

From The Staff:

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

F2 CONDITIONS STILL AMAZE DXERS...Even though we're now moving quickly away from the peak activity of Sunspot Cycle 21, things are still more than a bit surprising. While F2 DX naturally hasn't been quite like last year at the same time, things have still proved very interesting. For instance, New York DXer Jerry Pulice reports "almost daily" suspected reception of Rhodesian video during the past few weeks, as well as definite transAtlantic viewing of the U.K. (and some continental European) signals below 50 MHz. This month's VHF UTILITY DX column details some of the other surprises. However, while it may seem that F2 DXers have had a great season, there hasn't been any widespread sign of transAtlantic or transPacific video signals above 50 MHz this season--the last of it may well have taken place last winter.

NEW EASTERN TV DX EDITOR...We're pleased that Wisconsin DXpert Bill Draeb has volunteered to take over the EASTERN TV DX report column. Bill is well known among avid TV DX enthusiasts, and has one of the best TV DX set-ups in the Midwest, along with a great location. A veteran DXer and former editor of the old VUD CENTRAL TV DX section, Bill is always in touch with current DX conditions. We're glad to have him back on the VUD staff; you can send your TV DX reports to him at: Ellis St., R.R. #2, Kewaunee, Wisconsin 54216.

STATE OF THE CLUB...WTFDAers are urged to read the annual report from club HQ on page 3 of this issue. With increasing costs now a fact of life, any DX club will need to grow in order to survive. We constantly need your suggestions and feedback--this report should give you an idea on how you can help out. Don't just sit there--you'll get more out of the DXing hobby by supporting your club and spreading the word about DXing to others.

ON THE COVER...The coverage map on this month's cover shows the approximate service area of Mexico's first major UHF TV outlet, XH1J-TV, channel 44, in Ciudad Juarez, Chih. Our thanks to El Paso, TX DXer Richard Clark for this one.

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INSERT: WTFDA Membership List, January 1981

State of the Club

1980 was a relatively quiet year as far as club activities were concerned. This report will deal with some of those activities, plus what we can look forward to in 1981.

Club membership dropped in 1980, the first decrease since the NW Indiana crew took over the publishing duties in late 1975. After peaking out at 398 members, WTFDA finished the year with 362. The decline was due primarily to a drop in renewals. Many long time members failed to renew, citing either lack of interest in the hobby or financial difficulties. Many who joined only for one year were also among the 1980 casualties. We were buoyed membership-wise by the great number of new members coming into the club. A string of late issues in the middle of the year also contributed to the membership decline, but that problem seems to have been ironed out at year's end.

One thing we can point to with pride, especially if one notes the problems other clubs have, is the stability of our editorial staff. The only resignations during the year were John Combs from the FCC TV column and Robert Kramer from Eastern TV. Both did an excellent job. Otherwise, many of the editors we now have have held their positions for several years. We're proud of our editorial staff, which we consider the finest in the DX hobby.

Club HQ constantly receives inquiries as to when the new TV Station Guide will be out. 1980 again failed to produce the long awaited 2nd edition, but there's good news on the way. In 1980 we purchased information for the Guide from TV Factbook so we would be assured of having the most complete and up-to-date information at publication. Morrie Goldman continues to update the information with recent TV changes, while Ron LeBlanc updates the maps. Hopefully, a new TVSG will be out by spring 1981, just in time for the DX season. Our apologies to those of you who have waited so patiently for the new Guide.

No new publications were issued by WTFDA this year. There were few changes in the Translator List, and little time for anyone to compile an update. Hopefully, if enough new information comes out, we will have an update in 1981. A new and expanded printing of Beyond Shortwave has just been completed, eliminating the many typographical errors which plagued the previous printing. We still have a plentiful supply of Educational FM Guides and Ondas FMs around for those interested.

Again this year, a mass mailing was made to approximately 200 IRCA/NRC members. The response was disappointing, though, as it produced only 7 new members. No mailing was made to NASWA, as the results of last year's mailing were disappointing. Information requests totalled around 275 this year, many of them due to publicity the club received in Communications World and CB Magazine. CB Magazine, after financial problems midway through the year, is now back on its feet again, and should give us a lot of great publicity. This year around 15 new members joined as a result of CB Magazine articles.

A big thanks goes out to Steve Shaffer, who became an integral part of the NW Indiana publishing crew this year. Steve took a great load off Mike Hogan's shoulders by answering much of the club mail. Jim Alexander also came aboard as club bookkeeper, replacing Bruce Elving, who did an excellent job in that position for many years.

Club finances declined during 1980, due in part to declining membership and the financial outlay for TV Factbook information. The end of the year saw the club bank account around \$1,300.

1980 featured a most enjoyable convention in Dunkirk, New York. If only the rain had cooperated, hi! The 1981 convention will be in Oklahoma City.

(State of the Club, cont.)

Looking toward 1981, it appears dues may have to go up again. The Postal Service is considering an increase to 20c for the first ounce, and 18c for succeeding ounces, for first class mail. Budgeting for 8 2 ounce VUDs and 4 3 ounce VUDs, this would result in an increase of \$1.40 per member. The VUD publishing operation is on sound financial footing now, but a postage increase would hurt tremendously. The last dues increase, you may recall, was in September 1979. Foreign members will now be paying \$20 per year, as costs have gone up for postage and printing.

As this goes to press, the board is contemplating several special offers for club supplies to help you save money. More information will be announced on these offers soon.

Again in 1981, we'll have a mailing to members of IRCA and NRC. Traditionally, this has been a good source of new members, as many BCB DXers like to move over to TV-FM during the summer. Last year's poor results were not indicative of past years. We temporarily discontinued advertising in other club's bulletins in 1980 because results were poor, but this may be renewed in 1981. We will also seek to get former members back in the club. This worked rather well in 1980, with around 100 letters sent and nine members coming back into the fold.

Many of our printing problems have now been resolved, so that we can expect a much more timely VUD, with better printing quality. Any problems in either timeliness or quality will have us searching for a new printer, however. Many thanks go to publisher Pete Oprisko for his work in getting these problems corrected.

First priority, publications-wise, will be the new TV Station Guide. Along with a Translator List update, these will be the major projects. Otherwise, nothing new is on the drawing boards.

We're excited to hear about recent work done by Saul Chernos of Toronto to get publicity out about WTFDA. It now appears Saul will be appearing on channel 47 in Toronto on their widely-watched all night show to talk about the hobby. Hopefully, this will be come a regular feature on the station. Those of us at club HQ are still more than willing to help members in efforts to get publicity out to their local broadcast stations and newspapers about WTFDA. Many new magazines are out now, focusing on the growing markets for video discs, video tape recorders, and other such items. Many of these may just be the markets for articles on TV DXing, and how these items can be used in relation to the hobby. Those of you with writing ability are urged to seek out magazines which may be interested in features about our hobby. It may also add a few bucks to your pocketbook! Of course, don't forget that we also need technical articles for the VUD.

Our membership goal for 1981 is 425, as we try again to break the elusive 400 mark. With your help, we'll do it!

Remember, WTFDA is your club, and without you it can't exist. Your contributions to the columns are needed, as are technical articles. Your comments about club operation are also needed and encouraged. If those of us at HQ can ever be of service, please don't hesitate to write, or call John Zondlo or Mike Hogan (phone numbers in the VUD).

May you have a DXful 1981!

The WTFDA Board of Directors

Morrie Goldman

Mike Hogan

Pete Oprisko

Bill Thompson

John Zondlo



MAILBOX

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

New Members:

John Foster, Jr.
Richard Reese
George Rogers

Box 339, Route #5
421 Marion St.
320 Lafayette Road

Travelers Rest, SC 29690
Jersey Shore, PA 17740
Chickamauga, GA 30707

Renewals:

John Baumgarten, Albert Bernard, Steve Chudoff, Pierre Daigle, Robert Grant, John Jefferson, Frank Luman, J.J. Rieger, Roger Sabella, Eric Schwarz, Tanio Sugihara.

Rejoins:

L. Vehorn-Box 58821-Houston, TX 77058
Donald Voegele-College of Marin-Kentfield, CA 94904

Address Changes:

Kocsis Ferenc-Po ut 4.-H 9431 Fertod, Hungary
Frank Luman-1360 S. Ivy Way-Denver, CO 80224
Pat McGrath-20154 Meadowbrook Lane-Walnut, CA 91789
Robert Steadman-4572 S. 14th-Milwaukee, WI 53221
John Sulak-84 Albright Court-Troy, NY 12180

Renewals Due in February:

David Austin, James Brown, Jr., John Buchler, Robert Cooper, David Delatte, Richard Eckman, William Hepburn, William Higgs, Frank Hostettler, Harold Lane, Jr., Kent Macklin, John Marx, Michael McKeely, Frank Merrill, John Ridge, Rick Samford, Chuck Sampson, Verrell Tallet, Tom Venney, James Wallace, Frank Wheeler, John Weis.

Our only new member intro this month is for JOHN FOSTER. John works as an announcer at WJOK, is into LCE, SW, FM, TV and LSB DX, and also belongs to NRC. DX equipment at his shack includes a Yamaha CR450, an FM yagi, and two Channel Master antennas for DDF and VHF TV. Both TV antennas and the FM antenna are mounted on a thirty foot tower on his roof.

Tidbits.....

Saul Chernos is busy collecting sports information: "Here's my first sports installment. As hockey season does not generally co-exist with good FM-TV DX, I'll officially start as of the 1981 baseball season. I found out a few days ago that I may soon move to Ottawa, the "Nation's Capital," due to my discovery of a first rate radio-journalism program there. If I do go there, this "service" will have to revert to being a mere occasional feature." In the meantime, feel free to send any live sports units, beginning with 1981 baseball. If you think you have rare DX and need to find out what it is before this (i.e., hockey), you may also send it in and I'll try to follow up. In the meantime, here are a few hockey and basketball nets. My thanks for this and other material helpful in this regard to Neil Dickerson, WVON's CE Mark Heller (who could join the DX ranks soon), Bill Hardy, WJR's Rose Carriere, Mark Strickert, and Frank Merrill. MEL: Chicago- flag not AM, but FM!!! WYEN 106.7 IL. No network data yet, but there should be one.

Detroit- None

Toronto- CFMK 96.3 ON, CKAT 101.9 ON.

NBA: Atlanta- unknown, but all in Georgia

Chicago- WVUR 88.5 IN (10w), WLUW 88.7 IL (10w), WGVL 88.7 IN, WPKX 88.9 IL, WCRM 103.9 IL, WLMT 105.5 IL, WLNK 106.7 IL, WGC1 107.5 IL, Sundays only (flag WVON's FM).

Indiana- WROR 94.3 IN, WJNZ 94.3 IN, WCRD 100.1 IN, WEMF 101.7 IN, WJOL 104.9 IN.

Portland- KLEM 98.3 OR, KOHU 99.3 OR, KEXI 99.3 OR, KILR 105.5, WLCG 106.1 OR.

No FMs for Boston, Denver, Philadelphia, San Antonio, Houston, Golden State.

94 FM
STEREO
ROCK
kykk

If you have sports net info for Saul, write to him at 79 Ridge Drive, Toronto, ON M4T 1P6. Allow me to add a couple minor league hockey stations (no nets): Central Hockey League....Oklahoma City Stars KJIL 104.9, Tulsa Oilers KMYO 92.1. Saul also writes that he may soon be doing a TV-FM DX oriented program on CFMT 47 Toronto. Seems they have an all night program on which they feature unusual hobbies, among other things, and it's widely viewed. Much success, Saul!

Recent rejoiner L. Vehorn (address on preceding page) wonders if any members keep their TV station guide on a computer. He has his on an Apple computer. Write him if you're into that kinda thing.

Member Bob Coomler has this for us: "Does anyone know of a mail order dealer with a reasonable selection of TV and FM antennas with something approaching friendly prices? All the local dealers have a minimum selection, won't let go of any catalogs, but by golly, they sure can quote list price. Any help will be greatly appreciated." Same story heard many times here, Bob. As I recall, Bruce Elving was selling an FM antenna, but don't know of any mail order services offhand. Anybody help?

There's a new DX organization you might want to check out. It's the International Fellowship of Christian DXers. They deal with shortwave, PCB, FM and TV stations, both from a DX and a programming standpoint. For more information, contact David Hucaby, 569 Cane Run Road, Lexington, KY 40505. By the way, recent mentions of the revived CADX brings back many memories. Much success to them, also! Too bad I'm too far away to join.

Well, that's about it for this month. Lots more exciting stuff due up in February. See y'all in February.....73.....jz



TECHNICAL TOPICS



Q: "Can we have a good midwinter tropo opening in the Midwestern U.S. states every year? I usually seem to miss out on it, but I read the reports in the VUD later. Shouldn't all the 'good stuff' be over by the end of the fall season anyway?"

A: The annual mid-winter tropo opening has become somewhat legendary among VHF/UHF DX enthusiasts in the Midwestern regions of North America, but it really isn't "annual"--so don't be disappointed if you don't notice anything this year. Tropo is not that predictable, but we can say that there will be some kind of good ducting opening in Midwestern areas in January at least every other year, based on past January openings. This opening usually takes place during the "January thaw" that often occurs here. This brief period is characterized by unseasonably warm weather, caused by a mass of humid Gulf air that pushes its way northward into the Midwest. If the west-to-east upper air jetstreams cooperate, the mass of warm air will slip under a cold front moving slowly down from the north, and good ducting conditions may develop. This depends mainly on whether or not the cold front is stable--this period of the year is not known for stable weather. If all goes right, Midwestern DXers can get into some 500-to-700 mile ducting, but it won't last very long. It can be as good as some of the best fall tropo ducting at times, but it will end soon, as winter returns quickly. Be alert--this can be a nice break from the winter tropo DX doldrums. Check the early morning TV network weathercasts, and be watching for indications of unseasonably warm weather and foggy conditions in the Ohio Valley, northern Midwest, and lower Great Lakes regions. Don't be too disappointed if you miss this one; chances are the more southerly areas may be the only regions in on it anyway, unless it's unusually widespread.

QSL CORNER

Thomas J. Yingling, jr.
221 Pinewood Road
Baltimore, MD 21222

PSB-QSL's

- NY KHA-53 162.40 Rochester, National Weather Service Office, 14624. Confirmation letter in 3 weeks from Peter R. Chasten, Meteorologist-in-charge, who states that I am their farthest listener so far--I am only 73 miles away & receive their station whenever any of the Rochester TV stations are strong! Hepburn
- PA KEG-58 162.40 Erie, National Weather Service Office, Erie Intl. Airport, 16505. Very friendly confirmation letter in 8 days from David D. Bell, OIC, wishing me success in my own personal endeavours towards becoming a meteorological technician. Hepburn

TV-QSL's

- CT WVIT 30 New Britain, 1422 New Britain Ave, West Hartford, 06110. Send typed letter in 2 weeks, from William A. Canora, CA Schweitzer
- IA KCCI 8 Des Moines, 9th at Pleasant St, 50308. Letter from Bill Huey, CE Reid
- KWWL 7 Waterloo, E. 4th & Franklin, 50703. Letter & xerox of their tv factbook page from Edward M. Tink, Exec. VP of Eng. Reid
- IL WCFC 38 Chicago, 20 N. Wacker Dr, Suite 1345, 60606. Letter from Anna M. Bastounes, Engineering Secretary. Reply in over 1 year for 1 follow-up. Yingling
- IN WEHT 25 Evansville, P. O. Box 25, 47701. Letter, coverage-map & id logo slide from Ernest D. Madden, VP & GM. Reply in over 1 year with 2 follow-ups. Yingling
- WTIU 30 Bloomington, Indiana University, 47405. Letter from Elaine Warner, Promotions Director & QSL Card 1 month after letter from Ennet R. Beeker, CE with id logo slide in 4 months for first reply. Yingling
- MI WOTV 8 Grand Rapids, 120 College Ave. SE, Box b, 49501. Card from Don Gallagher, CE with reply in 9 days. Reid
- WGTV 8 Sault Ste. Marie, 201 E. Front St, Traverse City, 49684. Letter from Stuart E. Cope, CE. Reid
- WFUM 28 Flint, University of Michigan. Letter from Donald L. Balcom, CE in 3 weeks. Ross
- NY WAST 13 Albany, Box 4035, 12204. Send a reprint from Broadcasting Engineering Mag. with unreaable signature in 2 weeks. Schweitzer
- OH WFMJ 21 Youngstown, 101 W. Boardman St, 44503. Send QSL Card, coverage-map from Seymour J. Raymond, CE. Eddie
- WTOL 11 Toledo, P. O. Box 715, 43695. Letter from Paul E. Lentz, Eng. Mgr. Reply in 2 weeks. Lentz said tropo had produced similar reports & invited me to stop by studios when in Toledo (may do that if Marshall plays U. of Toledo there next year) (?) ed. Austin
- PA WTAJ 10 Altoona, 5000 6th Ave, 16602. Card from R. Kline, CE in 17days. Reid
- WITF 33 Hershey, Box 2, 17033. Letter from Laura A. Kohl, Eng. Sec'ty with the reply in 21 days. Reid
- SD KOTA 3 Rapid City, Box 1760, 57709. Form letter from Fred Wuenschel, CE. Reid
- TN WPTI 24 Memphis, Box 4329, 38104. Send back my prepared card & coverage map from Pat Walsh, CE. Eddie
- WI WCGV 24 Milwaukee, 5445 N. 27th St, 53209. Letter from Russell W. Artz, CE with reply back in 11 days. Langridge
- WV WTAP 15 Parkersburg, 123 W. 7th St, 26101. Send back my prepared form letter from Charles Helmick, CE. Also send color photo of tower. Eddie
- WMUL 33 Huntington, 3rd Ave, 25701. Letter from George Parnicza, CE. Eddie
- WY KTWO 2 Casper, 4200 E. 2nd St. Card from Steve Broomell, CE. Reid & Chernos

Reporters this PSB & TV QSL Month are: William R. Hepburn of Niagara Falls, Ont; Robert E. Schweitzer of E. Brunswick, NJ; Mike Reid of Willowdale, Ont.; Robert S. Ross of London, Ont.; Richard T. Eddie of St. Louis, MO; David Austin of Ashland, KY; Bob Langridge of Durant, IA; & editor, Tom Yingling of Baltimore. 73's for now, byby....

FCC FM NEWS

NEW STATIONS OK'D
 AZ Coolidge 103.9 3000 h.v.; 300'; m
 CA Oakhurst (50 km SE Mariposa) 107.1 3000 h.v.; 420'
 CA Paso Robles K2888D 105.5 \$, g (FM translator of KEAR 106.9 San Francisco CA), 1 watt
 CO Brush 107.1 3000 h.v.; 91'
 CO Douglas Creek (NW part of state) K24DAJ 95.9 \$, m (KREX-FM 92.3 Grand Junction CO translator)
 CO Trinidad 92.7 3000 h.v.; 16'; m
 CO Vail K23ZAL 94.3 \$, r (KVMT 104.7 Vail translator--serves west and east portions of Vail)
 GA Conyers, Lawrence W263AA *100.5 g (WMBW *88.9 Chattahoochee), U; it will have directional antenna with an orientation of 40, 140, 260 and 305'; coordinates, NICK Lombardi, are: 33-48-20; 84-8-40.
 GA Fort Valley 106.3 3000 h.v.; 300'; m
 GA Mabelton, East Point W290AA *105.9 g (WMBW *88.9), U. 290, 220 and 160' [33-45-00; 84-23-30]
 GA Roswell, Norcross W298AA *107.5 g (WMBW *88.9), U; orientation 2, 45, 200, 305'; 33-50-48; 84-22-16.
 KS Goodland 102.5 100000 h.v.; 1010'; m
 KS Osage City 92.7 3000 h.v.; 300'; r
 KY Hopkinsville *89.3 12000 h.v.; 300'; g
 ME Augusta 92.1 3000 h.v.; 300'; m
 ME Bangor *88.5 15800; 785'; g; Craig
 MI Ozeo 100.9 3000 h.v.; 300'
 MN Chandler K205AA *88.9 \$, g (to be moving from 91.3 to *88.5)
 MN Hibbing 93.9 100000 h.v.; 550'; m
 MN Walker K224AN 92.7 \$, g (KTIG 100.1 Pequot Lakes MN translator), 10 watts, omnidirectional
 MS Columbus *88.5 980 h.v.; 87'; MS U for Women
 MO Palmyra (near Hannibal) 98.3 3000 h.v.; 300 feet above average terrain
 MO Sullivan 100.9 1640 h.v.; 390'; m
 MT Big Timber K252AE 98.3 \$, mc (KMZK 96.7 Belgrade MT), U
 NV Battle Mountain K221AT 92.1 \$, g (KNIS 94.7 Carson City NV), 10 w
 NJ Linden (74-15-30; 40-38-30) W205AB *88.9 \$, r (WVFRM *89.3 Hazlet NJ translator, 260'; 1 watt
 NY Clifton Park (north of Troy) 96.7 3000 h.v.; 300'
 NY Corinth 93.5 1350 h.v.; 420'
 NC Swan Quarter (35-26-29; 76-13-09) *88.5 1400 h.v.; 115'
 ND Jamestown 95.5 55000 (h); 200'; k
 OH West Union 103.1 1400 h.v.; 420'; k
 OK Vinita 95.9 3000 h.v.; 300'
 TN Bristol W217AB g *91.7 (WMBW 88.9 Chattanooga TN), U
 TX Brownwood 99.3 700 (h); 115'; g
 TX Laredo 98.1 100000 h.v.; 810' (Spanish VA Virginia Beach 94.9 50000 h.v.; 500'
 WA Cashmere K240AM 95.9 \$, m (KPCC-FM 102.1 Wenatchee WA), A, 10 w
 WV Ripley 98.3 3000 h.v.; 300'; rock
 WY Casper K204AD *88.7 \$, cr (KUWR 91.9 Laramie WY), P
 WY Cody 97.9 100000 h.v.; 1900'

FORMATS/NETWORKS
 CA San Francisco K5AN 94.9 k (from pl)--applies for KMMS call letters
 CT Stamford WYRS 96.7 jazz--still monophonic
 KS Arkansas City KBUZ 106.5 no l, back to A [107.3 N
 KS Wichita KBRA 97.9 Mutual; KFDD-FM 101.3 no M; KARD/MA Northland WHMP-FM 99.3 rock; "FM-99."
 MA Pittsfield WBEC-FM 105.5 rp
 NH Exeter WKXR-FM 107.1 returns to m (no rock)
 NH Keene WNBX 103.7 now rock (still CBS?); "FM-104."
 NH Peterborough WSLE 92.1 UPI Audio for its network
 NJ Paterson WVNJ-FM 100.3 mj; NY Albany WPYX 106.5 rp
 NY Briarcliff Manor WRWN 107.1 rj; NY New York WNYC-FM *93.9 cj; NY Southampton WSBH 95.3 RKO Network
 NY Troy WRPY *91.5 pj; NY Syracuse WSYR-FM 94.5 rp, + v.
 NY Utica WTLB-FM 107.3 rock, "Rock 107," adds vertical
 OK Edmond KKLK 97.7 AP Audio; OK Enid KNID 96.9 1 (not A). OK Henryetta KHEN 99.5 sometimes misidentifies as "KGGC-FM."
 OK Oklahoma City KOCC *88.9 (permit to move to 88.5) rock, "FM-89," on 5:30 am to midnight, 7 days a week, no \$
 KLNK 98.9 no network
 KZUE 102.7 no network, KOFM 104.1 no network
 KEAZ 107.7 soul and jazz, said to be having money difficulties
 OK Poteau KLUP 97.9 l; OK Tulsa KWGS *89.5 cj (22 hours of jazz per week, heard saying as rec'd in Kearney)
 OK Tulsa KWEN 95.5 AP Audio (but only after midnight)
 KTFX 103.3 k, Mutual
 OK Weatherford WHEY-FM 97.3 ABC - Information (I)
 VT Bennington WHGC 94.3 mr; S Audio. Stereo?
 WV Wheeling WCPI 98.7 rock (not rp)
CHANGES APPROVED
 AL Birmingham WAPI-FM 94.5 1210' (100000 h.v.)
 AZ Cottonwood KCRJ-FM *95.9 3000 h.v.; 29'
 AZ Tucson KTKT-FM 96.1 93000 h.v.; 90'
 CA Arcata KHSU from 90.5 to *91.5 100-200' KAHN from 91.5 to *95.1, still 10 watts
 CA Mammoth Lakes KMMT 106.3 55 h.v.; 2160'
 CA Nevada City KVMR *89.5 2000 h.v.; 980'
 CA Patterson KOSO 93.1 2900 h.v. (1790'), no longer directional
 CA San Diego KPRI 106.5 440' (50000 h.v.)
 CA Santa Maria KSNJ-FM *30000 h.v.; 15'
 CA Yosemite National Park K221AB 92.1 changes from carrying KDFC 102.1 to KKH-FM 95.7, both San Francisco
 CO Sterling KSTC-FM 104.7 (from 96.7) 100000 h.v.; 650'
 FL Gainesville W213AB *90.5 (from 98.3)
 FL Key West W272AE *102.3 (from 91.7)
 GA Atlanta WRFG *89.3 24500 h.v.; 295' (deletes vertical)
 GA Smyrna WQXI 94.1 100000 h.v.; 910'
 GA Columbus WFXE 104.9 2500 h.v.; 290'
 HI Makawao, Maui KVIH 94.3 3000 h.v.; 55'
 HI Waipahu KULA 92.3 1950' (100000 h.v.)
 ID Grangeville. KDRT-FM 92.7 94' (790 h.v.)
 IL Chicago WXRJ 93.1 6700 h.v.; 1310'
 IL Grangeville WVKC *90.5 1000 (h); 100'
 IL Godfrey WLCA *89.9 700 h.v.; 180'; IN Connerville WCNB-FM 100.3 20000 h.v.; 275'; IN Frankfort WILCO-FM 99.7 50000 h.v.; 460'; IA Charles City KCHA-FM 95.9 300' (3000 h.v.) IA Waterloo KBBG *88.1 9500 h.v.; 85'
 KS Pratt KWLS-FM 93.1 100000 h.v.; 530'
 KY Carrollton WIKI 100.1 3000 h.v. (300')
 LA Baton Rouge WBRH *90.3 (from 90.1) 1300; 145'
 WPRG *91.1 (from 107.3) 1800 h.v.; 300'; \$
 LA Shreveport KSCL *91.3 150 (h); 80'
 MA West Barnstable WKLL *90.7 (from 91.1) 120; 250'
 MI Elsie W05E *91.3 550; 170'
 MI Elsie WJDX-FM *106.1 485' (50000 h.v.)
 MI Whitehall WCNF 95.3 2000 h.v.; 360'
 MN Collegeville KSJU *89.1 155 (h); 480'; MN New Ulm KNUJ-FM 93.1 100000 h.v.; 360'. MS Jackson WTTY 94.7 360' (100000 h.v.); MS Vicksburg WKYV-FM *106.7 100000 h.v.; 830'. MT Kalispell KALS 97.1 43000 h.v., 18500 vertical; 2550'. NE Omaha KEFM 96.1 60000 h.v.; 170' (reduces coverage). NV Henderson KXTZ 94.1 100000 h.v.; 1210'. NV Reno KOZZ 105.7 80000 h.v.; 2120'. NM Roswell KRIZ 97.1 100000 h.v.; 360'

BRUCE F. ELVING, EDITOR
 BOX 251-KSC
 KEARNEY NE 68847 ☐ ☐ ☐ ☐

NY Auburn W0WN *88.9 250 h.v.; 89'
 NY Cortland WSUC *90.5 (from 90.7) 240; -10'
 NY Kingston WBPB 94.3 880 h.v. (540')
 NY Rochester WXXI-FM *91.5 45000 h.v.; (400') [directional
 ND Minot K1ZZ 93.7 90000 h.v.; 570' / OH Cleveland WCSB *89.3 630 h.v.; 190'
 OH Eaton WJAI 92.9 20000 h.v.; 370'
 OH Portsmouth WPAY-FM 104.1 100000
 OH Salem WQXX 105.1 88000 h.v.; 430'
 OK Enid KNID 96.9 100000 h.v.; 450'
 OR Klamath Falls KTEC *88.1 100; 130'
 PA Elizabethtown WRKZ 106.7 reduces vertical effective radiated power to 10000 (h. remains 20000; 500')
 PA Meadville WARC *90.3 155 h.v.; 175'
 SC Anderson WAIM-FM 101.1 90000 h.v., 780'; xmtr 3.5 mi NW Belton SC
 SC Hampton WJWB-FM *103.1 3000 h.v.; 145' [(100000 h.v.)
 TN Greeneville W0FM 94.9 (1090')
 TX Dallas KAFM 92.5 95000 h.v. (DA); 1570'
 WV Huntington WMUL *88.1 175 h.v., 135'
 WY Laramie K296B0 107.1 (from 92.7)
 NC Eden W0BX 100.1 2750 h.v.; 300'
 NC Statesville WLTV 96.9 100000 h.v., 42000 v.; 560'

STEREO
 NY Baldwinsville WSEN-FM 92.1
 PA Wilkes-Barre WKRZ-FM 98.5
SCA (67 KHZ)
 CT Groton WQGN 105.5 music
 IL Vandalia WKRY 107.1 adds SCA
 IN Indianapolis WFMS 95.5 no SCA
 IA Emmetsburg KEMB 98.3 music
 ME Portland WJ0D 97.9 tX
 WGAN-FM 102.9 talk (as on AM)
 MI Benton Harbor WHPF-FM 99.9 adds it
 MN Duluth WGGP 105.1 music
 MO Hannibal KGRC 92.9 tX (no national)
 MO Springfield KTRX 91.5 tX
 MT Billings KK0Z 97.1 adds SCA
 NE Aurora KIAE to be music, 103.1
 NE Ogallala KOGA-FM 92.7 adds SCA
 NH Mt. Washington WHOM 94.9 music
 OK Oklahoma City KLNK 98.9 tX
 OK Owasso KCMA 106.1 adds SCA, but purpose for this SCA not yet decided
 PA Easton W0QQ 99.9 talking book
 PA Philadelphia WEAZ 101.1 no SCA
 TN Jackson WJHR 103.1 adds SCA
 TX Houston KLEF 94.5 no SCA
 VT Windsor WYPR *89.5 tone, tX

DUAL-CITY IDENTIFICATION
 CA Oxnard KACY-FM 104.7 adds Ventura
 NY Conning WZKX 106.1 adds Elmira NY

DELETIONS
 CA Goleta 106.3. Application returned to pending file; in hearing with another firm.
 CA La Canada KUNF *88.3.
SLOGANS/NON-IDS
 NH Rochester WNNH 96.7 FM-97
CALL LETTERS
 AL Tuscaloosa *90.7 WVUA "FM"
 AK Sitka 104.7 KCAW
 AZ Bisbee 92.1 KZMK (KBAB)
 ID Pocatello 94.9 KPKY (KSIIH)
 KS Lyons 106.1 KKAT (KLOO); translators in Ellsworth 92.7, Great Bend 99.3 now carry KKAT as opposed to KLOO.

FCC-FM

LA Abbeville 104.9 KASC (KROF-FM)
 MA Provincetown *91.9 W0MR
 MA Winchendon 97.7 WXYW (WEAD)
 MI Clare 95.3 WCFX (WRNN-FM)
 MS Gulfport 102.3 W0CM (WTAM)
 MS Marshfield 104.9 K0SD-FM (K0MM-FM)
 NE Falls City 95.3 KTNK-FM
 NY Johnston 104.9 WYML (WJZR-FM)
 NY New York *90.3 WHCR-FM
 NY New York 106.7 WKHY (WVRV)
 NC Windsor 97.7 W0JB

ND Bottineau 105.9 KBTO
 OH Bellefontaine 98.3 W000 "FM" (W000-FM)
 OK Grove 99.3 KGVE
 OR Prineville 95.3 K1JK (KRCCO-FM)
 PA Bedford 100.9 WRAX (WAKM)
 PA Clearfield 93.5 WQYX (WCPA-FM)
 PA McKean 102.3 WSEG (WMDI); Kearsarge xtr on 92.7 now for WSEG, and not for WMDI.
 PA Sharpville 95.9 WGBZ (WFAF-FM); stereo?
 SC Rock Hill *88.9 WNSC-FM (WPRV)
 SC Sumter *88.1 WRJA-FM (WMPR)

TN Lebanon 107.3 WUSW (WCOR-FM)
 TX Pecos 98.3 KPXX, TX Seminole 106.3 KIKZ-FM. VA Buena Vista 96.7 WWZD. VA Suffolk 106.9 WTID
 WA East Wenatchee 97.7 KTRW
 WV Lewisburg 105.5 WKJC
 WI Milwaukee 102.9 WBCS (WBCS-FM)
 WI Rice Lake 97.7 WAEQ "FM"
 WY Cheyenne 100.7 KKAZ (KLEN-FM), Stereo, rock, "2.100" (strict)
 PR Anasco *90.3 WVID

January, 1981

READERS' REPORTS, COMMENTS

My Aunt Esther Strong, Hancock MI, sent several articles on the upcoming close down of WGGL #91.1 in Houghton MI, due to a budget cut affecting MI Technological University. She said, at a Board of Control meeting "action was taken to ask the Michigan Tech Fund for \$25,000 to assist in getting some type of satellite service. The best possibility, I think, is through Minnesota Public Radio by having programming broadcast through the WGGL transmitter. That way we would at least get National Public Radio." Another possibility mentioned is to relay WNNM #90.1 Marquette MI. A group of listeners has filed suit against MTU in an effort to save the station.

John Zondlo says "regarding your question in the Nov. FCC-FM, I would have to say KJIL 104.9 Bethany OK should be listed as mg. G. I'm assuming, means the old-fashioned southern Gospel type of Christian music. While we do play a lot of that, we also play a lot of MoR Christian music (e.g., Evie, Bill Gaither Trio, etc.)." For my FM Atlas categories, I will still list them as g, not mg, as m would imply easy-listening secular music. What I mean by "g" is no special form of gospel music, but rather religious music and religious programs. I would rather have used "r" but that character is reserved for rock and roll music. Some contemporary religious stations that play gospel rock I will list as "rg," meaning that such songs might offend older ears, even though carrying a significant spiritual message.

California's Albert Lobel recently heard KSL (AM) carried on the SCA of KBIG 104.3 Los Angeles, and wrote the report of this in DX Monitor. Seeing that report caused KSL's chief engineer to write Albert a nice letter.

Wisconsin Public Radio recently conducted a fund-raising, with the number of people pledging from the various transmitters. Here is the comparative popularity of these long-established friends to DXers of the 88-92 MHz part of the dial: WHAD 90.7 Delafield 372; WHLA 90.3 La Crosse 165; WHRM 90.9 Wausau 576; WHSA 89.9 Brule 86; WHWC Menomonie 221 (88.3); WPNE-FM 89.3 Green Bay 668; WERN 88.7 Madison 1276; WHHI 91.3 Highland 96, while AM stations WHA Madison had only 564 and WLBL Auburndale (Stevens Point) had only 70.

Paul Petosky points out that if WGGL Houghton folds it will be the second upper Michigan radio station to cease operating. WIDG (AM) St. Ignace left the air. About these closings, Paul says: "I really feel bad about this--it's giving radio a bad image."

Your FM Atlas is great EXCEPT "(and this is a big except) for the new maps. It may be space-conservative and all, and keep the book under 150 pages, but they're no good--tough to use! And the REALLY disgraceful map is Canada. It's simply a joke. Please, for the next issue, devote more space to the Canada maps!! Make them useful." [Until Canada settles down and the rate of station growth slows, I will probably not change the maps. I have lots of Canada readers, and have yet to hear a complaint from one of them. As another U. S. A. reader said, while it is not the best format for Canadian information, the information is somewhere in the book, and it can be found. Besides, where else would you see listed the new Canadian low-power relayers and native stations, some having a power of less than one watt, than in the FM Atlas?]

The FCC has denied the license renewal of WMJX 96.3 Miami FL. Watch for the deletion of this station and the taking over of its frequency by somebody else (some broadcaster less inclined to broadcast dishonest contests).

CONTRIBUTORS THIS ISSUE

Richard D. Ballash, Latrobe PA; John W. Beitel, Easton PA; Andy Bolin, Charleston IL; Danny Buntin, Stillwater OK; John Ebeling, Bloomington MN; Albert S. Lobel, San Diego CA; Paul E. Petosky, Munising MI; Peter V. Taylor, San Francisco CA; Steven Shaffer, Whiting IN; Richard J. Steinberger, Hudson MA; Mrs. Esther Strong, Hancock MI; Larry Weil, Acton MA; John Zondlo, Bethany OK.

CLUB/FM ATLAS FINANCIAL DISCLOSURES

First, I'll report my own profits from selling the FM Atlas through the club. Generally, the club receives 50 cents per order, when the person ordering remits at the full amount. The current edition should be advertised at \$5.00, including postage, but the back cover shows the price at \$4.50, so I have not been remitting 50 cents per order, unless the person should happen to send \$5.00 or more, and the \$4.50 price is not first class, but for third-class mailing. First class requires a payment of \$5.50 because of high postal costs.

My net take, after deducting club commissions, since 1975, is \$694.75. Commissions to the club during that time came to \$68.75. As a former member of the Board I pay no dues, which probably is not right. If I paid the \$11.00 editor's rate for my membership I would have paid in \$66.00 in the years since 1975, which is close to what my commissions paid to the club were. Other club nondues payers are Bill Thompson, Pete Oprisko, John Zondlo, Mike Hogan, Gary Olson, Dave Janowiak, and Morrie Goldman. Morrie writes: "It is my opinion that by waiving membership dues for this handful of members, the club provides them with considerable psychic gratification and is repaid by large dividends. I respect your motives and if you feel that you should pay your way in cash, I will not argue. In fact, we might invite the other seven to make personal decisions about the need for their own payment." Morrie also points out the great amount of time many of those members are devoting to the club and expenses they have donated to the club.

When I left office in mid-year 1980 our financial picture from 1974 through then looked like: 1974 loss of \$758.27, 1975 gain of \$576.61, 1976 gain of \$756.54, 1977 gain of \$1,595.35, 1978 gain of \$1177.70, 1979 loss of \$404.20, 1980 (first half) loss of \$118.88. Since 1973, the net gain in club finances has been \$3343.81, with most gain occurring during the years 1975-78. Losses (or any gains) in 1980 would be more or less depending upon whether calculated after the most recent printing bill has been paid. The Oct. 1979 club bank book balance was \$2874.99, while in Aug. 4, 1980 it was down to \$2444.88. John Zondlo is quite concerned about the deteriorating financial picture of the club, while Gary Olson wrote me, saying: "Our balance is \$2280-\$2500. I rather think we are solvent."

Remember, I am no longer club bookkeeper. That job is temporarily in the hands of Jim Alexander. I am happy to have served.

NORTHERN FM-DX

JANUARY 1981

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

FM DX SHOWS LITTLE IMPROVEMENT IN THIS REPORTING PERIOD,
BUT E-SKIP NOTED ON NOVEMBER 16TH.

Richard Reese - 421 Marion St. - Jersey Shore, PA 17740
Equipment: Panasonic RF-1150, no external antenna; Time - EDT.

<u>7/15</u> Es	1725 WMCU	89.7 FL	Miami	<u>7/17</u> Es	1525 KCFO	98.5 OK	Tulsa
	1730 WGYL	93.5 FL	Vero Beach		1530 WRR	101.1 TX	Dallas
<u>7/16</u> Es	1830 CHOZ	93.9 NF	St. Johns		1543 KTAL	98.1 TX	Texarkana
tr	2100-2200	Most NY	New York City		1544 KOSV	102.5 TX	Texarkana
<u>7/17</u> Es	1015 KISR	93.7 AR	Ft. Smith		1545 KWJS	94.9 TX	Arlington
	1015 KTFN	93.3 OK	Ada		1548 KSSN	95.7 AR	Little Rock
	1022 KTTS	94.7 MO	Springfield		1551 KNOK	107.5 TX	Fort Worth
	1024 KSAR	95.9 AR	Salem		1601 WMC	99.7 TN	Memphis
	1025 KTCS	99.9 AR	Ft. Smith		1607 KPXI	100.7 TX	Mt. Pleasant
	1025 KWPM	93.9 HO	West Plains		1609 KKYK	103.7 AR	Little Rock
	1028 KAMS	95.1 AR	Mammoth Springs		1613 KORQ	100.7 TX	Abilene
	1035 KNEB	101.3 OK	McAlester		1618 KKAJ	95.7 OK	Ardmore
	1253 KTRY	94.3 LA	Bastrop		1644 KEBC	94.7 OK	Oklahoma City
	1258 WJJC	90.1 MS	Senatobia		1650 KLUR	99.9 TX	Wichita Falls
	1300 KWJM	92.7 LA	Farmerville		1659 KKNQ	92.5 OK	Oklahoma City
	1300 WHJR	93.5 MS	Clinton		1701 KATT	100.3 OK	Oklahoma City
	1305 KSPL	95.5 TX	Diboll		1842 KKRL	93.7 IA	Carroll
	1309 KYKR	93.3 TX	Port Arthur		1846 WPRE	94.3 WI	Prairie du Chien
	1315 KEPT	96.3 LA	Shreveport		1851 KBCM	95.5 IA	Sioux City
	1319 KASO	95.3 LA	Minden		1854 KQWC	95.9 IA	Webster City
	1320 KTKK	95.7 TX	Houston		1855 KDMI	97.3 IA	Des Moines
	1325 KJCS	103.3 TX	Nacogdoches		1855 KGOR	99.9 NE	Omaha
	1328 KYKX	105.7 TX	Longview		1857 KDSN	107.1 IA	Denison
	1328 KWIC	107.7 TX	Beaumont		1859 KJAN	103.7 IA	Atlantic
	1329 KASE	100.7 TX	Austin		1901 KLFM	104.1 IA	Ames
	1330 KNUE	101.5 TX	Tyler		1902 KGBI	100.7 NE	Omaha
	1332 KWTX	97.5 TX	Waco		1903 KTCR	97.1 MN	Minneapolis
	1335 KWMP	101.1 LA	Shreveport		1905 KQCR	102.9 IA	Cedar Rapids
	1337 KHOO	99.9 TX	Waco		1907 KQRN	107.3 SD	Mitchell
	1344 KPLE	104.9 TX	Temple		1908 KCCQ	107.1 IA	Ames
	1345 KXCL	107.9 TX	Corsicana		1911 KFMW	107.9 IA	Waterloo
	1352 KMGC	102.9 TX	Dallas		1911 KGNB	105.7 IA	Waterloo
	1353 KVIL	103.7 TX	Dallas		1916 KLYF	100.3 IA	Des Moines
	1355 KKDA	104.5 TX	Dallas		1919 KTOF	104.5 IA	Cedar Rapids
	1355 KZQZ	102.1 TX	Fort Worth		1922 KHAK	98.1 IA	Cedar Rapids
	1358 KOAX	105.3 TX	Dallas		1928 KICD	107.7 IA	Spencer
	1400 KQXY	94.1 TX	Beaumont		1935 KAYL	101.5 IA	Storm Lake
	1403 KXKZ	107.5 LA	Ruston		1939 KMGR	93.3 IA	Des Moines
	1412 KMEZ	100.3 TX	Dallas		1952 KUSD	89.7 SD	Perrimillion
	1412 KNUS	98.7 TX	Dallas		2000 KRSW	91.7 MN	Pipestone
	1415 WJBI	101.7 MS	Clarksdale		2010 KESX	104.5 NE	Omaha
	1425 KLUF	105.1 TX	Lufkin		2015 KEXL	106.7 NE	Norfolk
	1430 WAID	106.3 MS	Clarksdale		2023 KFMQ	101.9 NE	Lincoln
	1436 KOOT	106.5 TX	Jacksonville		2024 KTFE	103.3 IA	Sioux City
	1440 KAFM	92.5 TX	Dallas		2035 KWOA	95.1 MN	Worthington
	1443 KESS	93.9 TX	Ft. Worth		2050 KIOV	104.7 SD	Sioux Falls
	1447 KTYL	93.1 TX	Tyler		2054 KNEN	94.7 NE	Norfolk
	1450 KSNS	96.1 LA	Lake Charles		2058 KDCR	91.3 IA	Sioux Center
	1452 KSCS	96.3 TX	Fort Worth		2102 KRVN	93.1 NE	Lexington
	1458 KFJZ	97.1 TX	Fort Worth		2105 KPTL	93.9 KS	Dodge City
	1500 KFMV	107.9 AR	Magnolia		2118 KOWH	94.1 NE	Omaha
	1500 KFIN	107.9 AR	Jonesboro		2127 KOAK	95.3 IA	Red Oak
	1514 KZEW	97.9 TX	Dallas		2216 KWYR	93.7 SD	Winner

* Continued *

NORTHERN FM DX

Richard Reese cont'd:

JANUARY 1981

<u>7/17</u> Es	2224 KWIT	90.3 IA	Sioux City	<u>7/26</u> Es	2000 WBYU	95.7 LA	New Orleans
	2229 KILL	95.9 IA	Estherville		2001 WJDB	95.3 AL	Thomsville
	2320 KVGB	104.3 KS	Great Bend		2005 KHOM	104.1 LA	Houma
<u>7/21</u> Es	0956 WOCN	94.9 FL	Miami Beach		2006 WQGL	93.5 AL	Butler
	1000 WFFN	92.5 FL	Key West	<u>7/28</u> Es	1955 KYKR	93.3 TX	Port Arthur
	1055 KPBM	94.5 MO	Poplar Bluff		2005 KRLY	93.7 TX	Houston
<u>7/22</u> Es	1000 WNCU	89.7 FL	Miami		2009 KIKK	95.7 TX	Houston
	1000 WLRN	91.3 FL	Miami		2014 KYND	92.5 TX	Pasadena
	1005 WTMI	93.1 FL	Miami		2025 KLEF	94.5 TX	Houston
	1005 WRCC	103.9 FL	Cape Coral		2032 KUHF	88.7 TX	Houston
	1010 WWVL	93.9 FL	Miami Beach		2032 KPFT	90.1 TX	Houston
	1025 WLQY	98.7 FL	Fort Pierce		2048 KALO	95.1 TX	Beaumont
	1027 WSHF	103.5 FL	Fort Lauderdale		2100 KILT	100.3 TX	Houston
	1028 WAXY	105.9 FL	Fort Lauderdale		2115 KAUM	96.5 TX	Houston
	1028 WTRK	107.9 FL	West Palm Beach		2235 KHYS	98.5 TX	Port Arthur
	1030 WQBA	107.5 FL	Miami		2251 KAYD	97.5 TX	Beaumont
	1030 WRQS	99.9 FL	Boca Raton		2301 KESS	93.9 TX	Port Worth
	1038 WOCN	94.9 FL	Miami Beach		2319 KROK	94.5 LA	Shreveport
	1039 WXOS	95.1 FL	Plantation Key		2323 KMBQ	93.7 LA	Shreveport
	1042 WAVW	105.5 FL	Vero Beach		2332 KIXS	93.3 TX	Killeen
	1045 WHYY	100.7 FL	Fort Lauderdale		2332 WBYU	95.7 LA	New Orleans
	1059 WSDO	106.7 FL	Fort Lauderdale	<u>7/30</u> Es	1428 KIXS	93.3 TX	Killeen
	1059 WLYF	101.5 FL	Miami		1443 KLBJ	93.7 TX	Austin
	1108 WHEW	101.9 FL	Fort Myers		1450 KESS	93.9 TX	Port Worth
	1130 WYOR	105.1 FL	Coral Gables		1452 KAFM	92.5 TX	Dallas
	1132 WRBQ	104.7 FL	Tampa		1501 KWTT	91.7 TX	Dallas
	1132 WKPT	96.1 FL	Jacksonville		1507 KBLD	92.9 TX	Wichita Falls
	1147 WWSA	107.3 FL	St. Petersburg		1847 KYKR	93.3 TX	Port Arthur
	1147 WCVU	94.5 FL	Naples		2022 KHOT?	94.9 ??	??
	1148 WFFN	92.5 FL	Key West		2240 WTMI	93.1 FL	Miami
	1150 WDIZ	100.3 FL	Orlando		2242 WYNL	93.9 FL	Miami Beach
<u>7/26</u> Es	0905 KTSR	95.7 AR	Fort Smith	<u>8/4</u> Es	2150 KSJNT	91.1 MN	St. Paul
	0908 KTCS	99.9 AR	Fort Smith		2151 KLEST	91.7 MN	Rushford
	0920 KNUS	98.7 TX	Dallas		2153 KQRST	92.5 MN	Golden Valley
	0923 KBEZ	92.9 OK	Tulsa		2155 KNUFT	93.1 MN	New Ulm
	0924 KPLX	99.5 TX	Fort Worth	<u>8/6</u> Es	0918 KAFM	92.5 TX	Dallas
	0931 KESS	93.9 TX	Fort Worth		0930 KESS	93.9 TX	Fort Worth
	0933 KFJZ	97.1 TX	Fort Worth		0945 KKAJ	95.7 OK	Ardmore
	0933 KMGC	102.9 TX	Dallas		0954 KISR	93.7 AR	Fort Smith
	0938 KZQZ	102.1 TX	Fort Worth		0958 KTCS	99.9 AR	Fort Smith
	0945 KGAF	94.5 TX	Gainesville	<u>8/10</u> Es	1130 KIXS	93.3 TX	Killeen
	0955 KATT	100.3 OK	Oklahoma City		1135 KLBJ	93.7 TX	Austin
	1000 KNFO	95.5 TX	Waco		1140 KAFM	92.5 TX	Dallas
	1000 KSCS	96.3 TX	Fort Worth		1140 KESS	93.9 TX	Fort Worth
	1001 KLBJ	93.7 TX	Austin		1143 KSCS	96.3 TX	Fort Worth
	1950 WQID	93.7 MS	Biloxi		1145 KPLX	97.1 TX	Fort Worth
	1955 WGUW	96.7 MS	Gulfport	<u>8/11</u> MS	1233 WBKR	92.5 KY	Owensboro
	1956 WQUE	93.3 LA	New Orleans		1305 WPAP	92.5 FL	Panama City
	1959 WEZB	97.1 LA	New Orleans		1502 WAPT	94.5 AL	Birmingham

This past DX season has been pretty good. (Actually, it was my 1st DX season, as I started FM DXing in Sept. 1979). The best day was on 7/17 (when at 1430, for a few seconds there was skip on Ch. 7 TV. During the evening at 1915, MUF reached Ch. 7 & 8). I've been doing very little DXing for the past couple months, but hope to get back shortly.

+ + + + +

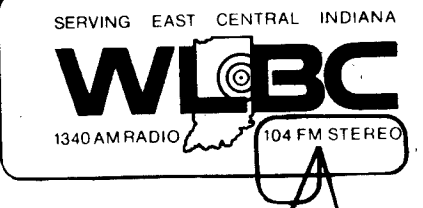
Jim Albrecht - 3313 N. Weil St. - Milwaukee, WI 53212
Equipment: Panasonic RF-2200 w/whip

This is my first report to VUD. Hopefully there will be more. However, it isn't going to be easy with that tower farm growing. Recently WQFM - 93.3 moved from downtown to the Ch. 24 tower six blocks away and a new tower 1100 ft. is being built for WFMR - 96.5 and also TV Ch. 10, 18, and 36. This is one mile from here. My first experience with skip - 6/18 - was quite exciting as I was DXing at the lakefront location two miles from here to get away from those towers. KVLV - 107.9 - just popped in out of nowhere like a local and I couldn't even null it. The best trop openings here were on 7/13-14, 8/18-19, and 8/25-26. My totals as of this date are 278 from 14 states and 1 prov. FM has been totally dead here with the cold weather since early Sept., so I'm DXing AM quite a bit. Most stations in this report are new and are in CDT.

* Continued *

6/18 Es
1140 KVLV 107.9 TX Edinburg, EZ
"You're in the Valley, KVLV"
1145 KOOI 106.5 TX Jacksonville, Heard AM
ID KEBE; State temps. & Paul Harvey nx.
1205 KWHI 106.3 TX Brenham, mixing w/unID
7/8 tr
2107 CKLA 106.1 ON Guelph, j
2135 CFCA 105.3 ON Kitchener-Waterloo,
nx, sports
2145 CILQ 107.1 ON Toronto, pr, "Q-107"
2200 WDKB 105.5 IN Auburn
7/13 tr
1105 WVNO 106.1 OH Mansfield, EZ
1325 KLSS 106.1 IA Mason City, r
"KS-106 The Music FM"
1410 WSMI 106.1 IL Litchfield, k
"Best Music in the Country"
1525 WGEM 105.1 IL Quincy, k
"Gem Country-105"
1600 WSSR 91.9 IL Springfield, c
1615 WMIX 94.1 IL Mt. Vernon, EZ, "\$-94"
1759 KRES 104.7 MO Moberly, "KRES Country"
1805 KMOX 103.3 MO St. Louis, mr, "FM-103"
1840 WMYR 101.1 IL East St. Louis, j
1845 WWKW 106.5 IL Granite City, pr
1930 WIMI 99.7 MI Ironwood, mr
"The Music Source"
1945 KSCF 97.1 MO Florissant, "KS-97"
1959 KOEL 92.3 IA Oelwein, k
2050 KRNA 93.9 IA Iowa City, r
2055 KTOF 104.5 IA Cedar Rapids, gr
"Sunshine-104"
7/14 tr
0008 KMJM 107.7 MO St. Louis, s, "Magic-108"
0035 KFMH 99.7 IA Muscatine, j, "99+-\$"
0059 WQCY 99.5 IL Quincy, EZ
"FM 99-5" s/off
0235 KHAK 98.1 IA Cedar Rapids, "98-KHAK"
7/11 tr
2215 WSWT 106.9 IL Peoria, EZ, "\$-Sweet"
2235 WKJJ 99.7 KY Louisville, r, "KJ-100"
7/15 tr
2205 WQRS 105.1 MI Detroit, c
2215 WWWW 106.7 MI Detroit, pr, "W-4"
7/16 tr
0025 WNUZ 103.5 MI Detroit, gt
7/17 Es
2000 WKTC 104.3 NC Tarboro, k, "KT-Country"
2015 KRBE 104.1 TX Houston, r
"America's No. 1 Radio Station"
2030 WTQR 104.1 NC Winston-Salem, k
Tornado Warning
2135 WXEL 105.3 LA Slidell, s, "X-105"
2000-unID 104.5 SS KVAR San Antonio
2030 listed as Spanish in FM Atlas
8/18 tr

8/18 tr
2200 WPNM 106.3 OH Ottawa, s/off
2259 WDOH 107.1 OH Delphos, s/off
"\$Stereo-107"
2335 WHMQ 100.5 OH Findlay, k
"Country-100"
2345 WLQR 101.5 OH Toledo,
"\$Stereo-101"
8/19 tr
0005 WMHE 92.5 OH Toledo, mr
"Toledo's Best Music"
0100 WTWR 92.3 MI Detroit, old
0159 WLBS 102.7 MI Mt. Clemens, pr
0200 WILS 101.7 MI Lansing, r
0203 WDET 101.9 MI Detroit, j
0215 WRIF 101.1 MI Detroit, pr
0220 WKLR 99.9 OH Toledo, s
"99-KLR"
0223 WABX 99.5 MI Detroit, r
"99-ABX"
0235 WITL 100.7 MI Lansing, k
0237 WLLZ 98.7 MI Detroit, r
0240 WMZK 97.9 MI Detroit, pr
0245 WWJ 97.1 MI Detroit, EZ
"FM-97"
0250 WVIC 94.9 MI East Lansing, r
0303 WJZZ 105.9 MI Detroit, j
"Jazz Radio Detroit"
8/23 tr
2005 KLYF 100.3 IA Des Moines, EZ
"FM-100" "K-Life"
2007 KNWS 101.9 IA Waterloo, g
"Good News, Good Life Radio"
2035 KAUS 99.9 MN Austin-Albert Lea, k
"FM-100 Country"
2105 WTMB 98.9 WI Tomah, mr
2235 KLEF 104.1 IA Ames, mr
"\$Stereo-104"
8/24 tr
2205 CBEG 106.3 ON Sarnia
2240 WTUE 104.7 OH Dayton, pr, "TUE"
8/25 tr
2158 WQON 100.1 MI Grayling, r, "100-FM"
2225 WAJZ 104.5 IN Indianapolis, j
"Voice of Butler University"
2300 WCML 91.7 MI Alpena, j
8/26 tr
0045 CILQ 107.1 ON Toronto, pr, "Q-107"
0220 WDCX 99.5 NY Buffalo, r
"Indispensable Christian Radio"
0235 WSHH 99.7 PA Pittsburgh, EZ
0240 CKFM 99.9 ON Toronto, mr
0258 CHUM 104.5 ON Toronto, pr
2207 WPHD 103.3 NY Buffalo, pr, "PHD"
8/29 tr
1506 WMMU 90.1 MI Marquette, c
9/3 tr
2158 WDEZ 101.9 WI Wausau, EZ, "EZ-102"
9/4 tr
1145 WFPC 95.5 WI Wausau, mr
1200 WFRM 90.9 WI Wausau, c, nx
WI State Network
1250 WVIK 90.1 IL Rock Island, c
1500 KXCW 90.5 MO Maryville, c
9/9 tr
2213 WFTZ 104.7 IN Jasper, r
2215 WTLC 105.7 IN Indianapolis, s
2305 WFML 106.5 IN Washington
END OF SEASON!
73, Jim Albrecht



2015 WLBC 104.1 IN Muncie, r, "104-FM"

Andy Bolin - 709 Lincoln - Charleston, IL 61920

Got a lot of ALMOST semilocals that have decided to go 24 hours. They are WIAN, WRTB, WAXT, WKSX, WPRE, WCSI, WDDJ & WHKC. I'll guess that the new WNS 98.7 Springfield IL will also be 24 hours. Anyway, it's been on the air testing around the clock w/auto/soul/disco.

9/3 Tr 0230-0500 KEZO & KYNN both Omaha NE (440). 9/11 Tr after 0600 WJFR, WTYX, & WJMI all Jackson MS (530); 1100 KNOE 101.9 Monroe LA (555). 9/14 Tr @0600 KHCC \$ "Sunday Morning Classics" 90.1 Hutchinson KS (550). Also in was KPDI & KBRA both Wichita KS (515). 9/18 Tr 2200 WQEZ 96.5 Birmingham AL (430). 9/19 Tr @1013 WTNJ \$/K 105.9 Mount Hope WV; 1015 WXCC 96.5 "\$-97" w/K Williamson WV. Also heard was WVOW & WRJL. 9/20 Tr @0300 CFCA 105.3 Kitchener ON (450). 9/26 Tr 2000-0000 the following from MS WJMI, WJFR, WKYV, WQST & WJDQ. 9/27 Tr @1000 WJFR 96.3 Jackson MS. NO DX in OCT!!! 11/13 MS @2100 "Bright & Beautiful K-Valley - KVL...." is KVLV 107.9 Edinburg TX (1040). 11/14 Tr 0300 most Birmingham strong. 11/16 GW @0102 10 watt KWUR \$/P 90.3 Clayton MO (160). Later on 11/16 Es hit FM @1834 w/KOYE Laredo TX. Also in at this time was a new Mexican powerhouse on 91.3 w/many ads for Nuevo Laredo. Even on the hour this station IDed only as "Studio 91" so I guess it will be an uncountable. @1917 KVLV \$ "All That Jazz" 91.3 Beaumont TX (740). South & Eastern TX relogs were K-DUV, KRIX, K-VLY, KBFM, KIOU, KYND, KUHF, KRLY, KYKR & K-PUP. Also in was XHAAA til 2010. 11/17 MS @0201 "...here in West Palm Beach...." is WIRK 107.9 West Palm Beach FL (1010).

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

Boy, has this fall been rotten for DX. Tried for some MS a few times during the month of Nov. during the so called "good dates," but all bursts were too short or weak to get any IDs. Only one new station this month and it was logged at the Prosit, MN cabin as a 76 mile tropo early one morning as I had just arrived and was waiting for the cabin to warm up.

11/22 Tr 0400 K288BN 105.5 MN Orr, s-WEVE, Eveleth, MN

Conditions were not very good that AM, but for some reason the translator was loud and clear. That is it from here.

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

Equipment: Heathkit AJ-1510 and Akai VO-4, Winegard antenna w/rotor at 60 ft.

11/16 tr (w/Heathkit)	12/4 tr
0100 WKYU 88.9 KY Bowling Green, cjs, s/off	1700 WNS 98.7 IL Springfield, "99-FM" 250
11/18 tr	12/8 tr
0200 WVKK 105.5 KY Fort Knox, rp\$, ex-WSAC	0422 WDJC 93.7 AL Birmingham, g\$ 500
11/27 tr (w/Akai)	0430 WAPI 94.5 AL Birmingham, m\$ 500
0201 WXXM 88.9 IL Lake Forest, r	0500 WQBN 103.7 AL Gadsden, r\$, "Q-104" 450
300w DA, (very weak), WNDU & WYMS off	0512 WVOC 102.9 GA Columbus, gk\$ 560
	0519 WKOS 96.3 TN Murfreesboro, r\$ 330

Many thank yous to John Zondlo for informing me of the Trice Electronics Co., Inc., P.O. Box 1513, Oklahoma City, OK 73101. Upon telephoning the store, I found the price of the Akai VO-4 to be \$183.81. With freight and C.O.D. charges, the total price came to \$188.79. For this amount, I simply couldn't turn it down. Now all I need is a few more mornings like December 8th. It was nice to hear a few new stations from the south blasting in. This was the first decent opening since early September.

My AJ-1510 is now in the expert hands of Andy Bolin being repaired and etc. etc. The problem with an AJ-1510 is that it is of the PLL (phase lock loop) variety, prohibiting one from tuning away from strong locals. Andy is devising a way in which the AJ-1510 will be able to tune between frequencies similar to the VO-4. This should certainly help in finding some new stations. No matter which tuner I will eventually prefer, I have always wanted two. Peter Sawatzky's well written article regarding the VO-4 was a persuasive factor in purchasing this tuner also.

A nice letter was recently received from Fabrizio Floridi in Rome, Italy. Enclosed were a few very interesting and colorful European FM stickers. If anyone would like to trade Radio and TV stickers (bumper or smaller), please write Fabrizio at: v. le g. di leontini. 260, 00124 Rome, Italy.

Frank Merrill of Toledo, OH tried to call me on the evening of November 16th when E-skip had returned. Unfortunately, both Dave Brumfield and I were out of town performing with the Richmond (IN) Symphony. Next month, Frank's annual report (about four pages), will start off the February column.

My total now: 957, with 242 Ed. band. See you all next month. Happy DXing in 1981.

SOUTHERN FM DX

JANUARY 1981

Danny Buntin
1312 N. Skyline
Stillwater, OK 74074

DEADLINE: the 10th

Es Makes a mid-November Return

George Rogers, 320 Lafayette Rd., Chickamauga, GA 30707
Equip: JC Penney radio model 680-1908 and a FM rope antenna.

10/30 gw
WGBO 103.9 GA Greensboro
(in from Atlanta, GA)

11/10 tr
0920 WDAX 95.3 GA Macrae, k 205
0930 WTVY 95.5 AL Dothan, k 304
0950 WALT 97.1 MS Meridian, r 277
0955 WSGS 101.1 KY Hazard, k 270
1005 WVOC 102.9 GA Columbus, r 213
1025 WUOA 95.7 AL Tuscaloosa, r 181

11/11 tr
0815 WAFM 95.3 MS Amory, nx 255
0930 WQLT 101.3 MS Meridian, aor 270

This is my first report for Southern FM DX since joining WTFDA. Total stations to date: 1344. I hope you have a Merry Christmas and a Happy New Year. 7&3s for now.

Jeff Wolf, 1131 University Blvd. W., Apt. 701, Silver Spring, MD 20902 - May 7 to Sept. 19

This is my first report to Southern FM DX. I've been a WTFDA member for three years. I mostly DX the TV but have been DXing FM for about the past 2 or 3 years. The Es on 7/17 was my first FM reception by that mode.

Equipment is a portable Sears AM-FM TV band radio. All stations received on the built in monopole antenna. Mileage is approximate. Time is EDT.

5/2 tr
0915 WNCE 101.3 PA Lancaster

5/13 tr
0946 WRXL 102.1 VA Richmond 110

5/25 tr
0940 WYCR 98.5 PA Hanover
0958 WHP 97.3 PA Harrisburg 90

5/30 tr
0416 WMGK 102.9 PA Philadelphia
("magic 103")
0500 WWDB 96.5 PA Philadelphia
0505 WHP 97.3 PA Harrisburg
0533 WALK 97.5 NY Patchogue 240
fair to good

0537 WPST 97.5 NJ Trenton
0721 WYSP 94.1 PA Philadelphia
0731 WJLK 94.3 NJ Asbury Park 178
0830 WFLN 95.7 PA Philadelphia
0856 WJSL 98.9 PA Philadelphia
0914 WCAU 98.1 PA Philadelphia

6/3 tr
1000 WRAL 101.5 NC Raleigh 244

6/19 tr
2215 Norfolk, VA stations strong
2244 WFOG 92.9 VA Suffolk
2248 WRVQ 94.5 VA Richmond

6/26 tr (in good)
0810 WHAJ 104.5 WV Bluefield, m "\$104"259

6/27 tr
0359 WMMR 93.3 PA Philadelphia
WSTW 93.7 DE Wilmington, "93-7"

11/14 tr
0915 WLOS 99.9 NC Ashville, m 182
0925 WDM 101.3 SC Sumter, s 370
0945 WSPA 98.9 SC Spartanburg, m 220
1345 WOFM 94.9 TN Greenville, k 193
1401 KLFM 104.1 IA Ames, nx (ms) 866

11/16 Es
2010 KENM 95.3 NM Portales, SL 1158
2012 KATX 97.3 TX Plainview, k 1050
2015 KYTK 98.7 TX Amarillo, pr 1038
2018 KKQQ 99.1 NM Clovis, r 1132
2021 KTQM 99.9 NM Clovis 1132
2110 KTEZ 101.1 TX Lubbock, m 997
2115 KFMX 94.5 TX Lubbock, pr "
2117 KSEL 93.7 TX Lubbock, r "
2125 KBAT 93.3 TX Midland, k 1007

6/27 tr
0423 WIFX 92.5 PA Philadelphia
WJLK 94.3 NJ Asbury Park 178
0710 WHDG 103.7 MD Havre De Grace

7/1 tr
1929 WHAJ 104.5 WV Bluefield

7/13 tr
0820 WVNO 106.1 OH Mansfield, m 312
(fair to good at times)
2300 WWST 104.5 OH Wooster 285
2305 WVNO 106.1 OH Mansfield 312

7/15 tr
1158 WWST 104.5 OH Wooster
2035 WRAL 101.5 NC Raleigh

7/17 tr
0846 WAYS 95.1 NC Charlotte, "Ways" 339
(farthest FM tr logging)
0857 WJMA 96.7 VA Orange, "96 plus" 83
0905 WLSA 105.5 VA Louisa 92
0945 WJLC 97.5 VA South Boston 193

Es:
1405 unID 97.5 ment. Monroe co., then c mx
1414 KBID 92.9 TX Wichita Falls 1217
1452 KLR 99.9 TX Wichita Falls
"King of the country"
1455 KKAJ 95.7 OK Ardmore 1134
1506 KWEX 97.3 OK Weatherford 1189
1513 KKLK 97.7 OK Edmond 1114
1522 KTXR 101.5 MO Springfield, m
"....FM-101 KTXR" cont.....

WTFDA Membership List (January 1981)

Albanese, Michael-1104 S. Catherine St.-Altoona, PA 16602
Albin, Earl-4814 Granada Drive-Valley Station, KY 40272
Albrecht, Jim-3313 N. Weil St.-Milwaukee, WI 53212
Alexander, Jim-4 Brooke Court-Parsippany, NJ 07054
Allen, Douglas-1118 Millington Road-Schenectady, NY 12305
Allen, Richard-RFD-Billings, OK 74630
Austin, David-1800 Lexington Ave.-Ashland, KY 41101
Ayers, Jim-Route 8-Murfreesboro, TN 37130
Baker, Robert-Box 337-Humboldt, IA 50548
Barber, John, Jr.-Box 65-Carolina, RI 02812
Barkow, Gerald-29 Sedgfield Drive-Morris Plains, NJ 07950
Bartlett, Howard-2274 Roswell-Long Beach, CA 90815
Basehore, John-603 Shepherdstown Road-Mechanicsburg, PA 17055
Battin, B.W.-4305 Pitt St.-Duluth, MN 55804
Baumgarten, John-Route 4-Tomah, WI 54660
Baxter, Robert-711 10th Ave.-Rock Falls, IL 61071
Berman, Alex-2755 Elmwood Drive S.E.-East Grand Rapids, MI 49506
Bernard, Albert J.-179 Glastonbury Turnpike-Portland, CT 06480
Bernstein, Murray-227 Berkeley Place-Brooklyn, NY 11217
Bianco, Dean-50 Water St.-Eastchester, NY 10709
Bigley, Artie-6201 Rampart, #871-Houston, TX 77081
Bishop, Tom-4936 N. Kansas Ave.-Kansas City, MO 64119
Blevins, Donald-1715 Earhart Road-Baltimore, MD 21221
Blodorn, Rolf-Postfach 26-6301 Allendorf-Bahnhofstr. 31, West Germany
Bluse, John-P.O. Box 86-Davison, MI 48423
Boersma, Phil-15570 Cleveland St.-Spring Lake, MI 49456
Bolduc, John-10 Herrick St.-Nashua, NH 03060
Bolin, Andy-709 Lincoln Ave.-Charleston, IL 61920
Bonnell, G. Cranston-404 Albert St.-Fredericton, NB E3B 2B8
Born, Fred W.-304 Ivy St.-Bay City, MI 48706
Bortree, Roger-Apt. 2, 2208 Campus Drive-Garden City, KS 67846
Brann, Jim-135 Windsor Circle-Chapel Hill, NC 27514
Breville, Walt-9127 Coral-St. Louis, MO 63123
Brewer, Mike-26630 Mill Road-Frazeyburg, OH 43822
Brindle, Ed-1220 College Drive-Latrobe, PA 15650
Broadhead, R.S.-57 Briar Path-Bramalea, ON L6T 2A3
Brown, James, Jr.-203 Yoakum Parkway, Apt. 1824-Alexandria, VA 22304
Brumfield, David-1505 Kimberly Lane-Muncie, IN 47306
Buehler, John-1716 Heatherdowns Blvd.-Toledo, OH 43614
Buehler, Paul-405 Bellhaven Drive-Oregon, OH 43616
Bugaj, Mike-69 Sherman Road-Enfield, CT 06082
Bunney, Roger-c/o Television Magazine-IPC Magazines Ltd.-Lavington House-
25 Lavington St.-London, SE1 0PF, England

Buntin, Danny-1312 N. Skyline-Stillwater, OK 74074
Burke, Lynn-479 Nelson Drive #21-Newport News, VA 23601
Bytheway, Phil-9722 Mary Ave. NW-Seattle, WA 98117
Callarman, John-1122 Maple-Mt. Vernon, IL 62864
Carlson, Marvyn-820 67 Ave. SW, Apt. 207-Calgary, AB T2V 0M5
Carriere, Roger-196 St. Joseph-Buckingham, PQ J8L 1G7
Chernos, Saul-79 Ridge Drive-Toronto, ON M4T 1B6
Chudoff, Steve-3628 Genesee Drive-Philadelphia, PA 19154
Clark, Randall-Route 9, Box 231 (Dutch Ridge)-Parkersburg, WV 26101
Clark, Richard-Apartado 273-LaVega, Dominican Republic
Clemmer, John-2937 W. Gilbert-Peoria, IL 61604
Coleman, Bill, Jr.-114 Circle Drive-Rocky Mount, NC 27801
Condon, Dr. James-350 W. Columbia St., Suite 350-Evansville, IN 47710
Coomler, Bob-2430 Bonmark Drive-Ojai, CA 93023
Cooper, Eric-24191 Spartan-Mission Viejo, CA 92691
Cooper, Ernie-5 Anthony St.-Provincetown, MA 02657
Cooper, Robert-Route 5, Box 782-Guthrie, OK 73044
Cornell, Thomas-3631 N. Road 900E.-Greentown, IN 46936
Crane, Lawrence-352 State St.-Albany, NY 12210
Crawford, Roosevelt - 440-44-0908 - HQ+A Co., 123d Maint. Bn.-APO New York,
Cronin, Tim-7500 W. 111th St.-Worth, IL 60482 /NY 09068
Culin, Richard-Box 8101-Akron, OH 44320
Curtis, Robert-17 Cobbleview Drive-Colchester, VT 05446
Curvin, David-5503 W. Westberry-San Antonio, TX 78228
Daigle, Pierre-1017 DuLong Sault-Ste. Foy, PQ G1W 3Z8
Dalton, Mike-1840 Drew St.-Clearwater, FL 33515
Day, Clinton-22 Cross St.-Westerly, RI 02891

Delatte, David-Route 2, Box 97B-Jackson, LA 70748
Demmitt, John-Box A, K0848-Bellefonte, PA 16823
DeRoo, Mike-4929 Rosewood Drive-Roeland Park, KS 66205
Dickerson, Neil-426 State St.-Sharptown, MD 21861
DiFilippo, Armand-1825 S. Rosewood St.-Philadelphia, PA 19145
Dixon, Robert-2073 Highlandview Drive-Powell, OH 43065
Draeb, Bill-Ellis St., RR #2-Kewaunee, WI 54216
DuBois, George-10048 NE Campaign-Portland, OR 97220
Durkin, Patrick, Jr.-8829 W. Orchard St.-West Allis, WI 53214
Dyer, Pat-5315 Silvertip Drive-San Antonio, TX 78228
Eaton, Vernon-82 Springhill Acres, Route 1-Benton, AR 72015
Ebeling, John-9209 Vincent Ave. S.-Bloomington, MN 55431
Eckberg, William-RFD #2-Walnut, IL 61376
Eckman, Richard-2900 E. Aurora Ave., #359-Boulder, CO 80303
Eddie, Richard-152 W. Rose Ave.-St. Louis, MO 63119
Eddy, Robert-Box 338-Newport, OH 45768
Elisberg, Steve-6635 S. Dayton-Englewood, CO 80111
Ellis, Al-19 McClure Ave.-Brantford, ON N3R 4L7
Elving, Bruce-Box 251, KSC-Kearney, NE 68847
Epstein, Phil-2882 Humboldt Ave. S.-Minneapolis, MN 55408
Erickson, Donald-6059 Essex-Riverside, CA 92504
Fader, Eric-23 35 Bell Blvd.-Bayside, NY 11360
Fahber, Bill-336 Atlantic St.-Bridgeton, NJ 08302
Fair, Alvin-P.O. Box 1403-New Brunswick, NJ 08903
Falconer, Jeff-Box 63-Clinton, ON NOM 1L0
Feidt, William-8852 L Spiral Cut-Columbia, MD 21045
Fela, Joe, Jr.-150 Robert Place-S. Plainfield, NJ 07080
Ferenc, Kocsis-Fo ut 4.-H9431 Fertod, Hungary
Filler, James-307 E. 9th-Muncie, IN 47302
Fischer, Robert-Box 80801-Fairbanks, AK 99708
Foster, John, Jr.-Box 339, Route #5-Travelers Rest, SC 29690
Foxworth, Robert-GPO Box A866-New York, NY 10116
Franklin, Jerry-Box 523-Fremont, NE 68025
Fraser, Ray-3730 Deerwood Trail-Melbourne, FL 32935
Fulk, Gray-1533 Forest Drive-Mount Airy, NC 27030
Gaines, Paul-c/o C.P. Cleaning-15920 Puritan-Detroit, MI 48227
Gallacher, George-RR 1, Kozy Kourt Lot #32-Ossian, IN 46777
Gardner, Barry-P.O. Box 1579-Grissom AFB, IN 46971
George, Charles-6407 Howard-Dallas, TX 75227
Gerler, John-6499 Chateau Court, Apt. 269-Riverdale, GA 30274
Gill, Jim-516 65th Ave. W.-Bradenton, FL 33507
Glass, Lawrence-408 F St.-Eureka, CA 95501
Goins, Les-Box 3837-Shreveport, LA 71103
Goldman, Morrie-5815 N. Christiana-Chicago, IL 60659
Golembiewski, Patrick-2242 W. Halsey Ave.-Milwaukee, WI 53221
Goodman, Robert-2030 Hering Ave.-Bronx, NY 10461
Gould, James-RR #3-Kokomo, IN 46901
Gragg, Joe-1002 Hilltop Drive-Palestine, TX 75801
Grant, Bill-67 Brattle St.-Worcester, MA 01606
Grant, Robert-5775 Bishop-Detroit, MI 48224
Gravelle, Roger-60 Valerie St.-St. Thomas, ON N5R 1A8
Green, Ronald-1701 Campbell Blvd.-Building #4, Apt. 11-Joplin, MO 64801
Greenberg, Ken-4858 W. Lee-Skokie, IL 60077
Griffiths, John-80 Seneca Drive-Ancaster, ON L9G 3B8
Guzzi, Michel-4830 Genevieve-Pierrefonds, PQ H9J 1S5
Hallas, David-11003 Bristol Terrace-Kansas City, MO 64134
Hammer, Ron-821 Elisa Way-Roseville, CA 95678
Hanger, Phillip-3326 S. 83rd St.-Milwaukee, WI 53219
Hanley, Christopher-1125 Bolton St.-Winston-Salem, NC 27103
Hansen, Chris-2825 Webb Ave., Apt. 5F-Bronx, NY 10468
Hardester, Mike-574 Deer Springs Road-San Marcos, CA 92069
Harms, Mark-600 Bancroft Road-Walnut Creek, CA 94598
Hart, Gerard-1635 10th St.-Niagara Falls, NY 14305
Hart, John-P.O. Box 644-Carlin, NV 89822
Hascall, Dave-211 N. Merrill-Portville, IN 46040
Haskett, Tom-3831 Hendricks Place-Gary, IN 46408
Hauser, Glenn-WUOT-University of Tennessee-232 C&E Bldg.-Knoxville, TN
Hawkins, Richard-3895 Meadowlark Lane-Cincinnati, OH 45227 /37916
Hayes, Harry-Star Route, Box 226C-Gouldsboro, PA 18424
Heckenlively, Robert-Box 281-Yankton, SD 57078
Hempel, Bob-P.O. Box 599-Manson, IA 50563
Hendrix, Steve-Box 191-Cameron, MO 64429

Hepburn, William-5659 Highland Ave.-Niagara Falls, ON L2G 4X2
Herkimer, James-3255 South Drive-Caledonia, NY 14423
Herzog, Daryl-5625 Elsinore Ave.-Buena Park, CA 90621
Heusmann, Bill-Iowa Public Broadcasting Network-Des Moines, IA 50306
Higgs, William-1715 Hollinwood Drive-Alexandria, VA 22307
Hill, Damon-3261 Circle Oak Drive NW-Atlanta, GA 30339
Hogan, Michael-13910 Chippewa Ave., Apt. 1-Burnham, IL 60633
Holbrook, Hank-7211 Chestnut St.-Chevy Chase, MD 20015
Holeman, Ken-352 N. Ridge Road-Little Rock, AR 72207
Holland, Fred-3606 White Oak Way-Huntsville, AL 35805
Hollis, Michael-191st ATC Co.-APO San Francisco, CA 96301
Holmes, Thomas-2312 Blakeford Lane-Charlotte, NC 28211
Hopkins, Jim-29 Grandview Ave.-Pitman, NJ 08071
Horie, Roger-2071 Kaumana Drive-Hilo, HI 96720
Hostetler, Frank-RR #2, Box 408-Dillonvale, OH 43917
Houchins, Ed-P.O. Box 142-137 W. North St.-Niantic, IL 62551
Howington, Carlon-939 Palmetto Ave.-Akron, OH 44306
Huehn, Tom-74 Silverspring Cr.-Kitchener, ON N2M 4P4
Jackowski, Tom-8 Marcia St.-Parlin, NJ 08859
Jacobs, Glenn-RD #1, Box 354A-Moscow, PA 18444
Janowiak, David-5023 S. 65th St.-Greenfield, WI 53220
Jarrett, Dennis-9 Debra Lane-Westport, CT 06880
Jefferson, John-4016 Crest Court-Pleasanton, CA 94566
Jennings, Jim-4634 W. 79th St.-Chicago, IL 60652
Jensen, George-4604 Anntana Ave.-Baltimore, MD 21206
Johnson, William-128 Carriage Way Drive-Burr Ridge, IL 60521
Jozwiak, Leonard-5999 Yorkshire Ave.-Detroit, MI 48824
Kalisz, Paul-2321 Powell Ave.-Bronx, NY 10462
Kazaross, Neil-30 King Philip Road-Pawtucket, RI 02861
Kingsbury, James-Box 445-Grantsville, WV 26147
Korn, Jim-P.O. Box 31111-San Francisco, CA 94131
Koronka, Michael-324 E. 1st St.-Gaylord, MI 49735
Kowalski, Ed-3300 Chesterfield Road-Philadelphia, PA 19114
Kramer, Robert-4639 N. Albany-Chicago, IL 60625
Kunze, Fritz-734 Stannage Ave.-Albany, CA 94706
Lane, Harold, Jr.-730 Concord St.-Carlisle, MA 01741
Langridge, Robert, Jr.-309 6th St.-Durant, IA 52747
Lapinski, Michael-RD #2, Palm Road Ext.-Jamestown, NY 14701
Laratta, James-9549 20th Bay St.-Norfolk, VA 23518
Lazarus, A.-333 Candee Ave., #3B-Sayville, NY 11782
LeBlanc, Ronald-4052 LeMans Drive-Marrero, LA 70072
Legler, David-354 W. Wadsworth Hall-Michigan Tech University-Houghton, MI
Letterer, David-5320 Harbison-Philadelphia, PA 19124 /49931
Levitt, Scott-3132 Woodland Ave.-S. Plainfield, NJ 07080
Lewis, Mark-600 Lonsdale Road-Toronto, ON M5P 1R7
Lindblade, Rolland-2315 N. 67th Ave.-Omaha, NE 68104
Lobel, Albert-P.O. Box 26762-San Diego, CA 92126
Lombardi, Nick-2203 Plaster Road NE, Apt. N-1-Atlanta, GA 30345
Lucas, Mark-721 McKinley Ave.-Lancaster, OH 43130
Luman, Frank-1360 S. Ivy Way-Denver, CO 80224
Luoma, Rod-38540 Five Mile Road-Livonia, MI 48152
MacGregor, K.-R.R. #1-Mill Bay, BC V0R 2P0
Macklin, Kent-Box 79-Steward, IL 60553
Margritz, David-9710 Louis Drive-Omaha, NE 68114
Markewicz, Joseph-1408 Maple Grove Road, Apt. 315-Duluth, MN 55811
Marx, John-Box 971-Madison, WI 53701
McAbee, Doug-8122 S. State Road-Goodyear, MI 48438
McBride, David-524 Wardlaw-Winnipeg, MB R3L 0M1
McCormack, Fred-Box 5221-State University Station-Fargo, ND 58105
McCown, Lowell-Box 286-Auxier, KY 41602
McGrath, Pat-20154 Meadowbrook Lane-Walnut, CA 91789
McIntosh, W.R.-12000 Bambi Place-Granada Hills, CA 91344
McNeely, Michael-2251 E. Indiana-Evansville, IN 47711
McVey, Tim-Route 3, Box 568-Polivar, TN 38008
Merrill, Frank, Jr.-Box 7207-Toledo, OH 43615
Meyers, Ian-14 Lloyd Lane-Nesconset, NY 11767
Michalek, Alan-227 Redlands St.-Springfield, MA 01104
Migley, Bill-922 Carpico Drive-Lancaster, OH 43130
Miki, Takahito-Japan ECL Federation-6F, DAI-ROKU Central Building-19 10
Toranomon 1chome-Minato ku, Tokyo 105, Japan
Miller, August-6015 Breton Place-Newark, CA 94560
Miltier, Randy-1068 Fairview Ave.-San Jose, CA 95125

Mitschler, Faul-2324 Winterwood Lane-Topeka, KS 66614
Monti, Greg-1110 Fidler Lane, #1424-Silver Spring, MD 20910
Moody, David-880 Bertha Ave., Lot 12-Portsmouth, OH 45662
Mylod, Charles-Box 523-Charlottesville, VA 22902
Naefken, Alfred-1700 W. Aspen St.-Milwaukee, WI 53221
Nagel, Erik-P.O. Box 65-Taylors, SC 29687
Nelson, Kurt-147 Church Road-Philadelphia, PA 19111
Neva, R.L.-1015 Adams Ave.-St. Charles, IL 60174
Newkirk, David-1208 N.E. 91st St.-Seattle, WA 98115
Nine, Lonnie-Route 2, Box 287-Monett, MO 65708
Noffsinger, K.-7240 S. County Road 25A-Tipp City, OH 45371
Nordquist, Fred-7945 Boxford Road-Clay, NY 13041
O'Connor, Rod-USCG Base-259 High St.-S. Portland, ME 04106
Ogden, Guy-9810 Florida Blvd.-Baton Rouge, LA 70815
Olson, Gary-1195 S. Wilson Drive-Lake Forest, IL 60045
Onyschuck, Ken-239 Fir-Park Forest, IL 60466
Oprisko, Peter-1700 1/2 Sheridan-Whiting, IN 46394
Palmer, William-120 Ohio Ave.-Wadsworth, OH 44281
Pantazes, A. Robert-RD #2, Box 233L-Absecon, NJ 08201
Parillo, John-400 S. Market St.-Girard, OH 44420
Patton, Walter-6252 Drolet-Montreal, PQ H2S 2S7
Petosky, Paul-Box 537-Munising, MI 49862
Pianka, Zbigniew-3537A S. 15th-Milwaukee, WI 53221
Pitterle, Fred-12120 W. Green Court-Hales Corners, WI 53130
Pizzi, Jim-P.O. Box 2493-Orcutt, CA 93455
Prescott, Lee-802 E. Crockett-Harlingen, TX 78550
Price, Les-115 Parkwood Drive-Wilmington, NC 28401
Prus, Les-8231 Fresno Lane #203-Alexandria, VA 22309
Pulice, Gerald-3201 Richmond Road-Staten Island, NY 10306
Reese, Richard-421 Marion St.-Jersey Shore, PA 17740
Reid, Mike-109 Arjay Crescent-Willowdale, ON M2L 1C6
Ridge, John-1 Ira Court-Brooklyn, NY 11229
Rieger, John-529A S. 71st St.-Milwaukee, WI 53214
Riley, David-37048 Polk Court, Apt. 732-Farmington Hills, MI 48018
Ritchie, Edward, Jr.-4255 S. 92nd St.-Greenfield, WI 53228
Robertson, John-6065 Gardner Line-Crosswell, MI 48422
Rogers, David-Box 465, WSH-Port Supply, OK 73841
Rogers, George-320 Lafayette Road-Chickamauga, GA 30707
Rosen, Michael-265 Main St., Apt. 515-Ridgefield Park, NJ 07660
Rosenberg, J.J.-10 Vanhorn Court-Thornhill, ON L3T 5R1
Ross, Robert-Box 4373, Station C-London, ON
Ruland, Donald-4448 68th Place-Kenosha, WI 53140
Sabella, Roger-Box 2072-Chicago, IL 60690
Salladin, Chuck-RR 5, Box 251-Oswego, NY 13126
Samer, Dan-2001 Cypress, Lot 1-Bay City, TX 77414
Samford, Rick-404 S. McNeill-Burnet, TX 78611
Sampson, Chuck-Box 158-Ophiem, IL 61468
Sampson, Daniel-RR 1, Box 36-Black River Falls, WI 54615
Sarkozy, Ken-1341 Grand Ave.-Kalamazoo, MI 49007
Sawatzky, Peter-RR #4-Guelph, ON N1H 6J1
Schaefer, Arthur-2514 Wedemeyer St.-Sheboygan, WI 53081
Schatz, Ron-5651 S.W. 2 Ct. (106)-Margate, FL 33068
Scheel, Mike-2333 W. 40th St.-Davenport, IA 52806
Schutz, Eric-1909 Rockaway Parkway-Brooklyn, NY 11236
Schwarz, Eric-Sablons 57-CH2000 Neuchatel, Switzerland
Schweitzer, Robert-7 Madeline Ave.-E. Brunswick, NJ 08816
Scully, William-2409 Glenn Echo Drive-Hudson, OH 44236
Seaman, Curtiss-6624 Lemp Ave., #1-N. Hollywood, CA 91606
Seybold, Bob-Bennett Road, Rd 2-Dunkirk, NY 14048
Shirahama, Yuuzi - 1072-1 Oomura-machi - Kumamoto-Ken
Shults, Marvin-RR #1-Toulon, IL 61483 /866, Japan
Siegel, Gary-2728 106th St.-Toledo, OH 43611
Siegler, Richard-2342 Chippewa Ave.-Placentia, CA 92670
Simon, Ken-513 6th Ave. S.-Lake Worth, FL 33460
Simons, Craig-413 Ridelle Ave.-Toronto, ON M6B 1K3
Sirovy, Edward-311 S. Williams St.-Westmont, IL 60559
Skinner, Peter-166 Pine St.-Dover, MA 02030
Smith, Joseph, Jr.-196 Ackley Ave.-Johnson City, NY 13790
Smith, William-Brown Terrace-Uxbridge, MA 01569
Snow, Dr. James-P.O. Box 746-Darien, GA 31305
Sofonia, James-4167 Holiday Road-Traverse City, MI 49684
Sprachman, Steve-3939 Eve Drive-Seaford, NY 11783
Stein, Richard-456 Barrymore Place-North Brunswick, NJ 08902
Steinberger, Richard-47 Causeway St.-Hudson, MA 01749
Stoffel, John-Box 1616-Sag Harbor, NY 11963
Strobel, Ralph-2510 E. McGalliard Road-Muncie, IN 47303
Sugihara, Tanio - Corpo. Tatsumi - 10-9, Nakaikegami 2-chome - Ota-ku,
Sulak, John-84 Albright Court-Troy, NY 12180 /Tokyo 146, Japan
Sullivan, Philip-935 Main St.-Acton, MA 01720
Swearingen, Paul-P.O. Box 500-Moran, KS 66755
Sweeney, Michael-38 Fairlane Drive-Wethersfield, CT 06109
Swope, Donald-365 Chocolate Ave.-Mount Joy, PA 17552
Tallet, Verrell-2501 College St.-Plainview, TX 79072
Talley, Doug-2545 237th St.-Torrance, CA 90505
Taylor, Peter-2614 Jackson St.-San Francisco, CA 94115
Tharp, Edwin-204 N. Russell St.-Eaton, IN 47338
Theil, Martin-12 Princeton Drive E.-Holiday, FL 33589
Thomas, Adrian-Box 4569-Williams Lake, BC V2G 2V6
Thomas, Gerry-P.O. Box 2036-Pensacola, FL 32503
Thompson, William-1907 Seneca St.-Buffalo, NY 14210
Tobia, Alphonse-7603 Linden Court-Newark, CA 94560
Todd, Michael-Box 392-Banner Elk, NC 28604
Traska, Paul-64 Weaver Ave.-Buffalo, NY 14206
Troyer, Richard-13130 Wooster St. NW-Massillon, OH 44646
Turcsany, Richard-7 Cayer Circle-Shelton, CT 06484
Ubell, Robert-RR 4-Canton, IL 61520
Umhoefer, Bob-RD #2, Box 60, Valley Crest Road-Annandale, NJ 08801
Vehorn, L.-P.O. Box 58821-Houston, TX 77058
Venney, Tom-4890 Monterey-Midland, MI 48640
Virtue, H.D.-CRAWL-Hamilton Parish 212, Bermuda
Voegelé, Don-College of Marin-Kentfield, CA 94904
Vulgamott, Lee-Box 177-Williams, IA 50271
Walcutt, David-1521 Rutland, #7-Houston, TX 77008
Walker, Allan-Box 3246-Enfield, CT 06082
Wallace, James-63280 Sand Hill Road-Bellaire, OH 43906
Walters, John-RD 3, Acorn Drive-Vincentown, NJ 08088
Wardell, Dave-2104 S.E. 28th Place-Portland, OR 97214
Wardell, Paul-2104 S.E. 28th Place-Portland, OR 97214
Weeks, Peter-95 Burnside Drive-Toronto, ON M6G 2M9
Weil, Larry-15 Davis Road, #A12-Acton, MA 01720
Welch, William-1532 Valley Road-Tallahassee, FL 32301
Wheeler, Frank-6589 Wattsburg Road-Erie, PA 16509
White, Jim-1000 S. Grand Ave.-Waukesha, WI 53186
Wild, William-225 Post Ave.-Lyndhurst, NJ 07071
Williams, Morgan-3798 Sunset Blvd.-W. Columbia, SC 29169
Williams, Robert-312 Shoshone St. E., Apt. B8-Twin Falls, ID 83301
Wilson, David-Mathematics Department-Kent State University-Kent, OH 44242
Wilson, Mark-111 1/2 Martinez-Monroe, LA 71203
Wilson, Mel-17 Van Cortland Drive-Pittsford, NY 14534
Wimer, Michael-1939 Morris St.-New Castle, PA 16101
Wing, Ron-705 N. Emporia, Apt. 2-Wichita, KS 67214
Winsor, Roger-625 W. 39th Place, Apt. 10A-Hobart, IN 46342
Wixon, Jim, Sr.-2733 Vermillion St.-Lake Station, IN 46405
Wolf, Jeff-1131 University Blvd. NW, Apt. 701-Silver Spring, MD 20902
Wood, Dr. Richard-106 Centennial Drive-Cape Girardeau, MO 63701
Wood, Tracy-220 S.E. 32nd Ave.-Hillsboro, OR 97123
Worst, Mike-6250 Ivanhoe Lane #215-Beaumont, TX 77706
Wurl, David-908 W. 14th St.-Marshfield, WI 54449
Yingling, Tom, Jr.-221 Pinewood Road-Dundalk, MD 21222
Zank, Neil-623 Lyncrest Drive-Lincoln, NE 68510
Zeis, John-12 Arianna Lane-Exton, PA 19341
Zent, Robert-1835 Fruit St.-Huntington, IN 46750
Zipser, Charles-c/o Courtney Lock & Hardware-2242 Jerome Ave.-Bronx, NY
Zondlo, John-1802 N. Rockwell, #107-Bethany, OK 73008 /10455

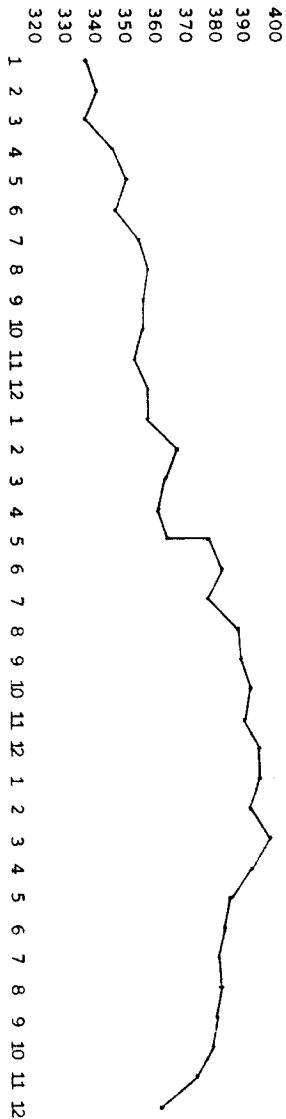
Membership by State, Province, and Country

Alabama (1): Holland.
Alaska (1): Fischer.
Arkansas (2): Eaton, Holeman.
California (24): Bartlett, Coomler, Eric Cooper, Erickson, Glass, Hammer, Hardester, Harms, Herzog, Jefferson, Korn, Kunze, Lobel, McGrath, McIntosh, Miller, Miltier, Pizzi, Seaman, Siegler, Tolley, Taylor, Tobia, Voegele.
Colorado (3): Eckman, Elising, Luman.
Connecticut (6): Bernard, Bugaj, Jarrett, Sweeney, Turcsany, Walker.
Florida (8): Dalton, Fraser, Gill, Schatz, Simon, Theil, G. Thomas, Welch.
Georgia (5): Gerler, Hill, Lombardi, G. Rogers, Snow.
Hawaii (1): Horie.
Idaho (1): R. Williams.
Illinois (22): Baxter, Bolin, Callarman, Clemmer, Cronin, Eckberg, Goldman, Greenberg, Hogan, Houchins, Jennings, Johnson, Kramer, Macklin, Neva, Olson, Onyschuck, Sabella, Sampson, Shults, Sirovy, Ubell.
Indiana (16): Brumfield, Condon, Cornell, Filler, Gallacher, Gardner, Gould, Hascall, Haskett, McNeely, Oprisko, Strobel, Tharp, Winsor, Wixon, Zent.
Iowa (6): Baker, Hempel, Heusmann, Langridge, Scheel, Vulgamott.
Kansas (5): Bortree, DeRoo, Mitschler, Swearingen, Wing.
Kentucky (3): Albin, Austin, McCown.
Louisiana (5): Delatte, Goins, LeBlanc, Ogden, Mark Wilson.
Maine (1): O'Connor.
Maryland (8): Blevins, Dickerson, Feidt, Holbrook, Jensen, Monti, Wolf, Yingling.
Massachusetts (9): Ernie Cooper, B. Grant, Lane, Michalek, Skinner, W. Smith, Steinberger, Sullivan, Weil.
Michigan (17): Berman, Blue, Boersma, Born, Gaines, R. Grant, Jozwiak, Koronka, Legler, Luoma, McAbee, Petosky, Riley, Robertson, Sarkozy, Sofonia, Venney.
Minnesota (4): Battin, Ebeling, Epstein, Markewicz.
Missouri (8): Bishop, Breville, Eddie, Green, Hallas, Hendrix, Nine, R. Wood.
Nebraska (5): Elving, Franklin, Lindblade, Margritz, Zank.
Nevada (1): J. Hart.
New Hampshire (1): Bolduc.
New Jersey (15): Alexander, Barkow, Fahber, Fair, Fela, Hopkins, Jackowski, Levitt, Pantazes, Rosen, Schweitzer, Stein, Umhoefer, Walters, Wild.
New York (28): D. Allen, Bernstein, Bianco, Crane, Fader, Foxworth, Goodman, Hansen, G. Hart, Herkimer, Kalisz, Lapinski, Lazarus, Meyers, Nordquist, Pulice, Ridge, Salladin, Schutz, Seybold, J. Smith, Sprachman, Stoffel, Sulak, W. Thompson, Traska, Mel Wilson, Zipser.
North Carolina (7): Brann, Coleman, Fulk, Hanley, Holmes, Price, Todd.
North Dakota (1): McCormack.
Ohio (21): Brewer, J. Buehler, P. Buehler, Culin, Dixon, Eddy, Hawkins, Hostetler, Howington, Lucas, Merrill, Migley, Moody, Noffsinger, Palmer, Parillo, Scully, Siegel, Troyer, Wallace, D. Wilson.
Oklahoma (5): R. Allen, Buntin, E. Cooper, D. Rogers, Zondlo.
Oregon (4): DuBois, D. Wardell, P. Wardell, T. Wood.
Pennsylvania (16): Albanese, Basehore, Brindle, Chudoff, Demmitt, DiFilippo, Hayes, Jacobs, Kowalski, Letterer, Nelson, Reese, Swope, Wheeler, Wimer, Zeis.
Rhode Island (3): Barber, Day, Kazaross.
South Carolina (3): Foster, Nagel, M. Williams.
South Dakota (1): Heckenlively.
Tennessee (3): Ayers, Hauser, McVey.
Texas (12): Bigley, Curvin, Dyer, George, Gragg, Prescott, Samer, Samford, Tallet, Vehorn, Walcutt, Worst.
Vermont (1): Curtis.
Virginia (6): Brown, Burke, Higgs, Laratta, Mylod, Prus.
Washington (2): Bytheway, Newkirk.
West Virginia (2): Randall Clark, Kingsbury.
Wisconsin (18): Albrecht, Baumgarten, Draeb, Durkin, Golembiewski, Hanger, Janowiak, Marx, Naefken, Pianka, Pitterle, Rieger, Ritchie, Ruland, D. Sampson, Schaefer, White, Wurl.

Alberta (1): Carlson.
British Columbia (2): MacGregor, A. Thomas.
Manitoba (1): McBride.
New Brunswick (1): Bonnell.
Ontario (15): Broadhead, Chernos, Ellis, Falconer, Gravelle, Griffiths, Hepburn, Huehn, Lewis, Reid, Rosenberg, Ross, Sawatzky, Simons, Weeks.
Quebec (4): Carriere, Daigle, Guzzi, Patton.
Bermuda (1): Virtue.
Dominican Republic (1): Richard Clark.
England (1): Bunney.
Hungary (1): Ferenc.
Japan (3): Miki, Shirahama, Sugihara.
Korea (1): Hollis.
Switzerland (1): Schwarz.
West Germany (2): Blodorn, Crawford.

The Membership Picture

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



SOUTHERN FM DX

Wolf, cont.

JANUARY, 1980

7/17 Es		8/18 tr	
1540 Es fading out		0020 unID 104.5 test tone	
1910 <u>KKOK</u> 95.7 MN Morris	1052		
1952 <u>KSDN</u> 94.1 SD Aberdeen, m "\$-94"	1162	8/25 tr	
2013 MUF approx 97.5		0930 WJMA 96.7 VA Orange	
2019 <u>KKDQ</u> 92.9 ND Grand Forks	1155	0944 <u>WSVX</u> 98.3 DE Seaford, "Stereo 98"	80
2100 <u>KWIT</u> 90.3 IA Sioux City, k	1018		
2250 FM Es fade out		8/30 tr	
		0930 WYSP 94.1 WUSL 98.9, WSTW 93.7	
7/22 Es		9/1 tr	
1105-1130 unIDs, 89s		0920 WUSL, WWDB, WCAU	
7/26 tr		9/4 tr	
0723 WWST 104.5 OH Wooster		0825 WYFI 99.7 VA Norfolk	
8/1 tr		9/13 tr	
0935 <u>WAZZ</u> 101.9 NC New Bern, k	273	2235 WHDG 103.7 MD Havre De Grace	
8/3 tr		2241 <u>WWTR</u> 95.9 DE Bethany Beach	110
0843 <u>WSFL</u> 106.5 NC Bridgeton	270	2302 <u>WMYK</u> 93.7 NC Elizabeth City, r, "K-94"195	
0900 WAZZ 101.9 NC New Bern		9/19 tr	
		1517 WHAJ 104.5 WV Bluefield	259

Pat Dyer, 5315 Silvertip Dr., San Antonio, TX 78228 - Aug. 1 to Nov. 15
 Equipt: Realistic TM-1001 into an Allied 426, 6 el. Archer antenna at 20 ft. with rotator
 Central Standard Time used, new underlined, t-tentative

8/1 Es		8/1 Es	
0830 WKNGt 88.1 NC Raleigh, r	1230	1236 KBZTt 94.9 CA San Diego	1120
1255 f/outs		1355 XETRA 91.1	
0833 WSHAt 88.9 NC Raleigh, s	1230	1428 KSDSt 88.3 CA San Diego, j	1120
WDAt 89.9 NC Davidson, k	1110	1431 KYXY 96.5 CA San Diego, ads, ID	1120
0835 WQSM 98.1 NC Fayetteville, r	1200	1440 KFSD 94.1 CA San Diego, ads	1120
tr		1444 XHQft 98.9 BCN Tijuana, Sp.	1100
0838 KOOI 106.5 TX Jacksonville, ad	260	XHQSt 95.7 BCN Tijuana, Sp.	
KYKX 105.7 TX Longview, local ad	310	1510 XHRM 92.5 BCN Tijuana, area ads	
Es		1530 f/outs	
0840 WRQK 98.7 NC Greensboro, ID	1175	2015-2030 unIDs 88.1, 88.5, 89.1	
0845 WBAG 93.9 NC Burlington, ad	1190	2117 KXTct 92.3 AZ Glendale, r	840
0848 WEQR 96.9 NC Goldsboro, m	1260	2120 KXKQ 94.1 AZ Safford, k, ID	695
0850 WQDR 94.7 NC Raleigh, r, ID	1230	2122 KQYt 95.5 AZ Phoenix, m	835
0855 WSPAt 98.9 SC Spartanburg, m	1035	KUPDt 97.9 AZ Tempe, r	825
tr		2124 KDKBt 93.3 AZ Mesa, r	820
0858 KTAL 98.1 TX Texarkana, ID	380	2125 KOOL 94.5 AZ Phoenix, local ad	835
Es		2132 KUATt 90.5 AZ Tucson, k	750
0859 WGWG 88.3 NC Boiling Springs, NC nx		2135 XHMMPt 92.3 BCN Mexicali, Sp.	1010
tr		soon f/outs	
0900 KRCK 94.5 LA Shreveport, ID, r	350	8/2 tr, Es	
Es (spotty 89-94 to 0930)		0730 KQXY 94.1 TX Beaumont, ID, m	275
1020 KCSnt 88.5 CA Northridge, k	1210	0742 KCICt 33.5 CO Grand Junction, opera	870
1030 KFAct 92.3 CA Los Angeles, k	1190	0744 KTAL 98.1 TX Texarkana, ID	380
1105 KJYKt 94.9 AZ Tucson, m	750	0748 KQIX 93.1 CO Grand Junction, local ad	
1111 XHJC 91.5 BCN Mexicali, ads, Sp.1010		KALQt 93.5 CO Alamosa, m	690
1114 XHBAt104.1 BCN Mexicali(march)	1010	0752 KQIP 96.9 TX Odessa, local nx	280
1115 KJOKt 93.1 AZ Yuma, r	970	all rest Es:	
1118 XHMMP 92.3 BCN Mexicali, ID, ads, Sp.		0756 KUBC 94.1 CO Montrose, ads, ID	815
1124 KXKQ 94.1 AZ Safford, se AZ wx	695	0801 KCMEt 88.1 CO Manitou Springs, c	740
XETRA 91.1 BCN Tijuana, wx, "91-X"		KBYUt 88.9 UT Provo, nx	1045
1125 KBBct 98.7 AZ Phoenix, r	835	0802 KISN 97.1 UT Salt Lake City, wx, ID	
KUPDt 97.9 AZ Tempe	825	0803 KUBR 90.1 UT Salt Lake City, ID	1080
1126 WINZ 94.9 FL Miami Beach, wx	1150	0804 KZAN 97.9 UT Ogden, ID, k	1100
1129 KMEO 96.9 AZ Phoenix, wx	835	0806 KREX 92.3 CO Grand Junction, ID	870
KMCRt 91.5 AZ Phoenix, j		0808 KWHO 93.3 UT Salt Lake City, l. ad	1080
KXTct 92.3 AZ Glendale, r	840	0810 KCPX 98.7 UT Salt Lake City, ad	1080
1132 KOOL 94.5 AZ Phoenix, local ad	835	(0815, some VOR's in)	
1134 KDKB 93.3 AZ Mesa, ID	820	0822 KSOP 104.3 UT Salt Lake City, ad	1080
KTTI 95.1 AZ Yuma, EBS test	970	0827 KRCL 90.9 UT Salt Lake City, ID	
1145 f/outs		0838 KALL 94.1 UT Salt Lake City, ad	
1230 XHRMt 92.5 BCN Tijuana, r	1100	0839 KAWY 94.5 WY Casper, ID, ads	1015
1232 KFSDt 94.1 CA San Diego, k	1120		
1234 XHIST 90.3 BCN Tijuana, Sp	1100		

cont.

8/2 Es
0840 KRSN 98.5 NM Los Alamos, ID 625
0848 KISZ 97.9 CO Cortez, ID "Kisses-98"
0849 KWYK 94.9 NM Aztec, k, ID "95-Quick"
0855 KSUBT 92.5 UT Cedar City, k 1005
0910 lull
0930 unID 88.1 ne
1615 KQDY 94.5 ND Bismarck, area bb 1200
1625 KEYAt 88.5 ND Belcourt 1335

8/4 Es
0756 WBCL 90.3 IN Ft. Wayne, ID 1095
0758 CBE- 89.9 ON Windsor, c, ID 1230
"CBC Stereo Windsor"

0807 WTWR 92.3 MI Detroit, ID 1225
0810 CJOM 88.7 ON Windsor, r, ID 1230
0813 WMZKT 97.9 MI Detroit, German 1225
0820 WEMU 89.1 MI Ypsilanti, wx, psa 1200
0828 WMJC 94.7 MI Birmingham, ID 1235
0830 WCMUt 89.5 MI Mt. Pleasant, c 1235
0834 WCZYt 95.5 MI Detroit, m 1225
0837 WDRQ 93.1 MI Detroit, psa, r
0838 WWWt106.7 MI Detroit, r 1225
WJZZ 105.9 MI Detroit, local ad

0840 WJR 96.3 MI Detroit, area nx 1225
0844 WMBI 90.1 IL Chicago, ID 1045
0850 WRAX 88.3 IN Angola, g, local 1130
0855 f/out

1812 KFACT 92.3 CA Los Angeles, c 1190

tr
1815 KBAT 93.3 TX Midland, local ad 275

Es
1819 KCSNT 88.5 CA Northridge 1210
KSPCT 88.7 CA Claremont, r 1160
KJOIt 98.7 CA Los Angeles, m 1190
KVIMt 93.7 CA Coachella, Sp. 1080

1820 KFSD 94.1 CA San Diego, local ad
KPBS 89.5 CA San Diego 1120
XHLSt 90.3 BCN Tijuana, Sp 1100
1822 KSDSt 88.3 CA San Diego, j 1120

1823 KPRI 106.5 CA San Diego, area ad
1825 XHJct 91.5 BCN Mexicali, Sp. 1010
1827 KIFM 98.1 CA San Diego, local ad
1828 KECRT 93.3 CA El Cajon, CA nx 1100
1832 KQIP 96.9 TX Odessa, ID, (tr) 280
1833 KYXY 96.5 CA San Diego, area ad 1120
1843 XETRA 91.1 BCN Tijuana, "91-X", r 1100

spotty until 1900(sometimes little on TV)

8/8 Es
0710-0725 unIDs 88's
0728 WOSUt 89.7 OH Columbus, c 1130
0731 WXID 94.7 KY Mayfield, town ID 760
0733 WSRW 106.7 OH Hillsboro, wx, area ads 1080
0734 WSLM 98.9 IN Salem, ID 945
WGTCt 92.3 IN Bloomington, k 950
0735 WCSI 101.5 IN Columbus, wx 980
(some VOR's)
0740 f/out

1438 WGWGt 88.3 NC Boiling Springs, r 1060
1445-1455, 145501515 lulls
1516 WMHkt 89.7 SC Columbia, g 1075
1518 WRNS 95.1 NC Kinston, ads 1275
1522 WQSM 98.1 NC Fayetteville, ad 1200
1527 WBSR 96.9 NC Goldsboro, "Q-96" ID 1260
1531 WQDR 94.7 NC Raleigh, local ad 1230
1536 WLXnt 94.1 NC Lexington, m 1145
1540 WSHAt 88.9 NC Raleigh 1230
1545 WKCC 98.1 MI Saginaw, "KCQ" sports 1250
1550 WIAAt 88.3 MI Interlochen, NPR nx 1255
1600 f/out

8/10

Around 0950 a mini-tornado from Hurricane Allen went down this street. My TV/FM mast ended up with about a 20 -deg. bend some 5 ft. below the rotor. Things were fix-aimed n. e. until mast replaced on Aug. 24 or so.

8/14-17--at Central States VHF Society Conference in Colorado Springs, CO

9/30-10/1 tr
2158 KQTZ 105.9 OK Hobart, ID "KQ-106" 385
2350 KRLG 98.1 OK Lawton, ID, r 355
2355 KOPM 104.1 OK Oklahoma City, ID, r 420
0005 KJIL 104.9 OK Bethany, g, wx 420
0014 KLUR 99.9 TX Wichita Falls, k, ads 305
0022 KWOE 106.9 OK Clinton, psa, r 420

10/2 tr
0329 K TAL 98.1 TX Texarkana, ID 380
10/15 Es, tr
1905-1935 unIDs 88-95 GA? MN? SD?
1920 KQIP 96.9 TX Odessa, "Super Q" ID 280

11/9 tr
0546 K TAL 98.1 TX Texarkana, ID 380

I'd hoped to get things finally in sync this time. However, the fall F2 season and its 50 MHz effects have kept me busy. Also, a good session of mid-Nov. Es created a new backlog of tape to go thru, etc. Due to the wind damage just before the Perseid meteor shower not much was done with that. (some effort with the TV and a lot of listening on 144 MHz as well.) 73, Pat WA5IYX

Charles George, 6407 Howard, Dallas, TX 75227

My FM DX has been done with a Panasonic RF-2600, using the telescopic whip and other times 30 ft. wire-north/south. Most of my DX has been of central Texas and Ada and Ardmore, OK. On June 28 at 10 pm CST logged WKNO 91.1, Memphis, TN with opening night of the Newport Jazz Festival and a local jazz program. On July 17 managed between noon and 9 pm to get WPNT 92.9 and WPEZ 94.5 of Pittsburgh, PA. Also WMMR 93.3 Philadelphia, WQLN 91.3 Erie, PA; WQOD 93.3 Youngstown, WKTN 95.3 Canton, OH; CJOM 88.7 Windsor, CBC--Toronto 93.5 London, ON; WHWL 95.7 Marquette, WJFM 93.7 Grand Rapids, WKAR 90.5 East Lansing, MI and WPE 88.1 Elkhart, IN.

During the famous heat wave, I was able to pick up stations from Houston nearly all day and night except for the noon-3pm period. I am sending in the report late since I just rejoined WTFDA after finding myself addicted to FM DX. I am not sure what modes I was getting. 73's (If your set has a sensitive signal meter, you should be able to tell right off the bat what mode you are getting, with experience. DB)

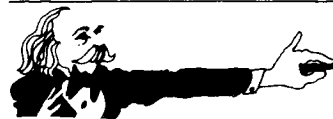
-more reports cont.-

Rick Samford, 404 S. McNeill, Burnet, TX 78611 - Nov. 7 to Dec. 6 CST

11/9 tr
0529 WALT 97.1 MS Meridian, "97-ALT" promo
0537 WTKX 101.5 FL Pensacola, p, psa,
"TK-101"
0800 KJAV 104.9 TX Alamo, g, EE
(King James Authorized Version)
11/10 tr
0859 KMFx 94.5 TX Lubbock, Y nx, ex-KLBK, r

12/ 2 tr
0000 XHRR 102.5 TAM Reynosa, s/off, new
0034 DJ at KNUS 98.7 of Dallas reports
listeners in Midland during this local tr.
12/6 gw
2306 KZEU 107.9 TX Victoria, new, auto r,
in \$, "Kazoo" slogans and frequent IDs,
TX #215

The only DX of any real consequence was the weak and short-lived tr into MS and FL. Some strong tr sessions from south TX and northern Mexico netted me the two new ones from that region. XHRR, Reynosa was discovered only because Frank Merrill had called to inquire about an unknown (and unlisted, as it turned out) Mexican station that he had heard in Toledo via Es on Nov. 16th. Wishing everyone the best of luck in 1981, Rick.



KCSC FM-90.1
"Your classic alternative."

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74074 - Nov. 13 to Dec. 10 CDT

Equip: Pioneer TX-9100 tuner, Antennacraft 10 el. yagi 30 ft. high and rotator

11/13 gw
1950 KOCC 88.9 OK Oklahoma City, ID, new
to the air, in mono only, light rock mostly.

11/18 Es
0000 KFXD 94.9 ID Nampa, ID
0009 KJCT 105.1 ID Boise, ID 1130
0011 KMVC 98.3 ID Burley, ID 1000
0019 KNAQ 92.1 ID Rupert, ID, wx, r
0024 KUUZ 96.9 ID Nampa, "Kdouble Z"

11/16 Es
1915 WJWJ 89.9 SC Beaufort, ID
1930 WAEV 97.3 GA Savannah, wx, "wave 97"

It was nice getting Es at such a seemingly strange hour and time of the year on the 18th. I probably could have done better with November's skip, had I discovered it sooner.

STICKER COLLECTORS: I received an interesting item from Fabrizio Floridi, an Italian, who collects radio and TV stickers. If you are interested in trading stickers with him, his address is: V. le G. di Leontini 260, 00124 Rome, Italy.

MORE ON OK UHF TV: My December TV comments probably sounded as if the new KAUT operations were unique in the TV business. Not quite so, since I learned since that Los Angeles has a station similar in format to KAUT, including scrambled TV and has been around for years. KAUT would not have been unique for long anyway, since many of the new UHF's coming on are following an all news day and scrambled tv nights type format.

In Oklahoma City, the new channel 14, a christian station, will go to the air this January and will be on 24 hours a day.

That's it for this month. Hope everyone has a happy new DXing year. 73

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 TX UT VA & WV.

NEXT MONTH
in the

**VHF-UHF
DIGEST**

the official publication of the
Worldwide TV-FM DX Association

MORE TIPS ON
PHOTOGRAPHING YOUR TV DX

LOTS OF TECHNICAL
QUESTIONS AND ANSWERS

HAS 1980 A "GREAT"
YEAR FOR VHF/UHF DX?

MORE F2 TV DX
RESULTS

WINTER DX
CONDITIONS

IN SEARCH OF PSB

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

IN SEARCH OF PSB.....This month's feature will focus in on the metropolitan area of Minneapolis, Minnesota. This feature comes by way of John Ebeling of Bloomington, Minnesota. John passes on the fact that he is able to receive the mobile telephone from Los Angeles. (John you might take note that I have received the Minnesota State Patrol at Rochester, St. Paul, and St. Cloud).

Hennepin County

460.025 Minneapolis Police South 1
460.10 Minneapolis Police North 2
460.175 Minneapolis Police Northeast 3
460.25 Minneapolis Car to Car 4 (Metro Emer)
460.425 Minneapolis Police Info 7
154.34 Minneapolis Fire
154.235 Minneapolis Fire #2
155.61 Hennepin Sheriff Primary
155.82 Hennepin Sheriff Emergency #3
154.755 Hennepin Sheriff Water Patrol
154.385 Hennepin Fire Primary
154.355 Hennepin Fire #2
155.70 Bloomington Police
154.07 Bloomington Fire
155.535 Brooklyn Center Police
154.43 Brooklyn Center Fire
155.685 Crystal Police
154.43 Crystal Fire
155.67 Edina Police
154.415 Edina Fire
155.43 Golden Valley Police
154.25 Golden Valley Fire
460.475 Mpls/St. Paul Airport Police
155.79 Richfield Police
154.205 Richfield & Airport Fire
153.86 Robbinsdale Police
153.77 Robbinsdale Fire
154.74 St Louis Park Police
154.31 St Louis Park Fire
460.075 University of Minnesota Police

Ramsey County

460.15 St Paul Police Primary 2
460.05 St Paul Police Midway 1 (10am -2am)
460.45 St Paul Police Car to Car 3
460.225 St Paul Police Special Events 4
460.375 St Paul Info 5
154.13 St Paul Fire Primary
154.01 St Paul Fire 2 (Paramedics)
155.625 Ramsey Sheriff Primary
154.77 Ramsey Sheriff 2
460.325 UHF Information-Ramsey County
154.22 Ramsey Fire
154.37 Lake Johanna Fire(Truck to Truck)
154.86 Maplewood & North St Paul Police
154.19 Maplewood, East City Line Fire
154.16 Mounds View Fire
155.04 North St Paul Police 2
155.07 Roseville Police 2
154.40 Roseville Fire
155.88 White Bear Lake Police & Fire

Emergency and Statewide Frequencies

155.475 Statewide Police Emergency
460.275 Metro Emergency
155.37 Point to Point Dispatcher
154.295 Fire Mutual Aid
45.66 Point to Point Suburban

Minnesota Highway Patrol
42.92 Golden Valley, Marshall,
Detroit Lakes (Dispatch)
42.66 Golden Valley, Marshall,
Detroit Lakes (Car)
42.64 St Paul, Mankato, Brainerd
(Dispatch)
42.72 St Paul, Mankato, Brainerd
(Car)
42.54 Rochester, Duluth, (Dispatch)
Thief River Falls
42.76 Rochester, Duluth, (Car)
Thief River Falls
42.50 St Cloud, Virginia (Dispatch)
42.76 St Cloud (Car)
42.66 Virginia(Mobile)
42.82 Game Warden Dispatch
42.82 Statewide Patrol Intersystem
42.88 Aircraft & Radar Enforcement

State Highway Maintenance

151.115 Minneapolis
151.055 Minneapolis
151.07 St Paul
151.025

Minnesota DNR

151.325 Primary
151.265 Overload
151.475 Emergency

Minnesota Counties

155.64 Anoka Sheriff Primary #1
155.565 Anoka Sheriff Countywide #3
154.815 Anoka Sheriff Admin. South #2
Col. Hghts, Fridley, Spring Lake PD
154.98 Anoka Sheriff North Admin. #2
Most other Anoka Cities
154.28 Anoka County Fire
158.94 Anoka City Fire
154.16 Elaine, Spring Lake Fire
156.00 Columbia Heights Fire
154.37 Coon Rapids Fire
153.95 Fridley Fire
155.76 Blue Earth Sheriff
155.19 Blue Earth/Nicollet Sheriff
155.31 Mankato Police
154.31 Mankato Fire

Minnesota Counties

155.55 Carver Sheriff Primary
155.985 Carver Sheriff 3
155.31 Chisago Sheriff Primary
155.025 Chisago Sheriff 3
155.595 Dakota Sheriff Primary
155.415 Apple Valley, Lakeview,
Farmington Police 2
155.655 Burnsville Police
155.865 Burnsville Fire
154.785 Eagan, Inver Grove
Rosemont Police
154.175 Eagan, Inver Grove Fire
155.52 West St Paul, Lillydale,
Mendota Hts. Police
154.445 West St Paul, Mendota,
Hastings, Apple Valley Fire
158.82 South St Paul Police & Fire
155.925 Goodhue Sheriff
155.025 Cannon Falls Police & Hospital
155.025 Isanti Sheriff
155.73 LeSuer Sheriff
154.965 McLeod Sheriff
(Car)
154.415 McLeod Fire
155.49 Mille Lacs Sheriff
155.58 Olmstead Sheriff Primary
155.805 Olmstead Sheriff 2
155.49 Rochester Police 2
154.37 Rochester Fire
155.13 Pine Sheriff
155.73 Rice Sheriff
155.25 Scott Sheriff Primary
155.745 Scott Sheriff (Car)
154.145 Scott County Fire
155.49 Sherburne Sheriff Primary
155.835 Elk River Police 2
155.925 Sibley Sheriff
155.415 St Louis Sheriff
155.67 Virginia Repeater
155.64 Ely Repeater at Duluth
155.595 Duluth Police Primary
154.31 Duluth Fire
155.625 Stearns Sheriff
155.07 St Cloud Police
154.37 St Cloud Fire
155.715 Wabasha Sheriff
155.19 Washington County Primary
154.845 Washington County Admin.
155.085 Cottage Grove, Newport,
St Paul Park Police
45.20 Bayport, Forest Lake Fire
39.98 Lower St Croix Valley
Fire Department
154.265 Washington, Hugo, Stillwater,
Lake Elmo, Newport Fire
155.13 Wright Sheriff Primary
156.21 Wright Sheriff 2
George Du Bois of Portland, Oregon
reports the following:
46.10 & 46.36
KJD 906 County of Hawaii Hilo
KJD 903 County of Hawaii Olaa
KJD 905 County of Hawaii Kona
KJD 908 County of Hawaii Kowalehae
KIK 959 County of Hawaii Laupahoehoe
KQL 991 County of Hawaii Pahala
KVC 491 County of Hawaii Hilo
KVC 492 County of Hawaii Hualalai
KVC 493 County of Hawaii Iolehaeha
KVC 495 County of Hawaii Kahuka
KVC 496 County of Hawaii Kapaeau
KVC 497 County of Hawaii Kona
KVC 498 County of Hawaii Kulani
KVC 499 County of Hawaii Naalhehu
KWI 790 County of Hawaii Volcano
KWI 799 County of Hawaii Hilo
KYJ 356 County of Hawaii Waimea
KYY 385 County of Hawaii Kaupulehu
KZV 393 County of Hawaii Pahala

State of Hawaii
46.54 KYN 929 Hilo
46.56 KRL 337 Hilo

American Red Cross
47.42 KKR 276 Honolulu

Oahu Civil Defence Agency
47.50 KRF 314 Ewa
47.50 KFK 596 Honolulu
47.50 KFK 598 Waiialua

Diamond Head Ambulance
47.50 KZQ 805 Honolulu

Hilo Electric Light Company
48.58
KKR 939 Haalehu
KLZ 974 Kohala
KLZ 975 Kohala
KLZ 976 Paauilo
KLZ 977 Kealia

35.88
KLT 258 Sekis Electric Forklift
Honolulu
WZP 502 Martin J. Sebastian
Honokas

VHF UTILITY DX

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

VHF UTILITY DX

JANUARY 1981

JANUARY 1981

The solar flux average for November came out as 221, giving a smoothed May value of still just over 200. (Last season Nov avg = 232). This good level provided a month with VHF F2 conditions a lot better than most had expected.

Some 50-MHz to 70-MHz (6-m to 4-m) crossband contacts have been made between New Brunswick and England, though the propagation mode on 4-m is generally believed to have been due to Es.

Other notable 50-MHz events recently: 52 MHz Australia to England; CA to England; the Italian beacon (15TDJ, 50.318) into Guam; several Ascension Is., Liberia, S. & S.W. Africa paths to US; 50-MHz New Zealand to US ne; 52-MHz VK4 to MN et al.; Hawaii to Ascension Is.; Hong Kong, Manila, Brunei to US west; Argentina to US nw.; Japan into US se.

My loggings. Bearcat 210 with 11-m gp at 14'; Hallicrafters SX-62 with 30' wire at 12'; daily F2 MUF peak(s) noted (* Es, bs-backscatter); new underlined, GMT used (see the 49-50 MHz section at the end)

11-6: (see also 49-50 MHz)
1325 KCA305 37.54 Eddington,ME-u
1340 41.5 BBC (TV audio)
1343 44.58 se; 1350 45 BBC (video)
1410 44.50 Bucaramanga,Colombia
1425 KCD571 42.14 W.Scarboro,ME-sp
1438 48.25 video; 1448 44.03 ne
11-7: (see also 49-50 MHz)
1325 44.58 se
1350 KEA860 35.22 NY,NY-tp
1355 41.5 BBC; 1410 45 BBC
1325 41.25 France (TV audio)
44.08 Can.? clg
1745 KTL617 39.10 Coupeville,WA-/
11-8: (see also 49-50 MHz)
1335 41.25 FR; 41.5 BBC
1350 45 BBC; 1412 43.30 Russian
1430 46.94 Spanish; 1430 47.64 se?
1513 48.26 video
1748 KJK777 39.76 Boston,MA-sp
1835 43.22 ne; 2235 43.87 Rus.?
11-9: (see also 49-50 MHz)
1343 41.5 BBC; 41.25 FR
1415 45 BBC; 45.7 Spanish
1450 48.26 vid.; 1540 48 BBC audio
11-10: (see also 49-50 MHz)
1343 KCA346 37.54 Ellsworth,ME-he
1400 41.25 FR; 1429 46.815 se
1600 45 BBC; 1602 low-45 NH,MA
1614 KCI295 43.22 Manchester,NH-tp
1623 KOA418 42.88 Astoria,OR-sp
1630 43.26 mobile-mp (nw)
11-11: (see also 49-50 MHz)
1325 KOP303 35.46 Langley,WA-mp
1309 43.7 se; 1315 41.25 FR
1320 KCD582 33.70 Harvard,MA-f
1343 41.5 BBC; 1355 48.25 video
1405 45 BBC; 1410 US 43 ne
1420 42.34 MA-p; 1655 43.26 m-mp
1655 KOB877 42.88 Tillamook,OR-sp
1728 KOA418

11-12: (see also 49-50 MHz)
1314 KCB979 33.90 Norwich,CT-f
1323 41.25 FR; 1350 41.5 BBC
1505 45 BBC; 1532 46.24 Spanish
1620 43.26 m-mp; 1705 46.52 US nw?
11-13: (see also 49-50 MHz)
1328 41.5 BBC; 1426 44.85 se
1432 45 BBC; 1500 43's US ne?
1507 44.08 Can.?; 1515 46.12 Can.?
1545 46.56 US nw?; 1605 48.26 ?
1901 KTL617
2345 KVA288 35.22 Portland,OR-tp
11-14: (see also 49-50 MHz)
1358 41.5 BBC; 1408 KCA346
1410 41.25 FR; 1440 45 BBC
1500 44.08 Can.?; 1530 44.58 se
1658 KTL617
1901 KOB238 37.58 Seattle,WA-light
11-15: (see also 49-50 MHz)
1348 KCA346; 41.5 BBC; 41.25 FR
1400 45 BBC; 46.815 se
1430 48.25 video
1600 KCB890 43.58 Fall River,MA-tp
11-16: (see also 49-50 MHz)
1325 KMB283 33.90 Orford,NH-rf
1340 41.5 BBC; 1343 41.25 FR
1358 45 BBC; 1555 48 videos
1555 43's US ne; 1635 48 BBC
1925 45.25 New Zealand TV video
11-17: (see also 49-50 MHz)
1410 41.27 FR; 1415 45 BBC
1418 41.5 BBC; 1510 47.9 Spanish
1530 43's US ne; 1537 48 videos
11-18: (see also 49-50 MHz)
1403 KGC884 35.58 Detroit,MI-tp*
1415 41.25 FR; 1419 41.5 BBC
1530 45 BBC; 1605 48 BBC
1608 48 videos; 1815 42.98 Can.?
1816 KCC340 39.10 Bellows Falls,
VT-local gov't

(Dyer, cont.)

11-19: (see also 49-50 MHz)
1353 41.25 FR; 1356 KCA346
1356 KCC405 37.54 Bangor,ME-he
1400 41.5 BBC; 1450 46.94 Spanish
1509 45 BBC
1620 KCA703 39.82 Fairhaven,MA-p
1705 KTL617; 42.06 Ontario police
1838 KOB307 42.82 Coquille,OR-sp
1814 KOA418; 1820 KOB877
1820 43.26 Portland,OR-m-mp
1823 45's OR; 2251 KOB238
2259 KCW348 33.90 Ft.Fairfield,ME-f
11-20: (see also 49-50 MHz)
1328 KDA383 33.90 Milford,NH-f
1329 KDC288 " Hollis, " "
1329 KCD582; 1330 KCB979
1355 KCA305; 1357 KCC405
1430 41.5 BBC; 1435 41.23 FR
1530 45 BBC
1625 KCA570 39.82 Newburyport,MA-p
1630 42.98 Can.?; 1810 42.34 US ne
1850 KOB877; 2106 KTL617
2200 KOB238
2212 KDQ223 33.82 E.Brunswick,NJ-f
2245 45.25 New Zealand video
2340 40.49 Russian?
11-21: (see also 49-50 MHz)
1435 41.5 BBC; 1540 45 BBC
1625 KCI295; 1655 KOA418
1700 43.26 Seattle,WA-m-mp
1732 KOB877; 1745 KOB307
1904 43.26 Bellingham,WA-m-mp
2011 KTL617; 2254 KOB238
11-22: (see also 49-50 MHz)
1410 41.5 BBC; 1435 41.25 FR
1810 43's US ne
11-23:
1400 KCA305; 1410 41.5 BBC
1410 41.23 FR; 1525 39.82 US ne
1547 46.74 Spanish; 1847 KVA288
2215 40.64 Pacific?
11-24: (see also 49-50 MHz)
1320 KQI316 33.90 Cincinnati,OH-f*
41.25/.23/.27 FR
1328 41.5 BBC; 1400 KCA346
1413 39.1 US ne; 1455 46.74 Sp.
1655 42.98 Can.?.; 1808 43.26 m-mp
2235 45.26 NZ vid.; 2237 KOB238
11-25: (see also 49-50 MHz)
0004 35.26 Seattle,WA-mp
1400 41.5 BBC
1404 KCD454 33.70 Hyannis,MA-fdi
KCD246 " S.Yarmouth,"-f
KCF264 " Truro, " "
KCD271 " Harwich, " "
KCF358 " Centerville,""
KCD492 " Dennis Port,""
1405 KCD497 " Buzzards Bay,""
KCD500 " Wellfleet, " "
KCD556 " Orleans, " "
KCF574 " Mashpee, " "
KCD594 " Chatham, " "
KCD697 " Provincetown,""
KCD760 " Osterville, " "

11-25:
1405 KCB781 33.70 Barnstable,MA-cf
KCD574 " Eastham, "-f
1440 41.25 FR; 1445 KCA305
1447 KCC405; 1455 46.24 Spanish
1555 45 BBC; 1625 39.82 US ne
1632 42.98 Can.?.; 1640 48.25 beat
1658 KUA287 43.58 Portland,OR-tp
1700 KOP303 43.62 Langley,WA-m-mp
1817 KOA418; 1947 KTL617
11-26: (see also 49-50 MHz)
1401 KCD454
KCD244 33.70 Falmouth,MA-f
KCD246,KCF264
1402 KCE288 33.70 W.Tisbury,MA-cf
KCF358,KCD492,KCD497
KCD498 33.70 Sandwich,MA-f
KCD500,KCD594
1403 KCF574,KCD760,KCF781
KCD845 33.70 Brewster,MA-f
KCD574,KCD271,KCD697
1425 41.5 BBC; 1430 41.25 FR
1445 45 BBC; 1500 42's US ne
1508 48.25 video; 1528 48 BBC
2013 KTL617; 2310 45.26 NZ vid.
11-27: (see also 49-50 MHz)
1509 45.1 Spanish; 1525 41.27 FR
1538 41.5 BBC; 1555 45 BBC
1610 42.98 Can.?.; 1748 KOA418
1757 39.82 US ne; 2035 43.26 m-mp
2100 45.26 N.Z. video
11-28: (see 49-50 MHz also)
1347 41.5 BBC; 1403 KCD246
1407 KCF325 33.70 Norfolk,CT-vf
1442 45 BBC; 1447 41.25 FR
1510 low-43 Can.; 1520 42.5 US ne
1550 48.24 beat; 1610 48 videos
1735 KOA418; 1745 43.26 Seattle-m-mp
2100 45.25 N.Z. video
11-29: (see also 49-50 MHz)
1406 KCD246,KCF264,KCE288
KCF481 33.70 Barnstable,MA-fdi
1407 KCD497,KCD556,KCF574,KCD594
KCD760,KCB781,KCD845,KCD574
1408 KCD454,KCD492; 1410 41.5 BBC
1413 41.25 FR; 1436 KCA346
1455 39.82 US ne; 1525 45 BBC
1625 42.98 Can.?.; 1940 43.26 m-mp
11-30:
1359 KDA383,KDC288
KDA381 33.90 Wilton,NH-f
1410 41.25 FR; 1425 41.5 BBC
1425 44.58 se; 1455 45 BBC
1638 39.82 US ne; 1640 42.98 Can.?
2012 KCA305; 2032 KCA346
12-1: (see also 49-50 MHz)
1355 41.5 BBC; 1400 41.25 FR
1401 KCA305; 1435 39.82 US ne
1620 45 BBC; 1640 42.98 Can.?
1858 KTL617; 2002 KOB238
12-2: (see also 49-50 MHz)
1358 41.25 FR; 1401 KCA305
1402 KCA346; 1412 41.5 BBC
1430 45 BBC; 1526 42.98 Can.?
1531 48.25 beat; 1800 39.82 US ne

(Dyer, cont.)

12-1: 12-5: (see also 49-50 MHz)
 1817 44.08 Can.? 1359 KDA381
 1822 KCG650 39.10 Woodstock, VT-lg 1400 KAX916 33.70 Lunenburg, MA-f
 1836 KTL617; 2232 40.64 Pac.? KCE353 " Townsend, " "
 12-3: 1401 KCD454, KCD271, KCE288
 1344 41.25 FR; 1350 45 BBC 1402 KCN857 33.70 Winchendon, MA-f
 1407 41.5 BBC; 1443 39.82 US ne KCD492, KCD497, KCD498, KCD500
 1446 46.74 Sp.; 1615 42.98 Can.? KCF574, KCD594, KCD697, KCD760
 1747 KTL617; 1835 KCA346 KCB781
 1836 KCA305; 1844 KCC405 1403 KCA639 33.90 W. Wareham, MA-f
 12-4: 1431 KCC405; 1447 39.1 US ne
 1445 41.5 BBC; 1452 41.25 FR 1455 41.27 FR; 1510 41.5 BBC
 1501 KCA346; 1540 46.24 Spanish 1523 KCA346; 1550 45 BBC
 1600 KCA305; 1635 40.32 Fr. Can. 1735 40.32 Fr. Can.; 1737 KTL617
 1804 KTL617 2023 KOB238

f-fire (c-county, di-district, r-regional, v-volunteer)
 g-government (c-county, l-local)
 he-hydroelectric; mp-mobile phone (m-mp mobile unit)
 p-police (s-state); tp-tone pager; u-utility

49-50 MHz, Swan 250 with Ameco nuvistor preamplifier, 5-el Cushcraft horizontal Yagi at 23 feet with rotor

11-6: 1845 KL7NO 50.1+ Fairbanks, AK; 2205-0010 49.75 nw videos
 7: 2258-0050 49.75 nw videos
 8: 1445-1455 49.75 ne videos; 1900-1920 VY1AU 50.1+ Whitehorse, Yukon
 1940-45, 2200 WL7ACY 50.1+ Fairbanks, AK; 2245-0030 49.75 nw vid.
 9: 1455 TX bs; 1455-1550 49.75 videos ne
 1600 VO2AG 50.1+ Labrador City, Labrador; 1630 VE7ASI BC
 2030 KL7HBK 50.09 Kodiak, AK; 2050 WAØLPK/KL7 50.08 Anchorage, AK
 2055 AL7C 50.1+ Anchorage; 2126 KL7JAI 50.1+ Anchorage
 2130 KL7WE " " ; 2158 WL7ACY; 2310 KL7IVL 50.1+ Pedro Bay, AK
 2310-0025 49.75 videos nw
 10: 1525 VO1KG 50.1+ Gander, Newfoundland; 1545-1615 bs W5,8,9,Ø
 1805 KL7IBG 50.1+ Ketchikan, AK; bs W4,5,8
 1845 KL7HBK; 1850 bs W3,9; 1918 KL7IFP 50.1+ Saxmun, AK
 2000 bs MN; 2045 KL7WE; 2050 KL7HMH 50.1+ Anchorage
 2109 KL7JIZ 50.098 Fairbanks; 2110 WAØLPK/KL7; 2115 KL7NO
 2158 WL7AFA 50.15 Fairbanks; 2225 JA9
 2237 JK1RWC 50.17 Omiya, Saitama, Japan
 other JAL's until 2305 or so
 11: 1425 VE1AVX 50.1+ Bridgewater, Nova Scotia
 1520 VE1ASJ 50.1+ St. John, New Brunswick
 1705 bs MI; 1735 bs W4,5,Ø; 1810 VE6NM 50.1+ Grand Prairie, ALTA
 1840 KH6IAA 50.1+ Hilo, HI; 1845 KL7IFP; 1920 VY1AU
 2050 KL7HBK; 2055 VE8VHF 50.05 Yellowknife, NWT (cw beacon)
 2115 KL7IVL; 2140 VE4 bs; 2145 WAØLPK/KL7; 2200 bs W1,2,3,4,5,8,9,Ø
 2212 JAL's; 2245 JA8EIA Hokkaido, Japan
 2300 JA8QX 50.1+ Abashiri " " ; other JAL, 7,8
 2307 JH1ECU " Maebashi, Gunma, Japan
 12: 1715 VE8VHF; 1720 W5 bs; 1740 KL7IFP; 1800-1900 VE1, W4,8 bs
 1920 KL7HBK; 1930 KL7IBG; 2130 KL7NO; 2325-40 49.75 nw videos
 13: 1800 VE8VHF; 1803 KL7IFP; 1840 KL7NO; 1930 KL7IVL; 1937 KL7HBK
 1948 KL7JIZ; 1951 WAØLPK/KL7; 2010 VY1CM 50.15+ Mayo, Yukon
 2015 KL7IBG; 2035 KL7HMH; 2055 KL7WE; 2140 AL7C
 2258-2355 49.75 nw videos; 2235 WL7AFA
 2240 W6HF/KL7 50.1+ Cold Bay, AK
 14: 2130 KL7NO; 2140 VY1AU 50.085 (cw beacon); WAØLPK/KL7
 2143 KL7JAI; 2220-0040 49.75 nw videos
 15: 1400-1435 49.75 ne videos; 1439 VP9WB 50.1+ Bermuda
 1600 video in band; 1625 ZB2BL 50.1+ Gibraltar
 1820 W5's bs; 1840 KH6IAA; 1855 KH6EQI 50.1 (cw beacon) Honolulu
 2015 50.76 New Zealand TV audio ?

(Dyer, cont.)

11-16: 1420 VP2VGR 50.1+ British Virgin Islands
 1426 WAUWH/KP4 50.1+ St. Thomas US Virgin Islands
 1435 KV4FZ 50.1+ US V.I.; DL3ZM/YV5 50.1+ Caracas, Venezuela
 1445 KP2A 50.1+ US V.I.; 1500 WH0Y/KP4 50.1+ Puerto Rico
 1505 PJ7GIL 50.1+ St. Maarten; 1515 WP4ACV 50.1+ " "
 1630 ZB2VHF 50.035 (fsk beacon) Gibraltar
 1640 VO1JN 50.1+ St. Johns, Newfoundland
 1650 VO2AG; 1807-1835, 1915-1950 KH6IAA
 17: 1528 49.75 ne videos; 1546 VE1ASJ; 1547 VE1AVX; 1550 VO1JN
 2145 50.75 New Zealand TV audio; 2205 50.1+ ZL40Y
 2220 ZL1MQ 50.1+; TV audio out about 2315
 18: 1530-1600 49.65/.7 Spanish; 1820 W6 bs; 2040-2050 50.75 NZ aud.
 19: 1920 KH6EQI; 1925 MO bs; 1945 WH6ADA 50.1+ Kauai, HI
 20: 1445-1510 49.65/.7 Spanish; 0915 AZ bs; 1930-45, 2010-15 KL7IFP
 21: 1420-1700 49.65/.7 Spanish et al.
 1442 HC1BI 50.1+ Quito, Ecuador; 1453 J73A 50.1+ Dominica (W.I.)
 1459 YV4-- 50.1+ Valencia, Venezuela;
 1505 50.075/.125 Colombia (fm repeaters)
 22: 1425-1525 49.65/.7 et al. Spanish; 1525-1720 bs W4,5,6,7
 1540 50.37 Spanish (fm); 1905 KH6HI 50.1+ Oahu, HI
 1920-1950, KH6IAA; 2050-2125 50.75 New Zealand TV audio
 2130-2145 bs W4,5,6
 24: 1920-25, KL7NO, KL7JIZ; 1940-45 KL7NO; 2035 KL7NO
 (1425 ZB2VHF, Es linked)
 25: 1750-1820 faint WA, OR direct; 1820 VE7ECC BC
 2315-0000 49.75 nw videos
 26: 1505-1515 49.7/.9 Spanish; 1535 49.75 ne videos
 1538-1715 ZB2VHF; 1545-1725 VE1BFP 50.1+ Summerside, P.E.I.
 1548 VE1AVX; 1550 50.3 Spanish; much video in band
 1628 VE2EFL 50.1+ PQ, Canada; 1634 I5TDJ 50.020 Florence, Italy
 1655 P6FHP 50.1+ France (likely unauthorized)
 1710 WALEXN (Maine) faint
 27: 2110-2120 50.75 New Zealand TV audio
 2235-2240 KG6DX 50.1+ Guam
 28: 1410-1420, 1450-1505 49.65/.7 Spanish
 2000-2035 KH6IAA; 2110-2145 50.75 N.Z. TV audio
 29: 1510-1625 49.65/.7 Spanish; 1945-50 KH6IAA
 2100-2245 50.74 N.Z. TV audio (Es link thru Mexico)
 12-1: 1340-1600 49.65/.7 Spanish; 2130-55 KL7NO
 2: 1555-1610, 49.65/.7 Spanish; 1555 49.75 ne video
 1640 49.65/.7
 5: 1530 49.65/.7 Spanish

African beacons, "normal" frequencies

ZS3E - 50.070; ZS6DN - 50.056; ZS6LN - 50.050; ZS6XJ - 50.045
 ZS6PW - 50.029; EL2FY - 50.030

In most of these, once the operator gets word that the beacon is being received at a DX location the beacon is shut off so that two-way contacts may be attempted on that (or other chosen frequency). Also, using 28,885 MHz, some of these may be temporarily shifted on request for such reasons as to avoid interference being experienced on the normal frequency.

At this writing, it looks like the December lull (unlike last year) has begun to set in. We can only hope that the Feb-Apr season will be more normal (productive) this time than it was in 1980. Activity from Liberia and Ascension Is. has not been available at that time of the year yet and ought to give a lot of interesting information on the VHF paths possible then.

73, Pat WA5IYX

WESTERN TV-DX

January 1981

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

Deadline: 5th

Western TV DX

January 1981

Pat Dyer (continued)

August 1980

13 Es 1315 unid 2
20 tr 0431 WBRZ 2 LA 450
KPLC 7 LA 325
0440 KTBS 3 LA 350
0443 KJAC 4 TX 280
0457 KBIT 12 TX 275
0531 KLFY 10 LA 305
0629 KFDA 6 TX 275
Es 1123-1200 unids 2,3
1131 WFLY 2 NC 1175
26 ms 1600 KTVI 2 NC 790
tr 2359 KERV 9 MX
27 Es 1925 unids 2 ne
1940 WDET 2 OH 1075
WAVET 3 KY 945
2015 f/outs
23 Es 1355 unid 2 ne
29 (1976 model VHF on agn)
Es 0925-0930 unids 2 ne
1005-1010 unid 2

8 0700-0720 lots of ms
9 Es 0710-0355 unids 2-4
10 Es 0845-0850 unid 2 ne
12 tr 0428 WAFB 9 LA 450
0430 KJAC 4 TX 280
0445 KFLC 7 LA 325
0517 KFDM 6 TX 275
13 tr 0523 KFDM 6 TX 275
KPLC 7 LA 325
KTRF 9 TX 280
0525 KLTW 7 TX 280
30 tr 2114 KFDX 3 TX 305
2115 KSWO 7 OK 355
2311 KMTV 9 OK 420

15 Es 2045 f/outs
(hvy storm GRN to nw)
16 Es 2100 KOTAT 3 SD 1040
2115-2145 unids 2,3/
nw
17 Es 1800-1905 unids 2-5/
spanish
1930 KHPT 3 PU 730
2115 f/outs
(Es links w/TE on 50
MHz to S. America)
19 Es 1430 WGR 2 NY 1420
1435 WKYC 3 OH 1250
1455 KDKAT 2 PA 1230
1535 f/outs
(loc. storm GRN)

October 1980

1 tr 0054 KFDX 3 TX 305
0055 KLBK 13 TX 340
0058 XHX t10 NL 275
1029 KNID 2 TX 275
KOSA 7 TX 280
1044 KTLSt24 LA 350
1103 KGMC 34 OK 420
1105 KOKH 25 OK 420
1125 KWTW 9 OK 420
1126 KETA 13 OK 420
KOET 3 OK 440
4 Es 2023-2035 KDIX 2 ND
9 tr 0723 KADN 15 LA 395
WGN0t26 LA 510
WAFBt 9 LA 450
15 Es 1730 KDIX 2 ND 1285
1733 KTRW 2 WY 1015
1738 KOTA 3 SD 1040
1750 unid 4
1759 WBAY 2 WI 1190
1850 KHOP 2 NE 815
(MUF 95.3 @ 1923)
2013 KWGN 2 CO 810

19 Es 1755 unids 2,3
1039 WPBT 2 FL 1150
1900 f/outs

November 1980

7 tr 0558 KPLC 7 LA 325
WJTV 12 MS 525
WAFBt 9 LA 450
KLFYt10 LA 395
0600 KALBt 5 LA 335
0602 WRCK 11 MS 620
0605 WAPNt16 MS 525
KLAAt14 LA 490
0610 WLAU 17 MS 470
0619 WLAAt 14 MS 620
0625 WGN0t26 LA 510
WRBt53 LA 450
0632 WLAH 10 MS 570
9 tr 0547 WBRZ 2 LA 450
0548 KATC 3 LA 395
KLTW 7 TX 280
0549 KNOE 8 LA 440
10 tr 0640 KPLC 7 LA 325
13 tr 0507 KLTW 7 TX 280
0526 KPLC 7 LA 325

New _____ New Mode _____ Tentative - t Unidentified - unid.

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

Equipment: 9" Penncrest B&W (1976 model 1001, mostly for VHF; 1980 model 1001-D, mostly for UHF): Archer V-100 and 8-bay bow-tie UHF array at 20 feet with rotor.

August 1980

1 ms 0151:50 WNGE 2 TN
Es 0758 unids 2
(lots of tr)
tr 0815 KLAAt14 LA 430
WAPNt16 MS 525
Es 0829 WDET 2 OH 1075
(MUF 93.9 @ 0855)
tr 0859 KLTW 24 LA 350
Es 0959 WFLY 2 NC 1175
1020 KNBCt 4 CA 1190
(MUF 92.3 @ 1030)
1027 KTLAT 5 CA 1190
1029 KNXT 2 CA 1190
1055 KVOAt 4 AZ 750
1059 KTVK 3 AZ 835
1102 KUATt 6 AZ 750
KPHOt 5 AZ 835
(MUF 104.1 @ 1114)
1200 unid 2 spanish
1230 XHAqt 5 BGN1010
XETVt 6 BGN1100
(MUF 94.1 @ 1232)
1259 KOAI 2 AZ 855
1350 XHBC 3 BGN1010
(MUF 93.9 @ 1444)
1553 YSR 2 ES 1200
1759 CKGO 2 ON 1410
1855 WCCOt 4 MN 1110
1859 KTCA 2 MN 1110
(MUF 89.1 @ 2030)
2100 WBAY 2 WI 1190
2110 WFRVt 5 WI 1190
(MUF 93.7 @ 2122)
2159 XHBC 3 BGN1010
2230 f/outs to nw
2 tr 0419 KNOE 8 LA 440
0521 KLTW 7 TX 280
0609 KLTSt24 LA 350
Es 0640 unids 2,3 ne
0659 WSJK 2 TN 1010
0705 WSM t 4 TN 820
(MUF 107.9 @ 0806)
0945 KNBCt 4 CA 1190
0959 KVCB 3 NV 1050
KOAI 2 AZ 855
1015 KVOAt 4 AZ 750
1059 WSB 2 GA 880
WMAB 2 MS 615
1125 WCBdt 2 SC 1120
1129 WNGE 2 TN 820
1230 f/outs
1315-1320 unids 2-4
1530 unids 2,3 nw
1541 KTVQ 2 MT 1245
KTWO 2 WY 1015
1602 KFYrt 5 ND 1200
(MUF 94.5 @ 1615)

2 Es 1620 KPRyt 4 SD 1035
1629 KEHE 3 ND 1200
KDIX 2 ND 1225
1640-1705 lull
1755 KXLft 4 MT 1365
1859 KTWO 2 WY 1015
1929 KTVQ 2 MT 1245
2028 KTVst 3 CO 815
2058 KUTV 2 UT 1080
KTVXt 4 UT 1080
2140 KVBct 3 NV 1050
2158 KOAI 2 AZ 855
2217 KNXTt 2 CA 1190
2205 f/outs
3 Es 2115-2135 unids 2 ne
4 Es 0710 unids 2 ne
0720 WDTnt 2 OH 1075
0729 KDKAt 2 PA 1280
0755 WJW t 4 MI 1225
(MUF 106.7 @ 0838)
0959 WBAY 2 WI 1190
1029 CKCY 2 ON 1405
1045 f/outs
1659 KNOP 2 NE 815
1807 KTVK 3 AZ 835
KNBct 4 CA 1190
1808 KNXT 2 CA 1190
1810 XHAqt 5 BGN1010
(MUF 106.5 @ 1823)
1826 XHBC 3 BGN1010
XETV 6 BGN1100
1840 KVBct 3 NV 1050
KVVUt 5 NV 1040
1857 unid 2 spanish
1900-2100 unids 2-4/
w,nw

8 Es 0940 f/outs
1400-1510 unids 2-4
1515 WJW t 4 MI 1225
(MUF 98.1 @ 1522)
1558 WJBK 2 MI 1225
1600 WKZot 3 MI 1140
1616 WBBM 2 IL 1045
1623 WTWO 2 IN 935
1659 WBAY 2 WI 1190
1730 lull
1758 KTCA 2 MN 1110
1802 WCCOt 4 MN 1110
1845 f/outs
2055-2300 unids 2,3
2125 WSJKt 2 TN 1010
2158 WFMY 2 NC 1175
9 (Ch2 Houston on all nite
due to impending hurri-
cane Allen, which didn't
move their way afterall)
Es 0859 WFMY 2 NC 1175
1030 WWAYt 3 NC 1250
1035 WBTvt 3 NC 1105
1107 unid 6
1125 WCCOt 4 MN 1110
1129 WMT 2 IA 945
KDLH 3 MN 1250
1130 KTCA 2 MN 1110
1300 f/outs
1730 unid 2 ne
1807-1815 unid 2
1955 unid 2 n
2315 unids 2 n
2320 KTCA 2 MN 1110
WCCOt 4 MN 1110
2325 CBWFTt3 MB 1410
2330 KDIX 2 ND(s/of)
2357 KOTA 3 SD 1040
10 Es 0000-0015 unids 2,3
(loc. 4,5 on al nite)
0820-1045 unids 2 ne
0950 (mini-tornado)
1620 unids 2
11 tr 0400 strong tr mak-
ing ms a mess
Es 1305 unid 2
12 tr 0015 WCBdt 9 LA 450
ms 0400-0403 unids 4
0419:55 WRBL 3 GA
(locals on by 0445)
13 ms 0344:35 WSB 2 GA
0435 WBRZ 2 LA 450
(0445 locals on)
14-17 at Gen. States VHF
Soc. Conf. Col. Sprng.
18 (1976 model out again)
Es 1020-1140 unids 2,3/
ne

September 1980

4 Es 0705-0715 Cuba 2
0835-0855 unids 2,3/
1925 unids 2 nw
2108 WJBK 2 MI 1225
WJW t 4 MI 1225
2200 f/outs
5 Es 0545-0550 WFMYt 2 NC
7 Es 1430 WCBdt 2 SC 1120
1435 WCIVt 4 SC 1120
1450 WFMYt 2 NC 1175
(lots of loc. lghtng)
1610 f/outs
2020 WSAvt 3 GA 1050
WCIVt 4 SC 1120
2027 WCBdt 2 SC 1120
2055 f/outs

Well, I nearly caught up with things this time.

On August 10, at around 0950, a mini-tornado product of Hurricane Allen went down this street. The TV mast ended up bent around 20 degrees about 5' under the rotor. Antennas fix-rimed ne for a long time. Fortunately, most ms I look for is out of the northeast anyway. On August 24 I finally got a new mast up and antennas are now rotatable again.

On September 1, I tried for ms with the Lewis Telethon with no luck.

The unusual items here would seem to be the very early morning Es on August 8 and the very late morning trop to Oklahoma on October 1.

A good bit of mid-October Es events, some during the daylight hours.
73, Pat, WA5IIX

(Thanks for the report, Pat. Western DX'ers, please submit your DX items. There is plenty of room in this column for more reporters! fm)