

## IN SEARCH OF....Technique

The passing of six years of public service DX'ing has brought to light some basics elementary to everyone in the field of public service radio communications. This basic technique is the end result of training by the oldest of all teachers...experience. Many may seek to challenge what others have learned through experience, but the tried and true method of learning seems to prove wrong seldom.

Although basic radio communications may be changing, one basic element remains unchanged...that is the human element. Your dealings in a world of rapidly changing technology remains to be with the human element. My report to you this month will be with the human element

When dealing with a PSB station, you are reminded to observe these basic cardinal rules, as you are dealing with a station who's reason for existence is different than any other type of broadcast station.

- 1) Public Safety Stations are not required to keep broadcast logs, due to a change in law, so attempt to report an item of which a record would have to be kept. Here are some basic examples:
  - a) Traffic accident show location, time, and unit investigating
  - b) Major Crime alert: crime, method of committing, time, suspect description, and route of escape
  - c) Routine Complaint: type of complaint, address, unit assigned, time
  - d) Motor vehicle registration information and or drivers license information (both items are not covered by the Privacy Act, but are in fact part of public domain)
  - e) Stolen motor vehicle broadcast: show registration, last time vehicle was known to be in owners possession, and of course time and vehicle description
- 2) Public Service Stations do not maintain personnel familiar with reception reports. Make your request as plain as possible in simple language with pre-prepared QSL and RETURN POSTAGE!!!
- 3) Avoid sending a second report to the same location. This type of duplication very often leads to departmental policies that tend to obstruct from the verification of "SWL Contacts".
- 4) Be courteous! The impression you might make could decide the fate for other DX'ers. Never but never make your report in the form of a demand.
- 5) Avoid the use of the names of juveniles in your report. This can be a sensitive area with many public service agencies.
- 6) When reporting a station from a time zone not your own, make sure your report is in the time zone of the station being reported. Your information will be on file in the local time zone of the agency.



Information Highlights....From our readers come information of service:

Bill Phillipson 18954 Fendergast Cupertino, CA 95014	reports:-	Harford County, Maryland
Santa Clara County Transit 489.0375 KVZ 588 San Jose, California	-----	Aberdeen PD 37.18 KUI 666 Aberdeen PD 37.30 KGC 641 * Bel Air PD 37.22 KFN 443 Bel Air PD 37.30 KFN 443 * Havre de Grace PD 37.30 KGC 581 # Harford County SO 37.20 KUV 669 Harford County SO 37.20 KLG 601 Harford County SO 37.30 KBW 789 * Harford County SO 37.30 KGA 936 *
Dave Hascall 211 N. Merrill St. Fortville, IN 48040	reports:-	
162.55 NOAA Weather Radio: KEC 74 Indianapolis, IN switches operations to: WXK 64 Greenfield, IN	-----	* Indicates use as police intersystem, as Harford County Sheriff operates the computer for all Harford County Municipal Agencies. Harford County bases KUV 669 & KBW 789 are located in Bel Air, Maryland. KLG 601 & KGA 936 are located in Forest Hill, MD.
Delaware State Police	-----	District of Columbia Sanitation 37.10 KSO 592
44.86 45.02 154.665 154.695-	-----	
KGA 283 Bridgeville KGA 813 Georgetown KGA 814 Bellefonte KGA 815 State road KGA 816 Camden KGF 226 Rehoboth KGF 215 Dover KQR 469 Odessa KTA 995 Lewes	-----	Adams County Sheriff's Office KCa 936 45.10 Gettysburg, PA York County Sheriff's Department York, PA 45.10 - 45.58 KLU 464/KUP 229 Montgomery County Police Department 45.26 45.34 45.38 45.46 45.78 KGA 243 Eagleville, PA
Virginia State Police	-----	Charles County Sheriffs Department 45.14 45.64 45.40 KBG 791 Waldorf, MD Bedford County Sheriff's Department 45.10 45.14 KXA 870 Bedford, PA Alleghany County Sheriff KDG 881 39.18 Midland, MD Control point: Cumberland, MD Garret County Sheriff KYG 343 39.18 Mc Henry, MD control point: Oakland, MD Washington County Sheriff KYI 857 39.18 Hagerstown, MD Control point: same
42.86 Base 42.70 Mobile 42.88 Base 47.68 Mobile	-----	
KIB 701 Appomatox KIC 367 Culpeper KIC 368 Wytheville KIC 410 Chesapeake KIC 365 Richmond KIC 825 Melfa KID 667 Salem	-----	

I thought these might be good bets for low band skip, so give them a whirl. How about your locals? I appreciate your contributions; this months was very slim, as illudtrated by the percentage of my own information....so how about it? Surely more of you all have something to submit!!!

Don

*Don*



# STATISTICS

Fred Norquist  
7945 Boxford Road  
Clay, NY 13041  
Deadline: the 10th

March 1979

## FM SCOREBOARD

DXer, Location	Rank	Total	83-92	Es	MS	Au	USA	CN	MX	FO	TPU	YB	As of:
Bruce Elving, Duluth MN	1	1449	124	680	8	8	44+	3	1	0	49	48	8/25/78
Pat Dyer, San Antonio TX	2	1268	147	1035	19	0	41+	2	6	3	53	70	8/31/78
John Ebeling, Bloomington MN	3	1171	168	617	25	75	46+	4	3	0	54	52	11/22/78
Michael Dalton, Clearwater FL	4	1149	235	662	7	0	41+	2	12	12	68	72	8/20/78
Peter Sawatzky, Guelph ON	5	1039	146	477	108	5	38+	7	0	0	47	71	12/3/78
Fred Nordquist, Clay NY	6	1005	137	434	21	39	39+	4	0	2	46	69	2/18/79
Fred McCormack, Des Lacs ND	7	937	119	705	21	71	44+	6	3	0	65	65	11/10/78
Mike Bugaj, Enfield CT	8	912	113	457	4	13	37+	3	0	1	42	74	8/30/78
Danny Buntin, Stillwater OK	9	903	105	518	0	0	44+	4	8	0	57	74	7/1/78
Joseph Fala, So. Plainfield NJ	10	824	165	377	2	9	37+	3	0	3	44	68	8/19/78
Ralph Strobel, Muncie IN	11	744	180	51	4	5	26+	3	0	0	30	72	11/20/78
Hank Holbrook, Chevy Chase MD	12	717*	161	186	11	-	35+	4	0	3	43	59	11/13/78
R.E. Lyons, Belleaire Eluffs FL	13	704	200	420	2	0	-	-	-	-	-	75	8/1/78
Richard Steinberger, Hudson MA	14	526	102	236	7	6	33+	2	0	0	36	-	2/2/79
Jim Pizzi, Orcutt CA	15	496	62	271	3	0	19	2	3	0	24	72	8/25/78
Robert Sowinski, St. Clairsville OH	16	437	58	70	1	0	27+	2	0	1	31	77	11/25/78
Vernon Eaton, Benton AR	17	363	38	1	-	-	-	-	-	-	-	77	1/6/79
John M. Jefferson, Concord CA	18	351	68	121	53	0	20	2	2	0	24	57	8/18/78
Fred McCormack, Fargo ND	19	275	40	130	0	38	37	3	0	0	40	74	11/19/78
John Ebeling, Prossit MN	20	267	34	77	1	0	31+	4	0	0	36	75	11/1/78
Michael Scheel, Walcott IA	21	232	25	10	0	0	17+	1	0	0	18	71	11/18/78
Michael Hogan, Highland IN	22	227	44	16	0	0	16	1	0	0	18	76	6/5/78
Eric Fader, Bayside NY	23	208	44	3	0	0	11+	1	0	0	13	74	8/22/78
Frank Wheeler, Erie PA	24	136	16	0	0	0	5	1	0	0	6	64	6/19/78

\* Verified.

Pre-1978 updates have been dropped from the standings. I urge you to send in your updates before the new Es season sets in this spring. A recap of the column definitions follows: TOTAL means the total number of FM stations logged. (Frequency changes count as a new station, call letter changes DO NOT count.) 83-92 is all stations logged from 88.0 to 91.99 MHz. Es means the total number of stations logged via 3-skip. MS is the total by meteor scatter. Au is the total via aurora. USA means the total number of states and the + means Washington DC. CN is the number of Canadian provinces logged; MX is the number of Mexican estados (or states) logged; FO means the number of foreign countries logged, but NOT Canada or Mexico. TPU or "total political units", is the sum of USA CN MX & FO. YB is the year you began FM DXing.

## 90 MHZ DISTANCE RECORDS

FREQ.	PROP	CALL	LOCATION	MILES	DXER, LOCATION
90.0	Es	YSU	ES San Salvador	1205	Glenn Hauser, Von Ormy TX
90.1	Es	KCBX	CA San Luis Obispo	2255	Michael Dalton, Clearwater FL
	Tr	KFFT	TX Houston	785	Andy Bolin, Charleston IL
	MS	WMBI	IL Chicago	1065	Glenn Hauser, Von Ormy TX
	Au	WMBI	IL Chicago	600	Fred Nordquist, Clay NY
90.3	Es	XHIS	BCN Tijuana	2075	Michael Dalton, Clearwater FL
	Tr	WHLA	WI Holmen	800	Larry Vogt, Springfield VA
	MS	WHLA	WI Holmen	1085	Glenn Hauser, Von Ormy TX
	Au	WBCL	IN Ft. Wayne	705	Fred McCormack, Fargo ND
90.5	Es	KXCV	MO Maryville	1500	W.T. Ryan, Victoria BC
	Tr	WKAR	MI East Lansing	930	Richard Wood, Baton Rouge, LA
	MS	KXCV	MO Maryville	970	Fred Nordquist, Clay, NY
	Au	KXCV	MO Maryville	935	Larry Vogt, Springfield VA
90.7	Es	WHAD	WI Delafield	1800	John Jefferson, Concord CA
	Tr	WSMC	TN Collegedale	885	Glenn Hauser, Von Ormy TX
	MS	WHAD	WI Delafield	885	Waldo Bishop, Tallahassee FL
	Au	KAMU	MO St. Louis	835	Joseph Fala, So. Plainfield NJ
90.9	Es	WETA	DC Washington	1390	Fred McCormack, Des Lacs ND
	Tr	KUNI	IA Cedar Falls	820	Fred Nordquist, Clay NY
	MS	KCMW	MO Warrensburg	885	Larry Vogt, Springfield VA
	Au	KUNI	IA Cedar Falls	600	Fred McCormack, Des Lacs ND

Hats off to Michael Dalton and John Jefferson for their 2Es (double-hop) distance records on 90.1, 90.3 & 90.7. Those of you who cashed in on the long haul tropo DX of 8/20-21 of 1978; please send in your distance records. Next time will be 91 MHz records. I'm going to include coverage of Canadian provinces in the next update to the STATES STATS,

# QSL CORNER

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

PSB-QSL

AR KTR-319 37.12 Lake City, City PD, Box 13, 72437. prepared card Blevins  
KKH-889 37.24 Springdale, 2 2nd St. 72764. Send back prepared card Blevins  
CA KME-264 42.56 Barstow, 300 E. Mountainview, 92311. Send back prepared card, and  
KME-311 42.08 Newhall, P. O. Box 932, 91321, California Highway Patrol, send back  
was signed by Don Jamison, Eng. for CHP Blevins  
KAW-383 39.16 Novato, P. O. Box 578, 94947. Prepared card signed by Wanda  
Brown, reply in 2 weeks. Yingling  
KTC-780 33.44 Wrightwood, San Bernardino County Fire, P. O. Box 282, 92397  
send back prepared card, signed by Teresa Morrison, Dispatcher. Yingling  
ID KOG-969 39.82 Jerome, 127 South Adams, 83338. Jerome County PD send back prepared  
qsl card, signed by Deanie Moore, Record Clerk. Dickerson  
IL KSB-235 42.56 Maryville, Illinois State PD Radio Station 11, State Route 159, 62062  
send back prepared card, signed by Thomas Stewart, Supervisor says  
'We are glad to know that our equipment is functioning properly and  
can be heard in Maryland.' Yingling  
IN ? 156.105 Madison County Highway, Dept., 2830 W. 8th, Anderson, 46011. send  
prewritten letter with 15c stamp was used, signed letter & reply in  
10 days from Byal Kearns, Supt. "Out liscense show tx base 156.105  
& mobile 159.045Mhz. Hascali  
MT KOA-766 39.82 Superior, Mineral County Sheriff Dept, P. O. Box 146, 59872. Send  
back prepared qsl card, signed by Valerie Johnston, Secretary. Dickerson  
KOB-568 39.82 Polson, Lake County Sheriff Dept. Send back prepared qsl card signed  
by Glenn Frame, Sheriff who says 'That's a great distance for a bunch  
of cowboys to transmit. Thanks for letting us know.' Yingling  
NV KOH-420 42.88 Reno, Nevada Highway Patrol. send prepared card from eng.dept. Blevins  
TV-QSL

Northern Ireland BEC-1 British Broadcasting Corp, Engineering Information Dept, Broadcast  
House, London W1A 1AA, Great Britain for reception of Divis, N. Ireland on channel B-1  
on 41.50Mhz sound track on F-2 reception. Send qsl card & map showing city locations, with  
reply in 18 days. Clark  
CT WEIH 24 Hartford, 24 Summit St, 06106. Letter from John Kean, V. Pres. of Eng.  
Schutz  
WVIT 30 New Britain, 1422 New Britain Ave, West Hartford, CT 06110. Send outdated  
postcard from W. Canora, Chief Engineer for former WHNB. Schutz  
IN WBAK 38 Terre Haute, Box 719, 47808. Letter from Doug Parker, PD. Eddie  
WFFT 55 Ft. Wayne, Box 2255, 46801. Letter from James E. Miller, CE Eddie  
WIPB 49 Muncie, 246 Minnestrista Blvd., 47303. Letter from George E. ? unreadable,  
Chief Engineer. Eddie  
MA WNAC 7 Boston, Government Center, 02114. Letter from Kenneth D. Gowan, CE with the  
reply back in one week. Cotton  
NJ WCNC 40 Wildwood, 3010 New Jersey Ave, 08260. QSL Card signed by Carlton S. Owen,  
VP of Eng. reply in 5 days & SASE used. Wolf  
OH WUAB 43 Cleveland, 8443 Day Drive, 44129. Letter signed by Harry Sjkora, Chief  
Engineer, with reply in 6 days with SASE used. Wolf  
PA WPVI 6 Philadelphia, 4100 City Line Ave, 19131. Letter from Irwin Ross, CE. Schutz  
WPHL 17 Philadelphia, OSL Card from Walt Bundy, WPHL-TV, 19118 Schutz  
WTAF 29 Philadelphia, OSL Card from Chief Engineer (could not read name) 4th &  
Market St. 19106 Schutz  
WKBS 48 Philadelphia, 3201 S. 26th St, 19145. Very friendly letter from Glenn  
Romsos, Chief Engineer. Schutz  
TN WDCN 8 Nashville, P. O. Box 12555, 37212. Card in envelope from Carl Shirley, CE  
reply in 11 days & says good dxing in future. Traska  
TX KRGV 5 Meslaco, Box 626, 78596. Card back in 10 days with map. Hascali  
Reporters this time are Don Blevins & Tom Yingling of Baltimore, MD, Neil Dickerson of  
Sharttown, MD, Dave Hascali of Fortville, IN, Randall Clark of Parkersburg, WV, Richard  
Eddie of St. Louis, MO, I. Schutz of Brooklyn, NY, Edward Cotton of Chesapeake, VA, Jeff  
Wolf of Silver Spring, MD and Paul Traska of Buffalo, NY. This month I got 2 new reporters  
and PSB QSLs are back. If anybody needs help in QSLing PSB write to Don Blevins & his  
column In Search of PSB. 73's for now. Hope you got some f-2 skip like above qsl'ed psb's.



# WORLDWIDE TV-FM DX ASSOCIATION

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