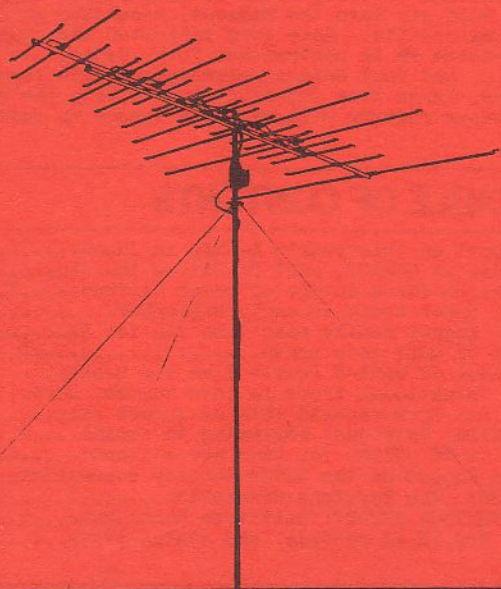
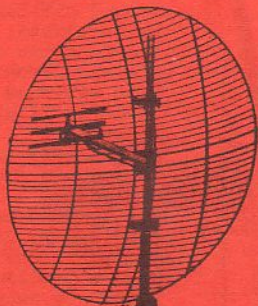


VHF-UHF DIGEST

the official publication of the Worldwide TV-FM DX Association

OCTOBER 1979

- Canada's VHF weather outlets
- Keeping up with F_2 conditions
- 1979 Convention report
- Super tropo DX



From The Staff:

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

UHF TV TRANSLATOR GUIDE... WTFDA's new translator listing is now ready for TV DXers. WTFDA member price is \$2, nonmember price at \$3 per copy. Many UHF TV translators are now operating in the U.S., and there have been many changes since the last edition, so order your copy today!

A SOURCE FOR FOREIGN TV RECEIVERS?... If you've been looking for a foreign standard TV set, this may be of help. WTFDA NEWSWIRE editor Morrie Goldman passes word from member Armand DiFilippo that Azam Electronics, 2226 Market Place, Philadelphia, PA 19103 may be able to supply you with one. Azam's phone number is (215) 963-9449. If you're contemplating purchase of a foreign standard TV, be sure it will tune the Band I channels (such as E2) that are likely to be seen via F2 skip. Many new foreign sets now cover only UHF.

COLUMN NEWS... John Combs reports that time problems have prevented him from doing a FCC TV column this month...Mike Hogan was unable to put together a planned column for this issue due to both lack of time and lack of reporters. For the next issue, he hopes to run a Total Stations Seen listing, and plans VHF and UHF TV DX records for the December VUD, with a deadline of November 5th. Support your TV Stats column by sending a report to Mike today!

CONVENTION BIDS... Here's a reminder for anyone interested in hosting the 1980 WTFDA Convention. The deadline to get a bid in to HQ is November 1. Act now!

SEPTEMBER SUPER-TROPO... Apparently due to the influence of Hurricanes Frederick and David, wide areas of North America went through several periods of super tropo ducting last month. The hurricane activity seems to have pushed large masses of warm Gulf air into the Midwest, resulting in some truly astonishing results. Late word indicates such super catches as Minnesota FM in central New York, Georgia to New Jersey UHF tropo, and Paul Gaines' already-verified logging of WFAA-8 Dallas, Texas from Detroit! That's only the beginning--more super reports will probably appear in future issues.

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MAILBOX

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

New Members:

Mike Agner	c/o Delphi Associates 17 New England Exec. Park 1618 Chester Blvd. 1851 Linda Rosa Ave. 79 Ridge Drive P-66, Sector VIIM, CIT, (Opp. ESI Hospital) 14 Lloyd Lane 880 Bertha Ave., Lot 12 756 221st St. 5900 N. Washtenaw Crawl	Burlington, MA 01803 Richmond, IN 47374 Los Angeles, CA 90041 Toronto, ON M4T 1B6 Calcutta, W. Bengal, 700 054 India Nesconset, NY 11767 Portsmouth, OH 45662 Pasadena, MD 21122 Chicago, IL 60659 Hamilton Parish 212, Bermuda
David Brumfield		
Fred Bstandig		
Saul Chernos		
Dr. Swapan K. Chowdhury		
Ian Meyers		
David Moody		
William Staubs		
Mark Strickert		
Harry D. Virtue		

Renewals:

Robert Baxter, Alex Berman, Phil Bytheway, Doug Everitt, James Filler, Robert E. Fischer, Ronald Ginardi, George Greene, John Guiney, Ed Kowalski, Robert Kramer, Paul Krueger, Takahito Miki, Kurt Nelson, William Palmer, C. Hooper Phillips, Ted Pinski, Jari Pitkanen, Dr. J.J. Rosenberg, Robert Ross, Chuck Sampson, Mark Saran, Peter Sawatzky, Randy Schnepf, Marvin Shults, Edward Sirovy, Richard Stein, Wayne Thompson, John Walters, Larry Weil, David Wilson, Michael Wimer, Bill Wurtzel.

Rejoin:

Thomas Little-2147 Chelmsford Lane-Toledo, OH 43614

Address Changes:

Leo Boehl-207 N. Wheeler-Grand Island, NE 68801
Danny Buntin-1312 N. Skyline-Stillwater, OK 74074
David Legler-354 W. Wadsworth Hall-Michigan Tech-Houghton, MI 49931
John Pilger-7833 Statesman St.-Severn, MD 21144
Chuck Sampson-Box 158-Ophion, IL 61468
Ken Sarkozy-1341 Grand Ave.-Kalamazoo, MI 49007
John Sulak-1997 Foster Road-Hatfield, PA 19440
Wayne Thompson-Route 4, Box 156-Silver Springs, FL 32688
David Wilson-237B E. Summit St. (back)-Kent, OH 44240
Roger Winsor-2610 W. 49th Ave.-Hobart, IN 46342

Renewals Due in November:

E.W. Battin, Leo Boehl, Perry Ferrell, Robert Foxworth, Robert Grant, Richard Hawkins, Roy Horsley, John Jefferson, Jack Kaucher, Michael Koronka, Deane McIntyre, Mike Mitock, Dave Pomeroy, Thomas Yeazell.

New member MIKE AGNER is a 22 year old programmer who's into SW, utility, and FM DXing. He's a member of NNRC and NASWA, and edits the Antenna & Accessories column in NASWA's magazine, PRENDX. DX gear in Mike's shack includes a Philco B730E B&W TV, a Panasonic RP2200, and a stereo tuner. He says, "I'm just getting into FM DX, as I was recently introduced to it by Dr. Bruce Elving. I hope that by joining WTFDA I can learn more about FM DX and what makes it happen." More from Mike in Tidbits.

Many thanks to Northern FM DX editor Ralph Strobel for getting DAVID BRUMFIELD into WTFDA. Ralph gives us this rundown: "Dave is 24 and received his BS degree in music education two years ago and was a high school band director in Lynn, IN the following year. Last year he returned to Ball State to work on his masters degree. He is very much into electronic music, performance, and studio recording techniques. A member of Muncie, Richmond, and Marion Symphonies, Dave is an outstanding bass trombone player. A rundown on his equipment (which has given good results) includes: Marantz 2270 receiver, Winegard antenna at 35' with XL-1 Cornell-Dublier rotor. Since December 1978, Dave has logged 277 stations. I called him a number of times when Es or good Tr was evident. He even found stations I've never found! As you can see, Dave's main interest is in FM."

SAUL CHERNOS lists the following among his DX equipment: Sony TFM-1102 AM, FM, marine band receiver with rabbit ears, a Sony AM-FM digital clock radio which he hooks up to an outdoor antenna, and a Channel Master rotor, model #9512A. Saul also belongs to the Ontario DX Association.

From India comes medical doctor **SWAPAN K. CHOWDHURY**. He's into EBCB, SW, ham, utility, and TV-FM DXing, and belongs to ASWLC and IDXCI. His CB call in India is 'Talkie 490', and he'll soon be getting his ham call. Swapan lists his DX gear as an AR-88, BC-1004-C, and VEF.

An IRCA member, **IAN MEYERS**'s DX gear includes a Panasonic RF-2200, a Technics SA-400 receiver, a Winegard booster/preamp, and an Archer stereo supreme antenna (FM) mounted on a rotor 22' above ground.

Buckeye state new member **DAVE MOODY** is a broadcast technician at WPBO 42 Portsmouth OH, and has ham call AA8H Extra Class. Dave uses a Sony TV, and says his UHF antennas (with preamps) are mounted at 420' and 560' (on the WPBO tower?).

Baltimore member **Don Blevins** is to thank for getting **WILLIAM STAUBS** in WTFDA. He says, "This membership results from my visit to the convention and my meeting Don Blevins. I first learned of the group in the RCMA Newsletter and contacted Don by phone. He invited me to visit with them at the convention." William is a newspaper compositor, and also owns Sentinel Police Supplies company. He's into PSB, owns various scanners and recorders, and trades tapes of fire traffic with friends in several areas of the country.

Chicago Area DXer **MARK STRICKERT** joins the growing number of CADXers in WTFDA. He also belongs to NRC, GWDXA, IRCA and AIDX. Mark DXs with a Panasonic RF-2200 with an Archer rabbit ears antenna. He's an active aircheck collector, and also collects bumper stickers from radio stations.

Wrapping it up this month, we introduce new member **HARRY D. VIRTUE**. Harry is employed by the phone company, and lists EBCB, SW, utility, FM, TV and PSB among his DX interests. His DX gear includes a Sony 9" Trinitron TV, an Archer V-185 antenna, an Archer Servo-Rotor, a Sansui QRX-5500 receiver, a Bearcat 101 scanner and a PSB ground plane. He also belongs to NRC and IRCA.

Tidbits.....

In the People on the Move department- congratulations are in order for Paul Petosky, who's now the general manager at WIDG 940 St. Ignace MI. Congrats also to Mark Lewis, who was married in July. And Ken Simon was on the road also, visiting Mexico September 11-22. Look for a lot of good LA information in International Notes.

Good news from Chuck Sampson: "I was ordained last June and am pastor here in Ophiem (Grace Lutheran Church; note new address on page 3). My antennas are on a temporary mast at about 25'. Yesterday (8/30) brought in surprising tropo from the NW, with several new high band loggings from the Dakotas and 19 Norfolk NE. My log is now at 286. My old Orion location is only 6 miles north of here."

A couple members are still looking for back issues of the VUD. John Walters (RD 3, Acorn Drive, Vincentown, NJ 08088) wants the following: June, November and December 1972, April, September and October 1973, and January, February and March 1977. John says he's willing to pay any reasonable (maybe even unreasonable) price to complete these issues. Also in the market is Michael Hollis (3623 Spanish Trace Drive, Hephzibah, GA 30815), who writes, "I noticed in August '79 VUD, under the Mailbox column, that Rick Sanford was able to obtain VUD back issues from 1970 to 1973. I'm looking for these same back issues (1970-1973). I thought they were impossible to get. Also, I have the following back issues for anyone who is interested- (3) July 77, (1) May 77, (1) June 77, (2) August 77, (2) September 77, (2) October 77, (3) November 77, (3) December 77, (1) January 78, (1) February 78, (2) March 78, (2) April 78."

Ronald Ginardi has done some work in his DX shack: "I have upgraded my equipment since I last wrote. I now have a Realistic TM-1001 tuner, quite an improvement over the old Sansui 800. Now, Radio Shack has the tuner on sale for \$60 less than I purchased it. The specs are decent, and it has a narrow bandwidth switch that really helps alternate channel reception 4 miles from a 100kw. Also, the Channel Master 4408 is quite an improvement over the Finco FM-5. Selectivity is excellent. TV system still needs improvement. I will try to report to the various columns later this year." TM-1001 is being discontinued, and is "sold out when gone". If you live in the east or midwest and your local RS is out, tell them to try the Garden Grove CA warehouse for it.

From Magic City (Muncie IN) we have these words from James Filler: "The last two years both E-skip and tropo have been very poor, with only a few small openings, but I have picked up new equipment hoping for better openings. I now have a 12" Admiral color TV and a 12" Sears TV that pick up stations 100% of the time from over 150 miles VHF and 100 miles UHF on the whip and loop. I also raised the antenna 20', allowing some weaker openings to come in."

As promised, Mike Agner shares these words of wisdom: "The reason I joined is twofold: one, the reputation of your organization is impeccable; two, this is a very new field to me (that is FM/TV, et al, DX), and I couldn't think of a better club to join to learn more about what makes DX go on this end of the spectrum. My primary interest in this end of the DX spectrum is FM DX, to which I was introduced by Dr. Bruce Elving and Clarke Ingram, two gents whom I met at past ANARC conventions. Presently I use an RP2200 with rabbit ears; this has netted me a couple of goodies, the best being 90.9 WMEH Bangor, Maine, in tropo mode. I live in an apartment, unfortunately, and putting up antennas of any kind is like trying to scale the Great Wall. But so far, things have been working out OK. Has anybody had any success using electronic antennas, such as the Archerotor by RS (for TV DX?)(Archerotor is a rotor, not an antenna-jz) and the B-I-C Beam Box handled by Lafayette? Comments, gents (whoops, ladies invited too, hi)? Is there any room for a column(s) (or a modification of an existing one) for aero DX (that is, the 108-136 MHz band)? I realize that this is neither TV nor FM (aeros usually transmit in AM), but it seems to me that a lot of DX could be had by people with the right gear; after all, when you speak of height above ground for a transmitter, you can't get any higher without going into space, hi. This is an area of particular interest to me, as I plan in the near future to buy a scanner with the aero band included. This is because I live very close to a major flight pattern for Logan International Airport, and when I listen on SW to aeros (in the 8 MHz band, in particular) it sounds interesting, especially when I can hear airplanes from the Mediterranean calling Jeddah or Dakar; QRP this definitely is! Thoughts? (use the VHF Utility DX column-jz) In closing, I would like to introduce myself. I am a computer programmer working for Delphi Associates (a sister to Arthur D. Little) in Cambridge. I am presently an editor for NASWA (joining such esteemed people as Glenn Hauser and ex-ed Dave Walcutt - hi gents!), and am also a member of the NNRC. For me, FM and other forms of DX outside of SW and utes are somewhat of a tinkerer's world for me, although joining this club would change that! My thanks to all, and a big hello to all, especially those who live near me. People who wish to correspond on a local level from WTFDA (and other clubs, too!) will find a willing pair of ears!"

Now let's get some interesting comments on Oklahoma TV from David Rogers: "I thought some readers might be interested in the translator set-up the Oklahoma Educational Television Authority has in the works. There are four main stations- channel 3 (Tulsa), 11 (Tulsa), 12 (Cheyenne), and 13 (Oklahoma City). The signal is supposed to be brought to Northwest Oklahoma and the Panhandle by a series of UHF translators picking up KWET, channel 12, Cheyenne, Oklahoma. The channels for Northwest Oklahoma are 58 (Buffalo), 56 (Beaver), 16 (Guymon) and 55 (Boise City). The Buffalo translator is supposed to pick up KWET direct, while the signal will be microwaved into the Panhandle (for the other translators). The system is operational at present, except for the Buffalo translator (actually located on a high hill about 7 miles SW of Buffalo). The problem is that there is an existing translator on channel 12 in Gage, Oklahoma. Gage is between Buffalo and Cheyenne and on nearly a direct line. So what happens is that the Gage translator (running 1 watt) puts such a "bead" on the picture that the Buffalo tower picks up to make the signal from Cheyenne unuseable. The OETA claims efforts have been made with the FCC for quite some time to get the Gage translator off the air or moved to another channel (probably 13), but so far no luck and no educational TV for this part of Northwest Oklahoma. The system going into the Panhandle is operational because they pick up Cheyenne at a closer point and microwave the signal on. I thought a translator like the one at Gage had a low priority status and was subject to being "bumped" by a regular station like KWET in Cheyenne, but apparently not because they haven't been able to get them off channel 12."

From the other side of the world, Tanio Sugihara fills us in on DXing in Japan: "This time I will tell you about my Es results here this summer. I see in the VUD several members in North America complain about the bad Es conditions this year. It's so here in the Far East, too. We are having slow Es, and I have not noted many and long openings. Even though, when it happened I got a couple unusually good DX catches. Probably the problem was that such extremely nice DX openings did not occur so often. I listen to FM most. China has now become very good Es target from my country. It seems they are using 92-108 MHz range for their FM. More and more stations have been constructed in recent years, and still this year I could note number of new stations and frequencies. Their broadcasts are all in parallel MW/SW/VHF, it seems. This summer I logged People's Broadcasting Stations of the following provinces: Heilongjiang, Jilin, Liaoning, Hebei, Central (Beijing), Inner Mongolia, Shanxi, Shandong, Jiangsu, Zhejiang, Anhui, Fujian, Henan, Hubei, Hunan and Shaanxi. These are all at distances within about 1,250 miles from my location. We are still missing complete frequency list of those Chinese FM stations. And as I don't have any frequency counter, it's regretted that I cannot give any information on exact frequency of these stations. In Taiwan we have following stations on FM: Broadcasting Corporation of China (BCC), Educational Broadcasting Station (EBS), Military Broadcasting Station (MBS), Police Broadcasting Network (PBN), and International Community Radio Taipei (ICRT). The last one, ICRT, is the station which succeeded American Forces Network Taiwan (AFNT) at 1600 GMT on 15 April this year, and is using the transmitters left by AFNT. Taiwan stands around 780 miles from me. Another good one is Hong Kong, which is about 1435 miles from my location. Radio Television Hong Kong (RTHK) on 91.0 MHz (English) and 94.0 MHz (Cantonese) were received on 14 July. I'm receiving these stations only once a year. In 1977 they were heard on 18 June, and in 1978 on 4 July. Though I find some other reception reports to the VHF column in Tampa, so there have been more openings. And so at last I noted definite double-hop Es. It's my ever greatest DX on FM- Thailand!!! At 0145 GMT on 13 August I was hit by one station speaking South East Asian language. First I thought it could be a harmonic of Radio Peking, but I didn't hear any Chinese FM at that time, and soon I heard that the station played advertisements or public information! And very strong and clear ID several times was heard, too! I recorded it, and the ID sounds to my ear like "Yor Por Tor FM". So there is now no doubt, it was Thai FM! The signal faded out at 0203 GMT. Frequency was 90.5 MHz. It's around 2,500 miles. The exact mileage cannot be given, as I don't know where the station is located in Thailand. Before this another mysterious reception was done, too. It was at 0903-0917 GMT on 23 July. I heard unusual stations on 92.5A, 94.9A and 99.5A MHz. They were all playing popular songs sung in English. Only on 94.9A MHz I could hear announcements in English! But it's rather unreadable, because the male announcer had a low voice, and fading and noise. At that time on 6m amateur band I could note stations in Hokkaido were coming in by Es. Hokkaido stands in the direction of northeast from me, and I thought about probability of multi-hop Es to that direction, yes, North America. I asked JAJRJU, Mr. Kazuo Ogasawara (SMIRK 448), who is one of the leading DXers of 6m here in Japan, and is the 6m editor in "CQ Ham Radio" - a Japanese amateur radio magazine, about the conditions on 6m on that particular date. He answered me that there was an opening to Thailand about 6 hours before my reception, but no signs from North America. If the conditions were open to the southwest, they could probably be signals from the Philippines. Philippine stations often use English. It's still unknown what they were, though. Has any North American DXer noted any mysterious signals on that day? Here in August 6m amateur signals from Australia are already coming in with S-9+++ strength. We are now already in P2 season. FB DX to you."

And from out west, John Jefferson shares these thoughts (John recently moved to Pleasanton CA, as noted in September VUD): "So far, the move seems to have been OK for FM DX, but definitely bad for TV. It was forced by work, as I was commuting 60 miles each way daily (it's still 40 each way, but anywhere closer would be a DX disaster). There are two strong FM's here, but at 101.7 and 107.3, they're usually above the Es MUF, at least so far this season. In Concord, there were very strong signals on 92.1 and 94.1, plus additional problem stations on 97.3, 98.1, 102.1, and 106.9. On the debit side, a lot of stations seem a little stronger here. As for TV, I finally bought a TV antenna after (cont.)

(Jefferson, cont.) 20 years as an FM-only DX'er, and promptly discovered the bad news - it can't eliminate the locals on 2, 3, 4, 5, or 6. Only open channel is 12, and I'm not holding my breath for E-skip up there!"

Good to have Jim Ayers aboard for another year! He writes, "I most heartily renew my membership for the coming year. I have high regards for the club and I promote it to DX friends here in Mississippi when possible. I have a toll-free telephone WATS line with which I keep in touch with Mississippi friends and with radio stations within the state. The feature articles in the VHF-UHF Digest are outstanding. I have never reported to the loggings columns, unfortunately, because I don't keep the hour and minutes that I receive a station. I keep the date, but not the time of day. I just never have gotten into the habit of keeping minutes. If it wasn't for having to have minutes with the loggings, I would report often. Good luck to all the crew there in Whiting, in my old home state of Indiana."

Well, looks like we have a couple more WTFDAers on the move. Ralph Strobel was on the road this summer: "I attended the International Double Reed Society Convention at Ohio State and was gone from August 19-23. It is doubtful I missed any decent DX, as it rained those days quite a bit here, as well as in Columbus. The convention was fantastic as usual. Next year it will be held in Scotland. If I go and take in the entire tour to Vienna, Salzburg, Paris, London, and Edinburgh, I would have to leave here August 1, 1980. I suppose that would mean missing the WTFDA convention, unless it is a few days before August 1, which I am hoping for. Naturally, I would love to attend both of these worthwhile gatherings! I'm afraid that if I don't get to Europe next summer I'll never get over there. It would be nice if dates would permit me to attend both." Ralph, as you may recall, is an oboist, which is why he attended the Double Reed Society convention. He was in Baltimore for the WTFDA convention. You can't miss Ralph- his Indiana license plate reads OBOIST. Along with Ralph, Ron Schatz was travelling in July along the northern route of the Trans-Canada Highway on his vacation. Unfortunately, Ron lives in an apartment that forbids outdoor antennas, so he's not able to do as much FM-TV DXing as he'd like.

A big welcome back is in order for Thomas Little! He rejoined the club after a short absence. If there's someone in your area you'd like to get into the club, drop us a line at HQ and we'll send that individual a sample VUD and other information. If you'd like to distribute a few brochures to your friends, send a SASE and we'll send you a few. It might be trite, but it's true- this club depends on your support. We're now approaching the 400 mark in membership, which we expect to pass by the end of the year.

FCC FM News editor Bruce Elving is now teaching at Kearney State College in Kearney NE. His new address is Box 251-KSC, Kearney, NE 68847. Bruce is living in an apartment now, but hopes to buy a home soon and move Carol and the kids to Kearney. Incidentally, congrats go out to Bruce and Carol on the recent birth of their third little one. Bruce is manager of KOVF at KSC, and one of his first jobs is to get a power increase for the station. KOVF is now 10w, and Bruce is hoping for 100kw (more power to you, hi).

Finally, we have this announcement on the World Radio-TV Handbook from Don Erickson (6059 Essex St., Riverside, CA 92504): "The \$11 pre-publication price on WRTVH 1980 will expire on October 20. After that date, the price will be \$13. A number of copies of the 1979 edition of WRTVH are still available at \$14 postpaid. Any copies that remain after November 1, 1979, will be closed out at \$9 each postpaid, first come, first served. All orders should contain a SASE for confirmation after shipment has been made and should be mailed to: Don Erickson, 6059 Essex St., Riverside, CA 92504. (Delivery of the 1980 edition, to be air freighted from the London printers and re-shipped UPS from Riverside, CA, is expected between March and May 1980; all profits will be turned over to the Handicapped Aid Program)."

Well, another big column this month....keep it up, gang! DX has been great here, hope it's the same for all. See y'all in November.....

.....73.....jz

F₂ SKIP--WHAT CAN WE EXPECT?

PART 2 OF 2

In the first part of this series, we pointed out that the best DX conditions of the last 20 years or so will shortly be taking place on the lower part of VHF, the 30 to 50 MHz band. Hopefully, even frequencies up to 60 MHz or higher may open up to worldwide DX on occasion.

Some propagation experts believe that the present cycle of solar activity has already reached its peak, and others maintain that the peak is yet to occur. Fortunately for the VHF DXer, there'll be plenty of F₂ skip activity this winter as a result of the high sunspot activity, and when the peak actually occurs is not of major significance for the DXer anymore, because we now know that it will be a far better peak, from the VHF DXer's standpoint, than was originally thought.

The attempts that have been made to predict F₂ conditions over long periods of time have fallen into many unforeseen snags that greatly reduce their accuracy. First of all, the sun is not the predictable "machine" that scientists once theorized it to be. Much has been learned about the sun recently, as a result of more accurate and complete data gathering and observation methods, closely related to advances in space technology.

Since we haven't been able to look so thoroughly at our nearest star until now, we have had to rely on predictions that turn out to be embarrassingly wrong for the experts. Take for example the "unexpected" early return of Skylab! High sunspot activity accompanies increased solar "radiational heating" of the upper atmosphere, causing the atmosphere to expand farther into space, subjecting objects in low orbit to more friction, and ultimately speeds their orbital "decay"--resulting in a sooner-than-expected rain of "space junk" from the sky.

While Skylab's demise serves to point out how poor that long-term solar activity predictions can be, it's interesting to note how the very pessimistic predictions made at the beginning of the current sunspot cycle turned out. Beginning in mid-1976 (when the present cycle is now agreed to have commenced), you could read articles in ham and CB publications speculating the course of the cycle. Some of the early ones now appear to be so poor in their "guessing" as to be unintentionally humorous. One such article that appeared in a CB publication featured a cover headline that proclaimed that "SUNSPOTS WON'T KILL CB--MAY HAVE NO EFFECT." Anyone who still believes that sunspots "may have no effect" on CB channels is advised to monitor CB in the coming months! Equally hilarious were the many stories carried in newspapers speculating that sunspot activity would be so intense that CB channels would be totally useless for months. While the F₂ skip during the day and early evening will severely limit the range of the average CB set's usefulness at times, the co-channel interference it has been causing hasn't prevented CBers from talking over the usually limited local area (usually a matter of less than a mile in large population areas) that they are accustomed to.

Some of the long-term predictions have been shown to be almost completely wrong, but the VHF DXer is now in need of short term predictions, with long-haul F₂ DX now an almost daily possibility above 30 MHz. The VHF DXer can keep informed about improving F₂ skip conditions through several sources. You don't have to be an expert to know when to expect a rapidly rising maximum usable frequencies (MUFs), as long as you have the proper information. If you're prepared for DX above 30 MHz, it's now only a matter of weeks before the MUF will be pushing towards 50 MHz or above on many paths. Knowing where to tune is only one part of the DXer's efforts; the successful DXer has to know when as well, or he's just wasting time.

F2 SKIP--WHAT CAN WE EXPECT?

Knowing when the frequencies above 30 MHz will be open really doesn't take a specialized physics degree or a crystal ball. With a good basic understanding of the ionospheric F layer, and your best source of day-to-day information--a general coverage shortwave receiver--you can know what the F2 MUF may be doing on a given day.

With F2 propagation, there are these major considerations to keep in mind: Solar-terrestrial conditions (solar activity plus the state of the earth's geomagnetic field); time of year (F layer ionization is heaviest in winter months); Signal paths (the closer to the equator, the "easier" it will be for high-MUF F2 skip to take place; and time of day. The time of day relates closely to the path in consideration, because F2 layer ionization on any path will be heaviest at the path midpoint's local noon. Thus, on a single hop F2 path, conditions will tend to be at their best (highest MUF, strongest signals) when it's mid-day at a point halfway between the DX station and the DXer.

Although F2 propagation never reaches the kind of MUFs that sporadic E skip (Es) does, multiple-hop skip on F2 is much more common than with Es. This is due to the fact that F2 skip simply doesn't involve a small area of ionization, but rather tens of thousands of square miles at a time. F2 skip signals are refracted back to earth much more "gradually" than E-skip, but as with Es, the skip distance decreases as the MUF increases. Backscatter effects are much more pronounced when the F2 MUF climbs higher and higher, partially due to the huge area covered by the F2 layer, and the "mirror" that it resembles to frequencies below the MUF.

A shortwave receiver is important to the VHF F2 DXer for two reasons. The first one should be fairly obvious: such a receiver, preferably of the general coverage type (continuous coverage between 3 and 30 MHz) allows you to check the band conditions just below 30 MHz. It's not very likely that North American DXers will be able to hear European TV audio in the 41 MHz vicinity if they're not noting any real sign of European stations in the 10 meter ham band. The 10 meter amateur band, covering the 28 to 29.7 MHz range, will invariably be "wide open" to Europe when 41 MHz TV audio from the same area is noted in North America. Strong and widespread European 10 meter ham signals won't always mean that the 41.25 French and 41.5 English TV audio is coming in, but they will provide you with a good warning, especially if noted in the morning shortly after sunrise in your area.

The other reason that a shortwave receiver is such an invaluable aid is WWV. In case you're not familiar with the service, WWV is operated by the U.S. National Bureau of Standards, and is a "standard frequency and time" station broadcasting on 2.5, 5, 10, and 15 MHz (and sometimes other experimental frequencies) to shortwave (i.e., HF) spectrum users. At 18 minutes after each hour, WWV makes voice announcements regarding the state of the ionosphere, thus making listeners aware of the possibility of improving F2 skip conditions. This information is kept as current as possible, so it will give you a rather accurate picture of what may be possible in the hours or days following. Keeping a day-to-day check on WWV will show you the trends that the solar conditions are following.

The WWV propagation bulletins are less than a minute in length, but do give you a wealth of information. They announce the solar flux for the previous 24-hour UTC day as well as solar activity (if a solar flare took place in the period, they will announce it, as well as its intensity), the "A-index" for that day, the "K-index" (updated four times per day), condition of the earth's geomagnetic field, and predicted solar-terrestrial conditions for the following 24-hour period.

The solar flux number given is what relates most closely to the particular part of the solar cycle we are currently in. It is a measure of the sun's radiation taken at 2800 MHz (i.e., it's microwave radiation from the sun) at the same place (Ottawa, Ontario) at the same time (1700 UTC) each day. At the bottom of a sunspot cycle, it may dip down to a value of as low as 66. Near the top of a high cycle peak, it can go higher than 250. In June of 1979, it reached 245, which would have produced super world-wide F2 DX in the 30-50 MHz range had it done so in the winter months and during a period of low geomagnetic activity. One thing to keep in mind is the almost linear relationship that solar flux has with sunspot numbers. The higher the sunspot numbers, the higher the solar flux at 2800 MHz.

F2 SKIP--WHAT CAN WE EXPECT?

The solar flux number means little by itself, even during the winter months near a sunspot cycle peak, unless you know what the earth's geomagnetic field is doing. This is where the A-index comes into play. The A-index is a value that can be anything from 0 to over 400, but is rarely over 100. The best F2 skip conditions tend to take place when the geomagnetic field A-index is below 10 or so. When the A-index is given in values significantly above that, the prospects for good VHF propagation via F2 are greatly diminished in all but the lower latitudes.

The K-index is better suited to the DXer looking for a way to tell if he can expect improving F2 conditions in a matter of hours or a couple of days later. While similar to the A-index in that it describes the state of geomagnetic activity, it is measured on a different scale and usually never older than 6 hours--it's a very current figure. The K-index is measured in Fredericksburg, Virginia for the 0000-0600, 0600-1200, 1200-1800, and 1800-2400 periods of the UTC day. The lower the K-index given, the better the chances for F2 propagation on east-west paths. K-index numbers of 0 to 1 indicate a quiet geomagnetic field; above 1 to 3 show an unsettled field, and higher than 4, active. When there's a geomagnetic storm in progress, the K-index will be above 4, and the upper levels of the ionosphere may be a "mess" for F2 propagation. However, there have been many north-to-south 50 MHz F2 paths noted from North to South America when the K-index was 3 or higher (A-index of around 20), showing that north-south F2 paths exist under quite different conditions than the more "classical" east-west openings. It should be noted that the "disturbed" geomagnetic field indicated by a K-index of 4 or above is often associated with auroras in northerly areas, following solar flares.

For the VHF DXer, things start to get interesting when the solar flux approaches 200. It has become something of a "magic number" among 6-meter hams, because the first 50 MHz openings of an 11-year sunspot cycle always seem to come when the flux has gone above 200. 50 MHz F2 paths will open up at much lower flux numbers at equatorial latitudes, but most 50 MHz (as well as 30-50 MHz) activity is in mid-latitude areas, such as North America, Europe, Australia, and Japan.

The best indication of improving F2 conditions is a steadily-climbing solar flux with low geomagnetic activity, and thus low A- and K-indices. Under the right geomagnetic conditions, there have been 50 MHz transcontinental F2 skip paths open in North America when the solar flux values were below 150, but the best chance at hearing European TV audio on 41 MHz seems to come when the flux values are into the 150 to 200 range, because North Atlantic paths (being higher in latitude) require higher flux numbers to start to open up.

Beware of sudden "jumps" in solar flux. If, for example, there's an increase in solar flux number from 150 to 180 in a 24-hour period, you might assume that F2 skip conditions are rapidly improving. In fact, such a huge "leap" usually means that a solar flare has taken place, and conditions may be severely degraded as a result. Often as a result of a solar flare, the D layer, which absorbs signals rather than reflects, may become ionized, and resulting F2 conditions will be poor, especially in northern latitudes.

Super F2 conditions will occur when the solar flux goes into the mid-200 range for several days at a time, and when the A- and K- indices remain fairly low. If you're looking for F2 TV DX, the north-south paths will tend to be the best, especially in the southern part of North America. On the west coast of this continent, there may be many opportunities for New Zealand and Australian video, if you're equipped for it. No matter where you may be in North America, don't overlook the possibility of F2 skip on U.S. channel 2, if that channel is open. It will be very rare in the high-or latitudes, practically impossible to identify in most cases, but for any TV DXer, it should be an event to remember.

For the 30 to 50 MHz DXer, there may never be another opportunity for such widespread globe-spanning DX again; those DXers with scanners should search frequencies that they're not accustomed to checking for DX--many surprises should result. Just imagine the shock that some West Coast DXers had last year when they started to hear Japanese and Russian signals, where all they had ever heard before were English and Spanish!

(continued on page 38)



FM NEWS

FCC-FM Column, Box 251-KSC
Kearney NE 68847

NEW FM STATIONS AUTHORIZED

AK Homer 103.5 25000; 1020'; m
AR Ozark 96.7 3000; 180'; km
CA Fresno *91.5 16000; 900'; Radio
Bilingue, Inc., Spanish-English
CA Sonora *91.5 10 w; high school
CT Somers *89.7 10 " "
ID Sandpoint 95.3 1000; -43' r
IA Chariton 105.5 1700; 390'; mk
KS Baxter Springs 107.1 3000; 300'; k
MA Gardner *91.7 10; Mt. Wachusett Com. Col.
MI Grand Rapids *88.9 10; g; School of Bible
MN Spring Grove 88.3 3000 h.v.; 300'
MT Forsyth 101.3 100000 h.v.; 1030'
MT Wolf Point 92.7 3000; 260'; r
NE Chadron 97.5 100000; 840'
NE Lincoln *K22BAD 93.5 \$ [KGB] 100.7
Omaha translator) U, g; poor signal.
NY Gerlach *91.5 10 Schools
NM Farmington *88.9 250; 360' Navajo Missions
NM Raton 94.3 3000 h.v.; -530'
NY Lake Placid 105.5 (may start out on 95.3,
but FCC just allocated 105.5 to Lake Placid)
3000 h.v.; 235'; mc.
NY Southampton *91.3 10; S. College of LIU
NC Belhaven 92.1 3000; 280'
NY Southold 101.7 3000 h.v.; 300'; m
OK Ada 96.7 3000; 300'; k
PA Waynesburg *88.7 10 h.v.; W. State College
UT Tooele 92.1 1300; -740'; r
WV Schofield *89.1 10; School district
NS Middleton 106.5 93400 - CBC, CBH relay
[French] 107.5 19000 - CBC, CBAF relay
ON Guelph 93.3 50 watts; U. of Guelph
ON Kashihevan 90.1 .28 (rounded to 1 w).
Wa-Wa-Ta Native Society

FACILITIES' CHANGES

AL Andalusia WQHQ 98.1 235' (100000 h.v)
AK Wrangell KSTK* 101.7 3000 h.v.; -295'
AZ Tucson KJYK 94.9 80000 h.v.; 93'; reduces
coverage to 17 mi primary, 63 secondary
CA Auburn KHYL 101.1 50000 h.v (460')
CA Escondido KOWN-FM 92.1 125 h.v.; 1190'
CA Fremont KOHL *89.3 100 watts; -79'
CO Oak Creek KFMO 103.9 250 h.v.; 1100'
DC Washington WOOK 100.3 40000 h, 38000;
330'. FL Melbourne WFIT from 91.5 to
*89.5, 2900 horizontal only, 93 feet.
IA Cedar Falls KHKE *89.5 10000 h.v (410')
IA Dubuque KLXL 102.3 1650 h.v.; 410';
Stereo, expects to be on as of 9-1-79.
MD Baltimore WPDC 93.1 no. Dolby.
MA North Dartmouth WUSM from 90.5 to
*91.1 300 h.v.; 300'
MS Jackson WJSU *90.7 100 h, 150'
MO Mexico KWRW 95.7 100000 h.v.; 300'
NV Las Vegas KENO-FM 92.3 100000 h.v.; 1520'
NJ Newark WHBI 105.9 1600 h, 1150 v; 1220';
studios and transmitter New York, NY.
NY Hampton Bays WWHB 107.1 240' (3000 h.v)
NY New York WQXR-FM 96.3 7500 h.v.; 1280'
WCSB-FM 101.1 7500 h.v.; 1280';
both these stations now at maximum class B
FM coverage, with new FCC curves finally
being utilized within 250 miles of Canada
border-watch for a deluge of FM power in-
creases in a swath across the US from NY to
Illinois!
NY Saratoga Springs WSPN *91.1 250 h.v.; 98'
NC Jacksonville WXQR 105.5 300' (3000 h.v)
NC Raleigh WSHA *88.9 25500 h.v (115')
OR Eugene KUGN-FM 97.9 100000 h, 75000
vertical at 750 feet above average terrain.
SC Summerville WWWZ 93.5 1100 h.v.; 460'
SD Aberdeen KSDN-FM 94.1 41000 h.v.; 210'
TN Chattanooga WDEF-FM 92.3 100000h.v.;
1180'. TN Trenton WFNE-FM 97.7 300'
(3000 h.v.). TX Arlington KWJS 94.9
760' (10000 h.v)

TX Brownwood KLSN 104.1 74000; 205' h

only; deletes vertical.
WI Marshfield WDLB-FM 106.5 100000 h.v.;
800 feet above average terrain

CALL LETTERS

AZ Tucson 96.1 KTKT-FM (KCEE-FM)
CA Chuslar *89.7 KUBO
CA Riverside 99.1 KGGI (KBBL)
CO Denver *89.3 KHUM
CO Paonia *90.9 KVNF
CT Danbury 98.3 WDAQ (FLAD-FM)
CT Groton 105.5 WQGN-FM (WSUB-FM)
IA Des Moines *89.3 KUCB-FM
KS Lawrence 105.9 KLZR (KLWN-FM) power
to 100000 h.v.; 590 feet
KY Carrollton 100.1 WIKI (WVCM)
LA Monroe 106.1 KNAN (KREB)
LA Morgan City 96.7 KFXY (KMRC-FM)
MD College Park *88.1 WMUC-FM
MA Springfield *89.1 WNEK-FM (WTRZ)
MI Dearborn *89.3 WHFR
MI Flint 92.7 WDDZ-FM
MI Sandusky 97.7 WTGV-FM (WMIC-FM)
MN St. Paul *91.7 WMCN (KJAB)
MO Bolivar 106.3 KYOO-FM (KBLR-FM)
NE Beatrice 92.9 KMAZ (KWBE-FM); k, U
NE Terrytown 103.9 KCM1
NJ Cherry Hill *88.1 WBKE
NJ Madison *88.9 WMNJ
NY Amsterdam 97.7 WMVQ (WCSS-FM)
NC Burlington 93.9 WBAG-FM (WBAG-FM)
OK Edmond 97.7 KLLR (KCFX)
OK Oklahoma City 101.9 KLTE (KFNB)
PA Freehold 103.1 WQED (WACM)
SC Batesburg 92.1 WKWO-FM (WBLR-FM)
SC Charleston *90.9 WCEW
TN Centerville 96.1 WHLP-FM (WIKA)
TX Corpus Christi *91.9 KOIV
TX Dallas *90.9 KNON (KCHU)
TX Pampa 100.3 KEUA
TX San Angelo 92.9 KBIL
TX Snyder 101.7 KSNY-FM
VA Berryville 105.5 WWO0
VA Luray 103.9 WEEH
VA Pound 102.3 WWLH (the old call letters
used by WWL [AM] New Orleans' FM
adjunct in the 1940's-remember?)
WI Racine 100.7 WRKR (WRKR-FM) "

FORMATS/NETWORKS

CA Pasadena KRQO-FM 106.7 rp.
DE Georgetown WSEA 93.5 rd, "See-93"
IL Carmi WRUL 97.3 r (from k)
IL Eldorado WKSI 102.3 d
IL Mount Carmel WYER-FM 94.9 p (from m)
IL Watska WGFa-FM 94.1 rm
IN Boonville WBL WBNL-Fm 107.1 r (from m)
IN Evansville WUEV *91.5 cp
IN Goshen WZOW 97.7 r (from m)
IN Huntington WBDC 100.9 r (from k)
KS Great Bend WKVGF-FM 104.3 all m
KS Hays KJLS 103.3 S Audio, k (not kr)
KS Marysville KNDY-FM 103.1 U
KS Ottawa KKKX 95.7 r, 96-X
KS Topeka KDVV 100.3 r (from g)
KY Owensboro WBKR 92.5 r (was k)
MD Clarksburg WPOX-FM 104.9 S Audio
MD Oakland WXIE 92.1 r (from k); FM-92, and
"Wkie."

MI Detroit WOMC 104.3 r;p no Dolby
MI Lansing WJIM-FM 97.5 r (from m)
MI Three Rivers WLKM-FM 95.9 kr (from m)
MN Fairmont KFMC 106.5 rm
MO Kansas City KWKI 93.3 g
MO St. Joseph KSFT 105.1 r
NE Holdrege KUVR-FM 97.7 rm
NE Lincoln KUCV *90.9 I, has vertical
KHAT 106.3 rk
NE North Platte KELN 97.1 kr
NM Portales KENW-FM *89.5 P

NY Garden City WBAU *90.3 U
OH Cleveland WZZP 106.5 dr (50-80% d)
OH Dayton WDAO 107.7 d [Mutual
OH East Liverpool WELA 104.3 k (from m);/
PA Linesville WVCC 101.7 r (from mk); SCA?
PA New Kensington WNUF 100.7 U (was Mutual)
PA Pittsburgh KDKA-FM 92.9 m (was mc)
TX Houston KFMC 97.9 r (from gr)
ON Windsor CJOM 88.7 mr (from m)
CA San Francisco KCBS-FM 97.3 now 100% d
STEREO, OR TO BE STEREO
CA Temecula *88.9 (KRTM applied for); 10 w
KY Paducah WKYQ 93.3, k
KY Providence WHRZ 97.7, rock
MA Fitchburg WFMP 104.5, Mutual, automated
with no local news (was U).
NE North Platte KODY-FM 94.9 k; N; ON AIR!
NE O'Neill KBRX-FM 92.7
PA Washington 95.3 WYTK (from WJPA-FM),
rock, no AM station simulcasting.
SCA (†) 67 kHz Activities
CA San Jose 106.5 pr, "The Rolls of Rock,"
strict non-Der; no SCA.
KS Dodge City KTLT 93.9 TX S Audio
KGO-FM 95.5 no SCA
KS Hutchinson KHCC *90.1 talking book, c
on main channel; P
MD Baltimore WRBS 95.1 no SCA (was music)
NY Johnstown WZFR-FM 104.9 talk (horse
racing information "to legal off-track bettors";
this is what cost WCLM 101.9 Chicago its
license a few years ago! Spanish
OH Cleveland WCLV 95.5 ethnic, mostly P
PA York WBSA-FM 103.3 talking book
VA Manassas WEZR 106.3 Physicians Radio Net.

NON-IDs, Slogans used in lieu of

CA Livemore KKIQ 101.7 The Q Calls.
CA Sacramento 96.9 KROY-FM Y-97, pr
CA San Jose KJ50 92.3 FM-92
KOME 98.5 The Rocks
MD Baltimore WITH-FM 104.3 FM-104
MD Grasonville WAOA 103.1 Q-103
MD Williamsport WYII Y-96
MN Willmar KHIC 102.5 Q-102
NE Fremont KQUB-FM 105.5 Stereo 105k
NE Grand Island KRGI-FM 96.5 Country 96
NE York KAWL-FM 104.9 K-105
NY Buffalo WJYE 96.1 Joy
PA Beaver Falls WKWS 106.7 Stereo 107, no
longer "Kiss Rock 106", 1, rm (from rp).
PA Ephrata WIOV 105.1 Country-105
PA Indiana WOMU 103.1 Stereo 103
PA Starview WRHY 92.7 Starview-92
WV Wheeling WKWK-FM 97.3 "WKFM"

OFF AIR

PA Johnstown WFMM 92.1
ABBREVIATIONS USED HERE
Program codes: c classical, d disco, e ethnic, g
gospel, i jazz, k country, l is Latin/Spanish, m
middle of the road or easy-listening, p progres-
sive rock, r rock, s soul. Networks: A ABC-FM,
with ABC standing for American Broadcasting
Company, B National Black Network, C Colum-
bia Broadcasting System, E ABC Entertainment,
I ABC Information, M Mutual, N National
Broadcasting Company, P National Public Radio,
S Associated Press Audio, U United Press Audio,
Y ABC Contemporary, Z Mutual Black Network.
\$ is stereo; h is horizontal effective radiated
power in watts; v is vertical radiated power, w
1 stands for SCA and its codes-SCA at 67 kHz.

READERS' COMMENTS

A CA writer claims he has never heard
KSFH "90.5 Mountain View, although only
living 7 miles NE of it; but being a
high school station maybe he's never
tuned in when they have been on the air.
I did a custom SCA job on a Panasonic
table radio, and a NJ reader says "Your
unit works very well with my radio and I
wish you luck and thank you for a most
entertaining product." Credits next mo.!

NORTHERN FM-DX

Ralph Strobel, editor
2510 E. McGalliard Rd.
Muncie, Indiana 47303
(317) 288-5815

Deadline: the 10th

OCTOBER 1979

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

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

3/14	GW		6/10	tr	
2100	WLN	90.1 CT Derby 1st day on air, mono, kjs, Pacifica (taped)	2313	WRIO	102.3 NJ Cape May talk
5/8	GW		6/17	tr	
1612	WKHI	99.9 MD Ocean City psa, "100-KHI" (WEZN off for 60 sec.)	0956	WBYO	107.5 PA Boyertown g
5/22	Es		6/24	Es	
1753	KSNS	96.1 LA Lake Charles r QSLed as farthest received	2105	KTTS	94.7 MO Springfield k, nx, (received at Stratford, CT)
1807	KSLI	96.9 LA Alexandria AM KALB nx	6/29	tr	
1949	KYKR	93.3 TX Port Arthur k, "Kicker Country"	2144	WNOR	98.7 VA Norfolk u/WXLO
1949	WQST	92.5 MS Forest r, "T-92"	6/30	Es	
2013	WYNK	101.5 LA Baton Rouge k, "Wink-FM"	1050	WVWZ	93.5 SC Summerville r, "3-WZ"
5/30	Es		1059	WALT	97.1 MS Meridian "Weekly Top 30" w/Mark Elliot
1953	WKSJ	94.9 AL Mobile k + Muzak SCA	1109	WERH	92.1 AL Hamilton PSAs
2000	WBLE	92.9 AL Mobile s, NBN nx	7/5	Es	
2029	WGEA	93.5 AL Geneva g, w/part AM s/off	1918	unIDs	on 92.3, 93.9, and 95.9 IDing as "Ars" FM Network playing pr and from Canada. Rec. NS on TV; repeaters of CBAF?
2107	WPAP	92.5 FL Panama City k	7/7	Es	
6/1	tr		1540	KAFM	92.5 TX Dallas rm, "92-Plus"
2311	WAWZ	99.1 NJ Zarephath g	1542	KTFN	93.3 OK Ada m, promo for KTEN (10) TV
2311	WBJH	101.5 NJ Trenton soft r	7/9	tr	
2321	WKDN	106.9 NJ Camden g	2218	WFOG	92.9 VA Suffolk
6/2	tr		2225	WDSO	94.7 DE Dover
1359	WBOS	104.7 MD Ocean City m + SCA music	2228	WKHI	99.9 MD Ocean City + SCA
1826	WXRI	105.3 VA Norfolk g	2232	WQRC	99.9 MA Barnstable (WEZN off)
1830	WFOG	92.9 VA Suffolk m, "Fog"	2232	WJRH	100.1 NJ Ship Bottom r, "JRZ"
1831	WOLC	102.5 MD Princess Anne	2249	WVDE	101.3 VA Hampton rm, "2-WD" (WKCI also off)
1839	WESR	103.3 VA Tasley m	2252	WNNN	101.7 NJ Canton g
2140	WVVA	94.1 VA Yorktown k "VA-94-\$tereo"	2254	WSNJ	107.7 NJ Bridgeton
2147	WJLK	94.3 NJ Asbury Park	2257	WCMS	100.5 VA Norfolk
2200	WOWT	102.9 VA Norfolk "Night fever d"	2314	WCMC	100.7 NJ Wildwood rm, //AM
2207	WTKT	105.7 MD Catonsville d + music SCA	2340	WSEA	93.5 DE Georgetown
2211	WRQX	107.3 DC Washington	2344	WQZQ	92.1 NC Moyock r, "2-Q-92"
2225	WGH	97.3 VA Newport News rebroadcast of WGH's 50th anniversary.	2350	WGH	97.3 VA Newport News
2300	WKEZ	95.7 VA Norfolk m	2355	WYFI	99.7 VA Norfolk g WEZN still off
6/3	tr		2358	WQPK	104.5 VA Norfolk
0016	WSEA	93.5 DE Georgetown r, "Sea-93"	2358	WXRI	105.3 VA Norfolk
0018	WDSO	94.7 DE Dover	7/10	tr	
0018	WSTW	93.7 DE Wilmington r, "Rock-94"	0000	WSLT	106.3 NJ Ocean City m
0133	WMIK	93.7 NC Elizabeth City rp, "K-94"	0000	WGRF	99.3 NJ Pleasantville soft r
0136	WRVQ	94.5 VA Richmond r, "Q-94"	0019	WWTI	95.9 DE Bethany Beach r
0144	WSFL	106.5 NC Bridgeton d, "SFL"	0034	WNOR	98.7 VA Norfolk
6/8	tr		7/14	GW	
2329	WBGO	88.3 NJ Newark j	0000	WKCI	101.3 CT Hamden-New Haven now r, "KC-101"
2337	WUSL	98.9 PA Philadelphia + music SCA	7/19	tr	
6/9	tr		0812	WLEV	96.1 VA Easton
0018	WBDB	96.5 PA Philadelphia + music SCA	0821	WSUS	102.3 NJ Franklin r
2229	WLKW	101.5 RI Providence m	7/20	Es	
6/10	tr		1240	KLPQ	94.1 AR Little Rock pr, nx, "KQ-94"
0110	WNOR	98.7 VA Norfolk pr, "FM-99"	1250	KLAZ	98.5 AR Little Rock
0110	WOWI	102.9 VA Norfolk	1254	KKAJ	95.7 OK Ardmore k
0116	WSEA	93.5 DE Georgetown	1308	KLCO	97.9 OK Poteau r
0117	WFOG	92.9 VA Suffolk	1315	KCFP	98.5 OK Tulsa g pgm.
0119	WQPK	104.5 VA Norfolk r, "Q-104½"	1324	KXXY	96.1 OK Okla. City rp, "96-X"
0143	WCMS	100.5 VA Norfolk k	7/23	tr	
2106	WBOS	92.9 MA Brookline d, "Disco-92"	2143	WRIU	90.3 RI Kingston pr, (WPKN off)
2112	WCRB	102.5 MA Waltham + music SCA	2215	WMAS	94.7 MA Springfield d, u/WFME
2122	WMIK	93.7 NC Elizabeth City			
2302	WSNJ	107.7 NJ Bridgeton nx			
2311	WBZ	106.7 MA Boston end nx, r			

What's happened to FM E skip this year? It was good to see a few good openings last year, but this year the chances of seeing any are about "zilch." Hope August brings in better Es as well as some long haul tropo. As you can see, I've listed stations that carry SCA in order to provide info for those members that have bought SCA adaptors from Dr. Bruce Elving or are planning to. Here's some local SCA news that will help, too: WRKI-95.1, WALK-97.5, WPIX-101.9, and WHCN-105.9 carry Muzak service, WTIC-96.5, WEVD-97.9, and WDJF-107.9 (with low SCA modulation) carry Physician's Network news, and WRVR-106.7 carries Chinese. My total is now 236.

* * * * *

Michael L. Hogan - 13910 Chippewa Ave., Apt. 1 - Burnham, IL 60633
Equipment: Magnavox 1143 Receiver, Radio Shack Deluxe FM Rabbits.

No spectacular DX to report this time. The following new loggings were made thanks to local WYCA 92.3 being off of the air with transmitter difficulties. Log total: 244.

7/31 tr 0550 WGTC 92.3 IN Bloomington fair signals
0700 WFMG 92.1 MI Grand Haven semi-local strength

Mike, 73's

* * * * *

Peter Sawatzky - R.R. #4 - Guelph, ON N1H 6J1

Equipment: Sony ST-5130 tuner; Delhi antenna at 70 feet; homebrew automated tape DX setup (all loggings received in this manner asterisked*); times EDT.

<u>6/18</u>	<u>GW</u>	2214	CJQR	97.7	ON St. Catherines	60
					(1st time by new calls - ex-CKTB-FM)	
<u>6/19</u>	<u>tr</u>	1946	WCIR	103.7	WV Beckley	400
<u>6/24</u>	<u>Es</u>	0000-2400	WPGS*	89.3	FL Pensacola	980
		0000-2400	WBYU*	95.7	LA New Orleans	1070
<u>6/25</u>	<u>Es</u>	1000	KCSC*	90.1	OK Edmond	1070
<u>6/28</u>	<u>Es</u>	2124	WJIZ	96.3	GA Albany	845
<u>6/29</u>	<u>Es</u>	0800-1730	KCSC*	90.1	OK Edmond	1070
<u>6/29-30</u>	<u>Es</u>	1800-0330	KUNC*	91.5	CO Greeley	1270
		1800-0330	KCFR*	90.1	CO Denver	1270
		1800-0330	KERA*	90.1	TX Dallas	1130
<u>6/30</u>	<u>Es</u>	1200-1330	KKNG*	92.5	OK Oklahoma City	1045
		1200-1330	KEBC*	94.7	OK Oklahoma City	1045
		1200-1330	KMUW*	89.1	KS Wichita	955
<u>7/1-2</u>	<u>Es</u>	1000-2000	WMFQ*	92.7	FL Ocala	995
		1000-2000	WHRS*	90.7	FL Boynton Beach	1160
		1000-2000	KKNG*	92.5	OK Oklahoma City	1045
		1000-2000	KCSC*	90.1	OK Edmond	1070
<u>7/13-14</u>	<u>GW</u>	1222-0232	CHRE	105.7	ON St. Catherines	60
					(1st time by new calls - ex-CHSC-FM)	
<u>7/21</u>	<u>Es</u>	0900-1213	WQUE*	93.3	LA New Orleans	1070
<u>7/24</u>	<u>Es</u>	1929	WNJC	90.1	MS Senatobia	805
<u>7/28</u>	<u>tr</u>	0243	CKMF	94.3	PQ Montreal	375
		0303	WMHT	89.1	NY Schenectady	330
		0308	CFLY	98.3	ON Kingston	195
					(1st time by new calls - ex-CKLC)	
		0334	WJLK	94.3	NJ Asbury Park	395
					(1st NJ by tr)	
		0338	WECQ	101.7	NY Geneva	170
		0355	WRTI	90.1	PA Philadelphia	355
<u>7/29</u>	<u>Es</u>	1130	KERA	90.1	TX Dallas	1130
		1249-2105	KBID*	92.9	TX Wichita Falls	1165
		1249-2105	KEBC*	94.7	OK Oklahoma City	1045
<u>8/1-6</u>	<u>Es</u>	1723-2356	WRMB*	89.3	FL Boynton Beach	1160
		1723-2356	WGYL*	93.5	FL Vero Beach	1080
<u>8/7</u>	<u>Es</u>	0814-1717	WRNB*	89.3	FL Boynton Beach	1160
		1828	KYND	92.5	TX Pasadena	1240
		1717-2335	KPFT*	90.1	TX Houston	1240
		1717-2335	KERA*	90.1	TX Dallas	1130

A pretty dismal season as you can see, but I hope fall tropo makes up for it again like last year.

73, Pete

* * * * *

Deane D. McIntyre - 67 Centre St. - Bowmanville, ON L1C 2Y2

Equipment: Sharp RX Model RD 438-X with whip antenna.
Loggings made at Alcona Beach, ON (10 mi. SE Barrie)

8/3 tr		8/4 tr		
2140 WCKK	103.7 PA Erie	145 1430 CJOM	88.7 ON Windsor	205
2155 WBIV	107.7 NY Weathersfield	130 8/5 tr		
2220 CJBC-17	95.5 ON Belleville	100 1100 CJET	101.1 ON Smiths Falls	175
2230 WNGQ	97.5 NY Watertown	165 1900 CBCK	107.5 ON Kingston	145
2235 WHCU	97.3 NY Ithaca	180 8/6 tr		
2300 WMHR	102.9 NY Syracuse	175 2250 WEZO	101.3 NY Rochester	120
2315 WEZO	101.3 NY Rochester	120 2300 WMHR	102.9 NY Syracuse	175
8/4 tr		2340 CBSC	97.1 ON Sudbury	150
1400 CBE	89.9 ON Windsor	205 2348 WHCU	97.3 NY Ithaca	180

I am at present attending the University of Waterloo doing graduate work in chemistry; However, FM DX is difficult here due to the Waterloo effect (see my article in Dec. 1978 VUD, p. 40) and interference. The above loggings were done using an AM/FM cassette receiver I acquired for \$8 at a flea market; turned out to be quite a bargain. 73, Deane

* * * * *

John Zondlo - 6617 Maryland - Hammond, IN 46323

Equipment: Sony ST-5130 with rabbit ears antenna.

7/3 tr		7/26 tr		
0206 WYFE	95.3 IL Winnebago r, promo for membership in Rockers Against Disco	2358 WZRD	88.3 IL Chicago 10w, s/off	
0858 WVTL	95.3 IN Monticello Trading Post	7/27 tr		
0939 WHPO	100.9 IL Hoopston grain report	0005 WKKB	92.1 WI Manitowoc light r	
7/20 Es		0458 WIAA	88.3 MI Interlochen s/on	
1206 WTWE	92.1 SC Manning nx	0511 WAUN	92.7 WI Kewaunee WMM null'd	
7/26 tr		0537 WZZR	95.7 MI Grand Rapids finally!	
0800 WFNN	104.7 MI Escanaba r, "Fun-104"	0552 WQTC	102.3 WI Two Rivers r	
1930 WKJR	101.7 MI Muskegon Heights g	7/31 tr		
2212 WDGC	88.3 IL Downers Grove r	1925 KOEL	92.3 IA Oelwein local WYCA off all day thanks to storms.	
2258 WDOR	93.9 WI Sturgeon Bay WLAK null!	2347 WMHE	92.5 OH Toledo r	
	8/1 tr 0001 WYXE	92.1 WI Sun Prairie r, ID		

The 7/26-27 catches were aided by a high pressure area that settled over Lake Michigan and gave DXers and non-DXers alike outstanding reception conditions. The opening even prompted items on local radio stations and in the newspapers. 73, John

* * * * *

Saul Chernos 79 Ridge Drive - Toronto, ON M4T 1B6

All times EDT:

7/7 Es		8/2 Es		
1600 WJNS	92.1 MS Yazoo City	1724 WSDO	106.7 FL Ft. Lauderdale	
1615 unID	92.1 AL "FM-92" non-ID?	1730 WSHE	103.5 FL Ft. Lauderdale	
7/28 Es		1753 WYAK	100.1 SC Lake City	
1020 KFMQ	101.9 NE Lincoln "Q-102"	1800 WSCI	90.5 SC Charleston	
1026 KFNF	101.1 KS Oberlin	1929 WLQY	98.7 FL Ft. Pierce "Y-99"	
1100 KXCV	90.5 MO Maryville NPR	1945 WQFG	101.1 SC Surfside Beach	
1105 KELO	92.5 SD Sioux Falls	WQFG	also came in off frequency on 98 or so approximately. I've never had an off frequency??	
7/31 tr		8/7 tr		
1200 WYSU	88.5 OH Youngstown	0930 WDUQ	90.5 PA Pittsburgh ID, nx	
1317 WGSU	89.3 NY Geneseo			

* * * * *

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

Reception at Bloomington, MN., using Heath AJ-15 and/or Sony ST-5130. Antennas are 10 element yagi about 25 ft. above ground (horizontal) and dipole mounted vertically about 20 ft. above ground for vertical polarization.

The evening of Sept. 4 and morning of Sept. 5 were excellent for tropo. Had most Chicago and Southern Wisconsin FM's and Western Michigan was also in on certain frequencies. It was amazing how strong some of the Class A stations from the Chicago area were, and the signal strength stayed constant for hours. Wish WKKD 95.9 Aurora would spend a little money and buy a better quality microphone, as it was really cheap sounding voice. WOJO Evanston had a very high SCA modulation level with their Muzak--so high that I could hear slight cross-talk on the main channel during quiet times of main channel programs. First time in 20 years of SCA activity that I've heard that on a quality receiver. The Es on Sept. 1 at Prosit was received during a very heavy thunderstorm in the area, but it was not lightning scatter. I was rather weak Es reception.

8/10 Es
 1931 KBLJ 92.1 CO La Junta k (no V poliz.)
 1938 KAVI 95.9 CO Rocky Ford r no \$
 1945 KFLG 92.9 AZ Flagstaff
 1951 KAUM 96.5 TX Houston
 1952 KOB 93.3 NM Albuquerque
 1957 KMM 96.1 TX San Antonio c
 2002 KBBK 92.3 ID Boise r
 2208 KBYU 88.9 UT Provo
 8/11 MS
 0415 *RWTX 97.5 TX Waco ...here in Waco
 is the...
 8/12 MS
 0100 *WAUG 105.7 GA Augusta good long burst,
 super ID for MS
 0300 *KYKX 105.7 TX Longview weak ID
 0530 *WFMK 105.7 NC Statesville
 (New mode = dashed underlined)
 *Times are + 3 minutes due to use of automated equipment during meteor showers.

Reception at Prosit, MN., using Sony ST-5130, with attic mounted 5-element antenna about 10 feet above ground.

6/20 Es
 1812 WQUE 93.3 LA New Orleans "Q-93" + SCA
 1813 KAFM 92.5 TX Dallas
 1815 WLPB 96.1 AL Mobile m, "96-FM" + SCA
 1818 WBYU 95.7 LA New Orleans m
 1825 WZZL 97.1 LA New Orleans PRN on SCA
 2200 QKUA 94.9 AT Edmonton
 2215 QKUA-596.9 AT Peace River
 (Above two in for over 1/2 hr. solid!)
 2228 QJCA 97.3 AT Edmonton r
 2232 QPEN 100.3 AT Edmonton For over 45
 mins., also had CBC English net. (no \$) on
 93.3, 94.1, 95.5, 99.3, 100.5, & 102.5 w/
 French on 101.5. Signals were Ex., but per
 CBC practice, no ID's were given, even on
 hour. DAMN! Wish they had to ID like USA.
 8/24 tr
 2200 WVEV 106.3 WI River Falls
 2226 WDRN 95.9 WI Durand
 9/1 Es
 1545 WFLA 93.3 FL Tampa m, "FM-93" + SCA
 1601 WDMG 99.5 GA Douglas
 1614 WDDB 92.3 FL Orlando m, SCA
 (Es on 9/1 during severe thunderstorms.)
 9/3 tr
 1806 KIOV 102.3 IA Forest City
 1833 WOOD 105.7 MI Grand Rapids m
 (Had to quit DXing for drive to home QTE.)

After I typed this out, looks like August and early September were pretty good DX wise! I keep two lists (Bloomington and Prosit) and this report is a consolidation of both. I have omitted many relogs, such as during the 9/4 tr to Chicago. 73, John

Harry J. Hayes - Star Route, Box 226c - Gouldsboro, PA 18424

Equipment: Zenith Trans-Oceanic portable w/Finco FM-4G antenna at 25 ft. CM fringe app. Wilkes-Barre, PA. Zenith Trans-Oceanic w/104 Mhz stacked quad loop. *denotes from Wilkes-Barre. New underlined.

8/2 Es*
 1730 WFEW 95.7 FL Ocala
 1735 WAIM 97.3 GA Savannah r
 1830 WJLD 97.7 MS Biloxi r
 1855 WMBR 97.3 GA Manchester Black mx
 1900 WJEB 94.9 AL Enterprise Hard r
 1905 WJBI 97.7 GA Griffin m, "Q-97" w/two
 unid. stations underneath.
 1925 WJEB 97.3 AL Mobile
 1932 WJFA 99.7 GA Atlanta "FM-100"
 1936 WJFK 97.1 GA Gainesville "97-Fox" r
 8/11 Es
 1800 WJWG 101.7 NY Owego "5-WG" r
 1817 WJVE 93.5 PA Mechanicsburg r
 1835 WJVL 102.3 PA Carlisle k, v/weak
 8/22 Es
 1177 WJOT 98.7 TN Memphis r, "FM-100" ID
 8/19 tr
 1726 WBLK 98.7 NY DePew Black mx 200
 1759 WJON 107.9 NY Syracuse m, "FM-105" 150
 1900 WJHN 94.9 NY Norwich m, poor 90
 2000 WJAD 100.1 PA Canton fairly new 70
 station w/AC NA "Q-100" WJAD Canton IDs
 d, fair-poor signal
 8/19 tr
 1728 WJGX 99.5 NY Buffalo religion 200

8/25 tr
 0045 WSRB 96.1 MA Worcester ID good 210
 "Where the Beautiful Music is"
 0108 WTIC 96.5 CT Hartford r, can't
 figure why I couldn't hear this before.
 1043 CKBTB 97.7 ON St. Catharines 225
 1055 WTTT 95.3 PA Towanda k 60
 1735 WNCQ 97.5 NY Watertown k, poor 195
 2105 WSRK 103.3 NY Oneonta r, good 95
 0100 WMPPT 99.7 PA S. Williamsport 70
 Drifted from 99.3; gone on checks since.
 Thought I had an exotic one here, drat.
 0152 WECQ 101.7 NY Geneva m "CO-102" 135
 0200 WJLI 91.3 NY Rochester s/off 170
 0227 WJLD 98.7 NY Utica m, WJRE off 130
 8/26 tr
 2120 WJBR 94.5 MA Boston r, "CO2" 245
 2130 WJBI 103.3 MA Boston r, fair 245
 8/28 tr
 1942 WJNJ 88.9 CT W. Hartford gc 155
 9/1 tr
 1520 WJAY 102.1 MA Springfield 170
 "Walkie-102"
 1800 WJBI 90.5 CT Middlefield NPR 155
 1906 WTSR 91.3 NJ Trenton r 80
 2018 WJOT 94.5 MA Boston strong 24

No really good tropo as yet to speak of. Most of the stuff from CT. and Western NY can be heard all the time in Gouldsboro only they were enhanced at the times mentioned in the report. It takes tropo, however, to bring in any sign of Boston. Strangely enough, WFJB-105.1 Providence, RI is in about 95% of the time at 220 miles.

73's, Harry

Fred Nordquist - 7945 Boxford Rd. - Clay, NY 13041

Equipment: Heathkit AJ-15 with JFD LPL 10A FM antenna at 45 ft. New underlined. (WLT)

7/16	Es MUF: 102.5	9/4-9/5	Super tr		
1044	<u>KDEA</u> 99.1 LA New Iberia m	1255	2223	<u>KUNI</u> 90.9 IA Cedar Falls	820
1046	<u>WFMF</u> 102.5 LA Baton Rouge r, SID	1205	2308	<u>WSND</u> 88.9 IN Notre Dame NPR	500
8/2	Es MUF: 103.3		0018	<u>WMUS</u> 106.9 MI Muskegon "MUS"	505
1836	<u>WDMG</u> 99.5 GA Douglas wx	890	0025	<u>WCWC</u> 95.9 WI Ripon j	635
1839	<u>WBGW</u> 98.9 FL Tallahassee "FM-99"	1000	0043	<u>WEZW</u> 103.7 WI Wauwatosa m	595
2100	<u>WGXL</u> 100.5 SC Laurens m, nx	685	0049	<u>WVRN</u> 106.7 MI Gaylord m, SID	445
8/7	Es MUF: 106.7		0052	<u>WQTC</u> 102.3 WI Two Rivers sports	580
1840	<u>KAMU</u> 90.9 TX College Station	1400	0059	<u>WDEZ</u> 101.9 WI Wausau m, nx	680
8/11	Es MUF: 94.1		0110	<u>WROE</u> 94.3 WI Neenah m, "ROE"	620
1758	<u>WTOC</u> 94.1 GA Savannah nx	820	0121	<u>WDAT</u> 94.7 IL Chicago d "DAI"	600
9/1	Es MUF: 94.1		0126	<u>KSTP</u> 94.5 MN St. Paul "KS95FM"	850
2128	<u>KQXY</u> 94.1 TX Beaumont wx	?	0129	<u>WJBL</u> 94.5 MI Holland wx	500
	(Log totals now at: 1051.)		0132	<u>WNIU</u> 89.5 IL DeKalb s/off	645

Minnesota is a new state via tropo. (Could it be that tropical storm "David" had an effect on this tropo?)

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

Equipment: Heath AJ-1510, Winegard antenna w/rotor at 60 ft.

8/14	tr	8/31	tr		
1100	<u>WHOP</u> 98.7 KY Hopkinsville k\$	275	0000	<u>WKAI</u> 100.1 IL Macomb g\$ s/off	275
8/16	tr		0001	<u>KGRC</u> 92.9 MO Hannibal	340
0400	<u>KTOP</u> 104.5 IA Cedar Rapids g\$	360	9/4	tr	
8/17	tr		0200	<u>WAXX</u> 104.5 WI Eau Claire k\$	450
0240	<u>KKYK</u> 103.7 AR Little Rock r\$	565	0230	<u>WWIB</u> 103.7 WI Ladysmith g\$	450
0305	<u>KBTM</u> 101.9 AR Jonesboro r\$ "\$-102"	450	0245	<u>KGRS</u> 107.3 IA Burlington r\$	325
0410	<u>WHRK</u> 97.1 TN Memphis d\$, "K-97-FM"	460	0300	<u>WZRO</u> 104.9 IL Pekin	260
	(verified by phone call to WHRK)		0430	<u>KIWI</u> 105.3 IA Dubuque "Kee-Wee"	325
0445	<u>WQUD</u> 104.5 TN Memphis "Quad-104"	460	9/5	tr	
0500	<u>KFMP</u> 102.9 MO Cape Girardeau m\$	325	0135	<u>WKAU</u> 104.9 WI Kaukauna r\$	350
0700	<u>WHOR</u> 92.1 KY Morehead k	175	0144	<u>WROE</u> 94.3 WI Neenah-Menasha m\$	320
0930	<u>WCRC</u> 95.7 IL Effingham k\$	225	0150	<u>WKKB</u> 92.1 WI Manitowoc m\$	290
1010	<u>WZZQ</u> 102.9 MS Jackson r\$, "ZZQ"	650	0200	<u>WDDC</u> 100.1 WI Portage "C-100"	325
1043	<u>WKNO</u> 91.1 TN Memphis c\$	460	0259	<u>WRKR</u> 100.7 WI Racine "\$-Rocker"	220
1202	<u>KFIN</u> 107.9 AR Jonesboro m\$	450	0305	<u>KSJN</u> 91.1 MN St. Paul-Minn. c\$	515
1229	<u>WNES</u> 101.9 KY Central City mono	250	9/6	tr	
1234	<u>WQRX</u> 106.3 IL Benton pr\$, "106"	275	0100	<u>KDKA</u> 92.9 PA Pittsburgh m\$	300
2330	<u>WMPR</u> 88.1 SC Sumter c\$, s/off	535	9/8	tr	
8/18	tr		0600	<u>WCVO</u> 104.9 OH Gahanna g\$	130
0000	<u>WUOT</u> 91.9 TN Knoxville	325	9/10	tr	
0000	<u>WOKI</u> 100.3 TN Oak Ridge-Knoxville	315	0159	<u>WKQB</u> 105.9 TN Nashville p\$	300
0100	<u>WMOT</u> 89.5 TN Murfreesboro p\$	300	0207	<u>KMGC</u> 102.9 TX Dallas r\$, s/off	850
0350	Rain storm ruins everything!!		0230	St. Louis area in like locals!	300
8/25	tr		0236	<u>KKYK</u> 103.7 AR Little Rock r\$	
0300	<u>WYFM</u> 102.9 OH Sharon-Youngstown OH	260	9/12	tr	
0342	<u>WQAW</u> 105.1 WV Parkersburg mr\$	225	2300	<u>WDOK</u> 102.1 OH Cleveland m\$	235
0400	<u>WXIL</u> 95.1 WV Parkersburg r\$	225		o/WIMA Lima OH	

The August and early September tropo conditions have been the best openings ever heard here. New member Dave Brumfield is temporarily living with me, so these stations also apply to his log total of 327. He began DXing from Muncie last December. My total is now 806 with 188 Ed. band stations. 30 states plus DC have been heard. Many relogs were heard this month, but I've listed the rarest ones only. 73, Ralph

PLEASE READ: Since I have been your editor for Northern FM DX, I have found the typing to be an enjoyable, but very time consuming task each month. To make the job easier, not only for this editor, but for all editors, please be certain the spelling of cities, call letters, and frequencies are correct. I have found many errors in various reports. Having to check the FM Atlas frequently wastes a great deal of time. If for some reason, you would like your report to be typed in a large paragraph, I suggest you receive permission from HQ before sending the report to your editor. The column format is the standard procedure. Having to reorganize a large paragraph into columns would be an endless job for any editor. If possible, please type or print your report, if hand written. Using the best grammar within your comments is also helpful. These suggestions will keep the VUD superior as always.

SOUTHERN · F M D X

Danny Buntin, editor
1312 N. Skyline
Stillwater, OK 74074

SEPTEMBER, 1979

DEADLINE: 9th

AUGUST IS MUCH BETTER THAN LAST YEAR

August wasn't such a bad month for E-skip according to some reporters, a pleasant surprise after a rather dull June and July. The seventh was a particularly good day with a maximum distance of 1530 miles logged, making 2Es suspect. So this August was really better than the last one. Things were also looking up in the MS department, too, as the Perseids made their annual return. Trope did not put on a real strong show during August. All tr openings stayed under 500 miles. Hopefully, that will double this fall.

Pat Lyster, 5315 Silvertip Dr, San Antonio, TX 78225 - July 2 to Sept. 4 GST

Equipment: Hallicrafters CX-62 w/International Crystals model SAY-1 preamplifier(s); Archer six-el. FM antenna at 20 ft. w/rotor. new underlined, t-tentative

7/2 Es
 0811 WLSO 92.5 SC Greenville, loc. ad
 0816 WFDt 88.5 SC Winston-Salem, c 1150
 WLOS 99.9 NC Asheville, psa, ad 1010
 0824 unID 107.9 (MUF)
 0846 WVEF 98.1 FL Lakeland, ad 1010
 WMLB 94.5 FL Daytona Beach, 1055
 "Love FM 95"
 0850 WCKW 104.1 FL Orlando, "BJ-105", ID
 0854 WNY 108.7 FL Leesburg, area ad 1010
 0856 WDFW 109.9 FL De Land, ID 1040
 0858 WWSB 91.5 FL Crystal River, g, ID
 0859 WWSB 97.9 SC Columbia, k, ID 1075
 0901 WJSE 97.7 GA Griffin, ID 880
 0913 WFTT 82.5 SC Columbia, ad 1075
 0923 WANC 98.1 NC Whiteville, psa 1200
 0928 WTV 98.5 GA Atlanta, ID 880
 0930 WSTS 98.5 NC Laurinburg, ID 1165
 0933 WJHL 98.1 NC Fayetteville, ID 1200
 0941 WJSE 98.9 NC Goldsboro, "Q-96" 1260
 0948 WJSE 98.7 NC Raleigh, ID 1230
 0948 WJSE 98.7 NC Greensboro, "K-99" 1175
 0953 WJSE 108.7 IL Des Plaines, nc, ID 1050
 0955 WJSE 98.9 NC Burlington, ID 1190
 0958 WJSE 98.5 WI Milwaukee, wx 1100
 WJSE 98.9 NC Concord, ID 1120
 0959 WJSE 98.5 NC Eden, ID 1180
 1000 WSPt 98.9 SC Spartanburg, ID, ads
 1006 WJSE 106.5 NC Salisbury, ad 1130
 1009 WJSE 98.7 WI Milwaukee, ad 1100
 1010 WJSE 98.7 MI Manistee, area ads 1215
 1011 WJSE 104.1 NC Winston-Salem, ad 1150
 WJSE 108.7 NC Statesville, ID 1110
 1015-1017 mIDs, mostly Carolinas
 1035 WJSE 97.9 WV Fairmont, area ads 1250
 1038 WRVQ 94.5 VA Richmond, local ad 1325
 mIDs to 1100, mostly 92-94 MHz
 1240-1240 unIDs 88.5
 1955-2000 unIDs, 3 t's from Los Angeles

7/4 Es
 1847 WSCI 89.3 SC Charleston, c 1120
 1848 WFXI 95.1 SC Charleston, ID 1120
 1852 WWZt 93.5 SC Summerville, r 1110
 1855 f/out

7/6 Es
 0828 KQDYt 94.5 ND Bismarck m 1200
 2030 WUOT 91.9 TN Knoxville 990
 2032 WBYT 89.7 TN Chattanooga, g 865
 2036 unID 94.9 (MUF)

7/6 Es
 lull to 2103, unID 88.3 soon f/out
 7/7 Es
 0915 KEYAt 88.5 ND Belcourt, j 1335
 0917 KESD 88.3 SD Brookings, psa 1020
 0918 unID 94.9 (MUF)
 KLYXt 93.5 SD Sioux Falls, m 970
 0928 KFJMT 89.3 ND Grand Forks 1240
 KUSDt 89.7 SD Vermillion 920
 0930 f/out
 2005 KFJMT 89.3 ND Grand Forks 1240
 KEYAt 88.5 ND Belcourt 1335
 KJMT 93.3 ND Jamestown, m 1200
 2008 KQDY 94.5 ND Bismarck, psa 1200
 2010 KDLot 96.9 SD Garden City, m 1090

7/8 Es
 1120 XEBS+ 89.7 DF Mexico City 690
 XEJPt 93.7 DF Mexico City
 1130 XHQKt 91.3 DF Mexico City
 XHNPt 89.3 Pue Puebla 735
 1145 XHM 83.9 DF, Mexico City, ID 600
 (out of the country from July 9 to Aug. 2;
 back in San Antonio Aug. 3 but equipment not
 fully set up again until Aug. 4)

8/7 Es
 1535 unIDs 83.9, 94.1 KBYU t, KALL t
 1622 CJCM 88.7 OH Windsor, ID, ads 1230
 1645 unID 97.3(MUF)
 1659 WEMU 89.1 MI Ypsilanti, ID 1200
 1830 WJSE 107.1 OH Circleville, ID 1125
 1832 WJSE 99.1 OH Dayton, local ad 1075
 1835 WNCI 97.9 OH Columbus, ID 1135
 1837 WTUE 104.7 OH Dayton, area ad 1075
 1844 WDAO 107.7 OH Dayton, ID
 1847 MUF 107.9
 1849 WRAY 90.1 IN Princeton, area ad 870
 1850 WOKV 103.5 OH Hamilton, area ad 1045
 1854 WJSE 104.1 TN Kandle, ID 1045
 1900 WJSE 106.9 IN Marion 1050
 1905 KTUF 106.3 TX Terrel Hills, ads, (EW) local
 1907 WJOT 104.7 OH Toledo, local ad 1185
 1909 WJQO 98.1 KY Lexington, "Double Q" 995
 1918 WJSE 95.1 WV Parkersburg, ad 1180
 1925 WJSE 95.5 IL Chicago, local ad 1045
 1925-55 unIDs to 98's
 1956 WJFMt 94.9 TN Greeneville, TN nx 1020
 2007 WJWrt 89.1 VA Roanoke 1195
 Dyer, cont.

8/7 Es
2015 WXBQ 96.9 VA Bristol, ID 1060
soon f/outs

8/10 Es
0915 WNCU 89.7 FL Miami 1150
0910 WWL 93.9 FL Miami Beach, "Love 94"
0920 WINZ 94.9 FL Miami Beach, area ad
1624-45 unIDs 88-89
1646 WWOJ 98.1 MN St. Cloud, ad 1140
1653 KEZZT 99.1 MN Mankato 1045
KQWBt 96.7 MN Moorhead, r 1205
1658 KVLK 95.3 MN Detroit Lakes, ad 1215
1719 KELO 92.5 SD Sioux Falls, ID, "FM92"
1724 KKOK 95.7 MN Morris, ID 1125
1732 WPMWt 97.9 ND Fargo, g 1200
1734 WDAYt 93.7 ND Fargo, m
1750 KLFD 95.3 MN Litchfield, ID 1110
1755-1814 lull
1814 KBEM 88.5 MN St. Paul, ID 1110
sull to 1840
1842 WYSP 94.1 PA Philadelphia, ID 1500
soon f/out
2113 KESD 88.3 SD Brookings, SD psa 1020

8/15 Es
0900-0945 unIDs 88-98 thru most 88-90
0944 WNLV 94.5 FL Daytona Beach, area ad
0947 WDBO 92.3 FL Orlando, area ad 1035
0958 WFMF 94.1 FL Lakeland, local nx1010
0959 WRYO 98.5 FL Crystal River, g, ID
0959 WHOO 96.5 FL Orlando, ID 1035
1000 WUSF 98.7 FL Tampa, area pgm 985
1008 WTAIt 107.1 FL Melbourne, r 1090
WSKO 106.7 FL Ft. Lauderdale, "S107"
1011 WOVV 95.5 FL Ft. Pierce, ID 1115
1020 f/outs
1115-1125 unID 88-89 Spanish
1129 TG-- 88.1 Guat Guatemala City 1120
1137 TGRT 88.8 Guat Guatemala City
1140 TG--t 88.6 Guat " "
1200-20 lull
1220 XHNpt 89.3 Pue Puebla 735
1227 XHM 88.9 DF Mexico City, ID 690
1230-40 lull
1259 XEBS 89.7 DF Mexico City, town ID
1305 approx. f/outs; lighting storm in
this area

(Aug. 16-19, at the Central States VHF
Society convention at Irving, TX; took
Patrolman-9 but too many locals in Dallas,
Fort Worth area to try any tropo with)

8/23 Es
0835-48 WSCIt 89.3 SC Charleston 1120
1720 XHRM 92.5 BCN Tijuana, ID 1100
1723 XHIS 90.3 BCN Tijuana, town ID
1725 KSDSt 88.3 CA San Diego, j 1120
1727 KFSD 94.1 CA San Diego
KBZTt 94.9 CA " "
KIFMt 98.1 CA
1731 KOZnt103.7 CA
KYYX 96.5 CA , local ad
1733 KEcrt 93.3 CA El Cajon 1100
KPBSt 89.5 CA San Diego, c
KGBt 101.5 CA San Diego, r
KFMBt100.7 CA San Diego, r

8/23 Es
1735 KKOS 95.9 CA Carlsbad, ad, "K-96" 1125
1739 KJOIt 98.7 CA Los Angeles, m 1190
KWXY 98.5 CA Cathedral City 1080
KZLA 93.9 CA Los Angeles, area ad
1740 KLOSt 95.5 CA Los Angeles, r 1190
KPSGt 95.3 CA L. A.
KNETt 94.7 CA L. A.
XHQPt 98.9 BCN Tijuana 1100
1742 KMG0 105.1 CA L. A.
KNACT105.5 CA Long Beach 1180
1743 KFOQ 106.7 CA Pasadena, ID, r 1185
KRTH 101.1 CA L. A., ID, ads 1190
1747 KOST 103.5 CA " " "
1748 KWST 105.9 CA ID
1756 KPOX 93.5 CA Redondo Beach, area ad, ID
1759 KACEt103.9 CA Inglewood 1195
KNOB 97.9 CA Long Beach, ID 1180
KDEST104.7 CA Palm Springs, m 1090
1802 WKVE 107.9 CA San Clemente, nx, ID 1150
1803 KHTZ 97.1 CA L. A., area nx 1190
1805 KHAY 100.7 CA Ventura, local nx 1250
1807 KBIGt104.3 CA L. A., m
1819 KDOLT 97.7 CA Mojave, m 1200
ten minute lull then:

1829 KLUC 98.5 NV Las Vegas, local ad 1050
1830 KLLAt 95.5 NV Henderson, g 1040
KENOt 92.3 NV Las Vegas 1050
1831 KXTZ 94.1 NV Henderson, area ad 1040
1842-likely f/out
1955 brief unID 90.1, 95.7
1006-2035 unIDs most likely to 98's CA, NV

2045 KWTC 94.3 CA Barstow, local ads, wx
2047 KDB 93.7 CA Santa Barbara, local ad
KBBYt 95.1 CA Ventura, r 1250
2100 KFACT 92.3 CA Los Angeles, c 1190
KCSNt 88.5 CA Northridge 1210
2102 KSUB 92.5 UT Cedar City, nx, ID 1005
2110 f/outs

8/24 Es
2025 KPCSt 89.3 CA Pasadena 1185
KCSNt 88.5 CA Northridge 1210
2030 f/outs 89.7 MUF

8/30 Es
1045-1100 unIDs to 94.7
1059 WHWCt 88.3 WI Golfax 1130

9/1 Es
1932 KENCt 92.3 NV Las Vegas, r (brief) 1050

A very healthy Es showing in August,
considering how poor May and June looked.
Aug. had 6 days, 13 openings, and some 630
minutes. Looking at previous years:

3-4-85 - 1978
4-5-190 - 1977
8-14-375 - 1976
7-19-890 - 1975
4-7-115 - 1974

With my three weeks out of the country
there's no way to see how July might have
fitted in.

73, Pat

more reports, cont.

John F. Combs, 2485 Ivan Ct., Orlando, FL 32807

8/2 Es
 1435 KPFT 90.1 TX Houston, prev by tr 855
 1647 KUHF 88.7 TX Houston, " " 855
 1720 KSYN 92.5 MO Joplin 940
 1722 KOBC 90.7 MO Joplin
 1728 KPTS 94.7 MO Springfield 895
 1729 KSAR 95.9 AR Salem 790
 1729 KWFM 93.9 MO West Plains 805
 1732 KLSR 92.7 MO Mountain Grove 845
 1734 KCKN 94.1 KS Kansas City 1045
 1735 KWKI 93.3 MO Kansas City
 1735 KCRZ 94.9 MO Kansas City
 1737 KMRJ 96.9 KS Pittsburgh 960
 1744 WIBW 97.3 KS Topeka 1085
 1745 KFBD 97.7 MO Waynesville 870
 1747 KTRQ 89.9 KS Leavenworth 1070
 1801 KCMW 90.9 MO Warrensburg 970
 1811 KHGC 90.1 KS Hutchinson 1175
 1812 KLJC 88.5 MO Kansas City. 1050
 1814 KTRX 93.5 MO Tarkio 1135
 1817 KGRC 92.9 MO Hannibal 965
 1830 WOI 90.1 IA Ames 1145
 1832 KMAZ 92.9 NE Beatrice, new cl 1175
 1842 WAAG 94.9 IL Galesburg 980
 1900 MUF really dying, but had to leave anyway!

8/7 Es
 1540 WNGX 93.1 ME Portland 1220
 1542 FM f/out
 1720 CJRT 91.1 ON Toronto 1060
 1720 CFL 94.1 ON Toronto 1060
 1720 GRAY 93.1 ON Barrie 1095
 1725-1802: I'm away....
 1803 unID 88.9 French--who???
 1816 WJHT 89.1 NY Schenectady 1070
 1816 WPUV 90.1 VT Burlington 1200
 1825 WEZE 92.9 VT Burlington
 1957 WTAZ 88.3 MI Interlochen 1160
 2010 WNUU? 90.1 MI Marquette, tent.
 2012 WJAI 92.9 OH Eaton 790
 2015 WDOR 93.9 WI Sturgeon Bay 1135
 2025 WDFM 90.9 WI Wausau 1160
 2025 WGNR 87.3 WI Green Bay 1135
 2026 WIPV 89.1 IN Ft. Wayne 885
 2030 WZRT? 93.1 IL Chicago, tent.
 2034 WMAI 94.7 IL Chicago 985
 2035 MUF 97.1 Mhz 2 Es??
 2052 KSPZ 92.9 CO Colorado Springs 1530
 (Local ad confirmed w/directory assistance, I hadn't even realized there was Es to the west taking place!)
 2100-2137: I'm away....
 2140 KBREZ 92.9 OK Tulsa 1005
 2140 KSPI? 93.9 OK Stillwater, tent.
 2146 KNCG? 92.5 OK Oklahoma City, tent.
 2146 KOSU? 91.7 OK Stillwater, tent.

8/8 tr
 2235 WMFR 88.1 SC Sumter 375
 2239 WKKM 101.3 SC Sumter, no legal ID at 2300
 2239 WKYP 100.9 SC Walterboro 320
 2241 WEZL 103.5 SC Charleston 310
 2246 WWWZ 93.5 SC Summerville 325
 ("3WZ: non-ID reminds me of my days in BCB DXing when WWWE, Cleveland was always "3WE")
 2308 WPXI 95.1 SC Charleston 310
 2310 quit--to bed!.....
 more

8/10 Es
 2007 WTPM? 92.9 PR Aguadilla, tent.
 2013 WORO 92.5 PR Corozal 1175
 2020 WIPR 91.3 PR San Juan 1185
 2022 WOYE 94.1 PR Mayaguez 1155
 2023 WKJB 99.1 PR Mayaguez
 2029 WAEL 96.1 PR Mayaguez
 2043 KMAZ 92.9 NE Beatrice 1175
 2045 KLJC 88.5 MO Kansas City 1050
 2045 KCMW? 90.9 MO Warrensburg, tent.
 8/12 tr
 2305 WFIT 91.5 FL Melbourne, 10 watts 50
 8/13 MS
 0030-0230 Many bursts, no ID's
 0835 KGRC 92.9 MO Hannibal, local ad 965
 8/14 tr
 1007 WOOF 99.7 AL Dothan 300
 (Had planned to rise at 0330 for more Perseids MS, but alarm failed. It figures...)
 8/15 Es except WZAK which is MS
 0724 WNWV 90.1 MI Marquette 1315
 0740 WAZK 93.1 OH Cleveland, pre. by Es 885

(Following logged mobile in and around Kissimmee FL-- are countable in Orlando logs.)
 1159 KOPN 89.5 MO Columbia 975
 1200 KUMF 88.5 MO Rolla 900
 1201 KRMS 93.5 MO Osage Beach 935
 1228 ZEM 89.1 BA Hamilton 1040
 1234 KCSC 90.1 OK Edmond 1055
 1243 KETR 88.9 TX Commerce 945

8/16 Es--BANG UP PUERTO RICO OPENING TODAY!
 0941 unIDs 88.7/9, 91.1, tent. CUBA, (see cont.)
 1011 WIPR 91.3 PR San Juan 1185
 1012 WTPM 92.9 PR Aguadilla 1140
 1015 WOYE 94.1 PR Mayaguez 1155
 1015 WRPD 95.1 PR San German 1160
 1015 WMLD 96.9 PR Manati 1165
 1015 WBRQ 97.7 PR Cidra 1200
 1016 WFRM 98.5 PR San Juan 1185
 1016 WZVS 98.9 PR Vieques/Culebra 1250
 1017 WKJB 99.1 PR Mayaguez 1155
 1018 WUPR 104.1 PR Utuado 1170
 1018 WYXX 100.7 PR Bayamon 1180
 1019 WSRX 93.7 PR San Juan 1185
 1020 WCMN 107.3 PR Arecibo 1165
 1023 WKAQ 104.7 PR San Juan 1185
 1024 WLEO 101.9 PR Ponce 1175
 1036 WIOB 99.9 PR San Juan 1185
 1047 MUF suddenly drops to TV ch. 2!!
 (WZVS and WYXX listed as CPs in Ondas FM-- separate from WKAQ-AM as only FM ment. in ID)

All FM Es died after the great Puerto Rican opening. It seemed like I could have logged every PR FM if I had no locals! That morning, during short 400-600 mi. Es to Cuba, I had unIDs on 88.7/9 (jazzyish instrumentals) & 91.1 (SS-language vocals) which may be new Cuban FMs!! KSPZ was a nice surprise on the 7th. I sent then a letter & tape of the reception, but so far no QSL. FM log now "stalled" at 372 stations (213 ES) from 26 states, 31 TPU's. Hope fall tropo will ad to those totals!

Vernon Eaton, 82 Springhill Acres, Benton, AR 72015 501-847-2066

Equip: Sony 5130 tuner, horiz. stacked CM ant. on Ham II rotor.

In general, June was a good month down here. Some good, medium tropo openings developed in all directions. I got my first E-skip openings. That was quite a thrill. I got four varifications so far.

6/2 tr

0012 WRHM 90.3 AL Birmingham, ID, c 350
0014 WAPI 94.5 AL Birmingham, ID

6/3 Es

1730 WFUN 92.5 FL Key West, ID, \$, m 1025
(I'm thrilled. This is my first Es. I had it for about 15 minutes over 600 miles of the Gulf. I got two perfect actual ID's. I tried in vain for one hour to cash in on this opening. I suppose it moved on to sea where there are no stations.)

6/4 tr

0707 KOFM 104.1 OK Oklahoma City, ID 350
0717 KPLX 99.5 TX Dallas, ID 275
0719 KHEN 99.5 OK Henryetta, ID 250
1020 WJFR 96.3 MS Jackson, \$, g 250
1025 KSCS 96.3 TX Ft. Worth, k 285

I was so thrilled my first Es opening that I could work good with was up and over the beautiful Rockies. For an hour and a half I had stations coming on about every frequency up to 97 Mhz. It was fun to watch it start at 88.5 and gradually work up to 97 Mhz. Due to the fact I had stations coming in from three different states, varying from 850 to 1200 miles, I was afraid to assume any catch. I hung in and got six actual ID's. The people were great on their ID's.

I want to thank Dr. Bruce Elving for helping me recognize when Es is present. He said no matter how directional your antenna is you will always pick up Es coming from any direction. You then zero in on it and things really pop. I have read everything I can find on Es and no article has mentioned something I discovered accidentally today. Your signal meter just goes crazy on any Es catch. You can start on the low side of the dial and find exactly where the Es stops. I am sure I have missed many openings not knowing about the "nervous signal meter" indicating Es.

6/10 tr

0838 KUHF 88.7 TX Houston, L 380
0852 KERA 90.1 TX Dallas, p 275
0903 KVIU 91.3 TX Beaumont, ID, L 350
0908 KOSU 91.7 OK Stillwater 275
0700 KWJM 92.7 LA Farmerville, k 200
2103-2116, 13 in from Dallas-Ft. Worth in \$

2205 KMLA 103.9 AR Ashdown, ID, m
(This station is adjacent to a local 100,000 watt, been trying to get it for two years.)

6/19 tr

0733 KJNA 99.3 LA Jena, m 210

6/21 MS

1845 XHNP 89.3 PUE Puebla 1050
(I know this was Puebla, MX because it was in Spanish and the only MX station on 89.3. I recorded it and listened several times. It was a good clear meteor burst.)

tr:

1942 KQID 93.1 LA Alexandria, ID, \$, p
2150 KBIA 91.3 MO Columbia, ID, c 300
2159 KAMU 90.7 MO St. Louis, ID 300
2203 KADI 96.3 MO " " "
2204 KMOX 103.3 MO " " "

6/22 tr

0800 WSOX 89.9 KY Madisonville, ID, g 375
0805 WKMS 91.3 KY Murray 300

6/8 tr

0910 KUHF 88.7 TX Houston, ID, \$, c 350
1118 KJCS 103.3 TX Nachadoches, ID, \$, k 250
1225 KGAC 106.3 AR Walnut Ridge, ID, r 100
(63rd station logged in AR out of 70 stations in that state. Problem in past was a local on same frequency.)

1800 KEBC 94.7 OK Oklahoma City, k 350

6/8 Es

2030 KRAI 93.9 CO Craig, ID, \$, m 975
2048 KGNA 88.5 CO Boulder, ID, \$, r 850
2049 KBVL 94.7 CO Boulder, ID, \$, m
2050 KMJD 92.1 CO Castle Rock, ID, \$, k 800
2055 KWHC 93.3 UT Salt Lake City, ID, \$1200
2110 KQSW 96.5 WY Rock Springs, ID, \$, k 925
2145 KAWY 94.5 WY Casper, \$, r 1000

6/22 tr

2305 KFNB 101.9 OK Oklahoma City, ID, \$ 350

6/23 tr

0809 WKDF 103.3 TN Nashville, ID 350
0820 WSIX 97.9 TN Nashville, ID, k

6/26 tr

2205 KAJN 102.9 LA Crawley, ID 350
2245 KOGM 107.1 LA Opelousas, ID, p 325
2305 WTGI 103.3 LA Hammond, ID, \$, p

7/1 Es

1930 XHM 88.9 DF Mexico City, ID 1050
1935 XEBS 89.7 DF " " "
1938 XEJP 92.7 DF
1950 XHSH 95.3 DF
2000 XHUA 90.1 CH Chihuahua, ID 950
2015 XHNP 89.3 PUE Puebla 1050
2018 XHZM 92.5 PUE " " "
2019 XHRA 93.3 PUE
2023 XHRA 89.1 JAL Guadalajara, ID 1080

(A beautiful Es opening for one hour. I taped all catches and had a Spanish interpreter to decipher my loggings.)

7/8 Es

1357 XHJL 91.3 JAL Guadalajara 1080
1359 XETI 97.9 JAL " " "
1407 XHIC 98.7 JAL

7/8 Es
 1415 XEBA 97.1 JAL Guadalajara, ID 1080
 1418 XHSH 95.3 DF Mexico City 1050
 1421 XEBS 89.7 DF Mexico, ID
 (A real rarity, I think, to catch Es into the same area within a week. One good thing about Mexican DX is that there is only one or two stations on the same freq. and they will never be near.)

7/9 tr
 2030 KTJJ 98.5 MO Farmington 200
 7/19 tr
 2222 WDDD 107.3 IL Marion, ID 290

7/29 Es
 1630 WRLM 93.3 MA Taunton, ID, \$ 1350
 1634 WBCS 92.9 MA Brookline-Boston
 1740 WHAV 92.5 MA Haverhill 1375
 (I guess I caught the tail end of this one. It was great for 10 min.)

7/29 tr
 1759 WKMS 91.3 KY Murray, ID 300
 1815 WZEZ 92.9 TN Nashville, ID 350
 7/30 tr
 2315 KBID 92.3 TX Wichita Falls, ID 350
 2325 KKNG 92.5 OK Oklahoma City, ID 325
 2330 KEBC 94.7 OK Oklahoma City

July fared good for me. I got a good opening to SW July 1 and 8 into Mexico, surprisingly into the same general area. Then it was slow the rest of July. On July 29, I had a beautiful opening to the NE, lasting only 10 min. I got two actual ID's during that time. Tropo hasn't been very good down here yet.

Rick Samford, 404 S. McNeill, Burnet, TX 78611 - Aug. 7 to Sept. 4 CDT

8/7 Es
 1954 WSAI 94.1 OH Cincinnati
 1956 WXIL 95.1 WV Parkersburg
 1958 WEBN 102.7 OH Cincinnati
 1959 WPAY 104.1 OH Portsmouth
 2000 WKRQ 101.9 OH Cincinnati
 2005 WRSL 95.9 KY Stamford
 2006 WHPW 89.9 WV Huntington, WV PR net ID,
 "Star Date" astronomy program produced
 at nearby U. of TX at Austin.

2013 WTQR 104.1 NC Winston-Salem, k
 2030 WPVR 94.9 VA Roanoke, wx, ad,
 "K-95"

8/12 ES (Parrieds, w/bursts taped manually
 0111 WLSI 95.1 WI Marinette, "Marinette
 1175 Stevenson Ave., or call them collect
 at Area Code 5-735-1540" Weak burst, so
 some of the numbers may be incorrect.

KLSN 104.1 had been heard testing (often simulcasting w/99.3) off and on since July 25. Although I heard them playing mx quite some time before this. The 0558 sign on was supposedly their initial sign on at 104.1 (this has now been moved to 0545). Promos about the new freq. had been heard over the weekend, even on 104.1. As mentioned earlier, KIXV is my 200th TX FM hear, a rather unremarkable feat which took some 25 months to accomplish. Unfortunately, well over half of these are essentially full-time signals, so DX is hindered more and more as time passes. Incidentally, Brady, TX is located some 15 mi. SW of the geographical center of TX, also in McCulloch County, while Burnet is around 70 mi. SE of the center.

Tim McVey, Rt. 3, Box 568, Bolivar, TN 38008 - July to mid-August

I've been so busy this summer, there's been little time to DX except in the mid-morning and late evening hours. This summer's activity (FM and TV-wise) has been much better than usual in the South, which bugs me when I think of last summer... I sat around day after day after day and had ONE single Es opening (June 30th). My station total: 325, two new states. Here, July only had two Es openings compared to June's 8. (51 Es stations for June, 21 for July).

Rx is JVC JT-V22 w/Archer ant. at 35'. New loggings underlined.

7/5 tr
 2252 WBIR 103.5 TN Knoxville, ID 287
 2255 WEDC 100.9 IN Huntingburg, ID 220
 2300 WEZK 97.5 TN Knoxville, ad

7/7 Es
 0915 KRAI 93.7 CO Craig, ad, state # 28 1094
 0915 unID 93.7 ID Boise-Nampa, ad for 1573
 a lumber co. in Boise. Need a call!

-cont.-

7/7 Es
0930 KWHQ 93.3 UT Salt Lake City, ad 1315
(UT 29th state)
2115 unID 93.3 rock \$, signal to 3; \$ 93"

7/17 tr
0835 WRAJ 92.7 IL Anna 148
0905 WHRZ 97.7 KY Providence 137
1702 WBIR 103.5 TN Knoxville, ad 287

7/22 tr
0000 KRAV 96.5 OK Tulsa, ad 403
0010 WLL 92.3 MO St. Louis, ID 255
0045 WFMI 98.9 AL Montgomery, ad 247
(probably meteor scatter)

7/27 Es
2108 unID 92.5 easy \$
2300 WBLX 92.9 AL Mobile, (tr) 322

7/29 Es
1508 KAMA 93.1 TX El Paso 1042
1510 KDSL 92.3 TX El Paso, came in over
100 kw WKBJ only 50 mi. away in stereo!
1512 KPAS 93.9 TX El Paso
1515 KOB 93.3 NM Albuquerque, ID 1000
1517 KLYT 88.3 NM Albuquerque, DJ greeting
listeners in Tennessee, "Albuquerque's light
spot....K-lite"

1519 KTXT 88.1 TX Lubbock, hard r, ID 772

I sure wish someone would recognize the formats or non-ID's of the 8/10 unID. In my FM atlas there is only four possibilities for 92.9. (KWFM, KAFP, KFTR, KSVP) Here's wishing you lots of 2-hop ES or F2 on your day off from work....73, Tim.

Neil Dickerson, 426 State St., Sharptown, MD 21861 - June 12 to Aug. 7
Rx. Panasonic Technics SA 5570 with stacked Channelmaster ants. at 50 ft., rotatable.

6/12
1500 WHLA 90.3 WI La Crosse 895
1730 WZFM 98.3 WV Charles Town 135

6/13
1900 KKBG 92.1 AR Fayetteville 1050
1915 KTLO 98.3 AR Mountain Home 950
1920 KKNC 92.5 OK Oklahoma City 1250
1920 KEBZ 92.9 OK Tulsa 1150
1930 WAWK 93.3 IN Kendalville 560
1937 KCSC 90.1 OK Edmond 1235
1940 KTEN 93.3 OK Ada 1210
1952 KRLG 98.1 OK Lawton 1315
2015 KBID 92.9 TX Wichita Falls 1335
2030 KTFX 103.3 OK Tulsa 1150
2045 WESA 98.3 PA Charleroi 255
2100 WNCQ 97.5 NY Watertown 410

6/15
2000 WMHK 89.7 SC Columbia 450

6/16
1430 WBKW 99.5 WB Beckley 310
1500 WKPT 98.5 TN Bristol
1513 WMFR 99.5 NC High Point 310
1535 WVVV 104.9 VA Blacksburg 180
1600 WJJS 101.7 VA Lynchburg 215
1635 WHAJ 104.5 WV Bluefield 320
1640 WTZE 100.1 VA Tazewell 330
1700 WPTM 102.3 NC Roanoke Rapids 195
2000 WKLP 94.1 WV Keyser 195
2100 WCOO 106.1 MA Hyannis 380

7/29 Es
1520 KSET 94.7 TX El Paso
1528 KQIZ 93.1 TX Amarillo, ads, "Z-93" 751
1530 KTEP 88.5 TX El Paso, ID
1533 KRKE 94.1 NM Albuquerque, ad
1545 KACV? 89.9 TX Amarillo
1551 KTDE 89.7 NM Ramah, ID 1110
1630 WNNS 97.5 KY Louisville, ID (tr) 272

7/30 tr
0005 KBIA 91.3 MO Columbia, ID 322

8/7 tr
I heard WMAP Indianapolis on 93.1 again
around 2140, so I turned the antenna northward
and got.....

2200 WDZQ 95.1 IL Decatur, ad, "95-Q-Country"
2240 KGRC 92.9 MO Hannibal 343
2242 WFQJ 93.7 OH Miamisburg, ID 395
2255 KYYS 102.1 MO Kansas City 415
2305 WOKA 103.5 OH Hamilton, ID, disco
2320 WSMI 106.1 IL Litchfield
2328 WTLC? 105.7 IN Indianapolis, j,\$ 355

8/8 tr
0805 WGEM 105.1 IL Quincy, ad, "gem country"
0825 KZNN 105.3 MO Rolla 250
0844 KOPN 89.5 MO Columbia 322
0900 KSWT 107.7 KS Topeka, ID 458

8/10 Es
2022 KBOW 94.1 MT Butte, ad 1462
2055 ??.....FM Mx Leader, FM-93"

6/23
1800 WCCE 90.1 NC Buies Greed 265

6/24
1315 KWVC 90.5 MO Columbia 920
1330 WIPR 91.3 PR San Juan 1300??
1900 WLRN 91.3 FL Miami 975
1905 KAYD 97.5 TX Beaumont 1225
1915 KQXY 94.1 TX Beaumont
1925 WKXI 94.7 MS Jackson 950
1930 KQXI 95.3 LA Bayou Vista
1930 WEZB 97.1 LA New Orleans 1035
1936 WTUN 100.1 AL Selma 790
1945 KHCB 105.7 TX Houston 1275
2000 WQYK 99.5 FL St. Petersburg 880
2000 WRKK 99.5 AL Birmingham 730
2010 WQDZ 96.5 AL Birmingham
2018 KSLI 96.9 LA Alexandria 1100
2025 KODA 99.1 TX Houston 1275
2030 WKRQ 99.9 AL Mobile 920
2045 KWIC 107.7 TX Beaumont 1225
2045 KAEZ 107.7 OK Oklahoma City 1250
2056 KARD 107.3 KA Wichita 1210
2100 KDNT 106.1 TX Denton 1280
2100 KRBE 104.1 TX Houston 1275
2106 KRRV 100.3 LA Alexandria 1100
2106 KCMR 100.3 AR Jacksonville 970
2125 KFMK 97.9 TX Houston 1275
2130 WPAP 92.5 FL Panama City 810
2130 WKLN 92.1 AL Cullman 705
2140 KESS 93.9 TX Ft. Worth 1315

6/24	Es			7/7			
2145	<u>KLOL</u>	101.1	TX Houston	1275	1411	<u>KSYN</u>	92.5 MO Joplin 1065
2156	<u>KYKX</u>	105.7	TX Longview	1170	1420	<u>KCEZ</u>	94.9 MO Kansas City 1045
2200	<u>WRR</u>	101.1	TX Dallas	1275	1430	<u>KWTO</u>	98.7 MO Springfield 1000
2200	<u>KLBO</u>	99.3	AR El Dorado	1040	1441	<u>KICT</u>	95.1 KS Wichita 1210
2205	<u>WOKM</u>	103.5	MS New Albany	805	1445	<u>KSMU</u>	91.1 MO Springfield 1000
2211	<u>KOKE</u>	101.5	TX Brownwood	1425	1456	<u>KBRA</u>	97.9 KS Wichita 1210
2215	<u>KBPT</u>	96.5	LA Shreveport	1140	1500	<u>KUSD</u>	89.7 SD Vermillion 1190
2221	<u>KSAR</u>	95.9	AR Salem	920	1515	<u>KWYR</u>	93.7 SD Winner 1340
2230	<u>KVTT</u>	91.7	TX Dallas	1275	1530	<u>KXTR</u>	96.5 MO Kansas City 1045
2231	<u>WBAM</u>	98.9	AL Montgomery	755	1537	<u>KRVN</u>	93.1 NB Lexington 1330
2240	<u>KTLS</u>	98.9	OK Oklahoma City	1250	1545	<u>KBCT</u>	95.9 IA Fairfield 910
2245	<u>KFMQ</u>	101.9	NB Lincoln	1155	1545	<u>KBCM</u>	95.5 IA Sioux City 1155
2255	<u>KEZO</u>	92.3	NB Omaha	1110	1550	<u>KNEN</u>	94.7 NB Norfolk 1215
2255	<u>KEFM</u>	96.1	NB Omaha	1110	1600	<u>KDCR</u>	91.3 IA Sioux Center 1160
2300	<u>KFAH</u>	92.1	NB Alliance	1480	7/10		
2300	<u>KSRD</u>	96.9	NB Seward	1200	2100	<u>WRLM</u>	93.3 MA Taunton 375
2250	<u>KLOQ</u>	106.1	KS Lyons	1245	2300	<u>WLOM</u>	104.7 MA Orleans 415
2300	<u>KKLF</u>	105.1	AR Conway	990	7/13		
2315	<u>WGSN</u>	99.7	KY Louisville	560	1500	<u>KRVS</u>	88.1 LA Lafayette, 10 watts??? 1135
6/25				7/16			
0230	<u>WQVE</u>	93.5	PA Mechanicsburg	140	1000	<u>KMMK</u>	95.3 TX McKinney 1270
0930	<u>KLJV</u>	92.1	SD Huron	1270	1056	<u>KNCT</u>	91.3 TX Kileen 1395
6/27				1100	<u>KOCV</u>	91.3 TX Odessa 1610	
0730	<u>WPRV</u>	88.9	SC Rock Hill	415	1115	<u>KZEW</u>	97.9 TX Dallas
6/29				1130	<u>WAMO</u>	105.9 PA Pittsburgh 310	
1420	<u>KSMU</u>	89.1	MO Springfield	1000	7/20		
1430	<u>KCLC</u>	89.1	MO St. Charles	820	1700	<u>KYFM</u>	100.1 OK Bartlesville 1135
1430	<u>KSOZ</u>	91.9	MO Point Lookout		1711	<u>KOLU</u>	94.3 MO Rolla 880
1438	<u>WBEZ</u>	91.5	IL Chicago	700	1730	<u>KDRB</u>	95.9 KS Derby 1220
1445	<u>KNOE</u>	92.1	MO Butler	1040	1731	<u>KVGB</u>	104.3 KS Great Bend, "FM 104" 1285
1500	<u>KWWR</u>	95.7	MO Mexico	900	1745	<u>KSWT</u>	107.7 KS Topeka 1090
1510	<u>WIL</u>	92.3	MO St. Louis	810	1752	<u>KBUF</u>	97.3 KS Garden City 1400
1515	<u>KGRG</u>	92.9	MO Hannibal	865	1800	<u>KULL</u>	94.5 KS Scott City 1420
1526	<u>WAGI</u>	92.1	IL Freeport	800	1800	<u>KTTL</u>	93.9 KS Dodge City 1360
1530	<u>WCAL</u>	89.3	MN Northfield	1020	1830	<u>KYEZ</u>	93.7 KS Salina, "Z-94" 1200
1530	<u>KEBA</u>	90.1	TX Dallas	1275	2030	<u>WTYD</u>	100.9 CN New London, m 280
1535	<u>KWKI</u>	93.3	MO Kansas City	1045	2100	<u>WQRC</u>	99.9 MA Barnstable 370
1540	<u>KDKD</u>	95.3	MO Clinton	1005	7/24		
1550	<u>KTEE</u>	100.7	MO Harrisonville	1040	1900	<u>KHCC</u>	90.1 KS Hutchinson 1225
1600	<u>KKKX</u>	95.7	KS Ottawa	1095	1915	<u>KWLS</u>	93.1 KS Pratt 1300
6/30				1922	<u>KDSA</u>	91.1 KS Wichita 1220	
1815	<u>CBC</u>	90.3	NF Marystown	1325	1930	<u>KFDI</u>	101.3 KS Wichita
1830	<u>CJCB</u>	94.9	NS Cape Breton, 675 w.!	1065	1939	<u>KEYN</u>	103.7 KS Wichita
1900	<u>CHOI</u>	98.1	PQ Quebec	675	1945	<u>KJAN</u>	103.7 IA Atlantic 1130
2000	<u>CJOZ</u>	92.1	NF Bonavista, "Radio Oz" 1475		2000	<u>KBCM</u>	95.5 IA Sioux City 1130
7/5				7/28			
1700	<u>CBV</u>	95.3	PQ Quebec	675	1930	<u>WAFM</u>	95.3 ME Amory 800
1730	<u>CBHA</u>	90.5	NS Halifax	860	1945	<u>WVL</u>	101.9 LA New Orleans 1035
1800	<u>CKOI</u>	96.9	PQ Verdun, French	550	1945	<u>KNOE</u>	101.9 LA Monroe 1060
1800	<u>CIGL</u>	97.1	ON Belleville, talk	445	1945	<u>WYNK</u>	101.5 LA Baton Rouge 1075
1815	<u>CKMF</u>	94.3	PQ Montreal, French	550	2000	<u>KEAZ</u>	101.7 LA De Ridder 1080
1830	<u>CHCZ</u>	93.9	NF St. Johns, "Radio Oz" 1435		2000	<u>WQZY</u>	100.7 LA Baton Rouge 1075
1830	<u>CHYP</u>	89.5	NF Portland Creek, Fr.		2015	<u>KZFM</u>	95.5 TX Corpus Christi 1480
1840	<u>CFQM</u>	103.9	NB Moncton, k	835	2030	<u>KRAV</u>	96.5 OK Tulsa 1150
1856	<u>CEN</u>	106.9	NF St. Johns, c	1435	2041	<u>KMOD</u>	97.5 OK Tulsa 1150
1900	<u>CKCL</u>	100.9	NS Truro	885	2045	<u>KJTL</u>	104.9 OK Bethany 1250
1900	<u>KCOZ</u>	92.3	NF Corner Brook	1235	2050	<u>KXXY</u>	96.1 OK Oklahoma City 1250
			("Radio Oz", r)		2100	<u>KJBS</u>	100.1 LA Bastrop, "KJ-100" 1030
1930	<u>CLOO</u>	100.1	NS Halifax, "C-100"	860	8/7		
2000	<u>CBZ</u>	101.5	NB St. John	745	1830	<u>KTGA</u>	92.1 IA Ft. Dodge 1050
2014	<u>CHFX</u>	101.9	NS Halifax, k	860	1845	<u>KGGO</u>	94.9 IA Des Moines 975
2030	<u>CPOZ</u>	100.3	NF Argentia, "Radio Oz"		1900	<u>WLBS</u>	102.7 MI Mt. Clemens 485
2100	<u>CBNR</u>	95.5	NF Ramea		1920	<u>WHSE</u>	107.7 MI Alpena 625
2130	<u>CFCQ</u>	98.5	NF Stephenville, talk(CBC)		1930	<u>WQUS</u>	92.5 VA Winchester, ex WRF, cont..
7/7							
1400	<u>KOEZ</u>	92.3	KS Newton	1215			

8/7
1945 WSFM 99.3 PA Harrisburg
2030 KUT 90.5 TX Austin

8/7
2000 WAYZ 101.5 TX Waynesboro

Hope everybody had an excellent DX season. 223 stations have been added to the log this season (165 taped). No new states were logged. Four new Canadian Provinces logged (NS, NF, NB, QUE). Although this season wasn't as good as last season some "firsts" were noted: The tr of 6/8 and 6/11, my first northern skip from NS, NF, QUE, NB on 7/5 and my first Chicago station logged on 6/29. In all a blast of a season. 73's.
TOTALS: 882/407

Randall B. Clark RT 9 BOX# 231(Dutch Ridge), Parkersburg, WV 26101 - August EDT

Equip: Realistic STA-42 (new, which I'll comment on later) with a three foot antenna at 45 ft. above ground level...five mi. east of Parkersburg, WV, one mi. away from WXIL-95.1. New underlined.

8/16 **FIRST DAY WITH THE STA-42!!**

1627 WETS 89.5 TN Johnson City
1653 WGUC 90.9 OH Cleveland
2314 WCED 102.1 PA Debois

8/17
1228 WDOC 95.5 KY Prestonsburg
1930 WVCS 91.9 PA California

8/18
0002 WCVO 104.9 OH Gahanna
0100 WBKY 91.3 KY Lexington
0139 WKQQ 98.1 KY Lexington
1632 WQIT 100.9 WV Grafton
(New class A stn. for area on for testing on their constriction permit!, trying QSL
2023 WITO 107.1 OH Ironton

8/19
0102 WAMU 88.5 DC Washington
(I was just about to kong out! After a day at the park I find WXIL in MONO plus they announce that there going to go off after 7 pm susepposably due to "annual maintenance. BULL!)

8/31
0013 WVTS 100.7 IN Terre Haute
0059 WIAN 90.1 IN Indianapolis
0101 WEDM 91.1, tent., religious??

8/19
2037 WMSK 95.3 TENTATIVE
2130? WYTK 95.3 PA Washington
2329 WFPG 98.1 PA Altoona
2330? CKO-FM/3 97.5 TENTATIVE

8/20
0030 WOOS 106.9 OH Canton
0051 WVKS 106.7 PA Beaver Falls
0059 CFCA 105.3 ON Kitchener
0114 WKZL 107.5 NC Winston Salem
(heard during test-etc.)
1506 WSRW 106.7 OH Hillsboro
0947 WETA 90.9 DC Washington
1040 WFGH 90.7 WV Fort Gay
1615? WJSN 97.7 KY Jackson
2116 WEZC 104.7 NC Charlotte

8/21
1936 WKYS 93.9 DC Washington

8/25
1400 WCVJ 90.9 OH Jefferson
1958 WKTL 90.7 OH Struthers

8/27 Es?
1123-1155 ?? tentative Es with a few umID's in-etc. (a "DUD" opening)

8/30
1400 WEZC is back in!
2130 WBLY 102.9 OH Springfield, back

As I said earlier, my have things changed! It really does make a difference with my new STA-42 rx. There are a few drawbacks to the STA-42 which is its Adjacent channel rejection curve which is "less than desired" at 34 db plus its image rejection is "less than I thought" but other than that it's a fine receiver. The dial is easy to aip through in case of Es, etc. Skip has been so scarce that it's really hard to believe! Just only one decent opening this summer!!(a few mini-openings with very little in)

I would like to thank area DXer, Robert Eddy of Newport, OH for his continuing help with addresses, etc. I would also like to welcome James Kingsbury of Grantsville, WV in the WTFDA!! (Thanks a lot for the call, Jim.) Well, 24 stations is not too bad as I'm nearing 300 or at 300 now plus 19 states, two provinces of Canada and Cuba tentative. Well the other thing that's too much in abundance is the rain! By the way the Tr was so much that the ABC feeds on WQAW was noisy on 8/30. I hope your DX was good where you live!--keep them cards and letters coming! Best of DX! Randy. 73.

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

Address is at upper right corner on first page of column. Happy DXing.
(My comments next month on my DX, DB)

#####

QSL CORNER

TV-QSL

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

- CKGN 6 Paris, Global TV Network gave one form, reply in 27 days for 17c in postage. Signer was Alan C. Willis, Asst. Dir. of Eng. with no mention of stations they have individually. Chernos
- CKCO-TV-2 2 Warton, % 864 King St. N., Kitchener, ONT N2G 1E8. Send 3 colour glossy pre-printed letter unsigned reply in 2 week. Ross
- CFPL 10 London, Ont. Received a QSL Card signed by W. T. Daley, Mgr Community Relations, reply in 1 week. Ross
- FL WEDU 3 Tampa, 908 S. 20th St, 33605. Letter from Orbra W. Harrell, CE. Boehl & Grant 2 reporters got the same wording QSL-Letter
- IL WBAU 19 Peoria, QSL letter on station letterhead paper from Steve Mullcranz, Eng in reply to my phone call. "Many people here were happy to hear your report" Enclosed copy of log, pen commemorating silver anniv., 1953-78. Goodman
- WORF 39 Rockford, 123 Kishwaukee St, 61104. Rapid verie on station stationery by Greg Miller in my SASE. Nice letter, says 0 offset, new station. Goodman
- IN WIPB 49 Muncie, 246 Minnetrista Blvd, 47303. Rapid response from George Molnar, CE who says "I remember that evening quite well. We had a failure in our RCA TTU-10A transmitter & all of our me worked until 6am next morning to get the unit working again. At the time you saw color bars, our xmtr was running at 25% of our 10kw, so our erp was down to only 40kw. Goodman
- MT KYUS 3 Miles City, P.O. Box 760, 59301. Replied to phone call on 2nd try (never got their first mailing) with qsl package-2 lighters, 2 pens & letter on station letterhead from David G. Rivenes. "We were hit by a very bad hail storm... knocked off the air for a while & intermittently since since then...papers, letters all strewn all over." Goodman
- MI WJRK 2 Detroit, 2 Storer Place, Southfield, 48037. Letter & map from Rod Luoma, Technical Director. Boehl
- NM KNME 5 Albuquerque. QSL Card from Don Morrow, CE. QSL on post card, not a qsl card came postage due 10c, they must of forgot the stamp. Hascall
- NY WOR 2 Buffalo, 259 Delaware Ave, 14202. Send QSL card, not signed & no verid date, reply in 13 days. Boehl
- NC WFMY 2 Greensboro, P. O. Box TV-2, 27420. QSL Card from Frank Willis, CE. with reply in 10 days. Boehl
- OH WVIZ 25 Cleveland, 4300 Brookpark Rd, 44134. Letter from Ralph E. Campbell, Director of Engineering. Eddie
- WUAB 43 Lorain, 8443 Day Drive, Cleveland, 44129. Letter from Harry Sykora, CE Eddie
- WPRO 42 Columbus, 2400 Olentangy River Rd, 43210. Letter from Dale Fish, Eng. Eddie
- WCET 48 1223 Central Pwy, 45214. Letter from Ed Middleton, Dir. of Eng. Eddie
- OK KTEW 2 Tulsa, Box 3002, 3701 S. Peoria Ave, 74101. Letter from John D. Barthm CE with reply back in 1 week. Lowery
- KOET 3 Eufaula, Letter with contour maps & info on OK State Educational Net. signed by Nancy Rush, Secretary to Dir. of OETA. Reply in 3 weeks. Ross
- TX KFDX 3 Wichita Falls, Send big 7" x 9" black & white QSL Card, contour map unsigned and reply in 3 weeks. Ross
- KMOL 4 San Antonio, QSL Card send back unsigned in 3 weeks. Ross
- WV WVU-24 Morgantown, P. O. Box 24, 26505. Letter & map of translators back from Manuel A. Marquez, Engineering Manager also verified reception of ch. 60 translator W60AB from Cacapon Mt. Reply back in 1½ months. Yingling

This has been an all TV-QSL month. There was no QSL Corner last month due to the work on the Baltimore Convention which was great. I like to thank all those who made it to Baltimore for making the convention a success as it was. This month reporters are Saul Chernos of Toronto, ONT (new reporter), Robert Ross of London, ONT, Leo Boehl of Grand Island, NE (a new reporter), Robert Grant of Detroit, MI (another new reporter), Robert Goodman, Cicero, IL, Dave Hascall of Fortville, IN, Richard Eddie of St. Louis, MO, Greg Lowery of Cadwell, GA & Tom Yingling, Editor, Baltimore, MD. Thats it for now, 73 & good dx. Tom Yingling.

PHOTO-NEWS

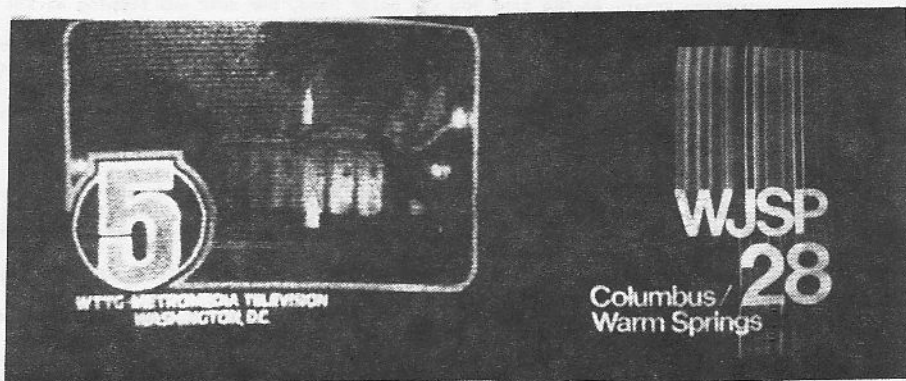
Jim Alexander
4 Brook Court
Parsippany, NJ 07054

October, 1979

Beginning next month, a new arrangement will be implemented for the publishing of this column. The photos will now be screened in advance in Buffalo, rather than sent on to Indiana for publication. This should eliminate some past problems with returning photos to contributors, and should save money as well (enabling more photos to be published). Contributors should also note, however, that the new arrangement will also have the effect of making the column less "current," as your editor's deadline is now advanced by about a month. It may yet be possible to publish photos on a current basis on the occasions when photos of recently received, extremely unusual DX (such as highband E-skip, etc.) are sent to your editor.

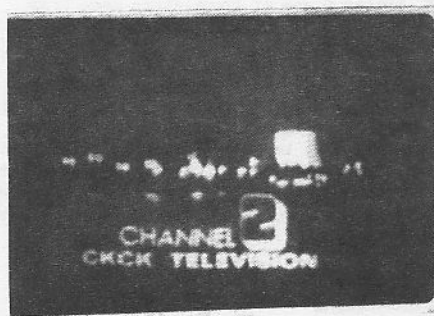
When submitting photos that are to be returned, be sure to follow the following guidelines: (1) Indicate that the photo should be returned; (2) Indicate if the photo is not to be trimmed; (3) send along an SASE for the return of the photos.

This month: another shot of Puerto Rican TV; another 400 mile tropo catch, and more...



WTTG- 5 Washington, DC
400 mile tropo (Gaines)

WJSP-28 Warm Springs, GA
355 mile tropo (Combs)



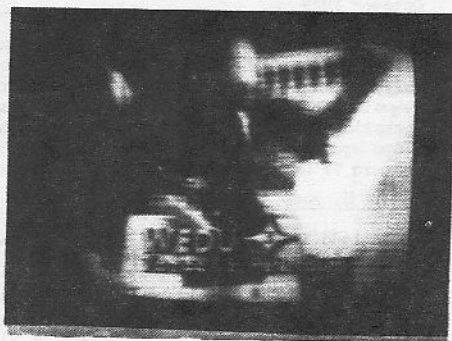
CKCK- 2 Regina, SK
890 mile E-skip
7/27/73, 2334 EDT (Petosky)



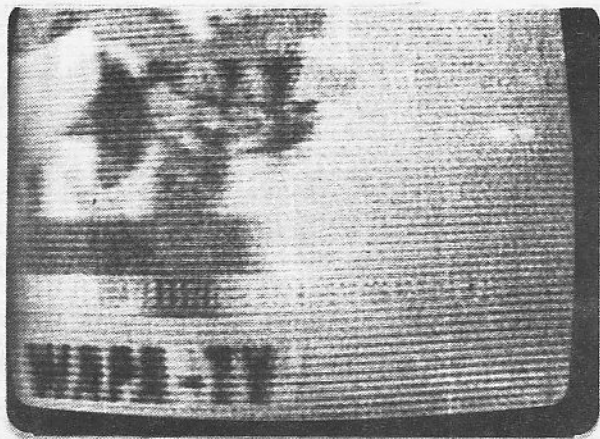
KJAC- 4 Port Arthur, TX
E-skip (Simon)



WOI- 5 Ames, IA
1,145 mile E-skip (Combs)



WEDU- 3 Tampa, FL
E-skip (Boehl)



WAPA- 4 San Juan, Puerto Rico.
1,200 mile E-skip
6/23/79, 2030 EDT (Thompson)



KIXT- 5 Lubbock, TX
E-skip (Pizzi)

Contributors:

- John Combs, Orlando FL
- Paul Petosky, Munising MI
- Ken Simon, (photo taken at West Palm Beach FL)
- Leo Boehl, Grand Island NE
- Wayne Thompson, Silver Springs FL
- Paul Gaines, Detroit MI
- Jim Pizzi, Orcutt CA

73 and good DX,

Jim

EASTERN TV-DX

Robert Kramer
3406 W. Pierce
Chicago, IL 60651

October 1979

Deadline: 5th

There continues to be a good number of E-skip loggings reported, especially from the eastern part of the United States. Rich Turesany reports Es nearly every day in July and June. Tropo, on the other hand, remained poor until late July and early August. The late part of August and the early part of September was well beyond sensational, as the November VUD will probably show. Your editor noted three great tropo openings: August 30-Sept. 1, Sept. 3-5, and Sept. 9-10. I'm sure the November Eastern TV DX will be filled with loggings from these.

Robert S. Ross VE3JFC Box 4373, Stn. G London, ON (EDT)

July	3 Tr 2329 CBLFT-48 ON	16 Tr 0700 WSEE-35 PA
2 Es 1448 WBRZ-2 IA	WKED-50 MI	0707 WUHQ-41 MI
1500 KATC-3 IA	2330 CICO-59 ON	20 Es 1415 KDIX-2 ND
1630 KARK-4 AR	2331 WGPR-62 MI	1430 KNOP-2 NE
1659 KETS-2 AR	2332 CBLFT-68 ON	1440 KWGN-2 CO
1714 KCKT-2 KA	CBLFT-78 ON	1537 KTWO-2 WY
1723 KTEW-2 OK	10 Es 1930 KATC-3 IA	23 Tr 1125 WNEB-45 OH
1740 KTVY-4 OK	12 Tr 0700 WEYI-25 MI	1126 WQIN-54 PA
1744 KTVS-3 CO	CKCO-2 ON	1130 WKBN-27 OH
1752 KARD-3 KA	Es 1300 KBTX-3 TX	1133 WFMJ-21 OH
1824 KQTV-2 MO	1358 KOET-3 OK	1143 CITY-79 ON
1831 KLINE-3 NE	1417 KFDX-3 TX	24 Es 2237 KCKT-2 KA
1900 KTCA-2 MN	1441 KPRC-2 TX	27 Tr 0135 WSPD-13 OH
3 Tr 2317 WAKR-23 OH	1620 KTEW-2 OK	0145 WTOL-11 OH
2319 WDHO-24 OH	1626 KTVY-4 OK	0150 WILX-10 MI
2321 WXON-20 MI	1820 KNOP-2 NE	0207 WJIM-6 MI
2324 WVIZ-25 OH	1825 KWGN-2 CO	0209 WWTW-9 MI
2326 CICO-28 ON	1900 KTWO-2 WY	29 Es 0017 KTWO-2 WY
2327 CKGN-29 ON	13 Tr 1000 WKZO-3 MI	0021 KOTA-3 SD
CBLFT-32 ON	14 0700 WNEM-5 MI	
2328 CKOO3-42 ON	16 0628 WJRT-12 MI	"KOTA was my 100th stn heard. Does anyone know if WUTV-29 Buffalo has a
WUAB-43 OH	0630 WXYZ-7 MI	

translator on channel 19. If so, where is it located ? 73.

William R. Hepburn 5659 Highland Ave. Niagara Falls, ON L2G 4X2 (EST/EDT)

April	2 Tr 1009 WXON-20 MI 210	5 Es 1828 CKGW-2 NB T
1 Es Aftn UnIDed 3	7 Es 1156 KDLO-3 SD 905	1847 CJCH6-6 NS 705
22 Aftn UnIDed 3	1200 WCCO-4 MN T	Caledonia
23 Tr 0804 WKEF-22 OH T	28 2007 WEAR-3 FL 1010	20 Tr 0545 CFCE-12 FQ 315
WOSU-34 OH T	2010 WSAV-3 GA T	22 0530 CFCE-12 FQ 315
WEAQ-49 OH T	2030 WPBT-2 FL 1130	0640 WXON-20 MI 210
	WCIV-4 SC T	0701 WGPR-62 MI 210
May		0901 CBLFT-48 ON T
22 Es 1930 WRCB-3 TN 655	29 2011 WREG-3 TN	WTWS-56 MI T
Chattanooga	2016 KETS-2 AR 910	28 0608 CICO24-24 ON 230
30 1904 WPBT-2 FL 1130	Little Rock	Ottawa
WEDU-3 FL 1090	State #25	30 0702 WDIV-4 MI T
WTVJ-4 FL 1130	2257 KOET-3 OK T	WXYZ-7 MI 210
1918 WUFT-5 FL 930	2300 KYTV-3 MO 850	
Gainesville	30 1228 KARD-3 KA 1045	
1930 WDBO-6 FL 990	KCKT-2 KA T	"Log now stands at 159"
Orlando		
1945 WJXT-4 FL 870	July	
Jacksonville	5 Es 1745 CBHT-3 NS 770	
2020 WCIX-6 FL 1130	1811 WLBZ-2 ME 525	
	Bangor	
	State #26	
	1822 CJCB-4 NS 955	
	Sydney	

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

August	
2 Es 1925 or 1935 UnIDed 5, US news through CBLT. Rotor turned SW toward Toronto.	
4 Tr 0630 WEMS-5 Cleveland, OH	
5 0701 WNEM-5 Bay City, MI	
0646 WCVB-5 Boston, MA	
0720 WHIO-7 Dayton, OH	

Rich Turesany Cont'

July							
20 Es 1230	WTHS-2 FL 1050	24 Es 1540	KARK-4 AR 1000	27 Es 1900	Television Nacional3		
	KTAL-6 TX 1170		1630 KATC-3 IA 1150		Cuba		
	Texarkana	27 2Es 1620	WKAQ-2 PR 1430	1923	WWL-4 IA 1070		
	MUF 99 FM		San Juan	1930	WBRZ-2 IA 1080		
1330	KOTV-6 OK 1160	Es 1730	"1st 2Es log"	28	0900 WPBT-2 FL 1050		
	Tulsa		WESH-2 FL 860		WTVJ-4 FL 1050		
At Northampton, MA			1746 WEAR-3 FL 960		1002 WCIX-6 FL 1050		
21 Es 0930	WTVY-4 AL 960		1800 WDTQ-2 AL 930		1030 KTVI-2 MO 850		
	Via CATV		1804 WTVY-4 AL 830		KYTV-3 MO 970		
Bach Home			1828 ICR2-5 Cuba		1052 WPTV-5 FL 960		
24 Es 1500	WBRZ-2 IA 1050		KATC-3 IA 1150		1206 ICR2-2 Cuba		
	1530 KETS-2 AR 1000		1830 WDSU-6 IA 1070	29	2000 KETS-2 AR 1000		
			1836 ICR2-5 Cuba	31	1000 KMIT-3 IA 920		

"Plus Gulfcoast on 5/30/79. This year's Es season has shown some improvement from last year's, with some good openings into Nova Scotia on 6/30 and 7/5, and Cuba on 7/11 and 7/27. But during the 7/5 Nova Scotia opening, I received the stations owned by CJCH and CJCB, IDing as "NTV". I thought that they always IDed as "ATV" (Atlantic Television System).

In "From the Staff" (Dec. 1978 VUD, pg. 42) there is mention of reception of an "NTV" station on channel 3 on Roger Burrey's tape from England. The Nova Scotia NTV network does break from CTV for local ads and promos, and the announcers do sound American. My 1976 Yearbook does not list a channel 3 station owned by CJCH and CJCB in Nova Scotia, so Roger must have received an NTV station repeater. Anyone know the calls? Total is just over 200 now. 73's, Rich.

Scott Levitt 3132 Woodland Ave. South Plainfield, NJ 07080 (EDT)

July					
At Readington, NJ		10 Es 2000	WTVJ-4 FL 1075	9 Es 1730	KYTV-3 MO 1035
9 Tr 0815	W73AA-73 PA 55	16 Tr 0100	WWBT-12 VA 261	Tr 1759	WBNG-12 NY 131
	Palmerton		0230 WCVB-5 MA 212		Binghamton
	1000 WENY-36 NY 162	19	0930 WCVB-23 VA 261	At South Plainfield	
	Elmira	27 Es 1900	WCVW-57 VA 261	11-12-13	Ms many UnIDeds 5 & 6
10	0600 WKNE-25 MA 212		1925 WWL-4 IA 1152	21 Es 1915	WSIL-3 IL 779
0644	WSKG-46 NY 131		2000 WTVY-4 AL 891		Harrisburg
	Binghamton	29 Tr 0055	WVIR-29 VA 300	24 Tr 2230	Stns. under 200
Es 0818	ICR2-2 Cuba 1332	30	2230 Boston U's 212	25	0557 WBNG-12 NY 131
Tr 0829	WMGC-34 NY 131	31	0635 WWBT-12 VA 261	27	2200 WTVT-53 VA 200
	Binghamton				2213 WTKR-66 VA 207
0900	WSYE-18 NY 162	August		29 GW 1726	WSNL-67 NY 74
	Elmira	2 Es 1830	WLBT-3 Ms 1031	30 Es 1500	WPBT-2 FL 1075
1000	WICZ-40 NY 131		1855 WABG-6 Ms 994		
	Elmira	At Readington			
At South Plainfield		9 Tr 1000	WPGH-53 PA 293		
10 Es 2000	WPBT-2 FL 1075		Pittsburgh		
	WEDU-3 FL 981	1100	WAKR-23 OH 374		
			Akron		

slide said Smithtown, NY, which is about 45 miles from New York City on Long Island. 21 new stations have been logged this season, only 5 by E-skip. A lot of these stations were logged at a friend's house in Readington, NJ, about 20 miles west of here. My friend, whose name is Glenn Bruckno, is interested in DXing and he has logged about 60 stations. I am trying to get him to join WTFDA.

Mike Hogan 13910 Chippewa Ave. Apt. 1 Burnham, IL 60633 (CDT)

July					
3 Tr 0650	WFFT-55 IN	6 Tr 0640	WUCM-19 MI	August	
Es 1800	UnIDed 4 PTA Ne		0900 WXON-20 MI	8 Tr 2245	WBGU-57 OH
	or Canada	10	0715 WAND-17 IL		2315 WKEF-22 OH
1828	UnIDed 4, Message	15	0900 WKAR-23 MI	30	0545 KWWL-7 IA
	from Ottawa Dept.		0930 WEXI-25 MI	September	
	of Measures.	29	0830 WIPB-49 IN	1 Tr 0545	KWWL-7 IA

"Well, I'm pretty happy with the tropo openings of late. Let's hope the season will continue at least a little while longer. Log total is now at 108. I received my first written TV verification in the form of a letter from WXON-20, it helped me solve a long standing unid. 73's and support WTFDA. (Mike, next report, include your name and address on the report, not just the envelope, so that I don't have to stop to go look it up. If you don't, very large llamas, even to the extent of being larger than frogs, will get you. Ed).

Frank Wheeler 6589 Wattsburg Rd Erie, PA 16509 (EDT)

August		7 Es 1800 KTBS-3 LA 1005		16 Es 1600 Cuba-3 1322	
2 Es	1815 WPBT-2 FL 1098	8 Tr	1000 WSWP-16 WV 287	Santa Clara	
	1830 WEDU-3 FL 994			Grandview	
	1900 KETS-2 AR 825			"New"	
3	1430 WESH-2 FL 902	12 Es	1100 KDAL-3 MN 682	21 Tr	0700 WILX-10 MI 236
6 Tr	0700 WILX-10 MI 236		1129 KGFE-2 MD 917		2310 WNDU-16 IN 318
7 Es	1658 WPBT-2 AR 1098		1231 KQTV-2 MO 779	22	2329 WSBT-22 IN 318
	1731 WCBI-3 MS 943	15	0918 WTHS-2 FL 1098		0615 WILX-10 MI 236
	Columbus	16	1558 WPBT-2 FL 1098	Es	1725 WPBT-2 FL 1098
	1754 WESH-2 FL 902				1737 WESH-2 FL 902

Paul Gaines 15920 Puritan St. Detroit, MI 48227 (EDT)

July		5 Tr 0117 WBAK-38 IN 290		8 Tr 0650 WOKR-13 NY 280	
29 Tr	0350 WSAZ-3 WV 280		0225 WLK-11 WI 275		0653 WHEC-10 NY 280
30	WGPR-62 Not on air		0849 WLL-12 IL 305		0716 WXXI-21 NY 280
	back next evening	7	0206 WICD-15 IL 305		0729 WNEP-16 PA 385
31	0225 WTHI-10 IN 290		0234 WTAJ-10 PA 275		0732 WVIA-44 PA 385
			0248 WWUP-10 MI 285		0738 WBRE-28 PA 380
		Ms	0341 KDIO-3 SD 715		0820 WDAU-22 PA 385
			0507 WCBS-2 NY 490	10	0216 WTHI-10 IN 290
		8 Tr	0247 WTAJ-10 PA 275		13 Ms 0416 WCBS-2 NY 490
					17 Tr 0218 WWUP-10 MI 285

(Please put your name and address on your report. Also only report DX. WTTV & WOWK loggings were cut as they were reported nearly every day. Also, send unIDed programs to CCI, not to this column, ed.)

Paul Petosky Box 51 Trout Lake, MI 49793 (EDT)

August		31 Tr 0215 WREX-13 IL 330		31 Tr 0345 CKWS-11 ON 435	
30 Tr	2300 WGMU-14 MI 178		0220 WKZO-3 MI 264		Kingston
31	0105 WSAU-7 WI 256		0235 WVTM-18 WI 260	0350	CKGN-2 ON 355
	0130 CKNX-8 ON 240		0300 CHCH-11 ON 330		Bancroft
	0145 CKCO-13 ON 290		0304 CKVR-3 ON 290	30	2330 CKCO-3-42 ON 253
	0200 WTMJ-4 WI 257		0310 WJIM-6 MI 238		Sarmia
	0210 WEAU-13 WI 260		0315 CKGN-6 ON 305		CIKO 59-59 ON 290
	WISN-12 WI 257		0320 CFTO-9 ON 345		Chatham

Wayne Thompson Route 4, Box 156 Silver Springs, FL 32688 (904)-625-3848 (EDT)

July		27 Es 1958 KDII-3 MN 1360		14 Tr 0600 WKID-51 FL 270	
1 Tr	Miami & Palm Beach		2000 WSYR-3 NY 1040		Ft. Lauderdale
	V's	28 Tr	0930 WDHN-18 AL 250	15	2100 WTOC-11 GA 225
	Es 1201 CKCO-2 ON 1110		0931 WYEA-38 GA 280	18-19	Miami 7 & 10
	Wiarlon		1030 WALB-10 GA 200	19	0535 WTVJ-4 FL 270
2 Tr	2220 WMBB-13 FL 225	31 Es	2100 WSYR-3 NY 1040		Miami
	0622 WMAZ-13 GA 280			20	0540 WMAZ-13 GA 280
	0629 WDHN-18 AL 250	August			0559 WTOC-11 GA 225
	0630 WRBL-3 GA 280	3 Ms	0543 KYW-3 PA 865	21	0530 WCIW-4 SC 285
	0645 WJHG-7 FL 220	6 Tr	0549 WMBB-13 FL 225		0535 WJCL-22 GA 220
	0657 WTVH-9 GA 280	7	0550 WTOC-11 GA 225		0543 WLTN-19 SC 350
	0659 WALB-10 GA 200	Es	1752 CKVR-3 Can 1080		0555 WBCA-27 FL 160
	0700 WSFA-12 AL 325		1757 WJMN-3 MI 1215		0559 WWAY-3 NC 440
	0701 WYEA-38 GA 280	9	1830 KDII-3 MN 1360		0600 WYEA-38 GA 280
15 Es	1815 XEFB-3 MEK 1160		2201 CKVR-3 Can 1080		WTOC-11 GA 225
21	1100 HISD-4 DR 1000	10	1800 WIMP-3 PR 1200		2300 WABW-14 GA 200
	1230 WJMN-3 MI 1215		1802 WKAQ-2 PR T		0545 WMAZ-13 GA 280
	1400 TGV-3 Guat 1125	12 Tr	0600 WCBD-2 SC 295	29	0549 WYEA-38 GA 280
22 Tr	0345 WTOC-11 GA 225	12 Ms	0615 WGR-2 NY 1000		0554 WCWB-41 GA 280
27 Es	1820 WCAX-3 VT 1200		Tr 0756 WLTN-23 FL 270		0600 WANK-46 GA 360
	1918 CKVR-3 Can 1080		Miami		Alanta
	1945 KTVO-3 MO 990	14	0555 Miami 7 & 10		

"As can be seen, most of the tropo has been short-haul stuff, but considering the reception via corner reflector it doesn't seem so bad. As the beam-width of the corner reflector is fairly large, I plan to bring it down and modify it with the addition of directors to narrow this area down somewhat for directivity. Most of the DXing for the past 2 months has been on the Quasar; the YTL has taken over my HQ-92X with the homebrews (arrrrgh!). Says it gives better reception."

Michael P. Hollis 7401A Gardner Hills Ft. Campbell, KY 42223 (CST/CDT)

May		7 Tr 0526 KBTBS-3 IA 460		7 Tr 0543 KRAL-6 IA 460	
7 Tr	0459 KNOE-8 IA 380		0533 WHO-13 IA 470		0547 KERA-13 TX 600
	0526 WJTV-12 MS 335		0540 KTVT-3 MO 320		WFAA-8 TX 600
	WAPT-16 MS 335		0541 KATV-7 AR 300		0550 KTVE-10 AR 375

Glenn Hauser Cont'

traceable, led by 31, since 48 is weaker, 19 is ϕ offset to WKPT, 25 is masked by local 26.

10 August, 1735, NE and SD nx on 4, KDUH; 1742 News Four & Scottsbluff ad; 1743 on 3, weather for up there in Lead/Deadwood, i.e. KOTA-3; also various nets undids on 2, 3, 4. At 1831 on 3, Logan County Fair ad, net maybe ABC. At 1845 a UHF tunearound showed a bit of tropo: 29 Morehead, KY ETV; 59 NC Update from 1900, Asheville; UnIDeds on 41 & 32, likely Louisville. Back to Es, 1859 KDFW-4, news; 1900 TX Movie on 3, KBTX. 1923 Denver ad on 2, 1959 KOA-4 ID, photoed, 2000 ID on 3 maybe northeast Colorado which would be KTVS.

12 August from 2130, Es in French on 3, in and out; 2200 WLBZ-2 TP caught just seconds before cutoff, for photo. This may have been meteor induced Es.

14 August, 1558 on 4, game show ending, a CHSJ presentation.

15 August, 2030, Huntsville tropo up on 19-31-48.

16 August, 0550 WOWL-15 exercise show, 0559 ID, 0600 Today; 0610 on 24, 700 Club, finally IDed at 2130 as WPTY-24 Memphis, in and out, lots of ads for Eyear Optical. 2235, ABC on 16 from Jackson, MS direction; WAPT was a regular back in Texas.

17 August, 0625, Jackson weather and news on 16, 2315, with local WTVK off, CBS Late Movie on 25; 2322 record offer with Evansville address; also trace on 14.

20 August, 1800, KBME-3 & KGFE-2 ND, both in, in parallel with pledge plug; 1830, KOTA-3 ID W/11 & 12 relays; plugging MASH during Little House on the Prairie. WCPT-55 is a sad case; video is poorly modulated, (too white); almost all programming listed in TV Guide is wrong, contracts having expired. However in Sept. they hope to raise power greatly and begin new movie package, etc. So far its mostly religion and local C&W music.

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

Month	Time	Call	Location	Time	Call	Location	Notes
April	22 Tr	2206	Erie U's 300	22 Es	1845	WEDU-3 FL 930	24 Es 1800 WCIX-6 FL 1100
		2310	WPGH-53 PA 290			WPBT-2 FL 1100	"MUF to top of FM band"
		2313	WOUB-20 OH 220			WTVJ-4 FL T	25 Tr 0600 WTVK-26 TN 360
			WOUC-44 OH 215				WKPT-19 TN 350
				June			
23	0640	Unided-22 3/4		2 Tr	0610	CITY-79 ON 360	July
		CB (Pittsburgh or Scranton ?)				CBFLT2-40 ON 260	3 Tr 0600 WTAP-15 WV 240
						CBFLT3-48 ON 200	WKXH-57 KY 275
	0646	WBRE-28 PA 500		5 Es	1900	KMID-2 TX 1150	0638 WPTF-28 NC 515
		WVIA-44 PA 500		24	1800	WPBT-2 FL 1100	0640 WPGH-53 PA 290
		WNBP-16 PA 500				WTVJ-4 FL 1100	"Total log remains at 313".
Dave Hascall	211 N. Merrill	Fortville, IN 46040	(317)-485-6224	(EST)			
November 1978				22 Es	1900	WWAY-3 NC	22 Tr 0010 WBAK-38 IN
5 Tr 0659	4SJV-28 IN 120	Elkhart	2000			Wilmington	0040 WICS-20 IL
	0700 WPTA-21 IN 100	Pt. Wayne	30	2200	WDIQ-2 AL	Dozier	0100 WLKY-32 KY
						Midland	July
February 1979						KENW-3 NM	5 Es 1630 CEHT-3 NS
27 Tr 0800	4FIE-14 IN 130	Evansville	June				1700 WLBZ-2 ME
			1 Es	1045	KWGN-2 CO	Bangor	1730 WCAX-3 VT
	0815	WAND-17 IL				Burlington	1800 Unided 2, had
		Decatur		1100	KMID-2 TX	"CVS" slide,	anyone know if
		WKEF-22 OH 105				Albuquerque	this is a net.
	0830	WBAK-38 IN 70				ABC Stn O/local	and who is on it ?
		Terre Haute				WTTV, no ID	Unided 2, slide
	1000	WKPC-15 KY 100		1200	KNME-5 NM	KAMR-4 TX	and announcement
		Louisville				Amarillo	"Atlantic
	1030	WNDU-16 IN 120				ID thru WTTV	Television Service"
		South Bend		5	1800	KWGN-2 CO	What members on 2,
March				8	2300	KYKT-5 TX	PTA N.E.
14 Tr 2200	WUSI-16 IL 160	Olney	12 Tr	2100	WILL-12 IL	Lubbock	10 1830 WBRZ-2 IA
April							Baton Rouge
20 Tr 2330	WNDU-16 IN						1930 Cuba-3
	WPTA-21 IN			2130	WUSI-16 IL		Santa Clara
May							11 Tr 0745 WKEF-22 OH
10 Es 1810	KPRC-2 TX						0800 WXIX-19 KY 105
	2100 KENW-3 NM	Portales					0815 WNDU-16 IN
	2200 KOTA-3 SD	Rapid City					WICD-15 IL 125
							Es 1030 KIII-3 TX
22	1630	WPTV-5 FL					WPBT-2 FL
		W. Palm Beach		22 Es	0000	KOTA-3 SD	13 Tr 2230 WNDU-16 IN

Dave Hascall Cont'

July					
13 Tr 2231	WAND-17 IL	18 Tr 0730	WEHT-25 IN	27 Tr 2205	WICD-15 IL
14 0245	WTVW-7 IN		Evansville		WAND-17 IL
0300	WHAS-11 KY	0735	Louisville V's		WMAQ-5 IL
0303	WHIO-7 OH	0800	Evansville 7 & U's		Chicago
15 0150	KPLR-11 MO 275	23 0015	WHAS-11 KY	29 Es 1934	KOTA-3 SD
2250	WICD-15 IL	0017	WHIO-7 OH	30 2200	KWGN-2 CO
18 0700	WPTA-21 IN	0240	WQIO-9 OH	August	
0725	WLEX-18 KY		Cincinnati	5 Tr 0130	WQAD-8 IL
	Lexington	24 Es 2210	KWGN-2 CO		Moline
		27 Tr 2200	WTTW-11 IL	0140	WGN-9 IL
			Chicago	2300	WUSI-16 IL
					WVUT-22 IN

*Equipment: 1979 RCA A.25 W/VHF-UHF
 combo #25. RCA 1976 9" B&W used as skip monitor."

Steven Shaffer 10956 Indianapolis Blvd. Box 4 Hammond, IN 46326 (CDT)

September 1978				June	
5 Tr 0835	WFNE-38 WI	9 Tr 1000	WFRM-20 WI	1 Tr 0730	WHEF-4 IL
0840	WKBD-50 MI	24 0215	WUUK-11 WI	6 1030	WKZO-3 MI
6 0657	WKOW-27 WI	October		13 Es 1802	WJXT-4 FL T
0700	WEAU-13 WI	21 Es 1339	WTVJ-4 FL	1825	WEDU-3 FL
7 0601	WUAB-43 OH	1900	WUNC-4 NC	1835-1918 Many UnIDeds	
0603	WKBD-50 MI	May 1979		3 & 4, PTA: South-	
0608	WKBN-27 OH	11 Tr 0605	WREX-13 IL	Southeast. All sent	
8 0600	WHAS-11 KY	22 Es 1716	WWAY-3 NC	to Bill Draeb for	
0730	WEAU-13 WI	1830	WEDU-3 FL	further checking.	
		1849	WTVJ-4 FL		

Roger Winsor 2610 W. 49th Ave Hobart, IN 46342 (CDT)

"Hello: I am a fairly newcomer to this section because I don't usually don't see much worth reporting, as I have a very poor setup at home. However, I recently was at a friend of mine in Toulon, Illinois, and this was his normal fare during a low time of the day, i.e. 1300 to 1330:

WBAY-2 WI Weak	WOI-5 IA fair	WMVS-10 WI Weak
WBEM-2 IL Fair	WOC-6 IA fair	WTTW-11 IL good
WTWO-2 IN best	WIS-7 IL weak	KPLR-11 MO good
KTVI-2 MO fair	KHQA-7 MO fair	KDPS-11 IA good
WMT-2 IA fair	KWWL-7 IA good	WISN-12 WI fair
WCIA-3 IL good	WQAD-8 IL Xlnt	WILL-12 IL good
KTVO-3 IA fair	WGN-9 IL good	KIIN-12 IA good
WISC-3 WI good	KETC-9 MO fair	WREX-13 IL good-fair
WHEF-4 IL Xlnt	KCRG-9 IA good	WHO-13 IA weak
WFRV-5 WI weak	KROC-10 MN fair	WTHR-13 IN weak
WMAQ-5 IL good	WGEN-10 IL good	
KSD-5 MO good	WTHI-10 IN Fair-good	

"UHF was good, saw 14 Evansville rock steady, 27 in Springfield MO weakly, 36 in Red Oak IA saw the entire Iowa network ID except for Sioux City on 27. Even saw a repeater on Ch. 38 for Ft. Madison, 3 channel 38's counting that and Chicago and Terre Haute, 35 in Grand Rapids was obviously there, as was 41 in Battle Creek. All in all, we probably picked up between 65 and 70 stations from 6 states. A pleasure to view DX as used to be when I also had a tower and rotor. Support the WTRFA."

Marvin Shults R.R. #1 Toulon, IL 61483 (CDT)

July					
1 Es 2059	XEFM-2 Chih	5 Tr 0800	KHIN-36 IA	14 Tr 1022	KUSD-2 SD T
2100	XEJ-5 Chih		"also 21, 24, 27,	15 Es 1700	WPBT-2 FL
2130	XHRIC-2 Tams T		32, 38 all IPBN IA	16 Tr 0739	WPTD-16 OH
	XEFB-3 NL		0859 WHAS-11 KY	0742	WLIO-35 OH
2 1029	WPBT-2 FL		WLLK-32 KY	0800	WKEF-22 OH
1045	WUFT-5 FL	Es 2100	WPBT/WESH 2 FL		W63AH-63 OH
1049	ICR-5 Cuba	6 GW 0003	K54AF-54 IA		Maplewood
1051	ICR-2 Cuba		Keosauqua	0814	WUAB-43 OH
1058	WEDU-3 FL		IPBN X1tr	0830	WQIN-54 PA T
1059	WESH-2 FL	Tr 0840	21, 33, 55	Es 0900	WESH-2 FL
1100	ICR-5 Cuba		Ft. Wayne	24 2207	KWGN-2 CO
1149	WTHS-2 FL	11 Es 1029	WPBT-2 FL	2221	XEFM-2 Chih T
1230	UnID 2 "Avis in Brazil"	12 1049	Unided 2 ABC	2230	KOAI-2 AZ T
			1158 KMID-2 TX	27 1000	KMID-2 TX
4 Tr 2226	WHAS-11 KY		1328 KENW-3 NM	28 Tr 1100	KMEG-14 IA
2228	WTVW-7 IN		1329 XEJ-5 Chih		ESIN-27 IA
2229	WNIN-9 IN		1330 KDBC-4 TX	29 Es 1100	X____-2 Mex
5 0759	KMEG-14 IA	13 1158	WESH-2 FL		"Mex. SS"
			1230 WTHS-2 FL		

Marvin Shults Cont'

July		8 Tr		16 Tr	
29 Es	1436 XEFB-3 NL	0507	KMTC-27 MO	2200	WMAA-29 MS
	1453 X---5	0508	WOTV-8 MI		WMAO-23 MS
	1458 KMID-2 TX	0529	KFVS-12 MO		WMAV-18 MS
	1500 KENS-5 TX	0530	WTVF-5 TN		WMAW-14 MS
	1600 KMID-2 TX	0555	KTVP-29 AR		WMAH-19 MS
	1730 XHIA-2 Chih	0621	WFSD-6 KY	2213	WAPT-16 MS
	Torreon	0958	KYTV-3 MO	2217	KPOB-15 MO
	1900 KDIX-2 ND T	10 Es	1752 XEPM-2 Chih		Sat of WSIL-3
	2000 KTVQ-2 MT		1758 KENW-3 NM	2257	WNC-5 TN
31 Tr	0800 KBMA-41 MO		1800 KENS-5 TX	2259	WKNO-10 TN
	KTSB-27 KA		1806 KMID-2 TX	2230	WMAA-29 MS
			2121 XHCR-2 TAM3	2259	WGSB-6 KY
			2158 KMID-2 TX	2323	WTVA-9 MS
			2229 KUTV-2 UT		Tupelo
			2230 KSL-5 UT	2344	WHBQ-13 TN
			2400 KORK-3 NV 1400	2348	KIAA-14 LA
			State #44	0529	WAVE-3 KY
				0533	WXIX-19 KY
				0539	WHNT-19 AL
					WAAY-31 AL T
				Es	0921 CBFT-2 FL
					1000 WLBZ-2 ME T
				23 Tr	0630 KFVS-12 MO
				25	0630 KOMU-8 MO
					0631 KIMN-24 AR
					KTVP-29 AR
				26	1730 WKSO-29 KY
					WIKY-32 KY
					2159 WKAR-23 MI
				29	1130 KODE-12 MO
					KTJV-16 MO
					2228 GKGK-29 ON
					2229 Detroit U's
					2230 CKCO3-42 ON
				30	0659 KYNE-26 NE
					KHNE-29 NE
					0700 KMEG-14 IA
					KSIN-27 IA
				16 Tr	2159 WPTY-24 TN
8	0507 WAAY-31 AL				

(2 reports combined, ed.). "A further note on the new Matamoros Ch2- they have many ads for McAllen, TX. I guess that I should have mentioned that last month for Ken Simon's benefit. The UNID2 on July 2 could have been WESH advertising that you could rent "Avis in Brag11". I was suprised to find that the Cubans have started their broadcast day in the morning rather than during the mid to late afternoon period as in the past as witnessed on July 2. I hope that my photo of XHIA-2 Torreon, turns out good. At first I could not recognize Torreon since they had the two R's backward in the spelling. It was quite a thrill to finally log KORK-3 Las Vegas after years of trying. I was fortunate to have my tape recorder running at the ID time- logged a good audio ID. KORK came right at the end of the opening as all skip was gone in less than 30 minutes. W71AE LaSalle, Illinois has a blown output and has been dark for months. The chief says they will soon petition the FCC to go black forever. W71AE belongs to the ages. Rich Eddie told me that WBBW-55 Springfield, IL was on. You have to be right in their pattern to get them or else they are not there. In fact W49AA Springfield is a stronger station than 55 at least in my direction. I was fortunate to receive CKBI3-4 as WBBF-4 signs off early on Sunday evening (actually Monday morning). Apparently WSIL-3 Harrisburg, IL has apparently activated Ch 15 MO as a satellite (KPOB has been on for several years, ed.). I am not sure if the XHTR is in MO, IL, or KY (Oak Grove, MO according to 1976 TV Factbook, ed.)- suspect MO. On Aug. 14, XEPM was consistently strong with great color for at least 4 hours. 73's Harv.

Robert Goodman 5129 Roosevelt Apt. 57 Cicero, IL 60650 (CDT)

June		1 Es		29 Es	
1 Es	0915 KENW-3 NM 1000	1230	KTVY-4 OK 700	1605	WTVJ-4 FL 1200
	KLNE-3 NE T	1300	KOA-4 CO 925	1630	WEDU-3 FL 1000
	1200 KQET-3 OK 625	1308	COI 5	1632	WCIV-4 SC 750
	0915 KFDX-3 TX 300	3	1907 KIII-3 TX 1100	1900	KEME-3 ND 725
	0920 KAMR-4 TX 900	24 Tr	2115 WEEK-25 IL 120	30 Tr	0630 WAND-17 IL 120
			WMBD-31 IL 120		WIFR-23 IL 110

Robert Kramer Cont'

September

5 Tr 0245	CKSO-5 ON 470	9 Tr 0558	WAAY-31 AL 503	10 Tr 0450	WTVK-26 TN 465	
	Sudbury	0626	WYUR-48 AL 503		Knoxville	
	CBLFT-7 ON 510	2308	CBLFT-48 ON 287		WDTN-2 OH 237	
	Sturgeon Falls	2320	KDNL-30 MO 265	0451	WHIO-7 OH 237	
	CBLFT-12 ON 417	2335	WLKY-32 KY 277		WLWT-5 OH 250	
	Elliot Lake	2345	WDHO-24 OH 220		WKRC-12 OH 250	
0317	WCCO-4 MN 360	10	0055	WXIX-19 KY 255	WHAS-11 KY 277	
	KSTP-5 MN 355		0100	WKYT-27 KY 314	WKRF-22 OH 237	
0430	CKOO-13 ON 390			Lexington	WCPO-9 OH 250	
0448	WLUC-6 MI 335	0155	WHO-13 IA 315		WBNS-10 OH 280	
	Marquette		0211	WCMH-4 OH 280	0455	WLOS-13 NC 565
0455	CKNY-10 ON 520		0230	WJAN-17 OH 340	0500	WKIX-19 KY 255
	North Bay			Canton		WKYT-27 KY 314
	CKSO3-11 ON 520	0237	WEMS-5 OH 320		0518	WAVE-3 KY 277
	Kearns			Cleveland	0525	WLKY-32 KY 277
	CKNC-9 ON 470	0407	CKGN29-29 ON 260		0529	KFVS-12 MO 332
	Sudbury	0413	WTVQ-62 KY 314			WTCU-12 PA 398
0526	KIMT-3 IA 307	0416	WLEX-18 KY 314			Erie
0540	WTOM-4 MI 315		Lexington	0530	WPMJ-21 OH 347	
	Cheboygan	0422	WVVA-6 WV 470	0558	WKBN-27 OH 347	
0557	WWUP-10 MI 372		Bluefield	0619	WDRB-41 KY 277	
0140	CICO20-20 MI 374		State #34	0700	WKLE-46 KY 314	
	Sault Ste. Marie	0427	WTRF-7 WV 388		Lexington	
	(Sorry, missed this one)		Wheeling		WKON-52 KY	
0601	WGTU-29 MI 231	0428	WAKR-23 OH 307	0701	WKSO-29 KY 373	
0603	KYIN-24 IA 307		WKBN-27 OH 347	0709	KDNL-30 MO 265	
	"Local Grade"		WJAB-43 OH 293	0713	WKGB-53 KY 335	
0612	KHIN-36 IA 398		WKYC-3 OH 320		Bowling Green	
	KTIN-21 IA 335	0433	WTVN-6 OH 280	0716	WKMA-35 KY 320	
6	0453		Columbus		Madisonville	
	WDIV-4 MI 240	0437	WIIC-11 PA 418	11	0531	KTVI-2 MO 265
	CKOO3-42 ON 260	0438	WPGH-53 PA 418		St. Louis	
	WXYZ-7 MI 240		Pittsburgh	12	0500	WDTN-2 OH 237
	0530	0440	WJET-24 PA 398		0505	WKBN-27 OH 347
7	0529		Erie		0516	WMT-2 IA 210
9	0545	0445	WOWK-13 WV 370	13 Ms	0453	WSAV-3 GA
	WHNT-19 AL 503		Huntington	Tr	0519	WAVE-3 KY 277

"As you can see, the tropo finally hit in late August & early September. The Sept. 3-5 opening was my best ever from Chicago. 24 new stations were logged during this opening, and 8 1/2 rolls of film were shot. The 9/9-10 opening produced 16 new stations. The 9/10 loggings of WVVA-6, WTRF-7 & WOWK-13 were the first time in over 2 years that I had added a new state. With the adding of West Virginia, all states within 400 miles are now logged. I think Mississippi is the next closest unlogged state. The log now reads 329. Hopefully the good tropo will continue, but I do dread next month's VUD, when I'll have to type up everyone else's loggings, hi. Now I know how Bill felt after last year's August openings. Well 73 & good DX.

F2 SKIP--WHAT CAN WE EXPECT? (continued from page 10)

Finally, here are some more TV audio frequencies below 60 MHz that F2 skip DXers will be interested in:

Russian language (and various)	56.25 MHz	-	Soviet Union, ch R1 (and Soviet Bloc nations)	(FM)
English	58.25	-	British Isles, ch B4	(AM)
Italian	59.25	-	Italy, ch A	(FM)
English	59.75	-	Ireland, ch IB	(FM)
English (and various)	59.75	-	North & South America, ch A2	(FM)

Here's hoping the worldwide MUF gets up to 60 MHz or above this winter. If and whenever it does, there should be plenty of great DX opportunities for VHF DXers everywhere!

WESTERN TV-DX

October 1979

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

Deadline: 5th

New _____ New Mode _____ Tentative - t Unidentified - unid

Leo J. Boehl, 622 W. Koenig, Grand Island, NE 68801

CDT

All Es New

July 1979

1 tr 0000 good, none new
2 Es 1145 WBRZ 2 LA 750
1200 WRBL 3 GA 840
-1300 WEDU 3 FL 1135
3 Es 1857 KOTI 2 OR 1080
10 tr 0145 better than 7/1
WOI 5 noted
12 Es 1715 unid 2 (CETU?)
1720 WGR 2 NY 910
1735 unid 3

15 Es 2245 KUTV 2 UT 625
24 Es 1800 unids 2,3 Mex.
1817 WPMY 2 NC 950
1830 WUND 2 SC 950
1855 WTAZ 3 VA 1090
unid 2
1859 WHSVT 3 VA
25 Es 1245 XEPM 2 CH 700
1320 XEFP 3 NL 850
29 Es 1045 WGR 2 NY 910
-1300 unid 3,4

August 1979

4 tr 22- great opening
WOI-5, KCCI-8
5 tr 0200 KMCB 9 MO
7 Es 2235 Mex unids 2,3,4
wk, US unid 2, vy str
11 Es 1830*WBBM 2 IL 500
1835*KTVQ 2 MT 550
*CFAC 2 AB 915

*12" B&W Toshiba, single rabbit ear!

Could have gotten more, but I did manage to get most of these on videotape. For location, time, and effort, I was quite pleased with July; am concentrating on locating a British or cont. European set (L.A. & Omaha); pray! 73's, Leo

Doug Everitt, No. 2, Highpoint Park, Enid, OK 73701

August 1979

CDT

15 tr 1905 KDNL 30 MO 450
1920 KTEJ 19 AR 410
19 tr 1801 WPTT24 TN 470
(CCI on KLMN-24)
2035 KTEJ 19 AR 410
21 tr 1942 KHIN 36 IA 340
22 tr 0835 K36AB Lawton OK
0838 KIDZ 24 TX 130

22 tr 0910 KWTX 10 TX 330
2215 KIDZ 24, K36AB
23 Es 2115 thru 4, unids
24 tr 0840 KHIN 36 IA 340
0845 KMEG 14 IA 420
KXNE 19 NE 380
0855 KHNE 29 NE 290
26 tr 2235 K71BJ, K73BJ,
K75BM, Mooreland, OK

UHF stns seen 15 to 100% of monitoring time: KTVJ 16 MO
KCPT 19 MO, KOZK 21 MO,
KLMN 24 AR, KTSE 27 KS,
KMTC 27 MO, KTVP 29 AR,
KXTX 39 TX, KFPW 40 AR,
KBMA 41 MO, KYFC 50 MO,
Alva xtrs K77BI, K79AZ
and K81AN.

I can't help noticing that this August was very poor for tropo around here, although the shorter-haul enhancements are bouncing in as usual this year...

I was inactive in TV DX between Nov. 78 and Jul. 79. The last tropo opening of any consequence before my DX 'hiatus' was on October 24th, 1978. Better loggings of that one included WKSO-29 KY and WSNS-44 IL, the latter a new one for me.

The current DX set-up is temporary and not in top condition; it includes a rather weather-worn Finco P-7 dish and a Winegard K-10-713 yagi. At the moment, I'm concentrating on hi-band and UHF, so I'm desperately hoping for some good fall tropo this year. I'm planning to put up a little tower here at Highpoint, and a slightly less weathered Jerrold JUP-4 with a new preamp will probably go up for UHF. I won't be able to use separate yagis for lo-band, hi-band and FM like I did at my old QTH, so I'm trying to find a good compromise for VHF. Much of my old gear has been sold or damaged, so I'll be working largely from scratch. I'll report as things progress.

Even when conditions are bad, TV DX is too much fun to let it slip away like I did, so I'm glad to be back in business.... 73 and the Best of DX...de

(Welcome back. I am looking forward to regular reports from you, and thanks for submitting your report in three column format; it really helps.)

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

CDT

July 1979

2 tr 0420 KLTV 7 TX 280
KNOE 8 LA 440
Es 0810 unids 2-6
(MUF 107.3 @ 0824)
0855 WJBF 6 GA 1105
1230 unids 2-6
(MUF 88.5 @ 1240)
1350 f/outs
1430 unid 2 (brief)
1935 KNXT 2 CA 1190

2 Es (MUF 93.9 @ 1958)
1940 KNEBt 4 CA 1190
1945 KEYTt 3 CA 1270
2015-35 spotty
2125-2240 unids 2,3
ne & nw
3 Es 0915 unid 2 n
0925 CKCO 2 ON 1410
0930 KEYTt 3 CA 1270
0932 KNXT 2 CA 1190
KNEBct 4 CA 1190

3 Es 1155-1155 unid 2-4
1158 KTVQ 2 MT 1245
1300 f/outs
2115-2130 unid 2 ne
4 Es 0040 unid 2 ne (brf)
0855 unids 2 e 7 ne
0859 WPBT 2 FL 1150
0928 Cuba 2
0950-1110 unids 2,
Latin America?
1215-1345 unid 2 e

Pat Dyer (continued)

July 1979

4 Es 1359 WSJK 2 TN 1010	6 Es 1730-2015 unids 2-4	10 Es 2059 KDLH 3 MN 1250
1400-1530 unids 2,3	Latin America	2110 KORnt 5 SD 990
1529 KTWO 2 WY 1015	1859 YSR 2 ES 1200	(MUF 88.3 @ 2113)
1530 KUTV 2 UT 1080	TGvt 3 GU 1120	2115 KOTat 3 SD 1040
1540 KID 3 ID 1215	YSut 4 ES 1200	2225 apx f/out
1659 KTVQ 2 MT 1245	7 Es 1030-1200 unids 2,3	11 Es 1145-1320 unids 2,3
1705-1800 unid 2-4	nw	Latin America (storm)
spanish	1204 KEYT 3 CA 1270	12 Perseids messed up by
1759 WCBd 2 SC 1120	1225 KUTV 2 UT 1080	electrical interference
1832 WCIVt 4 SC 1120	1228 KXTvt 4 UT 1080	to the ne of here.
WWAYt 3 NC 1250	1310 f/out	ms 0415:25 WSB 2 GA
1845 WCSct 5 SC 1120	1500 unids, 2 sp	0429:40 WAGA 5 GA
(MUF 96.9 @ 1851)	1532 KUTV 2 UT 1080	0440:50 KYTV 3 MO
1939 WESH 2 FL 1055	(MUF 94.1 @ 1535)	Es 1059 KTWO 2 WY 1015
1950 apx f/out	1625 WDTN 2 OH 1075	unids 2,3
5 Es 0925-1100 unids 2,3	1639 unid 6 Canada	to 1130 f/out
0925 Cuba 3 (tp)	1728 WJBK 2 MI 1225	Es/ms? 2120 unid 2
1000-1400 unids 2-4	KDKat 2 PA 1280	13 Es/ms? 0150 unids 2-5
1445 unid 3 (brief)	(MUF 107.9 @ 1847)	Es 1140-1210 KTWO 2 WY
1930-2015 unids 2-3	2105 unids 2-4 3-sp	14 Es 0820-0925 unids 2-5
1930 KDKA 2 PA 1280	2125 WTVJt 4 FL 1150	0929 WBAY 2 WI 1190
6 Es 0820-1100 unids 2-6	2129 WPBT 2 FL 1150	WISC 3 WI 1065
(MUF 94.5 @ 0829)	2132 WSAvt 3 GA 1050	0959 KIMT 3 IA 985
0825 KFYRt 5 ND 1200	2140 WCBd 2 SC 1120	1029 KOTA 3 SD 1040
KLNET 3 NE 785	WCIVt 4 SC 1120	1030-50 unids 5,6
1215-1225 unids 2,3	2145 WCSct 5 SC 1120	1059 KTWO 2 WY 1015
1300-1810 unids 2-4	2215 f/out, 2 to 2350	KYUS 3 MT 1230
1259 WCCot 4 MN 1110	8 Es 1500-1510 unid 2 nw	1108 KWGN 2 CO 810
KTCat 2 MN 1110	1930 unid 2 (brief)	KOA t 4 CO 810
1700 WDTN 2 OH 1075	2015-25 unid 2 ne	1115 KDLO 3 SD 1070
1757 KDKA 2 PA 1280	2040-2130 unids 2,3	1130 sharp MUF v/no a
1930 unids 2	2047 KNXT 2 CA 1190	1205-1415 unids 2,3
1959 WSJK 2 TN 1010	2130 KTWO 2 WY 1015	15 Es 0800-0850 unids 2-4
2015 unids 2-5	9 Es 1225-52 unids 2,3 nw	0859 WNGE 2 TN 820
(MUF 94.9 @ 2036)	1232 KTWO 2 WY 1015	(MUF 107.1 @ 1008)
2100 WSAZ 3 WV 1100	1252 KORKt 3 NV 1050	1030 WTHS 2 FL 1150
2103 WOAYt 4 WV 1150	1445-1500 unid 2	1040-55 unids 2,3 sp
soon f/out	1605-1625 unid 2 ne	1058 WESH 2 FL 1055
7 Es 0735-0840 unids 2-4	10 Es 0810 unids 2-6	(MUF 98.6 @ 1140)
0845 KFYRt 5 ND 1200	0815 WJXTt 4 FL 1015	1120-1615 unids 2-6
(MUF 94.9 @ 0918)	0829 WESH 2 FL 1055	spanish (storm)
0930 KRMat 6 CO 810	WUFTt 5 FL 970	1705 KORKt 3 NV 1050
1029 KUSD 2 SD 920	0835 WDBot 6 FL 1035	KNBct 4 CA 1190
WISC 3 WI 1065	0850 WPTVt 5 FL 1150	1715 KNXT 2 CA 1190
1043 KWGN 2 CO 810	WTVJt 4 FL 1150	1805 KTLAt 5 CA 1190
KOA t 4 CO 810	0859 WEDU 3 FL 985	1830 KEYT 3 CA 1270
1259 KUTV 2 UT 1080	0900 WPBT 2 FL 1150	1850 soon f/out
1400 f/out	(MUF 94.9 @ 0920)	Es? 2240 unid 2 ne
1540-1600 XHAP 2 880	0928 WCIXt 6 FL 1150	16 Es 0050-0055 unid 2 nw
1820-1840 unids 2-4	0935 KORKt 3 NV 1050	0915 Cuba 2 (tp)
1845 WCCot 4 MN 1110	0940 KOAt 2 AZ 855	unids 2,3
1859 KTCa 2 MN 1110	0948 KTVK 3 AZ 835	1005 left for Cent.
1935 unids 2-5	1045 unid 2 s/sw	States VHF Soc. con.
2015 KLNET 3 NE 785	1115 f/out	(Aug 16-19)
2052 KTVQ 2 MT 1245	1145-1330 unids 2-4	20 Es 1915-2045 unids 2-4
2105 KNOP 2 NE 815	1202 KUTV 2 UT 1080	1955 KLNET 3 NE 785
2140 f/out	KTVxt 4 UT 1080	2000 KDIX 2 ND 1225
8 Es 1005-1630 unids 2-6/	1230 KNXTt 2 CA 1190	KFYRt 5 ND 1200
(MUF 95.3 @ 1120) sp	1545-1600 unids 2-4	21 Es 0250-0255 unid 2 n
1445 Cuba 2 (tp)	1616 KMTV 3 NE 830	0830 unids 2 ene
	(MUF 99.1 @ 1653)	0859 WEDU 3 FL 985
July 9-Aug 3 off to Queens-	1829 WUND 2 NC 1360	0929 WESH 2 FL 1055
land, Australia visiting	1840 WTVJt 4 FL 1150	1015 XHBct 3 BCN1010
relatives.	1859 WESH 2 FL 1055	1020 KOAI 2 AZ 855
August 1979	1900 WEDU 3 FL 985	1055 KNBct 4 CA 1190
3 Es 2000 WESHT 2 FL 1055	1905 WJXTt 4 FL 1015	1059 KEYT 3 CA 1270
	2100 WCCot 4 MN 1110	KNXT 2 CA 1190
	2059 KTCA 2 MN 1110	1129 KORK 3 NV 1050

Pat Dyer (continued)

August 1979

21 Es	1200 KLNET 3 NE 735	23 Es	1727 KTLAT 5 CA 1190	25 Es	2029 KNBct 4 CA 1190
	1203 KCKT 2 KS 615		(MUF 107.9 @ 1802)		2030 KORKt 3 NV 1050
	1220 apx f/out		1825 KORK 3 NV 1050		2100 apx f/out
	1350-1445 unids 2		1850 KTVXt 4 UT 1080	27 Es	0935-1030 unids 2,3
	1429 KUSD 2 SD 920		1855 KSLt 5 UT 1080		0959 KTCA 2 MN 1110
	1810 unid 2 brief		1859 KUTV 2 UT 1080		1732 WTWO 2 IN 935
22 Es	1030-1055 unid 2 s		1900 KFYRT 5 ND 1200		1900 WSJK 2 TN 1010
	1430 WESH 2 FL 1055		1950 KOA t 4 CO 810		1910 f/out
	1440 WPBt 2 FL 1150		1958 KRMA 6 CO 810		2100-2315 unids 2,3 n
	WEDut 3 FL 985		KWGN 2 CO 810		2115 KLNET 3 NE 785
	1445 WJXTt 4 FL 1015		KTWO 2 WY 1015		2118 KDIX 2 ND 1225
	1510 f/out		(MUF 98.5 @ 2006)		2159 KTWO 2 WY 1015
	1545 unid 3 brief		2020 KVVUt 5 NV 1040	28 Es	0940-1020 unids 2,3
	1715 WCBDt 2 SC 1120	24 Es	2210 f/out	29 Es	2145 unid 2 se
	1718 WCIVt 4 SC 1120		1515 unid 2 brief		2230 WPBt 2 FL 1150
	1745 f/out		1835 unid 2 lull-1855		2250 apx f/out
23 Es	0820-30 unids 2-4		1921 KNXT 2 CA 1190	30 Es	0810-0900 unids 2-6
	(MUF 89.3 @ 0835)		1943 KEYT 3 CA 1270		0859 WDTN 2 OH 1075
	0830 WCIVt 4 SC 1120		1957 KNBC 4 CA 1190		0959 KTVI 2 MO 790
	0832 WCSct 5 SC 1120		2020 XHBct 3 BCN1010		WKZO 3 MI 1140
	0859 WSJK 2 TN 1010		(MUF 89.7 @ 2027)		1029 KIMT 3 IA 985
	0930 f/out	25 Es	2130 apx f/out		WMT 2 IA 945
	1455 unids 2,3 sp		1450-1515 unid 2 nw		1040 KFYRT 5 ND 1200
	Cuba 2 (tp)		1620 KGFE 2 ND 1240		(MUF 94.7 @ 1045)
	1600 unids 2-4 La Am		1630 unid 4		1127 KDLO 3 SD 1070
	1700 XHBct 3 BCN1010		1637 KDLO 3 SD 1070		1150 f/out
	1714 KNXT 2 CA 1190		1705 f/out		1220-1400 unids 2,3/
	1727 XETV 6 BCN1100		1825-1915 unids 2,3		n/nw
	KNBct 4 CA 1190		2020 unids 2,3 nw		1310 KOTA 3 SD 1040
			2029 KOAI 2 AZ 855		1400 KWGnt 2 CO 810

After a somewhat sluggish Es season start in May, it looks like a very "die hard" August. Not many years have provided as much in the month.

Even though I got back from the Australian trip a week sooner than originally planned, the Perseids didn't produce all that I'd expected. Maybe able to get some with the Lewis Telethon this weekend. 73, Pat, WA5IYX

Fred McCormack, 909 12th St. N., Fargo, ND 58105

CDT

August was a slow DX month here, but I did get a rare opportunity to DX from my Des Lacs QTH on the weekend of the 10th. Dx from Des Lacs is indicated with an asterisk.

August 1979

7 Es	2207 unid 2 BC	10 Es*	2230 KWAB 4 TX 1105	17 Es	0956 unid 2 s
	2259 KUTV 2 UT 880		*(MUF 94. @ 2237)		1101 unid 2 s NBC
10 Es*	2001*KBTX 3 TX 1245		*2320 KDBC 4 TX 1165		2035 unid CBS
	(MUF 107.9 @ 2023)	11 ms	0903 KBCI 2 ID 760		2200 unid 2 s
	*2159 KMID 2 TX 1115		Es*1003 unid 2 NBC	tr	2304 KCAU 9 IA 300
	2200 KAMR 4 TX 895	tr	1650 KBME 3 ND	18 tr	0559 KELO 11 SD 230
	*2229 KENW 3 NM 995	12 Es	2332 KDKA 2 PA 945		1000 KRIN 32 IA 395
	*2230 KTXT 5 TX 1015		2336 WTTG 5 DC 1135		1021 KXNE 19 NE 320
		16 Es	2230 KUTV 2 UT 880		1029 KHNE 29 NE 425
			(MUF 94.1 @ 2241)	20 Es	1954 unid 2,3 se



WEATHERADIO CANADA

by William R. Hepburn

WEATHERADIO CANADA is the Canadian equivalent of NOAA Weather Radio. It seems very likely that the NOAA network will be completed by the end of this fall; the Weatheradio Canada network is only beginning to expand.

This service was started on January 24, 1977 when the Atmospheric Environment Service began operating its station at Vancouver. There are now 4 main stations in operation with a total of 17 planned. These stations alone will provide coverage to 50% of the Canadian population. In addition, province-wide networks of repeater/booster stations are planned to further increase coverage. The first of these networks is already operating in Nova Scotia. Networks in New Brunswick, Ontario, Manitoba, Saskatchewan, and Alberta should be operational by 1981.

Here is a list of current weatheradio stations and stations planned for the near future:

<u>Location</u>	<u>Call</u>	<u>Freq.</u>	<u>ERP</u>	<u>AAT</u>	<u>Remarks</u>
HALIFAX, N.S.	XLK-473	162.55	100	600	
R : Bridgewater, N.S.	"	162.40	100	690	repeater
Shelburne, N.S.	"	162.55	100	433	"
Truro, N.S.	"	162.40	100	1361	"
Kingston, N.S.	"	162.55	100	960	"
Weymouth, N.S.	"	162.55	100	626	"
Melrose, N.S.	"	162.55	100	958	"
River Denys, N.S.	"	162.40	100	1040	"
Sydney, N.S.	"	162.55	100	760	"
MONCTON, N.B.	...	...	...	...	planned for 80-81
MONTREAL, Que.	XLM-300	162.55	100	760	bilingual format
OTTAWA, Ont.	...	...	...	...	planned for 1980
TORONTO, Ont.	XMJ-225	162.475	100	1400	up from 20w
LONDON-KITCHENER, Ont.	...	...	...	...	planned for 1980
SUDBURY, Ont.	...	...	...	...	planned for 1980
THUNDER BAY, Ont.	...	...	...	...	planned for 80-81
WINNIPEG, Man.	XLM-538	162.55	...	...	C.P.
REGINA, Sask.	XLM-537	162.55	...	...	C.P.
SASKATOON, Sask.	...	...	...	...	planned for 80-81
EDMONTON, Alta.	...	162.55	...	...	C.P.
VANCOUVER-VICTORIA, B.C.	CFA-240	162.40	200	1975	

In addition to weatheradio stations, some Canadian Coast Guard radio stations on the Pacific Coast now occupy the weather frequencies in order to avoid interference on the maritime weather channel of 161.65 MHz.

(continued on page 50)

C.C.I.

[UNIDENTIFIED DX]

Scott & Mark Levitt
 3132 Woodland Avenue
 S. Plainfield, NJ
 07080
 Deadline: the 5th

October, 1979

 TV unID's

Robert Goodman 5129 W. Roosevelt Rd. Apt. B7 Cicero, IL 60650

1978 unID's

Wed Sep 6 Tr ch 3 2200 CDT--"News Active 3" (Definitely WKZO -SL)
 ch 57 2200 CDT--"Dick Cavett Show" followed by "Captioned
 ABC News" at 2230 (WBGU checks -SL)
 Thu Sep 7 Tr ch 35 0000 CDT--"Tomorrow" (WLIO only NBC 35 to my knowledge
 -SL)
 ch 18 0030 CDT--"Tomorrow", same offset as WLFI (Looks like
 WHIZ -SL)

1979 unID

Tue Feb 27 Tr ch 39 0800 CDT--"PTL Club" to 0930 ID as KDKA - translator?

Mike Reid 109 Arjay Cr. Willowdale, ON

1978 unID's

Tue Aug 1 Es ch 4 0214 EDT--"Ironside" (KTVY checks -SL)
 ch 2 0216 EDT--"American Religious Town Hall Meeting" (KTEW
 checks)
 MS ch 2 0330 EDT--"Tomorrow"
 ch 2 0351 EDT--"PTL Club"
 Mon Aug 21 Tr ch 3 0545 EDT-- CBE or IHTP, Ø or + offset
 ch 4 0555 EDT--Circular TP with concentric circles not as
 far apart as on an IHTP (like WFSB TP in May
 1974 VUD) s/on past 0600
 Tue Aug 22 Tr ch 9 0400 EDT--"Christopher Closeup" to 0400, then "Holy Ro-
 sary", News, and "Lord's Prayer" s/off near
 0420 (WCPO checks -SL)
 ch 4 0454 EDT--"Bijou"- name of late movie show-ant. SW
 (KMOX only 4 on that late in that direction
 -SL)
 Thu Aug 24 Tr ch 13 0226 EDT--wedge TP (I've seen WVEC use this TP, but
 that was about 3 years ago -SL)

Robert Grant 5775 Bishop Detroit, MI 48224

1977 unID

Tue Aug 2 MS?ch 7 2300 EDT--very strong signal overrode WPBN- saw "ABC
 Evening News", then Barbara Walters talking.
 (This is probably a PBS carrying the "Captioned ABC News", not an ABC station which
 would have local news at this time -SL)

1978 unID

Sun Aug 13 Tr approx.ch65 0630 EDT--"Summer Semester" // WTOL (Probably a
 translator -SL)

1979 unID

Wed Jan 3 MS ch 2 0450 EST--BE TP with huge "2" in center (The picture
 you drew looks exactly like WMAR's TP -SL)

Dave Hascall 211 N. Merrill Fortville, IN 46040

1979 unID's

Fri Jun 22 Tr ch40-45 0105 EST--s/off with address and phone number-anyone
 recognize this?
 Thu Jul 5 Es ch 2 1800 EST--slide with "CVS" on it (CVS is a chain of
 convenience stores in the Northeast. You
 probably saw an ad. -SL)
 ch 2 1800 EST--slide and announcement: Atlantic Television
 Service (This is CKCW, a member of ATV -SL)
 Tue Jul 9 Tr ch 4 1445 EST--M*A*S*H* seen while WTTV was temporarily off
 the air. (Since this is the regular network
 time for this show, it could be any CBS 4
 probably WHBF -SL)

Robert Goodman 5129 Roosevelt Rd. Apt. B7 Cicero, IL 60650

1979 unID

Fri Jun 1 Es ch 3 0900 CDT--"Electric Company" til 0930, 1200 slide shown with "CETA", a picture of a soccer ball and chs. 3,11,12,13. (This is KOET, Eufaula, OK, which is a station in QETA, which stands for Oklahoma Educational Television Authority -SL)

Robert J. Williams 251 6th Ave. East Twin Falls, ID 83301

1978 unID's

Mon Jun 19 Es ch 2 1025 MDT--unID IHTP
 Sat Jun 24 Es ch 3 1101 MDT-- "Flintstones" (KFDX checks -SL)
 ch 4 1123 MDT--"Ironsides" (KAMR checks -SL)
 ch 4 1156 MDT--Wrestling (KARK checks -SL)
 ch 3 1401 MDT--End "Nashville Music" begin Major League BB (KFDX checks -SL)
 Sun Jul 2 Es ch 3 1133 MDT--"Wall Street Week" (KOET checks -SL)
 ch 4 1155 MDT--"Ironsides" (KAMR checks -SL)
 Mon Jul 10 Es ch 3 1137 MDT--"Dick Cavett" "Evening at Pops" at 1200 (KOET checks -SL)
 Tue Jul 11 Es ch 3 0002 MDT--s/off with HF suspect KFDX
 Thu Aug 10 Es ch 2 2100 MDT--end "Firing Line" (KGFE checks -SL)
 Mon Aug 14 Es ch 2 2101 MDT--begin "M*A*S*H*"

John F. Combs 2485 Ivan Ct. Orlando FL 32807

1978 unIDs

Thu Aug 31 Tr ch 5 0403 EDT--Talk/discussion show at 0415 MPL sbb then CB then off. Not WPTV, WAGA usually off earlier. PTA- southeast US
 Sat Sep 2 Es ch 2 1701 EDT--St. Louis-Cincinnati BB, same game as NBC, but not using NBC feed. (Probably WDTN -SL)
 ch 4 1730 EDT--"Room 222"
 ch 4 1740 EDT--"Good Ol' Nashville Music"
 ch 5 1746 EDT--Discussion with Frank Newman, president of Univ. of Rhode Island
 Sun Oct 1 MS ch 3 0630 EDT--"Faces of Aging" PTA- eastern US
 Sat Oct 14 MS ch 3 0510 EDT--"Mary Tyler Moore" promo? or does someone actually run it this early?
 Sat Oct 28 Es ch 4 2108 CDT--variety show with Paul Williams and Bernadette Peters singing. PTA-midwest

FM unID's

John F. Combs 2485 Ivan Ct. Orlando FL 32807

1979 unID's

Mon Jul 2 Es 94.9 1935 CDT--St. Louis BB WYER?
 Sun Jul 15 Es 94.9 1952 EDT--Italian mx and talk-PTA for Jul 15 is OH, IL,IN,PA,NY
 93.3 2007 EDT--K station with Country-93 non-ID
 94.9 2015 EDT--PSA by Governor to conserve energy, included suggestion to keep speed under 50!
 97.1 2028 EDT--End "Hour of Decision", then Mutual ID. probably a non-gospel stn. with Sunday religious programming
 Fri Jul 27 Es 88.1 1945 EDT--Latino mx with SS DJ, but PSA's in English PTA-Midwest Great Lakes

I still have some Summer 1979 TV unID's which I haven't been able to do anything with because I have no TVG's for this time. Now that all the fall schedule changes have occurred, it is to late to send out for them, so, I hate to do this, but, I'd like to know if someone has a set that I could borrow or have. I will pay for postage.

Thank you Les Prus, Bill Draeb, and Bill Thompson for helping me get started with the column.

Good DX to all,

Scott

VHF UTILITY DX

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

OCTOBER 1979

The Central States VHF Society annual convention was held at Irving, TX August 16-19. Several members of the WTFDA were in attendance, most notably Mel Wilson, W2ECC.

Mel presented a resumé of Es research and progress in the last 40+ years. A hypothesis of "Es ducting" (signals being propagated for great distances within the Es regions without ground reflections) was put forth as a possible mechanism by which the long-distance Japan to California 50-MHz of recent summers might be explained.

K5CM of Oklahoma showed some of the results of his extensive 50-MHz work on F2 backscatter. With oscilloscope photos to show the time delays involved in the echoes, one could easily see the difference in the one-hop and two-hop modes. (Sometimes there would only be the two-hop echo, a perfect example of the "trapezoidal path"; see my article in December 1974 ham radio.) Other facets noted were rapid fading (on the order of several decibels within 100 milliseconds) and sharp MUF cut-off (from a strong echo to none within 100 kHz).

K4GFG of Florida has been observing the 2-meter FAI phenomena this year. A rather unexpected finding was an opening to Texas in early August. Most of the tests had been with a Puerto Rico station. As there appears to be a connection with intense Es in the same regions, he is very eager to obtain back issues of the VUD for the TV & FM Es opening information.

Other attendees from out of the country included amateurs from Canada, Mexico, Venezuela, and France. A demonstration of an earth satellite TV receiving station was held using a 10-foot dish antenna.

Recent 50-MHz news - Hawaii beacon into South Africa Sept 5 @ 1825z; Hawaii getting Australia and New Hebrides often; Australia getting Japan and Korea; Alaska into midwest and New York before/after an aurora; Chile into Dominican Republic; Argentina into Iowa (Es-F2 link, Sept 1, 2145z); Jamaican beacon into Argentina; Cyprus beacon into S.Africa & S.Africa into Greece; Canal Zone getting 41.5 & 48.25 BBC audio near 14z for a while; Ecuador beacon on 50.036 not 50.030 (K4ERO/HCL - HCLJX); the 10-m VHF information net on 28.885 is now getting more active - formal net at 17z Sundays - other times used as needed.

My loggings. Hallicrafters SX-62, Bearcat 210 (Aug 24 on); two 30' wires at 12' with nw-se, sw-ne runs; 49.5+ Swan 250 with Ameco nuvistor preamp and 5-el horizontal Cushcraft yagi at 23' with rotor; GMT used, F2 (with daily MUF peaks noted) unless otherwise noted * Es, bs-backscatter

8-6:	8-25:
2000 35.28 Argentina	0030 35.46 L.A., CA-mp *
8-7:	0055 35.38 " " " "
1830 35.28 Arg.	0314 " San Diego, ""
8-20:	1605 30.42 Canada; 1905 37.19
0000 32.96 Arg.	2358 KIN645 *
2155 35.58 bs	8-26:
8-21:	0002 KIY508 35.22 Orlando, FL-tp*
2100 35's bs	0305 35.46 L.A.*
2312 KOE257 35.22 Phoenix, AZ-tp*	1610 38.500, 2246 KIY508*,
8-22:	2254 KLF527
2035 36's (Colombia?)	8-27:
8-24:	1450 30.42 Canada
1300 US 30-31+ ne, 1535 low-33 US nw?	1530 30.475 Espinal, Colombia (5th ha)
2120 KIN645 35.22 Miami, FL-tp*	1845 38.500
2135 KLF527 35.22 Honolulu, HI-tp	

-cont-

Dyer cont.

8-28:
 0006 KIF653 35.22 Memphis, TN-tp* 9-1:
 1515 30.475 Espinal; 1538 35.46 L.A.* 1520 31+ US ne; 2120 38.500
 1543 35.38 L.A.*, 1554 KIY508* 9-2:
 1616 35.46 S.Diego*; 2126 40.86 0405 KH6NS 50.1+ Oahu, HI-a(3Es)
 8-29: (magnetic storm) 1353 low-33 US ne; 1458 KIY508*
 2215 38.500 (Spanish) 1815 38.500; 2357 KLF527
 8-30: 9-3:
 0305 KIN645* 0020 KIN645*; 1242 KIN645*, KIY508*
 0314 KIF651 35.58 Ft. Lauderdale, FL-tp* 1535 38.500; 1840 30.42 Canada
 0453 KFL936 35.58 Phoenix, AZ-tp* 9-4:
 1444 KQI316 33.90 Cincinnati, OH-f* 1309 KIY508*; 1500 33's US ne
 1540 low-33 US ne, 2115 40.86 1640 KOE257*; 1850 49.92
 2359 KLF527 9-5:
 8-31: 1420 30.42 Canada; 2100 40.86
 2040 42.17 ? 9-6:
 2359 BBC 30.52 Ascension Is.-ha 0030 BBC 30.52

a-amateur, f-fire, ha-harmonic, mp-mobile phone, tp-tone pager

As can be seen, even from this close vantage point to the coasts, the east-west F2 season is upon us (some west coast stations have reported MUF's to the east to 36 MHz). Things should get better as the fall progresses (Boulder is still putting the smoothed maximum in November, while the Swiss would see to have the numbers heading down by then.)

August solar flux average 174 which puts a smoothed average on Feb of 171. Still well above Cycle 20 levels, but, alas, falling behind what Cycle 19 did by now.

I do hope that during this F2 season that I will be getting more input from those members on the west coast, as the next few months should see the highest MUF's east-west in some 20 years (maybe even getting close to Ch A2). Of course, continued support from past contributors is also appreciated.

For those on the west coast who have a good shot at getting New Zealand Channel 2 (video 55.25/audio 60.75) the following may be of use

location	kHz off	pol.	vid.ERP	ant.m.	ASL,m.	lat.S.	long.E.
Waiatarua	- 10	H	100 kw	125	391	36° 55' 39"	174° 34' 03"
Otangiwai*	0	H	0.001 "	9	378	38 44 03	175 05 12
Mangatarata*	- 10	V	0.05 kw	15	728	38 05 55	178 05 40
Wharite	0	V	100 kw	122	915	40 15 20	175 51 30
Okains Bay*	+ 10	H	0.002 "	12	240	43 43 11	169 11 19
Mt. Cargill	+ 10	H	50 kw	110	674	45 48 55	170 33 15

(* translator station) all of these carry net 1 programming

It had been thought earlier that due to a power crisis the New Zealand TV might have to use later sign-on hours. However, the latest on that is that in many cases the schedule is back to what the information cited as January 1978 had it. (The trade test transmissions are apparently widely used in adjustment of TV sets as well as for sales demonstrations in the stores.)

San Diego area stations have been receiving the 45.25 NZ video as well as the 46.25 Australian video on several days in August already. As yet no reports of the sound portions of the channels (remember they are wideband FM and will not sound well at all on an AM or narrow-band FM receiver). Due to F2 dispersion effects it would be rare for both video and audio (5.5 MHz apart) to be propagating well at the same time into the same point. (So having a New Zealand or Australian TV set might not be worth the trouble.)

IN SEARCH OF PSB

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

IN SEARCH OF PSB....The Keystone Connection.....
This month's feature will touch on the many 33 megahertz fire departments in the state of Pennsylvania, which should be an interesting challenge for west coasters during the upcoming F-2 season. This very detailed information comes to us from Craig K. Willard of Narbeth Pennsylvania. Many thanks go out this fine gentleman for the personal involvement in research from the various agencies as noted.

Bradford County	33.88		Fire Communications
Chester County	33.90	KJY 884	Fire Dispatch
	33.86	KJY 884	
	33.88	KJY 884	
	33.96	KJY 884	
	33.98	KJY 884	
	33.70	KJY 884	
	33.78	KJY 884	
	33.94	KJY 884	
Clinton County	33.78	KGE 734	F-1
	33.84	KGE 734	F-2
Dauphin	33.80	KGE 633	Alerting
	33.84	KGE 633	Field Operations
	33.86	KGE 633	Medical
	33.90	KGE 633	Mutual Aid
Forest County	46.38	KGF 485	Marienville Dispatched Units
	33.82	KGD 548	Tionesta Dispatched Units
	33.82	KVA 256	West Hickory Dispatched Units
Montgomery County	33.60	KUE 698	Montgomery County
	33.76	KUE 698	Montgomery County
	33.84	KUE 698	Lower Merion Township
	33.64	KUE 698	Montgomery County
	154.13	KUE 698	Northern Montgomery County
	154.445	KUE 698	Cheltenham Area
	154.205	KUE 698	Oreland Area
	154.175	KUE 698	Fairmont Area
	45.96	KLL 750	Second Alarmers Association
	46.10	KLL 750	Second Alarmers Association
	46.14	KLL 750	Second Alarmers Association
	33.66	KUE 698	Montgomery County
Northampton County			
	154.34	KGG 511	Communications
Union County	46.06	KFG 423	Communications
	46.16	KFG 423	Communications
	46.50	KFG 423	Communications
Westmoreland County			
	33.70	KDZ 405	911 Emergency Center
York County	33.90	KRE 417	Main Dispatch
	33.88	KRE 417	Fireground
	33.90	KGD 214	Standby Transmitter
	154.28	KSQ 481	Mutual Aid

In the upcoming months, I hope be able to speak more on low band provided I can get information from you, the contributor. Your infor-
mation is of a great importance!!!

Craig Willard G-33 Montgomery Court Narbeth, PA 19072 also reports:

Bucknell University Police Department

Lewisburg, PA KrC 491 31.24 mhz

West Goshen Township Police 158.745 154.785
West Whiteland Township Police 45.48
West Nottingham Township Police 158.745
Willistown Township 158.745
West Chester Borough 500.4125

Chester County Police Radio

Channel 1 154.785 Fast Division
Channel 2 154.74 West Division
Channel 3 155.76 Countywide
Channel 4 158.85 Car to Car
Channel 5 158.91 Local Municipal

Union County Police 155.49 WXB 843 Limestone Township
Lewisburg Borough Police 155.49 KXB 615
Lewisburg Borough Police 155.685 KLB 615
White Deer Township Police 155.49 KYN 934 New Columbia

Eastern Federal Penitentiary 170.875 Kelly Township Lewisburg

Montgomery County Local Police LG- Local Government PD- Police

Abington Township KGA 260 39.18 PD
Abington Township KJB 805 155.82 LG
Ambler Borough KKK 598 155.145 LG
Cheltenham Township KRL 559 155.025 LG
Cheltenham Township KGA 404 158.85 PD
Cheltenham Township KGA 404 158.97 PD
Franconia Township KXO 800 45.12 LG
Hatfield Township KKK 712 154.115 LG
Horsham Township KUS 607 45.24 LG
Horsham Township KUL 745 45.42 PD
Horsham Township KUL 745 45.58 PD
Jenkintown KJL017 39.18 PD
Lansdale Borough KKK 647 155.64 PD
Lansdale Borough KGA 647 159.03 PD
Lower Gwynedd Township KAO 482 155.865 LG
Lower Merion Township KTK 732 460.275 PD
Lower Merion Township KGB 325 158.73 PD
Lower Merion Township KGG 242 151.025 LG
Lower Moreland Township KJG 999 155.955 LG
Lower Moreland Township KYG 660 39.18 PD
Lower Moreland Township KYG 660 39.28 PD
Lower Moreland Township KYG 660 39.44 PD
Lower Providence Township KJF 781 46.58 LG
Lower Providence Township KTS 537 46.58 LG
Montgomery Township KSL 431 154.995 LG
Montgomery Township KSL 431 158.775 LG
Norristown Borough KGA 484 501.0625 LG
Norristown Borough KGA 484 501.1125 LG
Norristown Borough KGA 484 37.18 LG
Norristown Borough KDK 392 155.115 LG
Norristown Borough KZV 272 500.9875 PD
Pottstown Borough KGJ 600 45.82 PD
Pottstown Borough KGJ 600 45.94 PD

WTFDA

1979 CONVENTION REPORT

by Don Blevins, with photos by Tom Yingling, Jr.

The 1979 WTFDA convention was held at Meushaw's Hilltop Inn in Baltimore, and was hosted by members Donald Blevins and Tom Yingling. Over 40 DXers attended, with 38 of them WTFDAers.

The very complete program started at 12 noon on August 3rd (Friday), with registration of the early arrivals. At 2 p.m., conventioners were treated to a tour of the facilities of WMAR-FM (106.5 MHz), and WMAR-TV (channel 2).

A steady barrage of gab sessions and informal meetings followed that afternoon and evening at the hotel, providing for a very sociable exchange of information regarding antenna systems, tips on DX reception, etc. As the evening progressed, the group continued to grow larger with arriving conventioners from many parts of the U.S. and Canada.

Saturday proved to be the busiest day for the convention attendees, beginning with John Pilger's excellent presentation of the radio co-ordination between the fire departments and hospitals in the state of Maryland using the UHF Paramedic Emergency Service, and the Maryland Emergency Medical Resource Center.

Next on the program was Major Weintraub, director of communications for the Baltimore Police Department, with an interesting lecture about the function of a modern-day police department, and an interesting look into the past history and evolution of police communications.

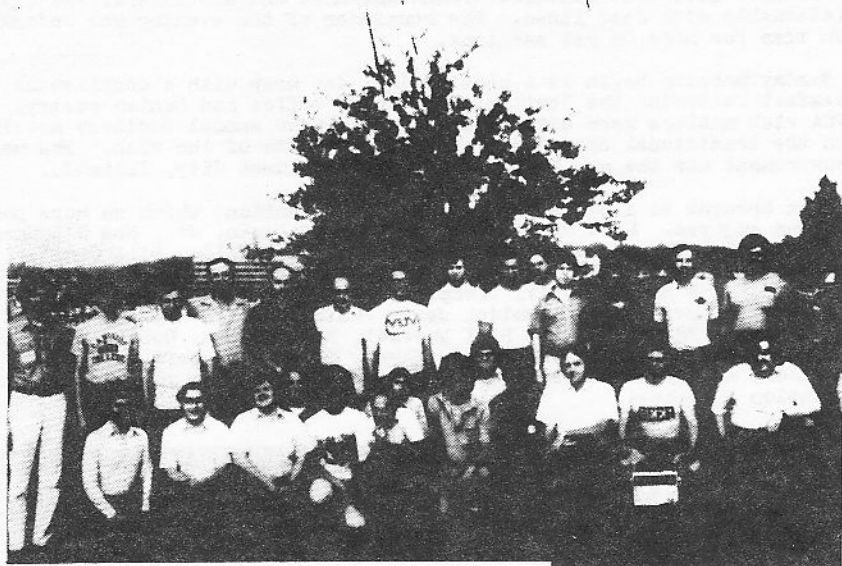
After lunch, Mr. Bob Jones of the Maryland Center for Public Broadcasting provided us with an excellent look into the workings of the Center, which operates the state's network of Public TV stations.

Baltimore Fire Department's Dennis McMahon provided a program outlining a brief history of fire communications, and a look into the future utilizing Motorola's Modat system. The new system incorporates computer-assisted dispatch and audio tone packages to yield brevity in routine PSB communications.

To provide an insight into this season's F2 reception of BBC-1 TV, Jerry Police gave a slide presentation showing his circuit to convert a U.S. standard television set to receive foreign standard video. The most dramatic picture was one that showed the results--BBC TV video as logged by Jerry last winter!

Following the slides, Jerry showed a film made by the BBC to explain, to the layman, how television works. For a very humorous change-of-pace, Jerry gave everyone a rare treat--cartoons! No, these weren't your regular Saturday morning "kiddie" fare; they were cartoons that you won't see on commercial television for various reasons. These animated classics were made during the 30's and 40's, mostly as World War II propaganda for the Allies, and are considered ethnically and politically offensive today. Believe it or not, at least one "Daffy Duck" short is not considered suitable for commercial TV these days!

The banquet which followed was an example of the expertise of Skip Meushaw's restaurantering: a meal that featured a buffet of baked chicken, seafood au gratin, roast beef, scalloped potatoes, and green beans, highlighted with a dessert of apple pie.



ABOVE: It's hard to get everyone at a WTFDA convention to stand still for a photo, but most of them did on Saturday!



LEFT: Meushaw's Motor Inn, located on a hill, served as our convention site this year.

RIGHT: There were many out-of-state license plates to be seen on various "DXmobiles" from many different parts of the U.S. and Canada! Having mobile FM DX gear seems to help you to ease the aggravation of high gasoline prices, though it probably won't help increase miles per gallon, hi!



The program concentrated on technical matters following the banquet. Renowned E-skip expert Mel Wilson gave a brief talk on his favorite topic via a pre-recorded audio tape played to the gathering, followed by a very interesting and informative question-and-answer session given by engineer Joe Gragg. Questions centered around antennas and amplifiers, and their relationship with feed lines. The remainder of the evening was informal, with time for more DX gab sessions.

Sunday morning began as a hectic final day wrap with a continental breakfast featuring the "bottomless" cup of coffee and Danish pastry. WTFDA club matters were discussed at the regular annual business meeting, with the traditional open discussion on the state of the club. The major announcement was the new club HQ address in Calumet City, Illinois.

That brought to a close the 1979 WTFDA Convention, which we hope that everyone enjoyed. Most of all we thank Bill Coleman, Jr., Rod O'Connor, Richard Eddie, John Zondlo, Richard Evans, Albert Ellis, Bill Grant, George Greene, Mike Reid, Peter Sawatzky, Frank Merrill, Harry Hayes, Les Prus, Ralph Strobel, Bill Thompson, Don Erickson, Bob Seybold, Scott Levitt, Mark Levitt, Dave Tomlin, Jerry Pulice, Dave Grim, Jim Alexander, Bill Eckberg, Marvin Shults, Bill Wurtzel, Paul Traska, Robert Covington, Jeff Kadet, John Pilger, Joe Gragg, Murray Bernstein, Jeff Wolf, Jerry Robertson, and John Robertson for attending, for it was you who made this convention a success.

STATION BREAK

WTFDA Headquarters
Post Office Box 97
Calumet City, IL 60409

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

FOR SALE - Older Zenith Trans-Oceanic with unique SCA adapter for 41 and 67 kHz, switchable. Ideal for somebody in the Chicago area to hear WOJO's 2 SCA freqs. AC only. \$90 ppd. B. Elving, Box 251-KSC, Kearney, NE 68847.

FOR SALE - Electronic parts, brand new, still in packages. Send S.A.S.E. for list of parts. Write Arthur Williams, Jr., 576 Springtown Rd., New Paltz, New York 12561.

TRADE - Will trade on an equal basis my Northern Michigan and/or Northern Wisconsin edition TV GUIDE (state preference) for one of your area TV GUIDES. Paul E. Petosky, Box 51, Trout Lake, Michigan 49793.

WANTED - Old TV GUIDES. Jeff Kadet, P.O. Box 90, Rockville, MD 20850.

Your non-commercial ad can appear in the VUD free of charge! Got a piece of gear you'd like to sell? Looking for something? Advertise in STATION BREAK.

WEATHERADIO CANADA

(continued from page 41)

These stations are as follows:

<u>Location</u>	<u>Call</u>	<u>Freq.</u>	<u>ERP</u>	<u>AAT</u>	<u>Broadcast Times/Remarks</u>
COMOX, B.C.	VAC	162.55	100	250	continuous bcst
SPRING ISLAND, B.C.	VAE	162.55	4	800	continuous bcst of VAE Tofino, B.C.
ALERT BAY, B.C.	VAF	162.55	100	200	at 0605, 0720, 1120, 2020 PST

All ERPs are output power in watts. All AATs are antenna heights in feet. Information concerning C.C.G. Pacific broadcasts on both 161.65 & 162.55 may be detailed in a future article. Further information regarding Weatheradio Canada will be sent to the "In Search of PSB" column.



STATISTICS

Fred Nordquist
7945 Boxford Road
Clay, NY 13041

October 1979

Deadline: Nov. 10th

NEW FM DISTANCE RECORDS

MHz	Prop	Call	Location	Miles	DXer, Location	Old Record
90.9	Es	KAMU	TX College Station	1400	Fred Nordquist, Clay NY	McCormack 1390
93.1	Es	KJOK	AZ Yuma	1440	Richard Wood, Cape Girardeau MO	McCormack 1435
94.1	Tr	KEZQ	AR Little Rock	1040	Fred Nordquist, Clay NY	Hauser 1015
	MS	KBPO	TX Beaumont	1190	Peter Sawatzky, Waterloo ON	Ebeling 1100
94.5	Es	KELT	TX Harlingen	1555	Fred McCormack, Des Lacs ND	Sawatzky 1530
95.1	MS	WLST	WI Marinette	1145	Rick Sanford, Burnett TX	Hauser 1130
95.3	Es	WPVA	VA Petersburg	1440	Fred McCormack, Des Lacs ND	Hauser 1415
95.7	Es	WKEZ	VA Norfolk	1510	Fred McCormack, Des Lacs ND	Nordquist 1495
	Tr	KKXA	AR Little Rock	1040	Fred Nordquist, Clay NY	Brown 865
95.9	Es	WISZ	MO Glen Burnie	1390	Fred McCormack, Des Lacs ND	Hauser 1380
96.3	Es	KFSG	CA Los Angeles	2145	Michael Dalton, Clearwater FL	Ebeling 1510
97.3	Au	WIBW	KS Topeka	545	Fred McCormack, Fargo ND	Remington 410
97.9	Au	WNCI	OH Columbus	565	Mike Bugaj, Enfield CT	Bolin 275
98.1	Tr	KSLQ	MO St. Louis	895	Fred McCormack, Des Lacs ND	Brown 350
	Au	KUDL	MO Kansas City	550	Fred McCormack, Fargo ND	Bolin 535
98.5	Tr	KLAZ	AR Little Rock	1175	Mike Bugaj, Enfield CT	Nordquist 1040
98.6	Es	TGHR	Guat Guatemala	1195	Rick Sanford, Burnett TX	Dyer 1135
98.7	Au	WNOR	VA Norfolk	415	Mike Bugaj, Enfield CT	McCormack 385
	Tr	WBCM	FL Tallahassee	855	Pat Dyer, San Antonio TX	Elving 740
99.3	Es	WPLZ	VA Petersburg	1440	Fred McCormack, Des Lacs ND	Elving 1420
99.7	Tr	WMC	TN Nashville	923	Fred Nordquist, Clay NY	Hauser 890
100.5	Au	WKKI	IN Kokomo	695	Fred McCormack, Fargo ND	Brown 655
101.1	MS	WNOE	LA New Orleans	1085	Peter Sawatzky, Waterloo ON	Hauser 975
101.9	MS	KPMQ	NE Lincoln	845	Peter Sawatzky, Waterloo ON	Ebeling 680
102.1	MS	KKEY	MN St. Paul	1025	Rick Sanford, Burnett TX	Elving 980
103.1	Es	KSRF	CA Santa Maria	1315	Fred McCormack, Des Lacs ND	Hauser 1205
103.7	Tr	KKYK	AR Little Rock	1175	Mike Bugaj, Enfield CT	Nordquist 1040
104.3	Au	WOMC	MI Detroit	745	Fred McCormack, Fargo ND	Brown 470
104.7	Tr	WRBQ	FL Tampa	990	Pat Dyer, San Antonio TX	Elving 960
105.1	MS	WYOR	FL Coral Gables	1150	Rick Sanford, Burnett TX	Howington 1050
105.7	MS	KHCB	TX Houston	1065	John Ebeling, Bloomington MN	Hauser 790
106.7	Tr	WDGM	FL Leesburg	1000	Pat Dyer, San Antonio TX	McCormack 790
	Au	KAZY	CO Denver	700	John Ebeling, Bloomington MN	McCormack 550
106.9	Au	WSWT	IL Peoria	560	Fred McCormack, Fargo ND	McCormack 525
107.3	Es	KINB	OK Poteau	1440	Jim Pizzi, Orcutt CA	McCormack 1395
107.5	Au	KPPL	CO Lakewood	705	John Ebeling, Bloomington MN	McCormack 580
107.7	Au	KKSS	MO St. Louis	665	Fred McCormack, Fargo ND	McCormack 470
107.9	Au	WGMZ	MI Flint	700	Fred McCormack, Fargo ND	McCormack 600

The above distance records exceed previous records published in the following VUD's: 94 MHz thru 108 MHz - Jan. 78; 88 MHz - Nov. 78; 89 MHz - Jan. 79; 90 MHz - Mar. 79; 91/92 MHz - Jun. 79; 93 MHz - Aug. 79; and new FM distance records listed in Jul. 78. If you've logged any new distance records, please drop me a card - including the date and time of reception.

STATES STATS

State	#-DXer	#-DXer	State	#-DXer	#-DXer	State	#-DXer	#-DXer	State	#-DXer	#-DXer	Prov.	#-DXer
AL	31-fm	30-je	IN	133-rs	96-rw	NE	21-je	15-fm/fn	SC	26-je	8-ps	AT	2-je
AK	None		IA	80-je	30-fm	NV	12-fm	3-je	SD	20-fm	15-je	BC	None
AZ	22-fm	20-je	KS	39-db	30-fm	NH	16-rjs	6-mb	TN	28-fm	26-rs	MB	3-je
AR	28-fm	25-db	KY	55-rs	23-fm	NJ	36-ef	35-sw	TX	200-rls	129-fm	NB	None
CA	169-je	74-fm	LA	48-rls	27-je	NM	26-fm	22-je	UT	17-rls	8-je	NF	None
CO	17-je	11-rs	ME	24-rjs	9-je	NY	145-fm	129-js	VT	8-mb	8-rjs	NS	1-ps
CT	38-mb	29-rjs	MD	20-sw	14-mb	NC	53-je	16-fm	VA	36-je	20-fm	ON	48-fm
DE	11-sw	4-mb	MA	73-rjs	58-mb	ND	17-fm	7-je	WA	7-fm	2-je	CA	34-ps
FL	72-fm	71-ps	MI	88-rs	80-ps	OH	150-rs	91-ps	WV	22-rs	12-fm	PEI	None
GA	42-je	28-fm	MN	105-je	62-fm	OK	52-db	32-fm	WI	106-je	45-rs	PQ	15-fm
HA	None		MS	33-fm	23-fm	OR	16-fm	-	WY	2-ps	1-je/fm		11-rjs
ID	13-rls	9-je	MO	57-db	36-je	PA	89-fm	86-js				SA	1-rs
IL	134-rw	114-be	MT	6-je	4-fm	RI	8-rjs	7-mb/js	DC	13-sw	13-js		

fn-Fred Nordquist NY; rs-Ralph Strobel IN; db-Danny Buntin OK; fm-F.McCormack ND; jj-John Jefferson CA; je-J.Ebeling MN; sw-S.West PA; be-B.Elving MN; mb-M.Bugaj CT; ef-E.Fader NY; rjs-R.Steinberger MA; dh-D.Hascall IN; ps-P.Sawatzky ON; js-J.Smith NY; rls-R.L.Sanford TX; rw-R.Winsor IN. Send in your states/provinces totals if any of the above are exceeded.

I will run an FM Scoreboard for the December VUD -- so let's have your current totals by the 10th of November. All 1978 updates will be deleted after the 1st of the year. 73-Fred



WORLDWIDE TV-FM DX ASSOCIATION

Post Office Box 97 Calumet City IL 60409 U.S.A.

**TOUGH
TO BEAT!**

Established 1957

SERVING THE VHF-UHF DX ENTHUSIAST



DUES: U.S. and CANADA, \$13 (via first class); overseas, \$18 (via air mail)

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

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

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

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PUBLISHER.....	Pete Oprisko	BOOKKEEPER.....	Bruce Elving
CIRCULATION.....	John Zondlo	PROCESSING.....	Dave Janowiak
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S U P P L I E S and D X L I T E R A T U R E Available from WTFDA HQ.

REPRINT SERVICE....Articles from May 1972 through 1978 are available.
A complete catalog can be obtained FREE from HQ.

VUD Back Issues....Available: January 1975 to present. 50¢ each

BEYOND SHORTWAVE....An introduction to TV, FM, and VHF-UHF radio, written by prominent DXers. \$1.50

THE FM ATLAS AND...An accurate and detailed listing of FM stations with maps and special articles, written by Bruce F. Elving, VUD FCC FM News editor. \$4.50 via 1st class (Latest Edition!) Also available at \$3.95 via 3rd class.

EDUCATIONAL FM.....A comprehensive guide to the educational FM stations in the U.S., featuring schedules. \$2.00 GUIDE (EFM)

ONDAS FM.....A guide to coastal U.S., Central and South American FM stations, featuring FM Atlas-style maps. English and Spanish articles. \$3.00

Club Rubber Stamp...Official WTFDA emblem, as at the top of this page, 37 mm in diameter. Order from Weldon Patterson-Box 25-Adolph, MN 55701 \$3.50

WTFDA Stationery...Features official WTFDA emblem, as at the top of this page, printed in blue on bond. 45 sheets \$1.00

DX Log Sheets.....Punched for a 3-ring binder. Great to keep DXers' running logs neat and orderly. pad of 100 \$3.50

VUD Boxers.....Attractive cases designed to keep copies of the VHF-UHF DIGEST organized. \$1.50 each

Station QSL.....For requesting QSLs (verifications) from TV and FM stations. Offset printed. 50 sheets \$2.00 Report Forms

DX Column.....For reporting to the DX columns printed each month in the VHF-UHF DIGEST. FREE for a S.A.S.E. Report Forms

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