



MAILBOX

John Zondlo
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Bethany, OK 73008
(405) 787-3717
Deadline: 5th

New Members:

Robert DeMers	P.O. Box 40106	Portland, OR 97240
Edward Huber	104 W. Nippon St.	Philadelphia, PA 19119
Paul Kinnaly, Jr.	77 Booth Road	Dedham, MA 02026
Rick Matthew	2972 W. 2nd Ave.	Vancouver, BC V6K 1K4
R. Thomas McGregor	1405 E. Vegas Valley, Suite 189	Las Vegas, NV 89109
Ronald Purdue	Route 1, Box 224	Byron, MN 55920

Renewals:

Mike Bugaj, Robert Grant, Dave Hascall, Glenn Hauser, Jim Korn, Kurt Nelson, William C. Palmer, Edward Sirovy, Ralph Strobel, Rich Turcsany, John Walters, Dave and Paul Wardell, Larry Weil, David Wilson, Jim White.

Rejoin:

Artie Bigley-3300 Murworth, #110-Houston, TX 77027

Address Changes:

Saul Chernos-c/o Carleton University Residence-1233 Colonel By Drive-
Ottawa, ON K1S 5B7
David Legler-346 E. Wadsworth Hall-Houghton, MI 49931
David Riley-19444 Imperial Highway-Redford, MI 48240
Morris Sorensen-113 Trayborn Drive-Richmond Hill, ON L4C 4K6
Jim Stiles-CFAO/NAFK-Box SU/LR ADP-FPO Seattle, WA 98770

Renewals Due in November:

B.W. Battin, Albert J. Bernard, G. Cranston Bonnell, Dr. James Condon, Bill Fahber, Robert Fischer, John Foster, Jr., Robert Foxworth, Richard Hawkins, John Jefferson, Michael Koronka, Ed Kowalski, Deane McIntyre, Dave Pomeroy, Lee Prescott, Marvin Shults, L. Vehorn, Tom Yingling.

Leading off the intros this month is PAUL KINNALY, JR. His DX gear includes a Sony STR-V55 receiver, an Archer 6 element antenna and an Archer rotor at 20' for FM, a Sony KV-1212 Color TV, RCA VHF-UHF antenna and an Alliance rotor at 30' for TV, and a Bearcat 250 with a Channel Master multiband dipole at 25' for PSB. Paul is also a member of NASWA and RCMA, and has several calls: WDX1PK (HF), KMA1PK (VHF), and KEQ2383 (CB). He writes, "In all honesty, my days as a DXer are pretty much over. I guess the best description would be a listener. I'm fascinated by radio and TV. While I enjoy taking advantage of good DX opportunities when they come around, rarely will I specifically set out to spend a night (or day) DXing. I have QSLed more than 90 SWBC stations in over 75 countries; while I haven't QSLed other services, I've logged FM stations in all New England states plus several others, and PSB stations in about 25 states. I also enjoy video recording and, if I ever do any serious TV DXing, intend to videotape any results, just as I audiotape my radio catches. Located as I am just 4 miles from the bulk of Boston's many TV and FM transmitters, DXing is a real challenge!" Next up is new member RICK MATTHEW. He's a 32 year old technician who also belongs to SPEEDX, ASWLC, NASWA, CANDX, CIDX, SDXC and RCMA. Rick's gear includes a Bearcat 220 and a Bearcat 250.

Wrapping it up this month is RONALD PURDUE. He writes, "My first owned TV set was an RCA 15" used B&W back in 1966. It had no UHF tuner. My parents bought a big RCA 25" color TV in 1968 that first had UHF, and in January of 1969, I succeeded in pulling in my very first UHF station, WMTV 15 Madison WI. Through the years I kept on buying better and better equipment. My present equipment includes an Archer VU-120 and an Archer stereo supreme FM antenna. I use a JC Penney 5" portable B&W TV and a 1973 RCA 16" color TV. I also have a Realistic Modulaire-8 stereo system. Within a year I hope to trade the RCA color model in for a new 1982 RCA color model and put up a Winegard all channel TV preamp. I am hoping to be the best DXer in southeast Minnesota!"

Tidbits.....

As you read this, our dues stand at \$15 per year. The reason for the increase is simple: it costs us more to prepare the VUD and send it to you. At present, the average VUD costs 69c to print. Add to this the present two ounce postage rate, 35c, and you have a total cost of \$1.03 per issue, or \$12.36 per year. Now, while the postal rate commission has put a temporary halt to a postage rate increase, it is inevitable that the rates will go up. As you recall, the last request was for 20c first class. This would amount to a two ounce rate of 39c, or a 4c per issue increase. This would add 48c more to the cost of VUD mailing. Printing rates are also always subject to increase. Hence, the board saw the necessity for a dues increase, hopefully the last for a long time. The increase will give us a hedge against cost increases in the near future, and help build up the club bank account, which was almost totally expended to pay for the printing of the latest TV Station Guide. We have cut corners to reduce expenses. As you've noticed, the VUD is now printed on thinner paper, to allow us to send you more pages at the two ounce rate. We've not sent out an IRCA/NRC mailing this year, which saves around \$75. Three former board members, all of whom were performing other duties for the club since leaving the board, will be required to pay the editor's rate effective the first of the year (they were receiving a free membership). Editors will bear the full brunt of this increase, with their dues going up \$2 to \$12 per year. The dues for foreign members will also go up, as their postage rates have gone up markedly. At present, the board is considering a proposal to move the publishing and mailing to another city to cut expenses and speed up mailing out of the VUD. Dues have not gone up in over two years, and hopefully won't go up for quite a while. Our club is not alone in this problem. If you belong to other clubs, you'll see they have the same problem. We hope you'll bear with us as we try to keep costs down and improve service.

Speaking of service, I must admit, I really blew it. I've had a report from Robert Grant hiding in my apartment for quite a while. My sincere apologies, Robert. It's a bit old, so you'll have to get out your back issues to look up some of the stuff: "I have received my February 1981 VUD, and I would like to comment on Technical Topics' notes on stations running color bar patterns. Many stations don't bother to superimpose their identification over their color bars. First of all, the FCC requires some form of ID on the hour, testing or not (this is usually done on audio if the station is not supering an ID, real lot of help for a MS burst, hi). To any TV station engineers: if your station doesn't super an ID over their CB pattern, ask the boss if you can run an ID! I also thought that Bill Fahber's report on station offsets was very interesting (page 3). Now, if we could use digital frequency meters in our TV sets and get the FCC to enforce a single, exact, exclusive frequency for every station (i.e., WPIX at EXACTLY 199.259637 MHz and NO other station at that same frequency), we'd really have something."

Next up, we have some comments from member Bill Fahber: "One member recently expressed hope that the popularized 'Jupiter Effect' would produce more auroral DXing, and perhaps others are looking forward to this event also. I mean no offense to that member, but a few points need to be mentioned about that theory. First, most scientists rejected the theory, equating it with Erich Von Daniken and Immanuel Velikovsky. Second, there will be no perfect alignment, as many were led to believe. In June 1982, all the planets except Venus will cover a 65 degree span as seen from the sun, but that's the closest there will be to any alignment. Third, the two scientists who dreamed up this cute doomsday theory have since then discarded it when their predictions of the earliest effects failed to occur. As of yet, I don't think they offered to refund any money to those who bought the books."

Rich Turcsany gives us some info on TV in his area: "WWAC-53(+) in Atlantic City is on. Station is an indie and also covers entertainment from the casinos, as well as other goings on in Atlantic City. Also on the air in South Jersey is WRBV-65(-) Vineland, with professional news coverage and STV from WHT (of WWHT fame). No sign of WCQR-50, WNUV-54, or WSTG-64 yet. Locally, WEDW-49 Bridgeport is operating at low power while they are installing a new transmitter and antenna. New ERP will be 2,000 kw."

Next month, we'll have comments by John Sulak and an opinion on the proposal to count call letter changes. See y'all next month....73.....jz



TV NEWS

Bill Fahber
336 Atlantic Street
Bridgeton, New Jersey, 08302

THE FCC'S BATTLE AGAINST THE UHF HANDICAP

Since the beginning of UHF television in the early fifties, there has been a persistent lack of acceptance by the general public which has come to be known as the "UHF HANDICAP." In the early sixties the FCC did a study to see if UHF signals could be received in dense urban areas and surrounding suburbs. After targeting the New York City area, the FCC came to the conclusion that UHF reception could be just as adequate as VHF, and yet UHF handicap persisted.

In 1978, Congress directed the FCC to see what could be done to improve UHF reception, and the "UHF Comparability Task Force" was established. Having studied the results of the New York project, the Task Force concluded that there's nothing wrong with the UHF stations: The signals are out there, but are not being received as well as they should.

THREE SOURCES OF UHF HANDICAP

The Task Force then called on the famous Louis Harris & Associates to do a survey on UHF-VHF reception. The survey uncovered not one, but three basic handicaps: programming, channel selection, and picture quality.

PROGRAMMING: Before UHF came into existence, the three major commercial networks had pretty good coverage across the nation on the VHF spectrum. With the advent of UHF, a few additional network affiliates were established in fringe areas that could not already receive the networks. Other UHF stations were built in urban areas where they could survive as independent stations. The Lou Harris poll discovered that in areas where UHF stations were affiliates of the major networks, there was no problem with UHF reception by the public.

CHANNEL SELECTION: Believe it or not, Americans are lazy. Networks are aware of this and often schedule their best rated programs early in the evening, knowing that viewers often just sit down and watch whatever comes on next. One station on a higher UHF channel went through the trouble of petitioning the FCC to assign a lower channel to the same city, so that it could change channels and move in closer to the other stations on the channel selector. It seemed that many viewers felt that the extra turn of the wrist was too much trouble to tune in the higher station. With these thoughts in mind, you can see the significance of the ease with which UHF stations can be tuned. In the Harris poll, 47% of those questioned felt that VHF tuning is easier than UHF, 33% felt no difference, and only 3% thought UHF was

easier to tune.

PICTURE QUALITY: The most significant finding of the Harris survey is in this area. In communities where VHF and UHF were both available, only 73% could receive UHF, and of that 73%, less than half could receive a decent picture, apparently a major contradiction to the results of the New York study. The conclusion of the Harris survey was this: the UHF handicap exists because "Members of the public have not installed adequate receiving antenna systems for good UHF reception."

SOLUTION TO THE UHF HANDICAP

In the past, UHF handicap had been fought by increasing the power of UHF stations and the sensitivity of television receivers. According to the Task Force, doubling the power of a broadcast station could cause a 3 dB improvement in signal strength, but by improving the receiving system a gain of 15 to 30 dB can be achieved.

In 1959, the Television Allocation Study Organization (TASO) developed a grading system to rate picture quality into six grades:

Excellent	41 dB or more
Fine	33 to 41 dB
Passable	28 to 33 dB
Marginal	23 to 28 dB
Inferior	17 to 23 dB
Unusable	less than 17 dB

a 6 dB gain in signal strength will raise the picture quality one TASO grade, approximately. Thus we can see the potential to be gained in picture quality by improving a poor antenna system.

The Task Force also studied a large amount of equipment already on the market, as well as review a study by Public Broadcasting Systems on some equipment. The July, 1981 issue of *Radio-Electronics* contained an article by Dennis C. Brown entitled "How to Improve UHF Reception," in which he reported on a study of performance of equipment on the market. The study was done for the FCC by Georgia Tech. The report deliberately omitted brand names, but Mr. Brown was able to get that information from the FCC Office of Plans and Policy because of the Freedom of Information Act. He cautions, however, that the purpose of the Georgia Tech study was to study various types of equipment, not to compare brand names, and that no efforts were made to determine if any of the samples they tested were superior or inferior to the average for that particular model. But the article does give excellent guidelines for assembling a top-rate UHF receiving system, and no doubt the results of the study are fairly reliable.

IMPROVEMENT OF SIGNAL RECEPTION

The Task Force report makes suggestions for improvement in three basic areas: Receiving antenna systems, the television receiver, and transmission systems.

RECEIVING ANTENNA SYSTEMS: The Task Force has come up with six distinct recommendations for improving UHF reception: (1) An outdoor antenna is more likely to provide better picture quality than an indoor antenna; (2) Separate UHF and VHF antennas can provide better performance than a combined UHF-VHF antenna; (3) Four-bay and eight-bay bowtie antennas provide good performance at low cost. (In fact, the Radio-Electronics article showed one particular model four-bay to be almost as good as the six-foot dish!) The two-bay bowtie is good for an indoor antenna. The bowties are exceptions to the concept that performance and cost are directly proportional; (4) Antennas should be installed after "probing" for the best receiving location, since signal strength can vary significantly over very short distances. (I would also like to mention here that there could be seasonal variations also; trees may cause no problems in the winter, but the leaves can drastically reduce signal strength in the summer); (5) Shielded cable (either coaxial or shielded twin-lead) is much better than conventional twin-lead. Baluns should be used when connected to the set; (6) Preamps will improve signal strength, but could also cause interference.

THE TELEVISION RECEIVER: The Task Force proposed new rules and amendments to existing rules to cover such aspects of the television receiver as weak signal performance, channel selection, all-channel requirements, and VHF-UHF equality regulations: (1) Weak Signal Performance: As UHF noise levels in a receiver are reduced, sensitivity to weak signals tends to increase. The average receiver previously had a 12 dB noise level, but newer receivers average 9 dB to meet tougher FCC standards. When stricter standards take effect in 1982, the noise levels should become less, and sensitivity should increase. But because noise level is not an accurate measure of weak-signal sensitivity, the Task Force recommends that a more reliable means of measurement be developed. Texas Instruments developed a receiver which was much more immune to "UHF taboo" interference (the type of interference described in the "New Kid in Town" article in the June, 1981 VUD, in the paragraph headed "minimum mileage separation"), but the noise levels were too high. RF Monolithics is continuing the project with a receiver designed with electronic tuning, resistance to interference, low noise figure, and good weak-signal performance. (2) Channel Selection: The Task Force made a few recommendations already, but is not yet ready for more comprehensive recommendations until more studies of existing appliances are completed. The Task Force suggests that channel readout on VHF and UHF be equally legible, and that the tuning

controls be comparable in size, location and accessibility. (3) All-Channel Requirements: The Task Force suggests that Manufacturers no longer be required to include channels 70-83, since no broadcast stations use these channels, and translators on these channels are gradually moving to ch. 69 or below. Then there's the new type of TV set every DX'er should be without: the set with twelve VHF buttons and six channel-preselected UHF buttons, or the set with twelve buttons set to preselected channels. Although such sets are a handicap in areas with seven or more UHF stations, the Task Force is as yet cautious to condemn such a setup, since it does offer equal UHF and VHF tuning ease. The matter is still under study. (4) Equality Regulations: Some regulations of this sort already exist. A set containing a built-in VHF antenna must also include a UHF antenna. Remote control sets must be geared for both VHF and UHF remote selection. But some sets were found to supply coaxial connectors for VHF but not for UHF, and some sets use coaxial or shielded cable for VHF inside the set, but not for UHF. The Task Force is not recommending that any particular type of cable or connector be used, but does think that whatever is used for VHF should also be used for UHF.

TRANSMISSION SYSTEMS: Many UHF stations operate well below maximum power (5000 kw, visual) simply because it's not economically feasible to increase their power. The Task Force is looking into improvements that will reduce transmitting costs and thus act as an incentive for broadcasters to increase power. PBS has been experimenting with a modulating anode pulser, which can improve transmitter efficiency. The Task Force has been looking into a multi-element depressed collector (MDC) which could triple the efficiency of existing transmitter tubes. Higher antenna towers could be a better alternative to higher power. Also considered by the Task Force is the possibility of relaxing the rule limiting aural power to within 10-20 % of the visual power. Some stations feel that they could be more effective with a weaker aural signal.

FINAL CONCLUSIONS

While many households don't consider UHF worth the trouble and expense, many others have equipped themselves with receiving systems far insufficient for good reception. The Task Force recommends a consumer information program which would aid the consumer in selecting the right equipment. Also, as additional program sources and higher quality programs become available to UHF stations, more households will become interested in receiving UHF.

But the Task Force brings up one final point which is really worth considering: UHF will never compare with VHF. Simple physics dictates that higher frequencies lose more because more power is required. UHF will never enjoy the mass appeal that VHF enjoys

without extensive government involvement in network activities and programming. But why should UHF be compared to VHF? VHF may have more mass appeal, but UHF has more potential for specialty groups, religious groups, ethnic groups, and minorities. UHF can put much more emphasis on local programming than VHF stations tied down to network affiliation. (WMAR, ch. 2 in Baltimore is doing this, but lost its contract with CBS as a result.)

UHF is growing and prospering. Applications for new UHF stations are steadily pouring into the FCC office, and perhaps the efforts of the UHF Comparability Task Force will have helped UHF along the way.

RESPONSES FROM QUESTION IN THE JULY COLUMN ABOUT VARIOUS TELEVISION STATIONS: KVFD-TV, ch. 50 in Fort Dodge, Iowa and WHFV, ch. 69 in Fredericksburg, Maryland have been off the air for years. WXNE, ch. 25 in Boston is still on; WNYE, ch. 25 is still on, but is off during the summer months. (responses were from Eric Fader, Robert Baker, R.J. O'Connor, Greg Monti, and A.P. Smith.) The next question is: Is WTHS, ch. 2 in Miami still on and sharing time with WPBT?

CORRECTIONS ON THE JULY '81 TRANSLATOR LIST: According to Robert Baker, the four Iowa translators listed on page 9 are not on yet. Tom Yingling caught one mistake on two Virginia translators; the following is correct: W65AR 100w WJHL 11 TN Dickensonville, Va. W65AQ 100w WVBC 13 VA Tangier, Va.

NEW STATIONS ON THE AIR: Leslie Price reports that WKFT, ch. 40 in Fayetteville, North Carolina, began broadcasting on June 1, 1981. WWAC-TV, ch. 53 in Atlantic City, NJ, began regular broadcasting on 7/29/81 at 7:00 p.m. after only two hours of test pattern.

NETWORK SWITCH IN BALTIMORE: WMAR, ch. 2 (ex-CBS) and WBAL, ch. 11 (ex-NBC) are scheduled to switch networks on August 30.

MARYLAND PUBLIC TELEVISION: I've wondered why WMPB-67 and WAPB-22 both include W62AY on their individual test patterns. According to Greg Monti, W62AY normally translates WAPB, but switches to WMPB whenever there is trouble with WAPB's signal.

TWO NEW STV STATIONS IN PHILA. AND VINELAND, NJ: Greg also corrects me on WWSG-TV, ch. 57 in Philadelphia, PA. Despite earlier plans, they are Selec-TV, not WHT. As for WRBV, WWHT, and WSNL, from my observations, none of them seem to run parallel; they may have the same schedule, but run ahead of each other by a few seconds to a few minutes. Naturally, W60AI runs parallel to WWHT since it is a translator. WWHT/W60AI is the only one of the three to have a Barker channel.

AUDIO CARRIER MULTIPLEXING: Effective 8/28, TV station licensees may communicate with Electronic News Gathering (ENG) crews using a subcarrier of the regular TV sound channel in response to a petition by Boston Broadcasters, Inc., licensees of WCVB-TV, ch. 5 in Boston. Previously, multiplexing of the aural carrier was strictly for transmitting telemetry and alerting signals from transmitter site to the control point of a TV broadcast station authorized to operate by

remote control. Public Broadcasting System (PBS) had been opposed to this because of its adverse effect on the prospects of Stereo and bilingual television.

HAWAII: RadioCall, Inc., a common carrier in Hawaii petitioned the FCC to reallocate 488 to 494 MHz (ch. 17) for fixed relay and control operations in that state. Although there are some UHF channels assigned to Hawaii, there is no channel 17 assignment.

SPECIAL FEATURE FOR NEXT MONTH: If this new television season is anything like the past few years, the most interesting thing to watch on TV will be the Vertical Blanking Interval. The VBI has been mentioned in this column on a few occasions in the past few months with articles on Teletext and Line-21 captioning. Next month FCC TV NEWS will feature the VBI, what it does, what those white lines are along its bottom half, and some of the proposed changes being discussed within the FCC. Also, a tip on how the VBI might be helpful in identifying a station.

A LITTLE BIT OF DALLAS IN TULSA, OKLAHOMA: I hadn't felt it newsworthy to report any proposed changes in the table of assignments because they take months or years before anything is done about them. But this report from Tulsa got me so steamed up I thought I'd bring it up. It's from the Federal Register, 8/12/81. The Oklahoma Educational Television Authority (OETA) applied to the FCC to change the noncommercial educational status in Tulsa from channel 11 to channel 2. OETA operates KOED-TV, ch. 11 in Tulsa and KOET, ch. 3 in Eufala, with basically the same programming. KJRH, an NBC affiliate, operates on ch. 2 in Tulsa. Presently, KJRH and KOET have been having trouble with adjacent channel interference. Residents between Tulsa and Eufala have installed traps to eliminate either of the stations. But KJRH recently applied to relocate its transmitter to a place 20 miles closer to Eufala. The OETA petition, which has the support of KJRH, will put KJRH on channel 11, and KOED-TV on ch. 3. Thus residents between KOED-TV and KOET can choose between the two, still having one of the OETA stations, and KJRH. KJRH also agreed to provide OETA with over one million dollars worth of equipment if the switch is accomplished. But Tulsa 23, permittee of KOKI-TV, ch. 23 in Tulsa (in my opinion the villain in the story) is in agreement with the change for other reasons. Tulsa 23, asserting use of a policy established by the FCC called the Cheyenne Policy because of a case involving an FM assignment in Cheyenne, Wyoming, insists that a commercial assignment on channel 11 will be a new assignment, thus open for competing applications. KJRH and Tulsa 23 would both have to compete for that VHF assignment. (Also, if Tulsa 23 is awarded the channel 11 assignment, KJRH could very easily lose its NBC affiliation to Tulsa 23.) Tulsa further says that even if OETA withdraws its application, the FCC should go ahead with the proposal anyway since it is in the public interest. (as if Tulsa 23 is really concerned about

the public interest!) Tulsa also offers OETA over a million dollars worth of equipment and services. The FCC feels obligated to consider changing channel 11 to a commercial assignment as creating a new VHF assignment, and says that anybody could then apply. The proposed change is still in the proposal stage, and the FCC opened the case to public response. I think if Tulsa 23 gets channel 11 they should use the call letters KJRE instead of KJRH; The E can stand for Ewing.

APPLICATIONS FOR CALL LETTERS-NEW STATIONS
ch C.L. City/state/applicant
29 WFBT-TV Minneapolis, MN; Faith Bc'g Net.
41 KXLI St. Cloud, MN; L.E.O. Broadc'g Inc
23 WXIA-TV Albany, NY; Albany TV-23, Inc.
62 WFCT Fayetteville, NC; Fayetteville-Cumberland Telecasters, Inc.

APPLICATIONS FOR CALL LETTERS-EXISTING STA.
41 KSHB-TV Kansas City, Missouri; KBMA-TV
4 WSMV Nashville, TN; WSM-TV
9 KECY-TV El Centro, CA; KECC-TV
13 WNYT Albany-Troy-Schenectady, NY; WAST

CALL LETTER GRANTS-NEW STATIONS
52 WTGL-TV Cocoa, FL; Good Life Broadcasting
44 WAFV Evansville, IN; Family TV, Inc.

CALL LETTER GRANTS-CHANGE IN EXISTING
42 KESQ-TV Palm Springs, CA; KESQ

ADDITIONAL APPLICATIONS FOR CALL LETTERS-NEW STATIONS
49 WQAP Saginaw, MI; Saginaw Communica'tns
54 WATX-TV Arecibo, PR; Arecibo Video Corp.

APPLICATIONS FOR NEW TELEVISION STATIONS
ch.ERP/vs HAAT city/state/applicant
62 834 2610 Riverside, CA; Bethel Bc'g
62 864 1632 "; Ettinger Broadc'g Corp
62 3630 2395 "; KIST Corporation
62 2344 2400 "; Riverside Family Telev. Inc
62 3890 2321 "; Riverside Telecasters, Inc
62 2366 2258 "; Sunland Communications Co.
62 4000 2388 "; United American Telecasters
62 3548 2389 "; Focus Broadc'g of Riversode
56 717.8 241 Melbourne, FL; Ellen Thiessen
32 19.67 151 Appleton, WI; Apogee, Inc.
54 1614 1236 Columbus, GA; Columbus Family Television, Inc.

32 2455 1020 New Orleans, LA; Educational Broadcasting Foundation
39 691.8 684 Parkersburg, W.V.; Parkersburg Family Television, Inc.
26 1694 837 New London, CT; CIV of Conn.
45 1122 209 Silceston, MD; Rob't Owens
35 759 460 Marshall, TX; Holt-Robinson
14 2570 1917 Honolulu, HI; Pacific Rim Broadcasting Company
49 5000 454 Racine, IL; Channel 49 of Rac.
54 27.54 186 Muskegon, MI; Apogee, Inc.
40 2950 2090 Jackson, MS; Big River Bc'g
40 2600 1161 "; Television Corp. of Miss.
24 26.3 146 Danville, VA; Apogee, Inc.
62 1388.8 1604 Riverside, CA; Channel 62 Limited Partnership
58 2388 -135 Sierra Vista, CA; Sierra Vista Television, Inc.

SUBSCRIPTION TELEVISION AUTHORIZED
22 Salem, Oregon; KECH
12 Pembina, ND; Satellite Television Serv'c
23 Minneapolis, MN; KIMA-TV

APPLICATIONS DISMISSED BY THE FCC
ch city/state/applicant
20 Sherman, TX; 20-20 Broadcasting Corp.
20 Tacoma, WA; Tacoma Community Television
16 North Little Rock, AR; Christian Center
34 Lubbock, TX; Robert M. Voelker
21 Mobile, AL; Alabama Orion
33 Springfield, MO; Christian Center of the Ozarks

49 Buffalo, NY; Channel 49 Buffalo Telev'n.
REQUESTS TO MODIFY CONSTRUCTION PERMITS
ch ERP HAAT city/state/ call letters
51 2450 1840 San Diego, CA; KUSI-TV (change transmitter location to 13 mi. east of San Diego)
17 1300 1081 Grand Rapids, MI; WHMA-TV
21 692 620 Reno, NV; KAME-TV
12 316 1076 Merriman, NE; KRNE-TV
26 316 1272 Knoxville, TN; WTVK (change to ch. 8, a recent VHF drop-in)

FCC GRANTS TO MODIFY CONSTRUCTION PERMITS
40 1542 ---- Fayetteville, NC; WKPT
35 2328 2414 Salinas, CA; KCBA
23 1510 ---- Minneapolis, MN; KIMA-TV

FACILITIES CHANGE APPLICATIONS
39 4508 1679 Dallas, TX; KXTX-TV
40 2113 994 Indianapolis, IN; WHMB-TV (TL to 7701 Walnut Drive, Ind'polis)
16 2600 1029 Joplin, MO; KTVJ
4 100 903 Columbus, OH; WCMH-TV (TL to 766 Twin Rivers Drive)
7 316 ---- Omaha, NE; KETV

FACILITIES CHANGES GRANTED BY THE FCC
44 1050 1420 Chicago, IL; WSNS-TV
8 ---- 2668 Medford, OR; KSYS (TL to 28 mi. northwest of Medford)
15 2500 ---- Hampton, VA; WHRO-TV (temporary reduction until 11/8/81)
28 813 ---- Los Angeles, CA; KCET
49 676 510 Muncie, IN; WIPB (began 7/9/81)
16 2000 980 Salisbury, MD; WBOC-TV (began 7/7/81, and a definite improvement seen from Bridgeton, NJ)
17 2240 1050 Nashville, TN; WZTV
9 316 ---- Odessa-Monahans, TX; KTPX (began 6/30/81)
26 5000 2000 Visalia-Fresno, CA; KMPH (TL 0.3 mi. NE of Generals Hwy and 4.0 mi SE of Wilsonia)
4 100 1342 Rock Island, IL; WHBF-TV (TL 5 miles E of Davenport, sharing tower with WOC-TV, ch. 6)

APPLICATIONS TO CHANGE CITY OF IDENTIFICATION
45 WJTM-TV (Winston-Salem, NC) to ID as Winston-Salem, Greensboro, High Point)
3 KCRA-TV (Sacramento, CA) to ID as Sacramento-Stockton
23 KVEO (Brownsville, TX) to ID as Brownsville-McAllen

ID CHANGES GRANTED BY THE FCC
48 WGGT (Greensboro, NC) now Greensboro-High Point- Winston-Salem
49 WGCB-TV (Red Lion, PA) now Red Lion-Lancaster-York

NETWORK CHANGE:
Effective 9/28/81, WRGB in Albany-Schenectady is CBS (This was NBC's first affiliate in the United States) WAST becomes NBC.

CONSTRUCTION PERMITS GRANTED BY THE FCC
ch ERP HAAT city/state/applicant
34 67.92 915 Lubbock, TX; Troy Raymond Moran
21 2937 1603 Mobile, AL; Mobile Pensacola Broadcasters, Inc.
33 579.4 1634 Springfield, MO; Springfield Family Television, Inc.
61 6.62 559 Greensboro, NC; Consolidated Broadcasting Corporation.
14 200 622 Suring, WI; Northeastern Wisconsin Christian Television
12 316 825 Pembina, ND; Satellite Television Service, Inc. (also got STV authorization)
29 1811 1190 Minneapolis-St. Paul, MN; New Faith Broadcasting Network Inc
38 30.64 1287 Scranton, PA; SWH Associates
20 2094 800 Tacoma, WA; Family Bc'g Co.

CHANGES IN TELEVISION TABLE OF ASSIGNMENTS
Owensboro, KY: delete 19; add 48z
Madisonville, KY: add 19-
Tullahoma, TN: add 64+
Lander, WY: Change 4z to *4z; add 5z (applied for by Central Wyoming College; the current application by Chrysothom Corp. for a commercial station on ch. 4 is modified to specify channel 5 instead.)

CUBAN TELEVISION STANDARDS:
Did I open my mouth too much when my last reception report mentioned that Cuba used a different system than North America? According to the World Radio TV Handbook, uses a Chinese system consisting of 625 line scan pictures, on an 8 MHz wide television channel, with some of the channels extending into most of our FM band. Also, their color is supposedly SECAM instead of NTSC. But I found out that the 1981 TV Factbook says that Cuba uses NTSC color, and makes no distinction between Cuba and North American channel spacings or frequencies. I found a British book on radio-electronics which says that Cuba uses SECAM, but does not mention what television system it uses. If you have information on Cuba's system, let me know. If I find anything during the next month, it will appear in next month's column.

MORE NOTES FROM MEMBERS:
Bill Draeb says that WQOW, ch. 18 in Eau Claire, Wisconsin is now on. Steve Sprachman clarifies on WNYE, ch. 25 in New York City: It still broadcasts on the evenings during the summer, but daytime instructional programs are broadcast only during schooltime.

HELP
FIGHT
MS



"I suppose pretty soon they're also going to be against E-skip!"

CONSOLIDATED HEARINGS
● Everett, Washington, channel 16; Unity Broadcasting Company of Washington State, Inc.; Greater Everett Telecasters; Channel 16, Inc.; Oak Television of Everett (which plans to be STV).
● Reno, Nevada, channel 27; Family Stations, Inc.; High Country Broadcasting, Inc.
● Hartford, Connecticut, channel 61; Golden West Broadcasters (which plans STV); Arch Communications Corp.; Greater Hartford County Telecasting Corp. (which plans STV); Hartford Television, Inc.; Community Television of Connecticut (which proposes Middletown, CT as city of license).
● Applications for changes in facilities by WHNS, channel 21 in Asheville, NC and WGGG-TV, channel 16 in Greenville, SC. The two stations both propose relocating their transmitters to within 5 miles of one another but minimum separation is 20 miles. The application by WGGG-TV was previously dismissed, but WGGG-TV had since applied for a review of the FCC's decision.

RESULTS OF CONSOLIDATED HEARINGS:
● Tacoma, Washington: FCC Granted application by Family Broadcasting Co. for ch. 20 and dismissed application by Tacoma Community Television and Tacoma School District #10.
● Lubbock, Texas, ch. 34. FCC granted application by Troy Raymond Moran and dismissed application by Robert M. Voelker.
● Mobile, Alabama, ch. 21: Alabama Orion withdrew its application; Providence Journal Broadcasting Corporation modified its application to specify applicant as Mobile-Pensacola Broadcasters, Inc.

SUGGESTION BY BRUCE ELVING: He recommended that I suggest the Public Library for anyone who would like to look at the Code of Federal Regulations which I mentioned a few months ago. Ask if the local library is a Federal Depository, or if they know where the nearest Federal Depository is to you. I would also like to mention that a library is a tremendous resource for the DX'er. Phone directories can give addresses of stations for you to send your reception reports and can also help you locate some of your UNID's (if you see a commercial for a local business, check the phone books of a few possible cities where the station could be licensed, and see if that sponsor is listed there.) Local libraries here give me access to the Federal Register, Broadcasting magazine, TV Factbook & TV Digest, Broadcasting-Cable Yearbook, Advertising Age, and much more. Can you imagine how much that would cost me? And it's all for free!

NEXT MONTH IN FCC TV NEWS:
* Update on translator licenses and permits
* Report on what's happening to the vertical blanking interval
* Technical standards for LPTV: The FCC came up with a proposed set of separation standards for proposed low power television stations which is somewhat inferior to the present case-by-case system. Taken into account is non-standard offset frequencies and the receiving antenna's front-back ratio. Details on that next month.

SOUTHERN FM DX

OCTOBER 1981

For FM DX reporters from: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, MS, NC, NM, NV, OK, SC, TN, TX, UT, VA AND WV.

SOME GOOD TROP RETURNS, WHILE ES SEASON CONCLUDES POORLY

While not widespread, trop activity was the main highlight for August and early Sept. A 3 day opening got underway on Aug. 19th when a cool High ridge extending from the upper Midwest near Canada to the Oklahoma area stagnated. Distances logged ranged out to near 800 miles as noted by your editor. On Sept. 2 much the same situation repeated itself but only lasting for one evening. Unfortunately, only your editor was lucky enough to be on the receiving end of all that trop in the FM South. If you can dispute that statement, why not report your DX?

The last part of the Es season turned out uneventful. Nearly all the openings were quite weak, though one reporter didn't have it so bad Aug. 6th. Meanwhile ms DXing picked up for some reporters as the Persiads meteors seemed more productive than in recent years.

Charles George, 6407 Howard, Dallas, TX 75227 - July

7/23 tr 7/24 Es
0700 KQXY 94.1 TX Beaumont, NBC nx, m 1000 KEYA 88.5 ND Belcourt, k, NPR promos
"The beautiful Q" tr-1030 KBEZ? 92.9 OK Tulsa, m, talk of Tulsa

Rick Samford, 404 S. McNeill, Burnet, TX 78611 - Aug. 7 to Sept. 7 CDT

8/8 Es
1034 XHZM 92.5 PUE Puebla, SS ID, Stereo Rey
1058 ???? 88.1 Radio VIP, new Mexican station?
8/16 tr
2252 KHCS 88.1 TX Round Rock, new, mono, gr, TX #220

9/7 line-of-sight

0955 KMFB 107.1 TX Burnet, ex-KHLB-FM, now auto rm, still Mutual nx

Hank Holbrook, 7211 Chestnut St., Chevy Chase, MD 20815

DXpedition #3 for the '81 season, with Super Toyota FM rx and vertical antenna

(1) Keyes Gap, WV Route 9 between Hillsboro, VA and Charles Town, WV, Scenic Overlook
Logged for the first time.

7/31 7/31 tr ex-WAJR 120
1005 WKSU 89.7 OH Kent, c, nice signal 0935 WVAQ 101.9 WV Morgantown, nx, Mary Ann
WKSU Morning Edition program 235 in the morn. Nil to mod. QRM WLIF Baltimore
0857 WWZE 101.7 PA Central City, nx, wx and 1208 WHPA 104.9 PA Holidaysburg, wx, nx, Bus.
rock fairly good to good. 95 report. Refer to me as the "Friend of the
Broadcasters." Their most distant report.
122 watts. Weak to fair. 95

(2) Sugar Loaf Mountain - SE of Frederick MD:

7/31 7/31
1425 WLCC 106.3 VA Luray, rock, good 75

Also noted at Sugar Loaf was a good signal from WKGO Cumberland, MD, but when I tuned to 102.9 looking for "Big Jesse" WJSE, the channel was blank and later when a weak signal did come thru there it turned out to be "Wowie" WONI in Norfolk, VA.

Also took a two week vacation at our Fair Haven, MD cottage but only noted one 'new' logging, a call change. Equip.: Scott 310E FM tuner with Finco 10 element yagi. Rotor not working antenna pointed NE. Hope to make one more trip to Keyes Gap sometime in the Fall.

1523 WNBR 100.7 NJ Wildwood, little to heavy QRM WHUD with no sign of WTR! ex-WCMC. 95

George Rogers, 320 Lafayette Rd., Chickamauga, GA 30707 - July 27 to Aug. 27

Equip.: General Electric Superadio Model NO. 7-2880 B. All times EDT.

7/27 tr 7/27 tr
0935 WRQR 98.7 NC Greensboro, wx 1010 WDDM 101.3 SC Sumter, sr
0945 WCPC 93.3 MS Houston, AP sports 1015 WMC 99.7 TN Memphis, ad
0950 WAFM 95.3 MS Amory, ad 1045 WCOS 97.9 SC Columbia, k
0955 WKRC 95.7 NC Hickory, ad 7/29 tr
1000 WEZI 105.9 TN Memphis, wx 1720 WAMZ 97.5 KY Louisville, k

cont.

Danny Buntin
1312 N. Skyline
Stillwater, OK 74074
DEADLINE: 10th

SOUTHERN FM DX

7/29 tr
1722 WKQQ 98.1 KY Lexington, r
1725 WKJJ 99.7 KY Louisville, aor
1840 WMC 99.7 TN Memphis, ad

7/30 tr
0850 WTYX 94.7 MS Jackson, r
0850 WLIN 95.5 MS Jackson, m
0900 WQMV 98.7 MS Vicksburg, r
0995 WJMI 99.7 MS Jackson, s
0905 KSSN 95.7 AR Little Rock, k
1005 WRJH 97.7 MS Brandon, g
1010 KLUP 97.9 OK Poteau, g
1035 WSJC 107.5 MS Magee, k
1040 KNOE 101.9 LA Monroe, ad
1140 WALT 97.1 MS Meridian, m
1145 WBAQ 97.9 MS Greenville, m

7/31 tr
0935 WXBQ 102.7 FL Milton, ads
0945 WZQZ 102.9 MS Jackson, k
1055 KTIZ 96.9 LA Alexandria, Coors ad

8/3 tr
1010 WMC 99.7 TN Memphis, r
1100 WSTO 96.1 KY Owensboro, ad
ms:
1210 KRQB 99.9 TX Robstown, ad
(previous Es)
1230 WAMZ 97.5 KY Louisville, farm nx
Es:
2035 GBF6 93.7 PQ Lac Megantic, FF, m
2038 CFCQ 93.9 PQ Trois Rivières, c
2150 CBJ3 93.1 PQ Dolbeau, FF talk

8/4 tr
1105 WRES 105.7 AL Troy, k
1110 WVOC 102.9 GA Columbus, mr
8/5 tr
0910 WTVY 95.5 AL Dothan, k
1130 WBEZ 100.1 AL Phenix City, r
1235 WHKW 98.1 AL Fayetteville, r
2002 WCOS 97.9 SC Columbia, ABC nx

8/6 Es
1745 WSNE 93.3 MA Taunton, sports
2105 WMGX 93.1 ME Portland, ad
2220 GBF6 93.7 PQ Lac Megantic, c
2227 CFMO 93.9 ON Ottawa, m
2230 GBF3 93.1 PQ Dolbeau
2230 WCGY 93.7 MA Lawrence, 60s rock
2245 CBV 95.3 PQ Quebec City, c
2248 CJMF 93.3 PQ Quebec City, FF, m
2250 CHOI 98.1 PQ Quebec City, FF, ad
2251 GBF8 100.1 PQ Trois Rivières, c
2252 GBVE 104.7 PQ Quebec City, j
2253 GBF1 104.3 PQ Drummondville, j
2254 CHOM 97.7 PQ Montreal, r
2257 WNAS 94.7 MA Springfield, ad
2258 WLWH 93.7 CT Hartford, S L
2259 WKSS 95.7 CT Hartford, nx
2300 WJUL 91.5 MA Lowell, j
2300 CBSI19 91.7 PQ Old Fort Bay, FF, ID
2302 CBN17 95.1 ON North Bay, FF, nx

8/7 Es
0807 KSDZ 95.5 NE Gordon, in again at 1215
tr
1010 WFEG 97.9 NC Concord, ad
1205 WBEO 93.3 NC Forest City, k
Es
1210 KQUY 95.5 MT Butte, 50s rock, B. Holly
tr.....

Rogers, cont.

OCTOBER 1981

8/7 tr
1215 WROQ 95.1 NC Charlotte, ad
1215 WCOS 97.9 SC Columbia, k
Es
1230 KKHJ 93.9 SD Rapid City, m
1237 KNEB 94.1 NE Scottsbluff, P. Harvey nx
1239 KRCS 93.9 SD Sturgis, k
1750 JBC2 103.9 JAM Mandeville, Red Stripe
Beer ad

8/8 Es
1455 KOB 93.3 NM Albuquerque, r
2250 KRCS 93.1 SD Sturgis, k
2255 KWYR 93.7 SD Winner, BB
2300 KKRZ 93.5 SD Sioux Falls, Mutual nx

8/10 tr
0920 WYSH 104.9 TN Clinton, k
1025 WRES 105.7 AL Troy, wx
8/11 ms
0915 WUGN 99.7 MI Midland, g
0950 WXXW 104.1 PA Allentown, nx
1215 CJQR 97.7 ON St. Catherines, markets
1355 KZZB 95.1 TX Beaumont, ID

8/12 ms
0103 KNCO 105.5 IA Harlan, nx
0115 KOAX 105.3 TX Dallas, m
1447 WDSB 94.7 DE Dover, k, state #43
2031 WVSC 97.7 PA Somerset, Pirates BB

8/13 ms
0030 KEZS 105.5 KS Liberal, ABC nx, weak
1320 CFCB 98.9 NB Saint John, m
tr
2310 WRIX 103.1 SC Honea Path, Braves BB
2320 WZZW 103.1 GA Augusta, r
2325 WVOC 102.9 GA Columbus, Pabst ad

8/14 tr
1050 WRQR 98.7 NC Greensboro, ad
1115 WITZ 104.7 IN Jasper
1205 WKQQ 98.1 KY Lexington, r
2227 WLHN 97.9 IN Anderson, ad
2233 WAMZ 97.5 KY Louisville, k
2300 WPPR 102.7 IN Terre Haute, pr
2330 WSTO 96.1 KY Owensboro, ad

8/15 tr
0830 WNES 101.9 KY Central City, wx
1050 WALT 97.1 MS Meridian, g
1055 WROQ 95.1 NC Charlotte, r
1058 WCOS 97.9 SC Columbia, sports

8/17 tr
0945 WDDJ 96.9 KY Paducah, r
1040 WQMF 95.7 IN Jeffersonville, ad
1200 WDEB 103.9 TN Jamestown, mr, very rare
8/19 tr
1000 WRVR 104.5 TN Memphis, nx
ms
1800 WFFX 101.3 MI Grand Rapids, local psa

8/24 tr
1015 WXIK 96.1 NC Shelby, r
1045 WBFM 98.1 SC Seneca, g
1220 WSTO 96.1 KY Owensboro, mr
1320 WKQQ 98.1 KY Lexington, r

8/26 tr
1045 WETS 89.5 TN Johnson City, nx, WDYN off
1100 WTSU 89.9 AL Troy, m
1145 WGSU 89.7 OH Columbus, c (#1656)
8/27 tr
0755 WTVY 95.5 AL Dothan, CBS sports, cont.

As you can see the Tropo season here is off to a good start with good openings to Oklahoma and Indiana. I'm hoping for 750 to 1000 mile tropo openings this Fall. I would like to have some bumper stickers from the various FM stations around the country. Please send them to me, if any WTFDA members can find them.

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74074 - Aug. 12 to Sept. 11 CDT			
Equip: Pioneer TX-9100 tuner, Antennacraft GFM-10 at 30 ft. with rotor.			
8/12 ms			
0300 WRYL	88.3 VA Lynchburg, ID	1000	
tr			
0306 WVUB	91.1 IN Vincennes, ID	515	
0325 KWPM	93.9 MO West Plains, ad	295	
ms			
0345 WAMU	88.5 DC Washington, ID	1130	
(This ms was a long one, lasting about 70 seconds during which time nearly all the talk heard was coherent.)			
tr			410
0358 KBZK	102.5 MO St. Louis, ID, m,nx		
8/13 Es			1150
2106 KYSS	94.9 MT Missoula, wx, I nx		
8/19-20 tr			520
2100 KUNI	90.9 IA Cedar Falls, ID, good \$		
2132 KFMW	107.9 IA Waterloo, ID, \$		515
2200 WHLA	90.3 WI La Crosse, ID		625
2240 KKKZ	107.5 LA Ruston		360
2244 KBIA	91.3 MO Columbia, nx		330
2350 KUSD	89.7 SD Vermillion, ID		470
0000 KBBC	88.3 IA Waterloo, s/off		515
(This one only has a 35' tower!)			
0001 KCKK	88.3 IA Cedar Rapids, ID		500
0030 KSUI	91.7 IA Iowa City, ID		495
0056 KRSW	91.7 MN Worthington-Marshall, s/off, new trop state		560
8/20-21 tr			
2112 KYSM	103.5 MN Mankato, ID, k		590
2144 KMTI	94.5 WI Milwaukee, r, "KTI"		690
2206 KTCR	97.1 MN Minneapolis, k, ID		655
2210 KCLD	104.7 MN St. Cloud, ID		685
2216 KMG0	98.7 IA Centerville		400
2231 KRNQ	102.5 IA Des Moines, "Q-102"		
2235 KLYF	100.3 IA Des Moines		430
2300 WYEN	106.7 IL Des Plaines, ID, nx 645		
2305 KOEL	92.3 IA Oelwein, ID		540
2325 KMXR	97.5 MN Rochester, ID		615
2329 KGBI	100.7 NE Omaha, g		375
On Aug. 18-19, a popular weatherman in Tulsa (on TV-2) made casual mention of haze, temperature inversions and light winds. That alerted me for a possible tropo outbreak. It sure enough happened as I logged my first tropo ever from MN. Beforehand, only had three Es loggings from that state. '81 is 2nd best yr. for tr here.			
I never received any verification on the power of my Z "ten watters" from NV. For a follow-up I sent a tape to KCEP Las Vegas over a month ago. Efforts to query the station by phone failed because it isn't listed. I'd really like to hear from KCEP since the June FCC FM listed a power increase for that station. I could find no record for a power increase for the other NV "ten watter" I received.			
-TN			
Corrections for my August report concerning June 18 tropo should be: WBCY should not be underlined (not new), freq. for WOOS should be 106.9, WYSU should be WYSO and last logging should have read: 0330 WBBY 103.9 OH Westerville 820. WBBY verified while the first listed WDJX Xenia, OH never answered. My thanks go to John Zondlo for putting on an excellent convention and the weather for cooperating well. Until next month, 73.			
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NORTHERN FM-DX

OCTOBER 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.

With a twelve page column last month, I didn't have the space or take the time to say congratulations to David Nieman of Akron, New York for logging Puerto Rico, Bermuda, and Calgary, Alberta. So here it is - congratulations! Dave phoned me on September 5th and we had a nice visit. He played some of his taped DX over the phone which was very interesting to listen to.

Your editor had only one bit of good luck this past summer. I was planning to write my 1000th station heard and was hoping it would be something interesting. On July 24th, station 1000 was heard on 88.1 MHz via skip. A local news broadcast was taped in which KPCW and Park City, Utah was frequently mentioned. The only listing for KPCW is 91.9 MHz, so I wrote this station to ask if a frequency change had occurred. A reply from the chief engineer of KPCW states, "No, you are not going nuts. The signal you received was that of our translator on Lewis Peak, Summit County. The translator operates on an assigned frequency of 88.1 MHz with a power output of ten watts. Lewis Peak is located ten miles SSW of Coalville, Utah and fifteen miles north of Park City." This is the first 10 watter heard via skip, as well as the first translator station logged.

Most DXers found the summer of 1981 to be quite good regarding skip, although a few would disagree. However, tropo was far below normal here in the north. Once again, congratulations to those who did increase their logs by hearing long range DX.

THE CANADIANS HAVE RETURNED!

Saul Chernos - e/o P.O. - Burnt River, ON KOM-100

6/13 tr					
0526 WJHL	98.9 MI Petoskey, "JML"	325	6/16 Au		
0530 WJEM	106.7 MI Gaylord, prev. Au "Wars-107"	315	2021 WNIC	100.3 MI Dearborn	295
			2030 WNUZ	103.5 MI Detroit	290
			6/17 tr		
0706 CBT?	89.5 ON Sault Ste. Marie, "CBC Radio," English, calls?	325	1821 WQZY	95.5 MI Detroit	290
0730 CJKM	104.3 ON Sault Ste. Marie, Had some CBC stuff. Why?	325	6/18 Es	(99.5 MUF)	
1922 WAER	88.3 NY Syracuse	175	1720 WJNZ	94.9 FL Miami Beach, "I-95"	1370
1950 WMLX	106.9 NY Auburn, "Relax"	160	1725 WCNQ	92.1 FL Hialeah, SS	1370
6/14 tr			1728 WATG	90.3 FL Fort Lauderdale	1345
1841 WLMX	99.5 MI Sault Ste. Marie	325	1835 WNCU	89.7 FL Miami	1370
1850 CBOU	104.9 ON Gogama, French, CBC Radio, //860 AM	260	2032 WQNF	88.5 FL Tampa	1215
			2035 WQYK	99.5 FL St. Petersburg	1235
			6/18 tr		
1852 WNIC	100.3 MI Dearborn	295	1930 WVPM	90.9 WV Morgantown,	365
1854 WGLL	98.5 OH Cleveland	285	Es down to TV 6. Thought this was Es.		
1856 WMCW	104.3 MI Detroit	290	1942 WQMF	96.5 NY Rochester, rare here	105
1902 WMEF	101.1 MI Detroit	290	all Rochester very clear.		
1906 WREN	92.3 PA Warren, "\$-92"	210	2135 WNKY	90.3 KY Morehead, during Es	525
1910 WTLB	107.3 NY Utica, "Rock-107"	215	*****		
1930 WKPM	104.7 NY Fulton, "KFM"	150	WYSU		
1939 WZPR	100.3 PA Meadville	215	*****		
1949 WDTR	90.9 MI Detroit	290	2300 WYSU	88.5 OH Youngstown	270
1953 WGER	102.5 MI Bay City	275	6/19 tr		
2039 CBEK	92.9 ON Kingston, CBC \$	120	0001 WDUQ	90.5 PA Pittsburgh	300
2058 WKSU	89.7 OH Kent	280	0105 WENB	89.9 PA Erie, s/off	190
2059 WQHC	90.1 NY Greece	110	0208 WEGG	101.7 NY Geneva, "Q-102"	150
2104 WKAR	90.5 MI East Lansing	330	6/21 Es	(92.5 MUF)	
2108 WYPM	102.9 PA Sharon-Youngstown OH	290	1740 WNYO	92.1 OH Broken Arrow,	1120
			"Cameo-92"		
6/15 tr					
0500 WJEN	92.1 NY Baldwinsville	155			
0530 WJEN	99.7 MI Midland, Stn. # 300	300			
6/16 Au					
2000 WLYP	92.3 OH Cleveland Heights	285			

8/3 Es to Orlando: Heard in car, two miles from Cottage. called collect; they were fund raising. Told em I support Buffalo PR.

8/3 Es
2318 unID 94.5 ?? "Q-94," ad: lowcost automatic transmission

8/4 ??
2347 unID 103.5 ?? MS? French

8/6 Es
1833 WJCT 89.9 FL Jacksonville, "#-90"
1845 WCKK 95.7 FL Clearwater, "96-Kicks"
1848 W??? 92.7 FL ?
1850 WMNF 88.5 FL Tampa
1855 WQYK 99.5 FL St. Petersburg
1856 WQXM 97.9 FL Clearwater

Some great Es openings here...but most stayed around TV-4. Four hit 107.9. Our postal strike - 39 days - is the cause for my reporting all this at once. The MS was nice. On 8/9 at 0013 I got what could be loosely called a burst. It was not Es. Nor was it tr or Au. Just one short 1'11 13 minute MS "burst" featuring many ID's, k, (many songs), and a whole weather report from KBUF 97.3 Garden City, KS. I had them on 8/8 at 2342 also, on another burst prior to this "bonanza." This has got to be a record! A bit of Au and a few tr over 500 miles. I'll probably miss Sept. as I'll be settling in at DX QTH #3...Ottawa. My address will remain Toronto unless I state otherwise. I'll be at Carleton Univ., (home of 93.1 CKCU!). May we all get Es so strong they short-cut our toasters.

+++++

Morris Sorensen - 53 Duncan Avenue - Kirkland Lake, ON P2N 1X9

Kirkland Lake, ON (365 hwy. mi. N of Toronto), has been my home QTH for most of the summer, but I also logged some DX from other locations while travelling to the ANARC convention in Thunder Bay. Equipment: Panasonic RF-2900 and Panasonic RF-1148 (Kirkland Lake). Realistic Portavision 12-669 (other locations). All with "whip" antenna.

7/5 tr (from Kirkland Lake)
1028 CHAY 93.1 ON Barrie
1042 CJMX 105.3 ON Sudbury
7/5 Es
1855 WGBB 97.7 SC Georgetown, "98-Rock"
1930 WABB 97.5 AL Mobile
1935 WIZD 98.7 FL Ft. Pierce
1945 WCKS 101.1 FL Cocoa Beach, "CK-101"
1950 WQXQ 101.9 FL Daytona Beach, "Q-102"
2101 WNTM 93.9 GA Moultrie, "FM-94"
7/12 tr (from Wawa, ON)
1915 WJPD 92.3 MI Ishpeming, "American Country-92"
1929 WHWL 95.7 MI Marquette
7/13 tr
2050 WNMU 90.1 MI Marquette
7/14 Es (from edge of Pays Plat Indian Reserve west of Rossport, ON)
2205 WQST 92.5 MS Forest (All times EDT)

I had an enjoyable time at ANARC. Most of the people in attendance were SWlers, but I did have a brief chat with FM "DX-Pert" Bruce Elving. On my return trip, I visited Duluth and travelled the south shore of Lake Superior to Sault Ste. Marie. 73, Morris

+++++

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

Not much DX to report. All DX from Prosit, MN location, with a Heath AJ-15 and a 5 element antenna. Sure was a rotten month for Es compared to some other August's.

8/8 Es (104.1 MUF, but no more ID's)
0940 WQST 92.5 MS Forrest, k
0945 WQUE 93.3 LA New Orleans, r, music on SCA

8/10 tr
1900 KGMK 93.3 IA Des Moines
1930 KATL 101.5 IA Storm Lake
Regards, John

+++++

Robert S. Ross - VE3JFC - Box 4373, Stn. C - London, ON N5W5J2

Equipment: Marantz 2226 w/Beam Yagi at 130 ft.

5/31 tr 0000 WKSU 89.7 OH Kent 130
0004 WLTV 99.9 PA Erie 80
0006 WQXL 105.1 OH Salem 150
0320 CING 107.9 ON Burlington 80
0352 CFNY 102.1 ON Brampton 110
6/4 tr 0319 WSEG 102.3 PA McKean 100
0325 WZPR 100.3 PA Meadville 115
6/18 tr 0710 WVNO 106.1 OH Mansfield 175
0715 WREO 97.1 OH Ashtabula 90
1223 WAUP 88.1 OH Akron
6/26 tr 1229 WYSU 88.5 OH Youngstown

7/7 tr 0359 WYDD 104.7 PA Pittsburgh 180
0403 WZIR 98.5 NY Niagara Falls 125
0404 WDSY 107.9 PA Pittsburgh 180
0407 WDBN 94.9 ON Medina 125
0408 WBLK 93.7 NY DePew 170
0415 WHFM 98.9 NY Rochester 180
0419 WIOF 104.7 OH Toledo 150
0425 CING 107.9 ON Burlington 80
1800 WBIV 107.7 NY Wethersfield
8/27 tr 0138 WAUP 88.1 OH Akron 130
(Total: 196 heard; 119 verified)

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Dr. Bruce F. Elving - 4515 Avenue "E" - Kearney, NE 68847

Much more skip to report since my last report, including the biggest-ever siege of California, lasting after 0240. Brief skip 6/18 1645 CDT (EST) gave WEMU *89.1 from Ypsilanti MI pleading with the public for funding help in view of MI's budget reductions; June 21: WWBD-FM Bamberg SC 1500, WAGG *90.7 Augusta GA 1505; WKWQ 103.1 Batesburg SC 1507; WNCN-FM 107.7 Greenville NC with Muzak SGA at 1602; WRVL *88.3 Lynchburg VA 1611, mentioning being a new station on the air; WBAG 93.9 Burlington NC 1615; WEA *88.9 Baltimore 1700. Northwestern skip took place 6/23 with KING-FM, "Classical King," giving its legal ID at 0900; and non-skip KYNR 99.9 Pueblo CO at 1000, solving the mystery of which easy-listening station calling itself FM-100 I could occasionally hear on that frequency. As we were about to go to bed 6/24 I noticed interference on the clock radio Carol was using, so I slid over to the Fisher, and latched onto KRSE 98.3 Yakima at 2317; KNBQ 97.3 Tacoma at 2329, KOLU *90.1 Pasco WA 2331; KAST-FM 92.9 Astoria OR in full stereo at 2336; KHPE 107.9 Albany OR 2339, and KMJK Lake Oswego OR at 2341. On 6/25 I picked up: WAKG 103.3 Danville VA at 1245; WVLC-FM 92.9 Lexington KY at 1248; WOWI 102.9 Norfolk at 1305; KNAK 97.9 Fresno CA at 1345; WIAA *88.3 Interlochen MI at 1530; KSDM 94.3 International Falls, for my first MN skip, at 1600. CFLY 98.3 Kingston ON with full ID at 1700; WRSU *88.7 New Brunswick NJ at 2105 mentioning being back on the air after technical difficulties, and wondering if still getting out; WBYO 107.5 at 2112; WGRH 94.5 Trenton NJ at 2115. June 26: CKRL-FM *89.1 Quebec in French with full ID and calls heard several times on my tape at 0800; WBJC *91.5 Baltimore MD 1212; WBCV 92.1 Mercersburg PA 1215; WDBN 94.9 Medina OH at 1220 and WELS 107.5 New York at 1230. Tropo gave, on 7/1, WJMC-FM 96.3 Rice Lake WI 0816; WGRG 105.1 Duluth MN 0830; KBEM *88.5 Minneapolis MN 0900; WHWC *88.3 Menomonie WI 1030; WESA *89.9 Brule WI 1100; WERM *90.9 Wausau WI 2300; WIFC 95.5 Wausau WI at 2301. Skip July 4: WJCT-FM *89.9 Jacksonville FL at 1000. July 5: WLRH *89.3 Huntsville AL 1800; WDMG-FM Douglas GA 1803; KQKI 95.3 Bayou Vista LA 1900; WWOZ *90.7 New Orleans without stereo 1905; WWNO *89.9 New Orleans 1926; KTRU *91.7 Houston 1945; WMOT *89.5 Murfreesboro TN 2000. On 7/8: WKYD-FM 98.1 Andalusia AL at 2105; WABB-FM 97.5 Mobile 2122; WUSF *89.7 Tampa 2130; KENW-FM *89.5 Portales NM 2154; KCBI *89.3 Dallas (weak--sounded like tropo, with no other Dallas reception at the time), 2300; KUNR *88.7 Reno NV 2354; KRFD 99.9 Marysville CA 2359.

This session lasted into the wee hours of the next day, July 9, for the best, and virtually only long period of skip I have ever experienced after sundown. I went to bed before it was over, with CA stations in full refuelling. At 0000 KNEV 95.5 Reno; at 0001 KSRN 104.5 Reno; 0005 KPDJ Eureka with "X" SCA; 0012 KPAY-FM 95.1 Chico CA; then KABL-FM 98.1 San Francisco at 0026; KOIT 96.5 San Francisco after the sign off of near-by KRGI-FM Grand Island NE at 0030; KBRG 105.3 San Francisco, ethnic, with English ID at 0034; KKBC now country Carson City 97.3 at 0045; KOSO 93.1 Patterson CA at 0059, with KRVN-FM Lexington NE off the air; KZOO 93.3 San Luis Obispo CA with legal ID at 0100; KNPX 98.9 San Francisco at 0130 with local off; KUOP *91.3 Stockton at 0135 with local off; KPFA *94.1 Berkeley at 0137 (earlier in the night heard its new SCA talking book service); KQKK 96.7 Manteca CA at 0156; KCSM *91.1 San Mateo CA at 0203; KWOD 106.5 Sacramento at 0230 and, getting tired, I called it quits with the 0240 logging of KUIC Vacaville CA on 95.3. July 10 skip gave WBBC-FM 94.1 Canton OH 1015; WDJQ 92.5 at 1030 with "X" SCA; WNRN 92.1 Bellevue OH 1035. Tropo July 12: KIWI 105.3 Dubuque 0830; KNOD 105.5 Harlan IA 0833; KBEG *88.1 stereo Waterloo 0857; KCNB 105.7 Waterloo 0859; KKEK *89.5 Cedar Falls at 0900; KTLB 105.5 Twin Lakes IA 0930.

Meteor scatter 8/12 at 0834 gave WBES 96.1 Charleston SC with full ID. Tropo KADI-FM 96.3 St. Louis 0830; WAAG 94.9 Galesburg IL 0859. On 8/17 WKYU *88.9 Bowling Green KY (tropo) at 0830. KUMR *88.5 Rolla MO 8/20 at 1015, and on 8/21 I picked up WRLO

- Continued -

DX this month consisted mostly of tropo openings, although I did notice many MS bursts during the Perseid meteor showers. The bursts became longer and more frequent as the peak approached, but I was only able to identify WYYD-96.1 Raleigh, NC, whose burst lasted just long enough for them to ID.

I'm not including relogs of many stations in the 150-200 mile range, since I'm discovering that these stations come in on a regular basis. These stations are mostly 100 KW'ers from Northern IA, central and W. WI, and from all over MN.

There was excellent tropo in the period between 8/20 & 8/24, especially on the evening of 8/20. I never thought 550-mile tropo could be logged with a simple whip antenna! I called the DJ at KKRD in Wichita (the 550 mile catch), and he was shocked. After the next song he mentioned that he'd received a call from a listener in the St. Paul-Minneapolis area. Also, on 8/31 KSTP-FM went off the air, enabling me to log WKTI-94.5 Milwaukee, which now makes 3 former local stations I have received from my new home.

I'm visiting my parents this Labor Day weekend and have tried DX'ing here, but haven't seen or heard much DX except for a decent opening into central IN on Saturday afternoon. Until next time.

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Fred McCormack - 135 Prairiewood Drive - Fargo, ND 58103
Equipment: Heath AJ-1600, Winegard CH-7078

8/8 Es		8/15 tr	
2201 WDEF	92.3 TN Chattanooga, "FM-92"	1010	2121 KLIK 103.7 IA Davenport, "Kick" 480
2205 WJCL	96.5 GA Savannah, MoR	1315	2138 KEZO 92.3 NE Omaha, "Z-92" 390
2218 WMYU	102.1 TN Sevierville, "U-102"	1020	2142 KBRX 102.9 NE O'Neill 320
2222 WKJS	92.7 TN Harriman	985	2200 KGBI 100.7 NE Omaha 390
2228 WKOS	96.3 TN Murfreesboro	930	2201 KFRX 102.7 NE Lincoln
2235 WQXI	94.1 GA Smyrna, "94-Q"	1105	8/20 tr
2242 WPEZ	107.9 GA Macon, "Easy-108"	1190	2230 KNXR 97.5 MN Rochester, MoR 285
2248 WCHY	94.1 GA Savannah	1315	8/28 tr
2258 WQNE?	98.3 ?? (Does anyone recognize?)	2117	KCND 90.5 ND Bismarck, new on air 190
2259 WBLE	101.5 GA Marietta, k	1100	8/31 tr
2300 WGRG	103.9 GA Greensboro, "G-104"	1160	0004 KMIT 105.9 SD Mitchell, ex-102.3 225
8/15 tr			0059 KNEY 95.3 SD Pierre, r, s/off 245
1742 KTOP	104.5 IA Cedar Rapids, "Sunshine-104"	425	9/4 tr
1819 KCCQ	107.1 IA Ames, "The Best Rock, FM-107"	400	0728 KVRP 102.3 SD Vermillion, k 280
2059 KXCV	90.5 MO Maryville	460	2126 K1WA 105.5 IA Sheldon, football 260
			9/5 tr
			0337 WJEZ 104.3 IL Chicago, "\$-Country" 570

+ + + + +

Richard Reese - 421 Marion St. - Jersey Shore, PA 17740

8/6 Es		8/6 Es	
1639 KIPR	95.5 TX Diboll, ad	2305 KESY	104.1 NE Omaha, m
1653 KWWR	93.3 MO Mexico, ID	2323 WQID	93.7 MS Biloxi, ad
1653 WJFE	90.7 FL Orlando	2325 KROK	94.5 LA Shreveport, r
1657 WIYD	99.9 FL Palatka, ad	2326 WKSJ	94.9 AL Mobile, ID
1658 WWSW	93.5 FL Big Pine Key, nx	8/8 Es	
1659 WSWN	93.5 FL Belle Glade, ID	1930 WUCU	89.7 FL Miami, g
1701 WMUM	94.3 FL Marathon, m	1952 WWVL	93.9 FL Miami Beach, r
1732 WQUE	93.3 LA New Orleans, r, "Q-93"	2049 unID	93.1 ?? ? Dallas FB program
1745 WRMB	89.3 FL Boynton Beach, ID	8/9 MS	
1758 WEDR	99.5 FL Miami, town	1245 KTXS	93.3 TX Killeen, ID
1818 WVOE	93.5 GA Hazelhurst, ad	8/9 GW	
1822 WVVS	90.9 GA Valdosta	1329 W28OAB	(WPGM xltr)
1829 WFLA	93.3 FL Tampa, m		103.9 PA Williamsport, testing
1839 WCKF	95.7 FL Clearwater, r	8/12 MS	(fantastic)
1841 WLVW	94.9 FL Tallahassee, ad	0927 WMC	99.7 TN Memphis, wx
1846 WSRU	93.5 FL Ft. Myers, k	1007 KMGK	93.3 IA Des Moines, ID
1847 WCVU	94.5 FL Naples, m	1035 KAUS	99.9 MN Austin, ad
1849 WYNF	94.9 FL Tampa, pr	1059 WMYU	102.1 TN Sevierville, "Kicker"
2037 KYKR	93.3 TX Port Arthur, k, "Kicker"		"..Knoxville fire.."
2212 unID	93.9 MN? Ment. Hibbing	1110 KWFC	97.3 MO Springfield, ID
2248 unID	89.1 ?? French	1205 KLAW	101.5 OK Lawton, town
2250 unID	89.3 ?? French	1219 KTHO	98.9 MO Kennett, ID
2255 WPAP	92.5 FL Panama City, k	1229 KBYH	102.9 NE O'Neill, ID
2256 KEZO	92.3 NE Omaha, r, "Z-92"	1258 WORA	107.7 FL Mt. Dora, "....In Orlando, this is Joy, FM-108...."
2257 KKNG	92.5 OK Oklahoma City, m		
2301 KJAN	103.7 IA Atlantic, BB	1317 WPAP	92.5 FL Panama City, ad
2303 KLYN	99.7 IA? Ment. Des Moines	1324 KSKU	102.1 KS Hutchinson, ID

- Continued -

8/12 MS
1324 KSKU 102.1 KS Hutchinson, ID
1325 KTKP 106.9 KS Topeka, "....Living in KS..."
1358 KEZI 104.1 IA Ames, ID
The meteor scatter of 8/12 was terrific. I noted several bursts per minute on FM, and lots of bursts on hi-band. The Es of 8/6 was also nice. This summer provided me with lots of new loggings, bringing my total to 754. I hope the season was good to everyone.

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TECHNICAL TOPICS



Q: "What is the most common VHF TV DX antenna among WFFD members? Is this the best type, or a compromise?"

A: There seem to be almost as many types of VHF TV DX antennas in use as there are WFFDers, but in recent years, there has been one top-line model that's gotten a lot of good results. The antenna is the Channel Master Quantum 1110. While this antenna does not have the highest gain figures available to TV DXers (that distinction may belong to Channel Master's giant 3617B "Crossfire"), it offers what probably is the best front-to-back ratio, and the deepest nulls of any commercially available VHF TV antenna. We're not trying to sell Channel Master antennas here--Winegard and Jerrold also make extremely "hot" top-line antennas for VHF TV--but it seems as if top TV DXers agree that Channel Master's 1110 and 3617B are the ultimate in a single antenna for VHF TV DXing. The 1110 seems to have the edge on the 3617B these days, because of the sharper nulls, which are more important to most DXers than the slightly greater forward gain of the 3617B. Also, the 3617B has a boom length of 195 inches--over 16 feet--as compared to the slightly shorter boom on the 1110. It should be pointed out that all broadband antennas are a compromise, to some extent. For the ultimate performance on one particular channel, you'd get the best results with a yagi cut for that channel, assuming it was a large, well-designed MATV-quality model.

Q: "What if you use a low band yagi and a high band yagi for DXing TV? Would this work better than a single log-yagi for the VHF TV channels?"

A: Chances are your results would be no better than if you used a large top-line log-yagi such as the 3617B. While this sounds as if it should produce much better DX performance, there are several things that should be considered. First of all, you may lose any gain advantage that separate low- and high band yagis give you if you mount them on the same mast, or close to each other. Secondly, if you combine the high- and low band antenna outputs, the loss in the combiner (insertion loss) may be just enough to make it not worth the expense and the effort. Single high band log-yagis are great for TV DXing, and in many cases will out-perform VHF TV broadband (ch 2-13) log-yagis for DXing, but only if you use them properly. If you really get serious about a certain aspect of TV DXing--say high band meteor scatter, for example, two highband log-yagis properly stacked are the way to go. Or, if you want better tropo results at high band, a single ch 7-13 log-yagi with a low-noise preamp and a separate run (i.e., apart from your low band DX antenna) of lead-in to your DX receiver will be hard to beat. It should be noted that the nulls of a Quantum 1110 are actually sharper, on the high band TV channels, than those of a single ten-element high band yagi. A stack of high band antennas however, will easily outperform even the best VHF broadband ch 2-13 log yagi antennas. For general VHF TV DXing, it's best to start with a ch 2-13 antenna, and upgrade from that.

QSL CORNER

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

FM-OSL's

YOUR RADIO HOST ON THE SEACOAST
100-3 MHz *31 KW ERP*

WHEB-FM

PORTSMOUTH, NEW HAMPSHIRE

This Will Verify Your Reception Of WHEB On

6-3-78 AT 4:31 PM DST

Signed *Tony Vaccaro* Chief Engineer

WHEB-FM 100.3MHz.
Portsmouth, NH
Chief Engineer,
Tony Vaccaro..
McVey

- ON CIGM 92.7 Sudbury, Box 400, P3E 4P7. Letter from Eileen Forbom, Manager. Chernos
- CKOT 101.3 Tillsonburg, Box 10, N4G 7M3. Letter from Robert Lamera, Eng. Chernos
- CFPL 95.9 London, 369 York St. P. O. Box 2580, N6A 4H3. Letter from W. J. Brady, Program Manager. Chernos
- CKNX 101.7 Wingham, NOG 2W0. Letter from Scott C. Reid, Dir. of Eng. send me bumper stickers, 1 rainhat & pocket pen holder. (cheap plastic bag & plastic case, that doubles as a plastic bag) Chernos
- CKQT 94.9 Oshawa, 360 King St. W., L1J 2K2. Nice letter from John Smith, Production Mgr. Also send stickers, these guys former non-verifiers, but seem good now that way. (?) -ed. Chernos
- CKAT 101.9 Northbay, Box 3000, PLB 8K8. Typed veries on back of sheet of paper he'd written a message (unrealated) on ...ie, scrap paper. Also didn't specify CFCH=AM or CKAT-FM, so I ticked CKAT, honestly! He tells me "You're not the only person who has picked us up before. Our signal is such that its aimed in a southerly direction & this event is not uncommon." Being 115 air miles south, he's got a point there, hi! Chernos
Signed by Bob Tanozyn, P.D.
- CILQ 107.1 Toronto, 2 Bloor E. Suite 3000, M4W 1A8. Thanks me for my letter of 'off-air' reception (!?!?!?) Generally a "despite you're so close" ? Verie signar did sign, but in Engineering. Chernos
- CKCU 93.1 Ottawa, Room 517, University Centre, Carleton University, K1S 5B6. Letter from Randie Long, the announcer on duty at time of my reception, says, "We have never received a report on anyone hearing us over this distance." Reply back in 10 days. Also se d program guide. Wood
- PQ CKMF 94.3 Montreal, 225 Est. Rue 26, Suite 26, H2W 1M5. Folder containing a letter in French (for report in same), sticker, poster, coverage map, (cuts off abruptly at U.S. border) & program guide from Yves Guerard, Director General, in 10 days. Very specific verie text. Wood
- AR KISR 93.7 Fort Smith, P. O. Box 3100, 72913. Form on report was signed by Deborah Dunn, Traffic Manager. Also received a bumper sticker in 8 days. My first Arkansas confirmed! George
- IA KRVR 106.5 Davenport, 1706 Brady St, 52803. Letter from Kenneth E. Coldwell, CE in 15 days. Durkin
- IL WIBI 91.1 Carlinville, P. O. Box 126, 62626. Letter from Bob Miller, CE. Zank
- WDZQ 95.1 Decatur, 265 S. Park St., 62523. Letter from Fred Moore, CE Zank

FM-OSLs

- IN WR1A 101.3 Richmond, P. O. Box 1646, 47374. Send rate card & my prepared card for verification. from William Quigy, Manager. Eddie
- MA WERS 88.9 Boston, Emerson College, 130 Beacon St. Letter from Dennis N. Miller, PD. Cooper
- MD WQHQ 104.7 Salisbury, Radio-TV Park, 21801. Earlier had returned my prepared card after follow up, but today received QSL Card with map from Bruce Wharton, A.C.E. Holbrook
- MN WCCO 102.9 Minneapolis, 215 S. 11th St, 55403. Letter from John F. Harding, CE, in 1 month. Hempel
- KSTP 94.5 St. Paul, 3415 University Ave., 55414. Letter from Neil Swanson, FM Engineering Supervisor. Reply back in 4 days. Hempel
- KEEY 102.1 St. Paul, 611 Frontenace Place, 55104. Letter from Scott Christensen, Chief Engineer. Hempel
- WKKQ 93.9 Hibbing, Box 1060, 55746. Jerry J. Collins, General Manager. Verified for main channel & SCA, saying my letter "brightehed my day" A few days later, Mark Person, Brainerd, MN, their consulting engineer wrote wondering about my SCA equipment. Elving
- KZIO 102.5 Duluth, 1105 E. Superior St., 55802. Letter from Phil Maki, CE. Verifies for this station licensed to Superior, WI, but studos & offices above address. Transmitter in Duluth, 100,000 watts. Elving
- NE KZEN 94.7 Norfolk, 300 Madison Ave, 68701. Letter from Bob Morris, CE. Reply back in 4 days. Hempel
- NV KUDO 93.1 Las Vegas, 3595 Las Vegas Blvd., South Las Vegas, NV 89109. Letter & calling card in 6 weeks from Ron-Scott Maesti, Public Affairs Dir. Said my report was featured in a local newspaper column, but did not send a copy of it. Said he would call me for an interview, but have so far heard nothing. Wood
- NH WHOM 94.9 Mt. Washington, P. O. Box 4040, Portland, ME 04101. Letter & info folder including coverage map & an interesting letter from WTFDA's Dr. Bruce Elving, on FM Atlas letterhead, confirming that per his calculations, WHOM has the largest land coverage of any U.S. FM station. Said my report was the most distant. Reply in 2 months. Wood
- WLNH 98.3 Laconia, Parade Rd, 03246. Letter & 2 bumper stickers in 3 weeks from Paul Shulins, CE. Said my report was most distant. Wood
- NJ WMGQ 98.3 New Brunswick, Box 100, Broadcast Center, 08903. Letter with a color post car showing new studios & antenna, from John A. Stanley, CE Holbrook
- WKCXW 101.5 Trenton, 218 Ewingville Rd, 08638. Returned prepared card after follow up report. Signer was W. A. Musser, GM. Holbrook
- WVUU 107.1 Long Branch, 156 Broadway, 07740. Returned prepared card after a follow up report. Signer was Ted J. Cain, CE. Holbrook
- NY WACJ 104.1 Buffalo, Buffalo Hilton, Church & Terrace, 14202. Letter from Walter Williams, CE in 3 weeks. Ross
- WHUG 101.7 Jamestown, Box 1199, 202 Front St, 14701. Letter from Burton O. Waterman, CE in 2 weeks. Ross
- WECQ 101.7 Geneva, Box 213, 609 W. Washington, 14456. Letter from Steve Reynolds, P. Dir. Confirmed my reception on my report letter in 4 weeks. Ross
- NM KZOR 94.1 Hobbs, 619 North Turner, 88240. Letter in 40 days, signed by Cissy Lawson, Traffic/Special programing Coordinator. Send bumper-stickers business card, newspaper clipping with KZOR Building & picture of Ms. Lawson. First New Mexico for me on FM. George
- PA WYSS 94.3 Saegertown, P. O. Box 321, 16437. Letter from Bruce W. Dawson, Sales Manager. Ellis
- TX KTXT 88.1 Lubbock, Texas Tech. Univ., Box 4060/Box 4710, 79409. Letter from Mark Slusher, Station Manager. Send letter, copy of program menu in 8 days. A week after got first letter, got a memo & bumper sticker from Mark Norman, General Manager. George

Reporters for this month 2 pager are: Saul Chernos, Richard Wood, Tim McVey, Charles George, Neil Zank, Patrick Durkin, Richard Eddie, Hank Holbrook, Bob Hempel, Bruce Elving, Ernest Cooper, Robert Ross, Albert Ellis. This month is a 2 pager because there was no column last month, and that the FM QSL's are piling up. I had a good time in Oklahoma City for the convention that John Zondio did a job in getting together. Don Blevins & I drove out to OKC & back camping style & had a fine time. 73's untill next month.

Tom

by JOHN ZONDLO, with photos by DON ERICKSON

The 1981 WTFDA convention in Oklahoma City July 31, August 1 and 2 proved to be a rousing success. 30 club members ventured to the Oklahoma capital (total attendance 31) for the annual affair. Here's a recap of the activities:

PRE-CONVENTION

As usual, California's Don Erickson was the first arrival, and brought the rain that has become traditional at WTFDA conventions. We hadn't had any appreciable rain in two months, yet when DEE arrived, it was in the midst of a 5" downpour. Don's help in getting things ready for the convention was truly invaluable to the host.

Thursday saw many conventioners arriving or already here, including Bill Thompson, Bob Seybold, Joe Gragg, Mike and Margie Hogan, Ralph Strobel, Mark Wilson, Glenn Jacobs, Harry Hayes, Ernie Wesolowski and Frank Merrill. Contrary to rumor, our meeting room was not the lobby of the motel, tho that is where many of the earlybirds hung out.

FRIDAY

The meeting room officially opened for business on Friday, and many of those attending were in town by this day. Activities began with tours of KEBC and KATT AM-FM. After those tours, we ventured down to beautiful Moore OK because Joe Gragg wanted to take a look at KOMA 1520. Joe wound up getting us an impromptu tour of the facilities. It was the first time many members had ever visited a 50 kw AM station.

After the official convention opening at 8PM (an hour late), we watched videocassette presentations far into the night. Featured were a TV Ontario Fast Forward program on TV standards around the world; a British IBA program along the same lines, tho more technical; a video tour of Jerry Pulice's DX shack in New York; a locally produced comedy show that Jerry taped from one of his locals; and finally, a videotape of Bethany Nazarene College's win over Alabama-Huntsville last March for the NAIA basketball championship (figured while I had the VCR rented I might as well show it, hi).

Alliance, McIntosh and Finco provided factsheets on their gear for conventioners to pick up. Bruce Elving had his FM Atlas available, plus other goodies from his company. And two tuners, the Akai AT-VO4 and the Technics 9030, were available for members to experiment with in the meeting room.

SATURDAY

Station tours began bright and early. We visited KJIL, KTOK/KJYO and KTBO 14. The 14 tour was truly miraculous, as I failed to make contact with any of the necessary station personnel before the tour. I knocked on the back door, and the only guy in the building (the switcher) let us in. Since he was busy, I gave the tour, since I was familiar with the place.

The afternoon was loaded with seminars. Bruce Elving led things off with a discussion of SCA and FM translators. Don Blevins then explained the workings of PSB DX, and gave valuable tips to those unfamiliar with that aspect of the hobby. Paul Mitschler explained the uses of a computer in TV DXing, and gave members a printout of TV stations within a 500 mile radius of their home. Dr. Richard Wood wrapped things up with a discourse on the DX he's experienced from various locations around the country (Baton Rouge, New York, Cape Girardeau, etc.).

Saturday evening saw conventioners attending the annual banquet, which featured Swiss steak. Reactions to the banquet fare were very favorable, including a rating of 7 from Frank Merrill (that's right, even Frank attended the banquet). After the banquet, Joe Gragg spent two hours answering various and sundry questions about DXing, dealing primarily with propagation. Many former and present BCB DXers found his comments on Antique Modulation quite amusing. Joe was seen still answering questions two hours after the session ended. These annual Q&A sessions alone make the convention worth attending.

WTFDA 1981 CONVENTION REPORT

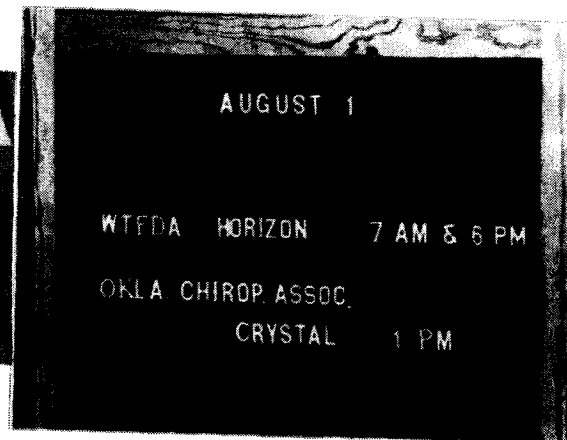


Oklahoma City's Ramada Inn West welcomed the WTFDAers.

Things started early on Saturday. (below)



Texas DXer Joe Gragg.



FCC FM and FM Atlas editor, Dr. Bruce Elving, showed DXers FM SCA gear.



SOUTHERN FM DX's Danny Buntin (left) and club Distribution chief Mike Hogan.

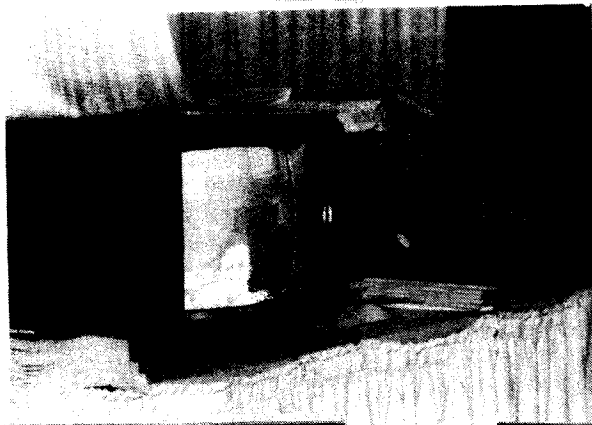
RIGHT:
PSB DX editor
Don Blevins, a
co-host of WTFDA's
1979 Baltimore
convention.



FAR LEFT: 1981 convention
host, and editor of WTFDA
MAILBOX, John Zondlo.



LEFT: Standing next to
John is NORTHERN FM DX
editor Ralph Strobel.
That's part of a Channel
Master Stereo Probe 9
FM yagi behind Ralph.



NY DXer Jerry Pulice
couldn't attend this
year's convention, but
he did make an appear-
ance via videotape--
that's Jerry on the
screen, with a tour of
his DX shack. His QTH,
Staten Island, is bid-
ding for next year's
convention. Paul
Mitschler's computer
print-out of TV station
data is above the TV.

RIGHT: WTFDA's talented
artist, Harry Hayes.

FAR RIGHT: Houston DXer
Dave Walcutt.



Pioneer TV DXer Bob Seybold,
host of several past conven-
tions, including last year's.



Louisiana DXer Mark Wilson
(left) looks at some of DXer
Marv Shults' (right) photos



Pennsylvania's
Glenn Jacobs, one
of a small group of
successful trans-
Atlantic TV DXers.

SUNDAY

A remarkably large turnout appeared for the club business meeting Sunday morning. Of course, we're not quite sure if it was because of the meeting or because breakfast was served (albeit 40 minutes late).

The business meeting featured the announcement of a dues increase to \$15 per year effective October 1st. The reasons for delays in VUD mailings were explained, and Mike Hogan explained how club mail is routed (hopefully future delays of the VUD were nipped in the bud by a mini-board meeting the following Thursday in Whiting IN, where the problem was discussed). Suggestions were made for improvements in the next edition of the TV Station Guide. Bruce Elving, the only WTPDAER to attend the ANARC convention in Thunder Bay, gave us a report on that convention. And a proposal to allow call letter changes to count as new loggings was discussed. The proposal, by Mike Dalton, was met by much opposition, as members said they preferred to consider a call change a change in image only, and not as a real technical change. Following the business meeting, the convention was officially closed, tho many hung around the meeting room for several hours afterward.

SUMMARY

Many thanks to all of those who made this convention a success. The nice comments I received during and after the convention made it well worth the effort. I was disappointed by the lack of media attention to the convention, tho we did get a pre-convention write-up in the OKC Daily Oklahoman.

If you'd like a copy of the convention guide, please send me a SASE with 35c postage.

I hope those who attended had a great time. See you in Staten Island next year?

The attendees:

Richard Allen Harry Hayes Gary Siegel
Don Blevins Margie Hogan Ralph Strobel
Danny Buntin Mike Hogan Bill Thompson
John Clemmer Glenn Jacobs Dave Walcutt
Vernon Eaton Jim Korn Ernie Wesolowski
Richard Eddie Frank Merrill Ron Wing
Bruce Elving Paul Mitschler Mark Wilson
Don Erickson Dave Pomeroy Richard Wood
Ron Ginardi Bob Seybold Tom Yingling
Joe Gragg Marv Shults John Zondlo
Ronald Green

DOLLARS AND CENTS

Income
Registration fees (\$9 for banquet, \$3 per day attended \$525.00
Expenses
Banquet \$269.54
Meeting room rental (room free banquet day) 93.60
Refreshments (soft drinks, chips, Sunday danish) 66.27
Stamps for mailing to area states members (50 35c) 17.50
Paper for convention guide (part of one ream used for guide, one ream given to KJIL for use of photocopy machine) 11.54
Stamps for publicity mailings (60 18c) 10.80
Rental of videocassette player 10.40
Name badges 2.80
One receipt pad, 2 ledger pads 1.23
Money orders for motel fees, payment to club .70
\$484.38
Profit to club treasury \$ 40.62

(Note: Money was saved by buying most soft drinks and chips from store, rather than motel. We were billed for only the 15 danish ordered, rather than the 20 served. Remainder of ream of paper used for guide being used for club purposes, such as financial data photocopying, etc.)

73
John Zondlo
OKC Convention Host

FM STATIONS

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

October 1981

FM SCOREBOARD

Table with columns: D/Ker, Location, Rank, Total, 88-92, Es, MS, Au, USA, CN, MX, FO, TPU, YB, As of:
1 2059 331 799 103 286 454 7 5 3 61 70 9/4/81
2 1421 181 1156 23 0 41+ 3 6 3 54 70 11/15/80
3 1338 194 751 28 77 47+ 4 5 0 57 52 7/21/81
4 1292 169 747 1 0 47+ 5 9 0 62 74 8/3/81
5 1188 248 689 7 0 41+ 2 12 12 68 72 10/1/80
6 1154 171 542 27 44 39+ 5 0 2 47 69 9/5/81
7 1065 164 498 112 5 38+ 7 0 1 47 71 8/22/81
8 1039 133 784 25 77 44+ 6 4 0 55 65 8/30/81
9 1031 125 520 7 16 37+ 3 0 1 42 74 8/14/80
10 1006 255 113 20 0 33+ 3 0 0 37 72 9/1/81
11 917 178 431 2 9 37+ 5 0 3 46 68 8/10/80
12 807 160 211 0 0 32 1 0 3 36 60 3/30/80
13 750* 174 202 12 0 35+ 5 0 3 44 59 12/5/80
14 724 143 173 1 3 42 5 8 0 55 77 8/30/81
15 705 89 155 2 0 39 4 2 0 46 77 8/1/80
16 639 136 33 1 0 28 1 0 0 29 78 6/1/81
17 576 65 360 2 42 42+ 3 0 0 46 74 8/30/80
18 573 113 300 79 0 21 4 2 0 27 57 8/28/81
19 546 108 234 10 6 33+ 2 0 0 36 58 11/15/80
20 524 69 98 0 0 30+ 2 0 1 34 71 8/22/80
21 491 84 160 1 0 41 4 4 0 49 79 7/10/81
22 418 86 70 0 0 31+ 3 0 0 35 78 7/31/81
23 417 61 170 3 0 38+ 5 0 0 44 75 7/21/81
24 380 119 301 0 0 31+ 2 1 4 39 66 9/1/81
25 358 77 104 0 0 26+ 1 0 0 28 77 7/22/81
26 306 31 138 0 0 30 4 0 0 34 52 7/29/81
27 293 113 86 2 0 31+ 3 0 1 36 76 10/29/80
28 243 42 44 1 0 22 3 0 0 25 76 8/29/81
29 185 42 16 0 0 19 0 0 0 19 74 7/1/80
30 184 62 7 0 0 9+ 0 0 0 10 77 7/30/81
31 150 23 17 0 0 18 2 0 0 20 77 9/14/80
32 144 16 3 0 0 7 1 0 0 8 64 7/21/80
33 129 7 3 0 0 8 1 0 0 9 78 5/19/80
34 126 45 33 0 0 18+ 1 0 0 20 79 8/10/81
35 123 10 15 1 0 17+ 0 0 0 18 78 7/30/80
36 100 11 0 0 0 5 0 0 0 5 81 7/31/81

*-Verified. If others are interested in having your veries shown in the FM Scoreboard, send your latest count with your next updates to the FM Scoreboard.

Column Definitions for FM Scoreboard: Total = total number of FM stations logged. (Freq. changes count as a new station, call letter changes DO NOT count.) 88-92 = all stations logged from 88.0 to 91.99 MHz. Es = total number of stations logged via E-skip. MS = total by meteor scatter. Au = total via Aurora. USA = total number of states and the = Washington DC. CN = number of Canadian provinces logged; MX = number of Mexican states logged; FO = number of foreign countries logged, but not Canada or Mexico. TPU or "total political units" = sum of USA CN MX & FO. YB = the year you began DXing. If you have submitted updates that have errors due to misunderstanding of the meaning of the column definitions (e.g. MX = total stations logged in Mexico, in lieu of the correct entry of total number of Mexican states logged) feel free to send in corrections. We all want each of your statistics to be an accurate assessment of your FM DXing accomplishments. Those of you who have not sent in updates this year, please do so by the end of the year, as the 1980 data will be dropped from the FM Scoreboard in Jan 82. Thanks for all your inputs and suggestions/comments.

73-Fred

NEW FM DISTANCE RECORDS

Table with columns: MHz, Prop, CL, Location, Miles, D/Ker, Location, Old Record Holder, Miles
88.5 Es KPLU WA Tacoma 1505 Danny Buntin, Stillwater OK McAniff 1460
91.1 Es XETRA BCN Tijuana 1360 Fred McCormack, Des Laos ND Hauser 1350
99.5 Es WDMG GA Douglas 2250 John Jefferson, Pleasanton CA Simon 1450
99.9 MS KTCM NM Clovis 1065 John Jefferson, Pleasanton CA Hauser 895
101.3 Es WVER VA Hampton 1495 Fred McCormack, Des Laos ND McCormack 1480
103.1 Es KJAM SD Madison 1335 John Jefferson, Pleasanton CA McCormack 1320
Tr KCTO LA Columbia 555 Andy Bolin, Charleston IL LeBlanc 540
103.9 Tr WBYB OH Westerville 815 Danny Buntin, Stillwater OK Dalton 620
104.3 MS WQMC MI Detroit 985 Fred McCormack, Des Laos ND Hauser 885
106.7 Es WRVR NY NYC 1455 Fred McCormack, Des Laos ND Dyer 1380
107.1 Es WLCF NC Southport 1325 Fred McCormack, Fargo ND Hauser 1320
107.3 Es WQWV FL Pensacola 1460 Fred McCormack, Des Laos ND Pissi 1440

WESTERN TV-DX

October 1981

Fred McCormack
Box 5221
State University Sta.
Fargo, ND 58105
Deadline: 5th

New _____ New Mode _____ Tentative - - Unidentified - unid

Jim Pizzi, P.O. Box 1778, Lovington, NM 88260 **MDT**

May 1981

7 Es	<u>KNYT</u> 2 CA	0811 <u>KXGN</u> 5 MT	9 tr 0100 <u>KCOS</u> 13 TX
	<u>KNBC</u> 4 CA	0812 <u>KRTV</u> 3 MT	12 Es 2300 <u>CKCK</u> 2 SA
	<u>KTLA</u> 5 CA	0900 <u>KATD</u> 4 MT	13 Es 0745 <u>KCRV</u> 3 CA
	<u>KEYT</u> 3 CA	0940 WCMHT 4 OH	0752 <u>KRON</u> 4 CA
8 tr 0730	<u>KAMP</u> 4 TX	August 1981	0800 <u>KTVU</u> 2 CA
	<u>KVTI</u> 3 TX	5 tr 0615 <u>KAUZ</u> 6 TX	tr 0827 <u>KWME</u> 5 NM
	<u>KFDA</u> 10 TX	0617 <u>KCEN</u> 6 TX	13 Es 2000 <u>CFCN</u> 4 AB
0800	<u>KWET</u> 12 OK	7 Es 0800 <u>WJFK</u> 2 MI	14 Es 0003 <u>KTVQ</u> 2 MT
	<u>KVIJ</u> 8 OK	8 Es 1300 <u>WLWT</u> 5 OH	15 Es 0900 <u>KTVQ</u> 2 MT
	<u>KGBD</u> 11 TX	1300 <u>WCMLT</u> 6 MI	0930 <u>KDIX</u> 2 ND
	<u>KLKB</u> 13 TX	2330 <u>KKJB</u> 4 ND	19 tr 0940 <u>KQGM</u> 13 NM
	<u>KAMC</u> 28 TX	9 tr 0017 <u>KVIA</u> 7 TX	23 Es 1710 <u>KTVU</u> 2 CA
0830	<u>KRBC</u> 9 TX	0028 <u>KTSM</u> 9 TX	24 tr 0800 <u>KTKS</u> 12 TX
0832	<u>KACBT</u> 3 TX		0800 <u>KTAB</u> 32 TX

Pardon my long absence from reporting. In May of 1980, I dismantled my equipment and moved to north of Lovington, NM (7 miles north). I stood in Santa Maria while waiting for a transfer on my job with the phone company. The transfer never came through, so I'm now managing Satellite Television Co. here in Lovington. The main company is in Santa Maria, Ca. We wholesale to dealers earth stations. We are distributors of National Microtech equipment. I'm in the process of setting up dealerships in New Mexico and west Texas. If anyone is interested in complete satellite systems or component equipment, let me know - I can give good pricing. Business phone is 505-396-7361 or home, 505-396-3432, collect, or drop me a line.

I bought a four bedroom house on 20 acres of land - plenty of room for an antenna farm - but still don't have anything up but antenna for family TV - (CM-1110 and small UHF log with Winegard pre-amp). TV totals up to 41 - FM equipment not yet connected. I have to get used to tropo again- didn't see much in California.

I hope to be reporting on a regular basis and will eventually get my equipment set up. This seems like a good location. Locals on 3-6-8-10, can null 3 and 6 in most directions. Semi-locals on 2,5,7,9,11,13, and 28 (Midland and Lubbock) no problem when conditions are up. Best of DX to everyone. 73, Jim (Good luck in your new location, fm)

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

(Pat sent a note saying that he is still DX'ing TV, but hasn't been able to find time to go through his notes and write them up.) (Whenever you can get around to it, I am sure we would all enjoy reading of your DX again. Maybe, you could submit some of the highlights. fm)

Richard Noel Allen, Route One, Billings, OK 74630 **CST**

Receivers: Sony KV-1212 12" color, Panasonic FR-3000P b&w, and JVC HR-3300U VTR

Aerials : Winegard 11 element VHF log and Archer 44 element UHF log above 25 feet on rotator with pre-amps

August 1981

4 tr 0550 <u>K33AC</u> 33 NE	8 tr 0625 <u>KXNE</u> 19 NE	(apx 60 sec burst)
7 Es 1715 <u>CKTV</u> 2 SA	Es 1915 <u>CKGN</u> 2 ON	12 ms 0316 <u>KDKA</u> 2 PA
1758 <u>CFRN</u> 3 AB	2000 <u>WJFK</u> 2 MI	0318 <u>WFMY</u> 2 NC
1829 <u>CFAC</u> 2 AB	CCI: WGR,CKGN	0348 <u>WSB</u> 2 GA
1859 <u>CFSS</u> 3 SA	& unid PBS	All seen more than
CCI: CBWFT	2057 <u>CKCO</u> 2 ON	once on this date.
1859 <u>KBME</u> 3 ND	2058 <u>CKSO</u> 3 ON	13 ms 0256 <u>WNGE</u> 2 TN
8 tr 0623 <u>KHNE</u> 29 NE	2145 <u>CKCY</u> 2 ON	0323 <u>WFMY</u> 2 NC
0625 <u>K33AC</u> 33 NE	CCI: unid Can	0344 <u>WSB</u> 2 GA
	2150 <u>WBAY</u> 2 WI	Es 1757 <u>WUND</u> 2 NC
	12 ms 0311 <u>WNGE</u> 2 TN	

Western TV DX

October 1981

Richard Noel Allen (continued)

Above is my first active TV DX in many months. I was very surprised to catch three new stations, bringing my total to 345 stations seen in eight years of DX-ing. Most of my loggings occurred in the first four years (1973-77) when I was very active and my equipment was newer. I did manage to get decent photographs of WNGE and WSB during the Perseids (St. Lawrence's Tears) shower.

KAUT-43 ceased "Newswatch 43", their noon to 7 p.m. (Monday-Friday) newscast, on 8-28-81, after ten months. KLTE (FM), in a commentary, blasted Golden West Broadcasting, KAUT's owner, for not taking advantage of their unique news format and providing Oklahoma City with an alternative news source. Unfortunately, KAUT did nothing but present an ordinary one hour newscast repeated seven times in a row. KTVU-4, KOCO-5, and KBTO-14 are on all-night schedules several days per week at the present. KTVU has a one-hour newscast at 6-7 a.m., and KOCO will begin a one-hour newscast on 9-14-81, according to a recent story in the local newspaper. 30 (Good to have you back. fm)

Fred McCormack, 135 Prairiewood Drive, Fargo, ND 58103 **GDT**

Equipment: 9" Broadroom b&w television, 19" Magnavox digital color (for UHF), Winegard CH-7078 V/U, CH-9095 UHF, B-T CMA-U preamp

August 1981

9 Es 2158 <u>KBTX</u> 3 TX 1120	0758 <u>KOZK</u> 21 MO 695	5 tr 0031 <u>WLFJ</u> 18 IN 675
11 Es 2159 <u>WSTM</u> 3 NY 1045	0810 <u>KCBJ</u> 17 MO 600	0109 <u>WAND</u> 17 IL 620
12 tr 0556 <u>CKYB</u> 4 MB 245	0814 <u>KMTC</u> 27 MO 695	0127 <u>WICS</u> 20 IL 610
Es 2015 unid 3 NBC	0828 <u>WKOW</u> 19(MN) 340	0144 <u>WQRF</u> 39 IL 490
Es 2058 <u>WLEF</u> 36 WI 315	Es 2049 unid 2 NBC e	0208 <u>WMTV</u> 15 WI 445
Es 2300 unid 4 w	23 Es 1809 unid 3 NBC s	0223 <u>WSAW</u> 7 WI 365
(over local KXJB)	30 tr 2350 <u>KCNA</u> 8 NE 365	0259 <u>WTHR</u> 13 IN 715
14 tr 1110 <u>KUSD</u> 2 SD 265	September 1981	0351 <u>WQAD</u> 8 IL 500
1113 <u>KTSD</u> 10 SD 240	3 tr 2245 <u>WQOW</u> 18 WI 280	0450 <u>WLUK</u> 11 WI 455
15 tr 1729 <u>KHIN</u> 36 IA 390	4 tr 0739 <u>KAVT</u> 15 MN 290	0457 <u>WLEX</u> 18 KY 870
1744 <u>KCCI</u> 8 IA 385	0755 <u>KXNE</u> 19 NE 320	0502 <u>WKIX</u> 19 OH 815
2129 <u>KXNE</u> 19 NE 320	1103 <u>KMWE</u> 7 NE 340	0514 <u>K48--</u> 48 MN 145
16 tr 0139 <u>KTVI</u> 4 IA 300	2219 <u>K50AG</u> 50 MN 145	(Willmar - with KMSP
Es 1438 <u>KMID</u> 2 TX 1060	(Willmar KSTP-5)	off - xltng WWTV-9!)
tr 2053 <u>KRIN</u> 32 IA 395	2220 <u>K48--</u> 48 MN 145	0529 <u>WBAY</u> 2 WI 455
19 tr 0544 <u>WHO</u> 13 IA 385	(Willmar KMSP-5)	0542 <u>WLUC</u> 6 WI 425
Es 1925 <u>KREM</u> 2 WA 960	2220 <u>K46--</u> 46 MN 145	0553 <u>WGVC</u> 35 MI 595
2215 <u>KOTI</u> 2 OR 1265	(Willmar WCCO-4)	0610 <u>KWWL</u> 7 IA 395
20 tr 2218 <u>KIMT</u> 3 IA 310	2258 <u>WOSU</u> 34 OH 835	0611 <u>WHO</u> 13 IA 385
21 tr 0730 <u>WEAU</u> 13 WI 320		0612 <u>WISN</u> 12 WI 505
		0654 <u>WHA</u> 21 IL 445
		0700 <u>WAND</u> 17 IL 620
		0759 <u>WHRM</u> 20 WI 365

Probably the best period ever for my Fargo log book. Certainly the best DX I have seen here. Really enjoyed the all-night tropo on 9-4/5. Naturally, many stations were seen which remain unidentified, although I usually have a pretty good idea who they were. Was surprised to see WWTV-9's signal being translated by nearby translator. Unfortunately, I couldn't find the real station. WTHR is the most distant VHF tropo seen from either of my DX locations.

I have removed previously reported K60AO, Redwood Falls, from my log book. Recent translator info received from Bill Fahber indicates it was more likely a new translator at Appleton, MN. I will be watching for it again. 73

ACTION

NEWS on WDAF-TV

4



kcmo tv 5



39

KXTV



27

KTVS TV

HOUSTON

NEWS

13

unbu tv

EASTERN TV-DX

Eastern TV-DX

William J. Draeb
Ellis St. R.R.#2
Kewaunee, WI
54216

Deadline: 5th

E-Skip continued to be active here during the first week and a half of August but came to an abrupt ending on the 11th. A few good tropo openings here on August 17 and 18 and another on the 25 and 26 brought in stations from Oklahoma, etc. (the first opening) and to Eastern PA. and N.Y. during the second opening.

Saul Chernos; 79 Ridge Drive, Toronto, ON M4T 1B6 EDT

June 1981	June 1981	July 1981
14 Tr 1330 WCML-6 MI	25 Es 1808 K-TV-2 MO	13 Es 2126 KTVY-4 OK
17 Tr 2219 CBLFT-1-7 ON	1829 KTVY-4 OK	2130 KOCO-5 OK
18 Es 1720 WPBT-2 FL	1912 WSM-4 TN	KOTV-6 OK
1730 WTVJ-4 FL	Nashville	
WCIX-6 FL	1918 KDFW-4 TX	14 Es 1930 KXGN-5 MT t
Miami	1930 WADG-6 MS	22 Es 1700 WTHS-2 FL
WPTV-5 FL	Greenwood	Miami
1735 WESH-2 FL	1957 KSNB-4 NE	WPBT-2 FL
1740 WEDU-3 FL	"NTV I.D."	1730 WDIQ-2 AL
1830 WDBO-6 FL	2000 CBRMT-4 SK	23 Es 2145 KWGN-2 CO
Orlando	Moose Jaw	2159 WCCO-4 MN
2100 KARK-4 AR	2030 KETS-2 AR	2205 KTCA-2 MN
Little Rock	2058 KOA-4 CO	2228 KNOP-2 NE
2115 WREG-3 MI	2100 KOAA-5 CO	North Platte
Memphis	Pueblo	2250 KMTV-3 NE
19 Es 1730 WDIQ-2 AL	2300 KJRH-2 OK	Omaha
Dozier	2316 KTVV-3 MO	2255 KQNB-6 NE
1755 WESH-2 FL	Springfield	Hays Center
1900 WPBT-2 FL	2318 KARK-4 AR	2300 KPLO-6 SD
20 Es 1600 WDIQ-2 AL	2333 KOCO-5 OK	Reliance
WTVV-4 AL	Enid	KPRV-4 SD
Dothan	26 Es 0002 WDIQ-2 AL	Pierre
21 Es 1430 KPRC-2 TX	0015 WMAZ-2 MS	KIVV-5 SD
Houston	27 Es 1500 KUSD-2 SD	Lead-Deadwood
WNL-4 LA	Vermillion	2305 KXON-5 SD
New Orleans	28 Tr 1758 WTON-4 MI	Mitchell
KOA-4 CO	Cheboygan	2315 KDUH-4 NE
Denver	2100 KDKA-2 PA	2359 KTWO-2 WY
1456 WERZ-2 LA	Pittsburgh	Casper
Baton Rouge	30 Tr 1900 WDIV-4 MI	("K2" I.D.)
1500 KDFW-4 TX	WXYZ-7 MI	26 Es 1508 Cuba-2 tent.
Dallas	WJKW-8 OH	Cuba-4
1800 KJRH-2 OK	WKYC-3 OH	Camaguey
Tulsa		1730 WCTV-6 GA
1830 KTVY-4 OK	July 1981	Thomasville
Oklahoma City	4 Es 1257 WJXT-4 FL	WREL-3 GA
1900 CKKT-2 KS	1258 WESH-2 FL	Columbus
Great Bend	1259 Cuba-2	1748 WESH-2 FL
23 Es 1720 WSB-2 GA	1300 WEDU-3 FL	1800 WEDU-3 FL
Atlanta	1900 WDIQ-2 AL	WJXT-4 FL
1730 KTCA-2 MN	1930 WERZ-2 LA	
Minneapolis	WMAZ-2 MS	August 1981
1805 WCCO-4 MN	2250 KDUH-4 NE	3 Es 1900 WESH-2 FL
Minneapolis	8 Es 1759 WTVJ-4 FL	8 Es 1308 " "
1830 KFTV-2 MO	1800 WPBT-2 FL	1309 WPBT-2 FL
24 Es 2030 WMAZ-2 MS	WESH-2 FL	1330 WSB-2 GA
Ackerman	1819 WJXT-4 FL	1420 WDIQ-2 AL
2204 WERZ-2 LA	1830 WTVV-4 AL	1900 KMTD-2 TX
2235 WESH-2 FL	11 Es 1255 WMAZ-2 MS	Midland
25 Es 1600 KWGN-2 CO	1300 WERZ-2 LA	10 Es 2330 CKCK-2 SK
Denver	KPRC-2 TX	(now CKTV-wd)
1700 KOA-4 CO	WHBF-4 IL	Unided-4;
1720 WSE-2 GA	Rock Island	probably Alta.
1735 WTVJ-4 FL	1330 KETS-2 AR	11 Es 1800 WESH-2 FL
1745 KDUH-4 NE	KARK-4 AR	2315 KDIX-2 ND
Day Springs	1400 KDFW-4 TX	Dickinson
1800 KLINE-3 NE	13 Es 1937 WNL-4 LA	12 Es 2230 KTWO-2 WY
Lexington	2030 WERZ-2 LA	
	2100 KJRH-2 OK	

Eastern TV-DX

Saul Chernos; continued---

"Lots of TV Es this summer. If I see WESH or WDIQ one more time (or WPBT), I may just give up DX and spend the rest of my days in a white padded cell. How could Freud have missed the DX-Syndrome, hi! (He could have invented the "Freudian Skip"). Oooh! That's bad! Very! (You said it, I didn't--wi.) Also, I have an immense list of unideds. I will not list here, but send to CCI."

Greg Kelley; 211 St. Clair Ave. S.W., New Philadelphia, OH 44663 EDT

August 1981	August 1981	August 1981
23 Tr 0800 CBLT-9 ON 180	23 Tr 0900 WUTV-29 NY 200	23 Tr 1000 CICA-19 ON
CKCK-8 ON 200	Buffalo	Toronto 250
Wingham	1000 CFPO-9 ON 250	CBLFT-25 ON "
WGR-2 NY 200	Toronto	Toronto
Buffalo		CITY-79 ON "
0900 CHCH-11 ON 190		Toronto
Hamilton		

"Really a great morning for UHF, was trying to "knock-off" Toronto for a long time. Well... I am no longer with Radio Shack... found a much better position with a lot more \$\$\$! To celebrate, we are putting up a 40' tower using my Finco 5' dish, along with the 7 db gain from the Delhi Co., in Ontario. Plus add a B-T preamp with 38 db gain. This ought to really increase my UHF range. Hope to have all of this done for reporting next month."

Robert Grant; 5775 Bishop, Detroit, MI 48224 (313)-884-3025 EDT

June 1981	August 1981	August 1981
25 Es 0500 CJCN-4 NF	8 Es 2300 KOTA-3 SD	13 Tr 0512 WKRC-12 OH
Grand Falls	KTVS-3 CO	Cincinnati
(4SL of CTV news)	KYCU-5 WY	15 Tr 0300 WAVE-3 KY (IN)
August 1981	9 Es 0000 KOAA-5 CO	18 Tr 0230 CKCO-11 ON
3 AH 0240 hash ch.2-9.	Tr 0412 CKCO-4-11 ON	0550 WTAJ-10 PA t
Tr 0400 CBUT15-5 BC	Es 2100 KTVS-3 CO	20 Tr 2300 W47AB-47 OH
Nimkish	10 Ms 0527 KDFW-4 TX	21 Tr 2240 WBAO-49 OH
(seen via CBLT)	Tr 0546 WHEC-10 NY	Akron
5 Ms 0252 WGBD-2 SC	11 Ms 0305 KDUH-4 NE	22 Tr 0350 WAVE-3 KY (IN)
0309 WESH-2 FL	(previously by Es)	WWUP-10 MI
6 Es 1922 WTVJ-4 FL	0328 WCCO-4 MN	0500 WLUK-11 WI t
2230 CBLT-3 NS	12 Ms 0354 WAVE-3 KY (TN)	23 Au 0405 hash on chs 2-5
2316 WREL-3 GA	Louisville	24 Tr 0555 WNAS-11 KY
7 Es 2200 KYCU-5 WY	0355 WISC-3 WI	Louisville
8 Tr 0300 WWUP-10 MI	(previously by Tr)	26 Tr 0311 CKNC-9 ON t
0348 CKCO-4-11 ON	12 Ms 0429 KDFW-4 TX	CKCO-4-11 ON
Huntsville	0445 CBLT-5 ON	
	(simultaneous // Tr)	

"With the loggings of WKRC-12 and WBAO-49 I have only 2 stations on my "hit list" of nearby (by DXers standards) stations I should have had but have never seen. They are: WRTV-6 and WQED-13.

Got a nice letter from the Newfoundland Broadcasting Co. with "NTV" symbol; NTV in a triangle, in a circle, in a square. I seem to remember a DXer in the U.K. hearing NTV and not knowing what it was (probably CJAP Argentina, 14 kw LRP--558' AAT.) NTV's address is: P.O. box 2020, St. John's, NF A1C 5S2.

If anyone else has an unided logging they think might be I.D.able, feel free to write me."

Gerald H. Barkow; 29 Sedgfield Drive, Morris Plains, NJ 07950 EDT

May 1981	Es 2000 Unided-2	28 Es 2030 WPBT-2 FL
22 Es 1922 WMAZ-3 FL	6 Es 1630 WERZ-2 LA	
2030 WPBT-2 FL	1900 WPBT-2 FL	July 1981
26 Es 1830 Cuba-3	8 Es 2000 CJON-6 NF	4 Es 1130 WEDU-3 FL
1900 WCIX-6 FL	2030 CJAP-3 NF	5 Es 1657 Cuba-6
2000 WPBT-2 FL	14 Es 1000 WPBT-2 FL	1700 WPBT-2 FL
28 Es 1600 WPBT-2 FL	17 Es 2000 WPBT-2 FL	22 Es 1700 WEDU-3 FL
1915 WLBT-3 MS	18 Es 2130 WEDU-3 FL	6 Es 1730 WPBT-2 FL
2000 WCIX-6 FL	22 Es 1700 WPBT-2 FL	1820 WREL-3 GA
2030 Cuba-3	23 Es 0830 WEDU-3 FL	2300 WQWT-6 NE
2100 WEDU-3 FL	2800 KMT-3 LA	2330 WMT-2 IA
	28 Es 2000 Cuba-3	1700 WEDU-3 FL

June 1981

"This TV DX season was another flop, continuing a trend of the last 5 years of poor Es openings. There were more openings this year compared to last but most activity was of low intensity, short duration and confined to channels 2 & 3 with only a few openings making it all the way to 6. Almost all the Es activity was from the deep South, especially the Florida area, with only a few openings to the Midwest. The 5-26 opening was a good one to the Florida & Cuba area with an exceptionally strong visual signal from Cuba-3 from 1630-1700 programming cartoons with Russian sub-titles. 7-5 produced the most intense Es opening of the season with activity at times so active that there were several stations being received on the same channel simultaneously, making I.D.ing difficult. An unided PBS station on 6 at 1745 had "visual problems" across the bottom of the screen, so possibly they were being clobbered by CCI. WPBT-2 was completely overriding local WCBS-2. I called WPBT and they were aware that they were causing severe CCI to WCBS's signal in the New York City area. They told me that WCBS's eng. dept. had called them indicating receiving reports from viewers in the New York City area of reception of WPBT. 8-6 produced 2 separate openings from two different geographical areas. A strong opening from Florida was evident from 1700-1900 with no signs of Es at 1930. But then a nice Midwest opening developed reaching all the way to channel 6. At 2200 I added a new catch to my log when a clear I.D. slide was seen for WOVW-6. This brings my totals on channels 2 thru 6 to 53. After 20 years of TV DXing I still need Texas & Thunder Bay. Lets hope next year starts a trend of great Es openings."

Steve Sprachman; 3939 Eve Drive, Seaford, NY 11783 EDT

"Another month has come and gone and the DX season is coming to an end. This month was much slower than the last two. Earlier this month Southern New Jersey provided some excitement. WRBV-65 Vineland went on in the middle of July. WWAC-53 Atlantic City went on at the end of July (July 29th to be exact). WRBV-65 puts in the better signal. They have syndicated programs during the day and STV starting at 8 p.m. Wometco Home Theatre with the barker at times. WWAC-53, from what I've seen has news at 6 p.m., a local news magazine at 6:30 and movies after that. Every time I get them, they have movies.

The DX here was good at the beginning of August and is now very quiet.

Days with Tropo: July 25,28,30,31, August 1,2,5,7,8,9,10,11,12,13,15,20,22,23. Days with Es: August 3,8.

Highlights: July 30 Tr 2000 WWAC-53 Atlantic City. 31 Tr UHF from CN to Philadelphia. Unided-64 under WNEW's W64AA. Is WSTG-64 Providence, RI on or testing?? (don't know-wd) August 1 Tr 0800 UHF--Washington, DC, Harrisburg, PA, WWSG-57 Philadelphia-finally a picture-pre-view of movies on "SelectTV". Tr 1800-2300--UHF Boston to Washington DC; all CN, and NJ stations. Also, the mysterious ch. 64.

August 13 Tr 0645 UHF Salisbury, MD and Harrisburg, PA. Unided-60; W60AM Reading, PA, tent. 15 Tr 0730-0900 UHF-20,26 DC., 16,28 Salisbury, MD; 2733 Norfolk, VA; 22,44 Scranton. 20 Tr 0645 UHF Boston 25; Springfield, MA to Philadelphia. 22 Tr 1900 Scranton 16,22,28,44; they have not been seen too often this year. "Sorry for the sloppy report. I'm using a state of NY issued pen, and they leak! I'm trying to condense my re-

port. I don't know which is better, list every thing (most of which are re-logs) or to condense it and just write out the highlights. The condensed version is easier on the hand. (This way is O.K. with me.--wd)

I'm starting my plans for next May's vacation. My destination will be New Mexico, Arizona, Southern Utah and Las Vegas. I'm driving, so I'll be able to pick up all the TV Guides. Any one want to tell me how the weather is there in early May?? That's it for now."

"Here's a long overdue report covering June 1 - August 10. (The postal strike has been a pain).

Although the Es season was rather short, Tr was not too bad. Highlight of the summer was Es reception of CBWFT7-2 Kenora, ON -- as from my home province! Is this a first - reception from ones' own state or prov!!(quebec, Texas, Calif. other possibilities??). (I can't think of any others-wd).

Recently noticed local CBLT-5 broadcasting CBUT-2 & WCBS-2 programs & T.P.'s after sign off - some body goofed (the CBC technicians strike was probably the cause). Also noticed NAC-TV audio on CBLT in July.

Finally caught CBLT ch.34 and ch.55--must be very low power! Now to DX:"

Table with columns for dates (June 1981, July 1981) and station call signs (e.g., MUF-3, WEDU-3, KIMT-3, etc.) with associated frequencies and reception details.

Eastern TV-DX

William Hepburn; continued---

Table with columns for date, call letters, and location. Includes entries for July 1981 and August 1981.

August 1981
1 GW 0150-0240 CBLT-5 with CBLT-2 EC program.

Log totals now at 215. (150 VHF and 65 UHF). P.S.-- Have now received a channel 60 three times from the West (May 30, June 6, Aug. 1). Any ideas???

George Rogers; 320 Lafayette Rd., Chickamauga, GA 30707 EDT

Table with columns for date, call letters, and location. Includes entries for July 1981 and August 1981.

August 1981

Table with columns for date, call letters, and location. Includes entries for August 1981.

October 1981

Table with columns for date, call letters, and location. Includes entries for August 1981.

August 1981

Table with columns for date, call letters, and location. Includes entries for August 1981.

Eastern TV-DX

George Rogers; continued---

Total to date, 512. Well, I did get one high band Es this season as well as a high band meteor scatter. Now I'm looking forward to the tropo season and I hope to get a 750 to 1000 mile tropo opening this September or October.

Paul Gaines; 15920 Puritan St., Detroit, MI EST-EDT

October 1980

Table with columns for date, call letters, and location. Includes entries for October 1980.

November 1980

Table with columns for date, call letters, and location. Includes entries for November 1980.

December 1980

Table with columns for date, call letters, and location. Includes entries for December 1980.

January 1981

Table with columns for date, call letters, and location. Includes entries for January 1981.

February 1981

Table with columns for date, call letters, and location. Includes entries for February 1981.

October 1981

February 1981

Table with columns for date, call letters, and location. Includes entries for February 1981.

March 1981

Table with columns for date, call letters, and location. Includes entries for March 1981.

April 1981

Table with columns for date, call letters, and location. Includes entries for April 1981.

June 1981

Table with columns for date, call letters, and location. Includes entries for June 1981.

Paul Gaines; continued---

July 1981		July 1981	
July 1981	11 1326 KETX-3 TX 1070	25 Tr 0202 WTWS 1.d. seen	on CKCO-42.
4 Es 0850 WMAA-3 FL 870	Es 1356 KOLT-3 OK 820	Es 0244 KAMA-4 TX 1100	
2013 WLSB-3 MS 790	Tr 2205 WTVO-17 IL 300	Es 1313 WCIX-6 FL 1170	
2017 WEDU-3 FL 1000	Tr 2207 WQAF-39 IL 300	WPTV-5 FL 1110	
2058 KATC-3 LA 970	2213 WREX-13 IL "	28 Ms 0330 WIGE-2 IN 475	
Tr W64AK, WTVQ	2224 WAND-17 IL 340	30 Tr 2243 WICD-15 IL 305	
5 Es 2103 KAME-5 NM 1335	2233 WKPI-22 KY 345	31 0224 Ms WIGE-2 IN 475	
8 Es 1259 KOLT-3 OK 820	12 Tr 0002 WILL-12, WTVQ-		
1300 WEDU-3 FL 1000	36, WCHS-8, WQWK-13		
1324 WCIA-6 FL 1170	14 Tr 0134 WICD-15 IL 305		
1331 ICR-2 Cuba 1410	0139 WAND-17 IL 340		
1359 WUFT-5 FL 905	Es 0245 KTVS-3 CO 1025		
1526 WMAA-3 FL 870	2252 KWGV-2 CO 1125		
1644 TN-3 Cuba 1390	0246 KDUH-4 NE 975		
2100 KACB-3 TX 1190	KOA-4 CO 1125		
2127 KAVE-6 NM 1320	0352 KANW-3 NM 1200		
2129 KRGV-5 TX 1380	18 Tr 0004 WTVQ-36 KY 305		
2127 KRIS-6 TX 1280	22 Tr 0308 WREX-13 IL 300		
2317 KENS-5 TX 1220	0320 WISC-3 WI 315		
10 Tr 0009 WICD-15 IL 305	0934 WICD-15 IL 305		
Es 0224 WMAA-3 FL 870	0936 WAND-17 IL 340		
0246 WBRZ-2 LA 930	0937 WILL-12 IL 305		
Baton Rouge	Es 0954 KRGV-5 TX 1380		
0303 KDFW-4 TX 1015	1011 KETX-3 TX 1070		
1055 KAME-5 NM 1335	1015 KATC-3 LA 970		
1131 KOAA-5 CO 1145	1053 KENS-5 TX 1220		
1158 KAMA-6 CO 1125	1126 KIII-3 TX 1280		
1200 KYCU-5 WY 1090	1130 KRIS-6 TX "		
11 Es 0330 KREM-2 WA 1680	23 Tr 0115 WAND-17 IL 340		
Spokane	Ms 0310 KWGN-2 CO 1125		
	Es 2129 KTVS-3 CO 1025		
	2131 KOTA-3 SD 995		

One of the reasons for the long report from Paul is that he was in the veterans hospital in Allen Park, MI for sixteen days. Paul's new stations have all been verified by one way or another.

It really must be wierd or nutty getting all those strange calls on channels where they're not suppose to be. I'm glad I don't live any closer to lower Ontario than I do.--wd.

William J. Draeb; Ellis St. R.R.#2, Kewaunee, WI 54216

August 1981		August 1981	
9 Es 0000 KPDX-3 TX t	17 Tr 2002 KTVJ-16 MO 633	18 Tr 0513 WPGH-53 PA 480	
2005 KANW-3 NM	KOKI-23 OK 725	0532 WFMJ-21 OH 420	
2030 KMID-2 TX	Tulsa	WYTV-33 OH "	
Tr 2030 WPTT-22 PA 480	KGCT-41 OK 725	WPCB-40 PA t	
2250 WCET-48 OH 400	Tulsa	WTVQ-36 KY 473	
10 Es 2009 KTVQ-2 AT	KAUT-43 OK 820	KHMA-41 MO 525	
KRTV-3 MT	Oklahoma City	WDRB-41 KY 437	
KOUS-4 MT	KGMC-34 OK 820	WBHT-25 IN t	
2031 KFBB-5 MT	KBMA-41 MO 525	0552 CBLT-44 ON 458	
11 Es 0008 CFAC-2 MO t	KYFC-50 MO "	KTVJ-16 MO 633	
CFCN-4 AT t	KIVP-29 AR 683	0755 KGMC-34 OK t	
Tr 0730 WFIL-14 IN 420	KGTO-36 AR t	KGBJ-17 MO 450	
WEHT-25 IN "	KOKH-25 OK t	KOZK-21 MO 589	
14 Tr 0635 WFMJ-21 OH "	2050 WKYT-27 KY 473	KMTC-27 MO "	
WYTV-33 OH "	WTVQ-36 KY "	KDNL-30 MO 432	
WKYT-27 KY 473	WCET-48 OH 400	1917 KOKI-23 OK t	
WPTT-22 PA 480	WDRB-41 KY 437	KGCT-41 OK t	
WSEL-35 PA 405	2154 WKLE-46 KY 473	1958 KAUT-43 OK t	
WPGH-53 PA 480	WBTT-64 OH 400	2050 KHLN-36 IA 457	
WJET-24 PA t	2207 WSVN-47 VA 587	20 Tr 0713 WGLN-54 PA 405	
1944 WTVQ-36 KY 473	2050 WKSO-29 KY 538	WSEE-35 PA "	
WKLE-46 KY "	2207 W47AB OH	WJET-24 PA "	
KDNL-30 MO 432	2300 WKYC-57 KY 551	WTVQ-36 KY 473	
16 Es 2016 WLSH-2 FL t	WPTT-22 PA 480	0729 KDNL-30 MO 432	
17 Tr 0813 KOZK-21 MO 589	WCTE-22 TN 589	24 Tr 0556 Youngstown U's	
KMTC-27 MO "	18 Tr 0513 WKEN-27 OH	WPGH-53 PA 480	
0818 KDNL-30 MO 432	Tr 0513 NHTG-27 MO 589	WKYT-27 KY 473	
0823 KCBJ-17 MO 450	WPTT-22 PA 480	(more next month-wd)	

WTFDA CLUB DXING STANDARDS

(Editor's Note: By popular request, we present a reprint of WTFDA's guidelines for computing TV-DX distance records and scoreboard totals. These guidelines last appeared in the VUD in January of 1978, and are the standards used by top DXers in the club. If you claim a distance record, or count your station totals, these are the "rules of the game." We invite members to discuss these standards; recently, some have proposed modification of them. In the meantime, here they are, as outlined by Glenn Hauser, former WTFDA STATISTICS editor, and a well-known DXpert. -bt)

1. A TV station received on more than one channel (when it changes channels, but retains its identity) may be counted once for each channel, excluding changes in offset on the same channel. Simultaneous reception of the same station on more than one channel is usually a receiver problem only, though you may present evidence to the contrary. An FM station may be counted again when it deliberately changes frequencies, or varies more than 100 kHz from its normal frequency. The DXer should be certain he is not counting receiver images or mixing products.
2. Stations operating successively on the same channel in a single city that are clearly unrelated (i.e. with different call letters and a hiatus in occupation of the channel, or non-renewal of the first station's license, such as WHDH and WCVB) are counted as separate stations.
3. A move in a station's transmitter location does not allow it to count as a new station unless the city of license also changes. Thus, a station starting in a small city and later moving both transmitter and identity to a larger city, if received during both phases of operation, will count twice. Stations moving antenna from downtown to suburbs, for example, with no change in the city of license, count only once.
4. A change in call letters per se is not sufficient reason to count that station as new, whether or not a change of ownership is involved in a continuously operating station. Power level or changes in power alone shall have no bearing on these guidelines.
5. Sharetime stations (e.g. WFBT and WTNS) count as one if they share their transmitter; individually if they have separate transmitter sites.
6. DX received via CATV may be covered if the station was received off the air on its original frequency at the CATV headend, from which distances must be measured. Totals including CATV should be so specified.
7. The precise location of the transmitting antenna of the station shall be the determining factor in computing the DX path distance and tallying the number of political units received.
8. Verification is not required; however, contributors must be reasonably certain that all stations claimed were received. Those totals limited to verified only should be labeled as such.
9. DX obtained by recording only, and not witnessed at the actual time of reception, is eligible--so long as the contributor himself chose the frequency and prepared the recording apparatus. When more than one DXer is present at a DX reception, even as a visitor to another DXer's shack, only those having an active part in the reception may claim the DX.
10. Any station licensed to broadcast on the FM or TV bands is eligible, but transmissions outside the 54-108, 174-216 and 470-890 MHz bands is beyond our scope. Translators and experimental stations, as well as unlicensed outlets such as pirates and clandestines, are eligible. Harmonics of TV video signals are eligible if they fall within another TV band, and those of FM stations are eligible if the harmonics fall within the FM band. But utility stations monitored on FM or TV, and CATV radiation, do not count.
11. Any DX received within a 50-mile radius of a DXer's primary location may be included in scoreboard totals; but if more than two locations are used, all must be within an equilateral triangle 50 miles on each side. Include all stations eligible and monitored in scoreboard totals, whether "local" or actual DX.

INTERNATIONAL NOTES from

Ken Simon
513 6th Avenue South
Lake Worth FL 33460

Official news from CUBA is hard to get...so I must resort to a semi-official source, "Area Handbook for Cuba," from the Superintendent of Documents. Research completed March 1970...not band--only 11 years old.

In late 1968, TeleRebelde was established.

Stations listed as of 1968 are:

ch 2 -- Ciego de Avila	16 kw	8 kw
2 -- Santiago de Cuba	14	?
3 -- Holguin	27.5	13.25
4 -- Habana	125	62.5
4 -- Camaguey	56	28
5 -- Santa Clara	25.4	?
5 -- Santiago de Cuba	16	?
6 -- Habana	125	62.5
6 -- Camaguey	125	62.5
7 -- Baracoa	30	5
7 -- Ciego de Avila	18.5	9.25
7 -- San Cristobal	58	?
8 -- U.S. Navy Guantanamo	0.2	?
8 -- Holguin	10	5
8 -- Santa Clara	24	4
9 -- Matanzas	29.3	14.7
11 -- Matanzas	42	?
12 -- Pinar del Rio	61	?
13 -- Guantanamo (Loma de Cueva Arriba)	24	4
13 -- Matanzas	30	?

In 1969, the book says there were 27 FM stations!!!

By the time you read this I'll be back from Aruba and Curacao, NWI. Hope to have all info on FMs and TVs.

France has joined the world of free FMs according to the Associated Press. It says in Paris there are 5 government stations and 27 illegals. A bill is being drafted to set legal limits for these stations.

During a recent Es opening I managed to log some foreign language broadcasts. I notice the French CBC is only IDing "Radio Canada." Also heard a program in Hindi...no, it wasn't Bombay...it was KUHF 88.7 Houston, Texas, with "Taj Express."

INTERNATIONAL NOTES

October 1981

A recent issue of the OAS's "Americas" reports that Chile's Easter Island has TV...no channel was mentioned but the article says TV is keeping the natives "off the street."

Britain's IBA has had some changes. Two commercial TV companies, Southern and Westward, have lost their contracts with the IBA. In 1982 they will be replaced by South and South East Communications (TWS), and Television South West (TSW). Their contracts will run through 1990. Breakfast TV is slated for 1983. Also, the BBC is phasing out its VHF 405-line B&W service...this of course will mean an end to F2s!

AT RIGHT: the SABC
(South African Broadcasting
Company) FM & TV Tower, in
downtown Johannesburg.

--Courtesy of Peter V. Taylor,
San Francisco, CA

YOUR GUIDE TO FM IN CENTRAL & S. AMERICA!

ONDAS FM

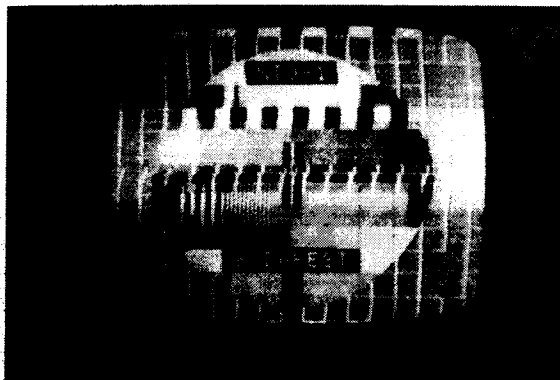


STILL AVAILABLE FROM WTPDA HQ!!!



EUROPEAN TEST PATTERN UPDATE

by FRANK LUMAN



MTV-1 Budapest, HUNGARY

I noted with interest "A Look at European Test Patterns" on page 28 of the June 1981 issue of VUD. I became interested in TV DX while studying in the U.K., being a native of Colorado. I became a TV DXer over in Scotland (a state of the United Kingdom or Britain --not England) and am very familiar with EUROPEAN test cards.

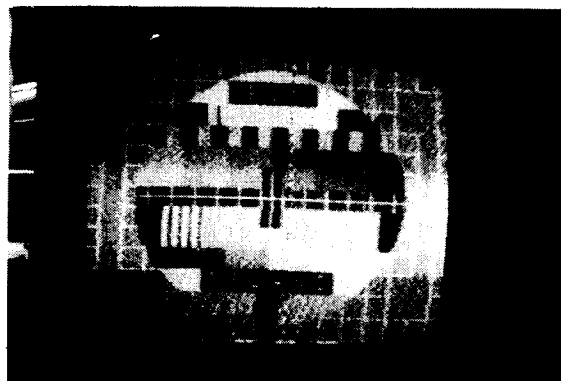
This F2 cycle has been very good for many and these patterns would have been very helpful, especially for the East Coast DXer, except for one fact --most are out of date by

many years. Two types of electronically generated test cards are used by most of the European TV companies. The first is the Philips (as in NORELCO) PM5544, and the second is the German FUBK card (FUBK--FUNKBETRIEBSKOMMISSION). Both are transmitted in PAL colour, ALWAYS THE SAME COLOUR as opposed to North America's NTSC, even via sporadic-E at 1100 miles.

It is true that RTP used the E card, TSS the 0249, BRT/RTB and YLE the cards featured on pages 28-29 of the June VUD.

Here are some "patterns" that are at most, 2 years old, and in many cases current.

Included are MTV-1, Budapest, HUNGARY--PM5544; RUV, ICELAND--PM5544 (a possible for double hop on the East Coast--maybe even single hop); DDR TV1 EAST GERMANY, JRT ZGRB 1, Zagreb, YUGOSLAVIA--German FUBK card; TVP, POLAND--similar to PM5544.



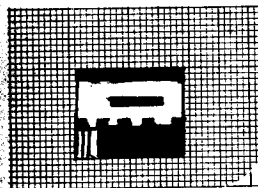
RUV ICELAND

EUROPEAN TEST PATTERN UPDATE

Koith Hamer is publishing a second edition of his test card book. Another publication very useful to European TV DX is the Station Guide put out by the EBU (European Broadcasting Union).

Roger Bunney, 33 Cherville St., Romsay, HAIFTS., ENGLAND, will be very happy to provide info about both these publications, plus a third, the column appearing monthly in the trade publication, "Television" by IPC, which he writes.

RTP now uses a FUBK card, BRT/RTB uses a PM5544, YLE use a FUBK card, and TSS (RUSSIA) uses an electronic card called an "EZO" and a card that looks like this:

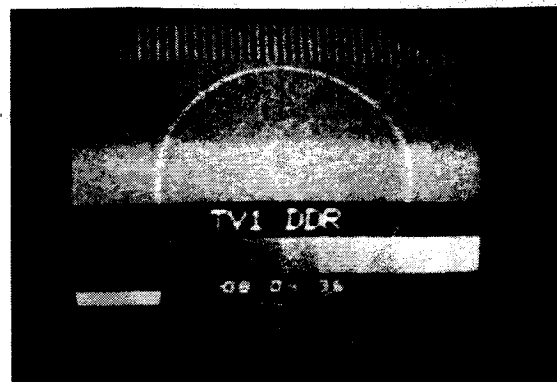


white lines ↑

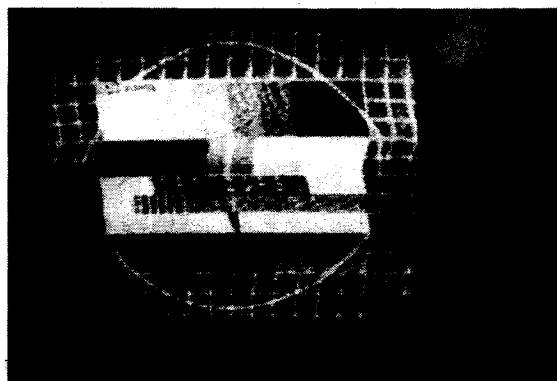
Station ID is hard enough, even with up to date info.

I trust these comments will help fellow enthusiasts geographically fortunate to get Europe!

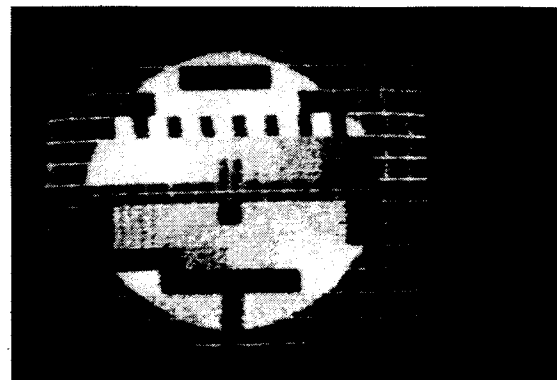
TVP, POLAND



DDR TV 1, EAST GERMANY



JRT ZGRB 1, Zagreb, YUGOSLAVIA



IN SEARCH OF



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 radio common carrier pagers which may be either voice and tone or tone only. You might also note that a good number of these pagers identify in morse code.

paggers

43.22

KBU-214 Cullman, AL
KMD-986 Cullman, AL
KMD-342 Fresno, CA
KMB-309 Los Angeles, CA
KMM-640 Mountain View, CA
KMD-986 Sacramento, CA
KUC-881 Denver, CO
KCC-802 Waterloo, CT
KWU-200 Delray Beach, FL
KIN-645 Miami, FL
KWU-335 Tampa, FL
KTS-269 Atlanta, GA
KWU-302 Ames, IA
KUQ-565 Alton, IL
KDS-449 Mt. Vernon, IL
KSU-898 Baton Rouge, LA
KCB-890 Fall River, MA
KGI-277 Prince Frederick, MD
KRS-665 Agamenticus, ME
KQK-772 Flint, MI
KSU-921 Detroit, MI
KSU-963 Jackson, MI
KSU-921 Southfield, MI
KIF-538 Independence, MO
KCI-295 Manchester, NH
KAA-810 Nashanic, NJ
KEC-521 Buffalo, NY
KEC-745 Bronx, NY
KEK-269 Rochester, NY
KEK-294 Schuyler, NY
KLF-476 Cincinnati, OH
KWU-219 Columbus, OH
KWU-243 Lancaster, OH
KWU-269 Rainer Hill, OR
KFL-656 Salem, OR
KUC-634 Columbia, PA
KGC-223 Philadelphia, PA
KWB-386 Philadelphia, PA
KWU-262 Galveston, TX
KWV-252 Tyler, TX
KWH-302 Salt Lake City, UT
KCI-295 Ascutney, UT
KWU-530 Spokane, WA
KOP-258 Tacoma, WA

43.58

KWU-356 Walker, AL
KOH-230 South Mountain, AZ
KMB-986 Sacramento, CA
KMB-309 Los Angeles, CA
KGA-806 Washington, DC
KIE-367 Miami, FL
KLF-662 Clearwater, FL
KIE-300 Atlanta, GA
KSD-788 Alado, IL
KSC-644 Chicago, IL
KDS-797 Galva, IL
KDS-784 Rochelle, IL
KWU-536 Donaldsonville, LA
KCB-840 Boston, MA
KGA-807 Baltimore, MD
KQL-884 Detroit, MI
KSU-993 Minneapolis, MN
KUO-556 Clayton, MO
KAF-245 Kansas City, MO
KEF-267 Fishkill, NY
KEC-518 Iona, NY
KWU-350 Johnstown, NY
KEC-516 Le Fayette, NY
KEA-627 New York, NY
KEC-518 Rochester, NY
KQC-881 Cleveland, OH
KUC-956 Columbus, OH
KRM-949 Middletown, OH
KWV-245 Toledo, OH
KUA-287 Portland, OR
KDS-976 Linn, OR
KWV-325 Allentown, PA
KGI-782 Ephrata, PA
KGA-804 Philadelphia, PA
KGC-223 Philadelphia, PA
KGA-805 Philadelphia, PA
KWT-967 Pittsburgh, PA
KKG-501 Houston, TX
KKU-251 Houston, TX
KWH-302 Salt Lake City, UT
KUS-349 Hampton, VA
KCI-295 Harrisonburg, VA
KSC-373 Milwaukee, WI