

From The Staff:

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

SUPER DX CONTINUES...The 1980 DX season has turned out to be one of the best ever for many Midwestern and Southern VHF/UHF DX enthusiasts in North America. FM DXers have done particularly well, as you can see by the size of this month's FM DX reports. It's interesting to note that while the best skip came very late into the Es season, what did take place was astounding. Many TV DXers in the central regions were in on the July 17th opening, which featured widespread Es on channel 7. Needless to say, FM DXers did quite well that evening. Tropo conditions have been quite outstanding in many places--many now call this their best year ever for tropo. As this is being written, tropo is super in most of the Midwest and Northeast, and the main "season" is only just beginning in those regions. When will it all end? Not too soon, if we're lucky.

FCC TV NEWS...This column will resume in the near future, hopefully. Your new FCC TV editor is: Wayne Plunkett, 124 John Street, Weston, Ontario. There have been many major happenings in U.S. and Canadian TV recently, and we hope to keep you up to date as television broadcasting in both countries goes through a period of very rapid change.

WE NEED YOU...If you have an idea for an article for the VUD, or a cover, or whatever, we can always use your help. Especially needed are volunteers to retype material. By the way, anyone wishing to volunteer to do a column in the VUD must be able to type their own material.

CONVENTION NEWS...A report on the 1980 WTFDA Convention should appear in the October VUD. In the meantime, we urge those of you who are considering volunteering to host our 1981 gathering to act now. If you'd like to make a bid for the WTFDA '81 convention site, or need more info, write to HQ (address on the back cover).

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Deadline: 5th

MAILBOX

New Members:

Eric Cooper
Steve Elisberg
Mike Hardester
David Letterer
K. MacGregor
Curtiss Seaman
Edwin Tharp

24191 Spartan
6635 S. Dayton
574 Deer Springs Road
5320 Harbison
RR #1
6624 Lemp Ave., #1
204 N. Russell St.

Mission Viejo, CA 92691
Englewood, CO 80111
San Marcos, CA 92069
Philadelphia, PA 19124
Mill Bay, BC V0R 2P0
N. Hollywood, CA 91606
Eaton, IN 47338

Renewals:

Jim Ayers, Saul Chernos, Joe Fela, Paul Gaines, Lawrence Glass, Dave Hascall, Robert Kramer, Robert Langridge, David Legler, K. Noffsinger, John Parillo, Don Ruland, Ron Schatz, David Walcutt, Robert Williams, Ron Wing, Roger Winsor.

Rejoins:

Douglass Allen-1118 Millington Road-Schenectady, NY 12309
Mort Meehan-7682 North Star Ave.-Twentynine Palms, CA 92277
Dan Samer-2001 Cypress, Lot 1-Bay City, TX 77414
Dr. James Snow-Box 746-Darien, GA 31305
James Sofonia-4167 Holiday Road-Traverse City, MI 49684
Tracy Wood-220 S.E. 32nd Ave.-Hillsboro, OR 97123

Address Changes:

Jim Ayers-Route 8-Murfreesboro, TN 37130
Lawrence Glass-408 F St.-Eureka, CA 95501
Robert Kramer-4639 N. Albany-Chicago, IL 60625
Steve Shaffer-2112 Westpark-Whiting, IN 46394

Renewals Due in October:

Dr. R.B. Ammons, Alex Berman, Tom Bishop, John Comstock, Vernon Eaton, Robert Eddy, Phil Epstein, John Kosinski, Jr., August Miller, John Rieger, Colbert Robbins, Jr., Dr. Joel Rosenberg, W. Ryan, Arthur Schaefer, William Scully, Steven Shaffer, Robert Sowinski, John Sullivan, Mike Sweeney, Larry Van Horn, Walter Wesolowski, Jim Wixon, Dr. Richard E. Wood.

Our first new member this month is ERIC COOPER. Here's how he introduces himself, "I am 24 years old and am a DX'er primarily in the shortwave bands, but have had some experience with TV-FM DX over the past few years (both sporadic-E and tropo). I am currently a member of NASWA, and heard about WTFDA through DX publications and ANARC." Welcome aboard!

From sunny southern California comes new WTFDAer CURTISS SEAMAN. He's into PSB DX, and belongs to the Scanner Association of North America (SCAN). Gear includes a Realistic Pro-2001 and a Heathkit HW-16 for the ham bands. He's working on his Novice ham ticket now, and also plans to get a Bearcat 300 in the near future.

Finally, EDWIN THARP tells us he's most interested in TV DX, plus shortwave, BCB, FM and VLF (especially 160-190 kHz). His home town, Eaton IN, is just north of Muncie, home of the top football school in the Mid-American Conference, Ball State University.

Tidbits.....

Good to have James Sofonia back in the club! I love the name of his TV repair shop- Captain Video. He writes, "I have been very busy as the manager of this TV repair shop, but am going to get active starting by renewing. I have increased my tower at home to 136' with additional 15' mast and have seen some good DX come in! I have a Sony TV and Heath digital FM tuner for receiving equipment."

Also coming back this month is Tracy Wood. He writes, "VUD was probably the best club bulletin I have ever seen. Presently I use a Pioneer DX-434 (sic) for FM reception and stay away from TV DX. If it was not for a stay in Bolivia for studying (78-79) I would have maintained my dues." Welcome back, Tracy!

Alas, we have a third rejoin with comments this month! Mort Meehan says, "Don't know why I'm renewing as I haven't heard any skip at all this season. Last year I had several weeks of midwest skip and almost rejoined. Probably joining because I have just returned from three days at ANARC Convention some 150 miles away in Irvine CA, and the first letter I looked at in my mailbox upon returning home was your request I rejoin." In each letter to members who have left, we pose certain questions, which Mort answers: "Reason for leaving WTFDA- probably because I belong to too many clubs and while I'm interested in BCB DX, longwave DX, SWLing, FM DXing and scanning, the total cost of all clubs is high for me. Suggestions for improving WTFDA- would like to see more of the clubs combine to publish one LARGE magazine type bulletin. This would save me money, and with the larger magazine it probably would gather more members and perhaps even become a newsstand type magazine.

"Further info: FM main receivers here are both Radio Shack- the STA-78 and Clarinette 98, and I use a ten element antenna with a booster on it. Depending on direction of antenna my daily reception is from stations 100 to 250 miles away, which covers Los Angeles, Las Vegas and Phoenix, mainly. They all come in loud, but fade slowly deep so program use is sometimes not the best. Only local FM is KQYN some 8 miles away and stations like Palm Springs only 40 miles away are difficult due to mountains.

"You might say I'm a fringe-DXer in several senses. My main interest in radio is BCB DXing and FM is on the far edges. This is why I probably don't renew each time. I probably first joined WTFDA about 20 years or more ago as it had a mimeographed bulletin then.

"ANARC Convention was terrific for SWLs, as many foreign announcer-DX specialists were present from the foreign stations...Canada, New Zealand, Swiss, Belgium, etc. The entire program was thus aimed at SWLs, who were most of the audience. I don't think anyone represented WTFDA at this convention. (Don Erickson did, Mort-jz) About 175 attended, maybe more. About \$2,000 raised at HAP auction."

Now let's hear from Christopher Hanley: "Thanks to John Barber for snapping and Jim Alexander for printing the AETN slide in Photo News, 1/80 VUD. After seeing the photo, I recognized a similar, brief AETN ID slide on my screen July 10. And thanks to Rick Samford for the TVG he sent me.

"I thought folks might want to know- WTFDAer Joseph Smith was mentioned on the HAP segment of HCJB's DX Partyline, aired July 13, 1980. He's evidently one of HAP's top DXers as well.

"Finally, thanks for the new, swifter production of the VUD (July issue arrived 7/23). Not that I'm in a position to complain, otherwise. I know the people who produce the magazine (Thompson, Hogan, et al) work hard on it - I'm happy to get it whenever."

Garden State member Bill Fahber writes, "This is my first time writing to the Mailbox, since I joined only a few months ago. Having been a solo DX'er for many years, I've never studied much about the hobby until a year ago, and I've recently learned a lot of techniques through the VUD and other sources of information. It was only a year ago I learned about the FCC's principle of offsetting TV frequencies by 10 kHz to reduce interference problems. I've observed differences in interference patterns for years, but never really sought an explanation of the difference.

"I've made an interesting observation of several instances where TV stations using the same offset frequency as a local station, each one would produce its own unique pattern. The stations I observed are KTEW-2 and KMTV-3, whose offset frequencies match WMAR-2 and KYW-3.

"Although the FCC allows the stations to stray as much as 1 kHz from its offset frequency, these stations are so well matched as to produce not a series of horizontal bars, but rather a pattern of fading in and out. It looks much like the effect produced by airplane reflections except: 1. The rate remains unchanged, 2. The TV will show two pictures at once without any lines (unless a third station creeps in), 3. It continues over a long period, and 4. There is no 'ghost' as is produced by reflection. I observed the following examples:

1. Every time KTEW (2, Tulsa) comes in over WMAR (2, Baltimore), both having a +10 kHz offset, the picture pulsates 6.5 times per second, indicating only a 6.5 Hz difference in frequency (on one night this pattern existed, and all I observed was a commercial for Waterbed Palace; having this clue, I found it listed in a Tulsa phone book).

II. KMTV (3, Omaha) and KYW (3, Philadelphia) both have no offset frequency. KMTV has come in on several occasions, always producing a 4.2 Hz pulsation.

III. Other stations observed on occasions: KBTX (3, Bryan TX) over KYW produces 10 lines over the picture, indicating a difference of 600 Hz. KUSD (2, Vermillion SD) produces a 10 Hz pulsation over WMAR. KTVO (3, Ottumwa IA) produces 4 1/2 Hz pulses (can be mistaken for KMTV).

"Anyway, it appears to me that describing some of these patterns can help identify a station. So I'm going to start keeping track of these patterns. Another project I'm planning involves the buzzing sound you hear from two stations differing by 10 kHz. Ever notice the variation in pitch when you flip through the channels? I venture to guess that the combination of any two stations will cause its own particular pitch, ranging somewhere between 8 to 12 kHz. I'll let you know if I find any consistent pattern."

Next up are some comments from John Combs of Orlando, after which this particular exchange will cease: "I feel that I need to respond briefly to the comments of Mr. DuBois of Portland OR as quoted in the May VUD. First of all, I am not possessed by any "cult;" in fact, at this point in time, I am not a member of any church or organized Christian body, although I am searching for a spiritual "home." Secondly, I made it very clear in my previous comments that I am not condemning the DXing hobby in any way. I had no intention of "attacking" anyone involved in the hobby, and if Mr. DuBois read this into my comments, then I'm afraid he was mistaken. I have always resisted using the VUD as a forum to propagate my beliefs, in spite of my strong commitment to them. The only reason that I felt it necessary to bring my faith into the picture was that it was the deciding factor in my formally leaving the hobby. I felt that an honest, straightforward approach was far more appropriate than simply "disappearing" from view and never explaining why. Mr. DuBois has as much right to disagree with my beliefs as I have to believe that they are the Truth, and I am pleased that John Zondlo afforded him "equal time," so-to-speak. I hold no grudge against Mr. DuBois, and am sorry if anyone else was offended by my "ravings." To repeat: I never said that DXing is "sinful" or "wrong." There is nothing inherently wrong with the hobby. For me, however, it had become counter-productive to my faith, and I simply had to stand on some priorities. In spite of everything, I still sincerely wish all good DX and 73s...."

Remember A.H. Wiese? How could you forget, hi. Here's the latest from our West German friend: "Well, you won't believe what happened to me. To say it right now- I became TV DX editor of the only (as far as I know) European FM/TV Club; at least it's the only German club devoted to this kind of DX. Shortly after my letter to you in June I became aware that there already exists an FM/TV club here in West Germany. Sure, I immediately became a member, and found the club to have no TV DX editor. They were looking for one. And I, yes sir, decided to take this unique chance and so now I'm TV DX editor. And I really love it.

"OK, for my very first TV DX section I thought to use a short article out of VUD. I decided to take Glenn Jacobs' fine notes of receiving BBC-1 from the May issue. Translated it and it was printed in number 20 of Reflexion.

"Our member, Rijn Muntjewerff, from Holland is one of the top TV DXers here in Europe. As he sends in his logs in English I sure copy them as they are and those logs you may read and understand. He logged USA TV!

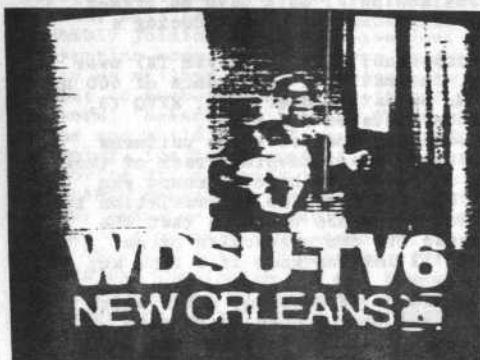
"Could you give my address in VUD? Possibly some European TV DXers would like to join us. But, attention!, we only accept active members. And our bulletin's language is German, of course. Till now we are not a club in the real meaning, as rather a "working group;" that's the reason we only count 25 members. Anybody interested should contact me: Alexander Wiese, P.O. Box 801965, 8000 Munich 80, West Germany. Will pass forward any inquiries to our directory board." We'll continue our report from A.H. in the next Mailbox.

Sorry to keep changing type faces all the time for Mailbox. My typewriter is really in bad shape, and is in the shop again.

DX has been really poor here lately, especially with the hot weather. At this writing, we've only had rain twice in the last seven weeks, and the ground is scorched.

Oklahoma City '81? A capital idea!

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



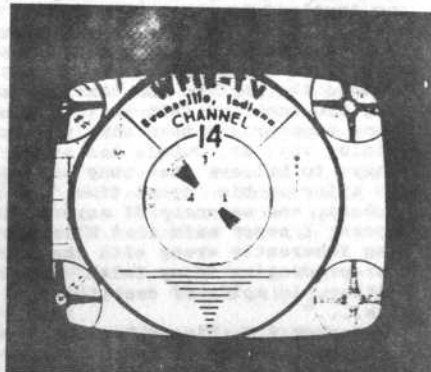
WDSU-6 New Orleans, LA
E-skip (Gaines)



KMID-2 Midland, TX
930 mile E-skip
7/29/79, 1458 CDT (Shults)



WRJA-27 Sumter, SC
375 mile tropo (Combs)



WFIE-14 Evansville, IN
420 mile tropo (Draeb)



KXON-5 Mitchell, SD
E-skip (Barber)

Contributors:

Paul Gaines,
Detroit, MI

Mary Shults,
Toulon, IL

John Combs,
Orlando, FL

Bill Draeb,
Kewaunee, WI

John Barber,
Carolina, RI

73 and good DX,

Jim

wtfda newswire...

Morrie S. Goldman WA9RAQ
5815 North Christiana Ave.
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WTFDA NEWSWIRE RETURNS! After a period of low news activity, WTFDA NEWSWIRE is back. New product announcements highlight this month's report. Much of this news is a report of my visit to the 1980 Consumer Electronic Show...the industry's big trade show to show dealers what's new for 1981. I've concentrated my report on items believed to be of greatest interest to DXers. In addition, we have other news items hot off the grapevine. Your news items are also needed. Send us word whenever you spot news of interest to TV, FM or PSB DXers.

NEW VCRs... While I haven't had an opportunity to test drive every new VCR, I did see some impressive product improvements. Perhaps most impressive is Sony's new SL-5800 (Beta format) VCR. To be available this fall, the SL-5800 boasts 14 day programmability and BetaScan on-screen fast forward--from five to twenty times normal speed. The noise bar that appeared on the screens of other fast forward systems (including earlier BetaScan) was not visible on the 5800. Of particular interest to TV-DXers, the still frame and slow motion features produced incredible picture quality and stability. Slow motion can be varied from a still frame to one third normal speed. The picture quality was so good that it reminded me of the slow motion disc recorders used by broadcast crews for instant sports replays. The cost? Probably about \$1500 list. Also on the Beta track, a new Toshiba deck offers BetaScan at 17 or 40 times normal speed. Sanyo also offered new Beta decks, including a \$695 price leader (already seen discounted to \$595)...On the VHS circuit, the whole troupe of suppliers are offering recorders with some type of on-screen fast forward and/or slow motion and freeze frame (this group is commonly being promoted as "special effects"). Some models, like the new line from RCA are noticeably slimmer. Of course all offer 6 hour capability vs. 5 hours of Beta. VHS sales now dominate the market, but it will be interesting to see the impact of the high end SL-5800 and the low end Sanyo on the total market...Most disappointing by its absence from most new VCRs is good audio response and stereo. By now, most new US VCRs were expected to be offering stereo sound (available in Japan) with full range audio response. Typical long play audio response extends to about 7000Hz--hardly high-fi.

PORTABLE VCR--SMALLER--MORE FEATURES... It's strange, but one of the most feature packed VCRs at CES is also one of the smallest. The new Akai VHS portable (remember the old Akai 1/4" B&W VCR?) offers variable speed play and freeze frame, sound dubbing and stereo sound with Dolby noise reduction. Its companion TV tuner/timer has six-event, seven-day programmability. The Akai unit weighs just 13lbs., but the lightest of the show award goes to JVC with an 11.4 lbs. unit...Looking much farther into the future, Sony has been showing a prototype all-in-one VCR and color camera. Dubbed "Video Movie," the incredibly compact (7.6x6.8x2.4") 4.4 lbs. unit is to be available around 1985 for under \$1000. Sony is showing the unit now to interest other manufacturers in developing industry format standards. This helical scan recorder uses an 8mm video tape. As it's designed to knock out the 8mm movie market, that's some coincidence(?)!

SAW STRIKES FM... In past VUDs we've talked about SAW (surface acoustic wave) i-f filters and their promise for the future. Those tiny selectivity blocks had already appeared in TV receivers from Zenith, RCA and Magnavox, and now they've struck FM. The first FM tuner with a SAW filter i-f that I've encountered was shown at CES by Panasonic. The new ST-C03 is quartz synthesized and offers 8 AM and 8FM presets, plus electronic (no-knob) up/down tuning. Specs are acceptable, though not great by DX standards. Sensitivity is 38.3dBf; s/n is 72dB and selectivity is 75dB. SAW filters hold the promise of very high selectivity at low cost. The ST-C03 is a first step... Panasonic also showed an active indoor FM antenna. The 17" long SH-F101 is resonated to frequency by a varactor diode tuning system. When used with the ST-S7 or ST-S3 tuners, this tuning is automatic. On other tuners, a manual tuning control on the antenna base is used. Don't expect it to be a DX magnet, as relative gain is -2dB... One last Panasonic new product intro of note--an AM/FM/SW portable selling for \$3800! Enough said about that!

NEW UTILITY GUIDE COVERS VHF/UHF... Steve Handler's new Radio Communications Guide is designed for all types of utility DXers and is mostly a shortwave reference guide. It does however also contain many frequency listings in the VHF and UHF range, including US and foreign military, many US government agencies, hospital and emergency frequencies, railroad and mobile phone channels and more. A list of Canadian police frequencies is also included. The 79 page comb bound 8-1/2 x 11" book is available from Handler Enterprises, Inc., PO Box 48, Deerfield, IL 60015. It's priced at \$6.95.

IT SEEMS that we're out of space already. Next month we'll have much more news, including word of a two channel video recorder, what's new in TV and autosound, and details of a new "hot" UHF tuner from Panasonic. Til then, 73, Morrie

EASTERN TV-DX

Robert Kramer
4639 N. Albany
Chicago, IL 60651

SEPTEMBER 1980

Deadline: 5th

Well, this year is sure different from last. Along with the super Es cx, some of which were highlighted last month, tropo has been the best ever. This has been due largely to the very hot temperatures throughout most of the Midwest in the month of July. This very warm weather was due to very strong high pressure, which virtually stagnated (and is still there) over the Southwestern part of the U.S., creating a vast, almost nonstop duct all over the place. Because there were so many good days, I'm not going to bother describing them here, just read on. As it is, this could be the longest Eastern TV column ever. Probably even next month will be longer.

This word from WFTDA HQ Outpost in Brazil: The llamas are getting restless. Why? Because some of you are not putting your name and address on your reports. From what I hear, if this doesn't stop they are going to pay the offenders a visit. Now would you want to be held responsible for the death and destruction that is sure to follow such llama activity? I thought not.

Martin J. Theil 12 Princeton Dr. E. Holiday, FL 33589 (EDT)

June		17 Tr	WFTV-9 FL	10 Es	WBAY-2 WI
12 Es	CKCO-2 OH	18	WCFT-33 AL	17	KDKA-2 PA
16	WDTN-2 OH	Es	XNIO-2 Mex	18	KTIV-4 IA
17	WBAY-2 WI	July		19	WDTN-2 OH

"I would like to receive some mail and write to member users of Bear-cats 250 & 210. I DX on Rembrandt rabbit ears (doesn't this cause your DX to hop around the screen?, hi ed) only using a 10" B&W Panasonic TV. TV 10's tower is 4 blocks from me and FL Power Co. is 3 miles away right in line with it, so you see what I have to put up with in the noise problem." (Martin, could you please list the time of your loggings in the future? Your line noise problem is more than likely a local problem, perhaps a neighbor's doorbell generator. 3 miles is a long distance for the power Co. to be the problem., ed.)

Tom Yingling 221 Pinewood Rd. Baltimore, MD 21222 (EDT)

June		19 Es	1945 WCIX-6 FL	20 Tr	2100 "New sat.XLTR of Spanish Internation Net. (SIN), call letters per newspaper
15 Es	2030 KATC-3 LA	Tr	2100 WSBE-36 RI		
	NTV-3 Cuba		2200 WNJU-47 NJ		
16	2030 NTV-3 Cuba		WNYS-31 NY		
	2100 KLNE-3 NE		WNYS-25 NY		
	2136 WCOO-4 MN		2210 WXNE-25 MA		
17	1800 CBYT-3 NF		2220 WEDN-53 CT	28 Es	2200 KAHD-3 KS
	1815 CJCH-4 NF		2237 WVIT-30 CT		KLNE-3 NE
	1830 KTTV-3 MO		2240 WLVI-56 MA	29	2315 KTTV-3 MO
18	1600 KTTV-3 MO		2245 WLIV-21 NY		2330 KOET-3 OK
	1838 KLNE-3 NE		WATR-20 CT	July	
	1840 KHAS-5 NE		2250 WWLP-22 MA	2 Es	2100 KATC-3 LA
	1900 WDAY-6 ND		2300 WWHT-68 NJ		KJAC-4 TX
19	1800 KXON-5 ND		W6#AI-60 NY	3 Tr	2000 WPMZ-69 PA
	1830 KNOX-4 MO	20	0030 WSMW-27 MA		2330 WSBK-38 MA
	1900 KSD-5 MO	Es	1800 KIMT-3 IA	4	2300 WSNL-67 NY
	1910 KAHD-3 KS	Tr	2100 KAZKXH-56 DC		2330 W35AB-35 PA
	1930 CBHT-3 NS		Washington		Philadelphia XLTR WXTV-41

"Antenna is a Channel-Master Quantum model-1114, used with Winegard bc-234 & TV is a Sony Trinitron kv-1214. Winegard bc-234 is a VHF preamp, for UHF I have a Blonder-Tongue GMA-ub, with a 5' dish up 50'. That's all for TV DX. When skip is in, I go to FM. Also one note, I spotted a ch. 32 testing from Wash, DC, but can't remember what date it was. The call was WMM-TV Howard University station from FM side of WHUR-FM. 73's for now, Tom."

David Austin 1800 Lexington Ave. Ashland, KY 41101 (EDT)

June		29 Tr	1000 Columbus V's Beckley V's	6 Es	1358 UnIDed-2 PBS
28 Es	2200 KCKT-2 KS 890				1558 UnIDed-4 CBS
29 Tr	0930 Dayton, Cinn. V's	July		9 Tr	0610 WKYC-3 OH 220
	WPTO-33 OH 133	1 Tr	1855 WTOL-11 OH 237		2210 WTRF-7 WV 160
	WPTD-16 OH 120	5	1822 WTOL-11 OH 237		WTOV-9 OH 170
	WIX-19 KY 107	6 Es	1130 UnIDed-2 ATV		WVIC-11 PA T
	1000 WKRF-22 OH 120		1329 CKCK-2 SK T	14	0610 WLEX-18 KY 107
			1330 CKPR-2 OH 780		WKYT-27 KY 107

EASTERN TV DX

SEPTEMBER 1980

David Austin cont'

14 Tr	0610 WIKY-32 KY 170	15 Tr	0630 WDHO-24 OH 237	16 Es	1158 UnIDed-2 PBS
	2130 WLEX-18 KY 107		WUAB-43 OH T		1200 CPCL2 or CPCL3, both ch 2 XTRs
	0610 WTVQ-36 KY 107	16	0645 WNDU-16 IN 295		1855 CHFD-4 OH 780
15	0610 WSBT-22 IN 295		WLIO-35 OH 180		1857 CHFD-4 OH 780
	0630 WKRF-22 OH 107	0700	WFMJ-21 OH 212		

"A bit of explanation is in order regarding the Es DX of 1200 on 16 July. I didn't get a positive ID but I heard a reference to 'Timmins', obviously Ontario. CPCL-6 is the only EE station in Timmins, the others being a satellite of a Sudbury station and a FF outlet, according to White's Radio Log. White's lists two CPCL satellites on Channel 2, CPCL2 Kearns, ON & CPCL3 Kapuskasing (CPCL2 is by far the most likely. They, according to the old WFTDA Station Guide, run 14 Kw, while CPCL3 runs only 90 watts, ed.) Ontario. (Harry Hayes comments on WBBR's strong signal in the July VUD reminded me of my situation. I live 1 mile W of the WKAS XTR and it plays minor havoc with my reception sometimes. WKAS-25 not only spreads itself from ch. 20 to 28, but also has harmonic on ch. 50 and another on VHF channel 11! Is there such a thing as a reverse harmonic? I called the technician at WKAS and he said it "couldn't happen". It's not an XTR. Has anybody else seen anything like this?" (The problem is probably in your TV set. Since you live such a short distance from the WKAS tower, your TV is getting much more signal than it can handle, producing a spurious signal caused by overloading. Sorry about the messed up line at the top of the comments section., ed.)

Paul Mount 471 Emerson Ave Teaneck, NJ 07666 (EDT)

June		27 Tr	0543 WFSB-3 CT	July	
27 Tr	0356 KYW-3 PA		0544 WPVI-6 PA	1 Es	1928 UnIDed-3 NF "CTV"
	in color				"Need calls & location"

"RX is family Sears Silvertone (Circa 1967) with antenna in attic that doesn't move. Usually I tuned into TV after receiving a call from Joe Pella. Eric Fader, John Kronka, Bill Alisaukas, Dave Schmidt, and MNRCC Harley Rutstein of Fort Lee get calls from Joe or me when something's up. Had a nice phone call W/WFTDA's Mike Bossen of Richmond, VA who used to live 2 blocks away, but I didn't know him. 73." (Paul, tnx for the FX, don't you know there are laws about sending material of that nature through the mails. Next time, send one with a little bit less., ed.)

Steven Sprachman 3939 Eve Dr. Seaford, NY 11783 (EDT)

July		16 Tr	2000 Harrisburg Area Philly U's	16 Tr	2000 WBBF-45 MD
15 Tr	2000 WYAH-27 VA 310		WETA-26 DC 230		2200 WGBS-49 PA 175
	WTVZ-33 VA 300		WLVT-39 PA		"Rare"
	# 133				
16	2000 Scranton, U's				"Days with trop (days with re-logs of V's from Boston, Philly, Washington, D.C. Salisbury, HDQ Eastern PA, and V's from Philly & RI) June 23,24,25,26,27. July 2,4,5,7,8, 10,11,15,16,17, & 18. Days and times with Es (stations UnIDed) July 2 (2130), 8 (2000), 10 (1930). July has been fairly good as far as UHF trop is concerned. Otherwise, things have been quiet. There is not much TV news to report. If you get a test pattern on WSNL-67 and it doesn't come in straight, they are testing the STV-They do this most of their broadcast day (or so it seems). And in an article in Newsday, the group trying to get a license for Ch 55 Riverhead hopes to have the station on sometime in 1981. Well that's it.

Richard Eckman 2328 Griffith St. Philadelphia, PA 19102 (EST/EDT)

January		29 Es	1732 WPTV-5 FL	15 Es	2042 WKRG-5 AL T
4 Es	1500 WMAB-2 MS		1753 Cuba-2		2100 WDIQ-2 AL
5	1129 KGFE-2 ND T		1800 Cuba-5	16	1930 WSSH-2 FL
	1426 KQTV-2 MO	30	1756 WPBT-2 FL	18	1657 KUSD-2 SD
	1451 KSNB-4 NE		Cuba-5		1710 KXON-5 SD
6	1227 KQTV-2 MO		1800 Cuba-2		Cuba-5
	1242 WDAF-4 MO	June			1712 KPRY-4 SD
	1256 CKCT-2 KS	14 Es	1355 WMAB-2 MS		1727 WCOO-4 MN
	1441 WBRZ-2 LA		1400 WDIQ-2 AL		1730 KTCB-2 MN
	1511 WWL-4 LA		WTVY-4 AL		KSTP-5 MN
April			1420 WKRG-5 AL		1757 WSSH-3 FL
4 Tr	1714 WMDT-47 MD	15	1526 Cuba-2		1759 KSNB-4 NE
	Salisbury		1542 WBRZ-2 LA		1817 WTVY-4 NE
May			WVL-4 LA		1830 WDIQ-2 AL
6 Tr	0900 WUNK-25 NC		KALB-5 LA		1859 Can.-5 ment.
	WITN-7 NC		1620 WCBI-4 MS		Manitoba
17 Es	1452 KEYS-2 AR		1630 KPRC-2 TX		1903 WBAY-2 WI
	1503 WNGE-2 TN		1708 WMAB-2 MS		1933 CHFD-4 ON
	1505 KARK-4 AR		1904 Cuba-4		1947 CKPR-2 ON
23	1730 WBRZ-2 LA		1915 Cuba-5		1948 CBYT-3 NF
	1830 KQTV-2 MO		1937 WPBT-2 FL		1959 CBYT-5 NF
29	1732 WPBT-2 FL		1950 WTVJ-4 FL		2100 KGFE-5 ND
	WTVJ-4 FL		2027 WCIX-6 FL		Grand Forks

EASTERN TV DX

SEPTEMBER 1980

Richard Eckman cont'

18 Es 2130 KTTV-4 IA	29 Es 2315 KARK-4 AR	10 Es 1929 WPTV-5 FL
WOI-5 IA T	30 0908 UnIDed-2 PFS	2000 WTVY-4 AL
1750 WPBT-2 FL	JULY	WDIQ-2 AL
WEDU-3 FL	6 Es 1210 KTGA-2 MN	WKRK-5 AL
1757 WTVJ-4 FL	WBAY-2 WI	2001 Cuba-4
WPTV-5 FL	1220 WDAF-4 MO	Cuba-5
1900 WESH-2 FL	1222 WCCO-4 MN	11 2E 1359 WAPA-4 PR
0915 WBRZ-2 LA	1242 KQTV-2 MO	to WORA-5 PR
2102 KETS-2 AR	10 1902 WPBT-2 FL	1746 Mayaguez
2105 WBRZ-2 LA	1904 WBRZ-2 LA	WKAQ-2 PR
2315 KTEW-2 OK	1929 WTVJ-4 FL	San Juan
KTVY-4 OK	WVL-4 LA	Es 1755 WESH-2 FL

"July 11 was the only high point of this so far pitiful Es season. For over three hours I had off/on reception of three Puerto Rican stations. WAPA-4 was by far the best received with a beautiful ID at 1600 which I got on tape. From 1600 thru at least 1700 WAPA and WORA-5 were running // first with SS dubbed "Johnny Quest" cartoon and then some other cartoons from 1630-1700. This may account for the many mentions of "cuatro y cinco" hrd on WAPA. A positive WORA ID was taped at 1700. WKAQ was in for the entire period but rarely strong enough to break through strong WCRS-2 interference. However, I was able to get several periods where SS pging surfaced, e.g. at 1745 when SS version of the "3 Stooges" was seen. Given the long duration of the opening (and high MUF) I wonder if this wasn't long single hop skip with linkage to Tr at one end or both ends. A UHF opening to coastal Virginia was noted by me up to about 1100 that morning. Distance to San Juan is just under 1600 miles from Philly."

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

June	6 Es 1401 KTVS-3 OO 1184	15 Tr 0702 WILX-10 MI 236
29 Es 2059 KTEW-2 OK 943	1403 KDLO-3 SD 846	21 Es 1029 WPBT-2 FL 1098
2100 KTVY-4 OK 1040	10 1301 WTHS-2 FL 1098	22 1305 KTEW-2 OK 943
2259 KETS-2 AR 825	2001 WESH-2 FL 902	2100 WPBT-2 FL 1098
2330 WDIQ-2 AL 815	2101 WPBT-2 FL 1098	2300 KNOP-2 NE 1066
July	14 Tr 0158 WDHO-24 OH 185	25 2300 KCKT-2 KS 1015
2 Es 2235 CKCK-2 SA 1322	17 Es 1230 WVL-4 LA 1005	2330 KETS-2 AR 825
5 2200 KCKT-2 KS 1015	1231 KATC-3 LA 1056	2331 KNOP-2 NE 1066
6 1300 KCKT-2 KS 1015	1232 WBRZ-2 LA 1090	26 2400 KLNK-3 NE 1012
1302 KQTV-2 MO 779	2114 KCKT-2 KS 1015	0858 KETS-2 AR 825
1357 WPBT-2 FL 1098	2313 KARD-3 KS 953	0900 KTES-3 LA 1005.

"In my last report I reported that I rec. KTVQ-2 MT but didn't as it was a mistake, sorry to say."

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

May	3 Es 1801 KTTV-4 IA 860	18 Es 1408 WPTV-5 FL 1145
1 Tr 1200 WDIV-4 AT	1653 KDLO-3 SD 905	Palis. Beach
4 0739 WJAN-17 OH T	4 1854 KARD-3 KS 1045	1414 WSB-2 GA T
0820 WUHF-31 NY 73	1856 KTEW-2 OK T	1416 WDRO-6 FL or
Rochester	15 1820 WBRZ-2 LA 1125	WOTV-6 GA
"New stn on"	KTES-3 LA 1100	1423 WRBL-3 GA T
5 0751 Detroit U's	KATC-3 LA 1170	1424 WVAR-3 FL 1010
22 0739 Toledo V's	16 2116 KTEW-2 OK 1015	1528 WSAV-3 GA T
24 0914 WKBE-50 MI 210	KOET-3 OK 1045	1702 KTVY-4 OK 1045
30 Es 1950 KTES-3 LA 1100	KFDX-3 TX 1230	1704 KOET-3 OK 1045
KDFW-4 TX 1185	KTVY-4 OK 1045	1727 KARD-3 KS 1045
KBTX-3 TX 1285	KOCO-5 OK 1045	1728 KOTV-6 OK 1015
Bryan	Oklahoma City	Tulsa
1955 KRAL-6 LA 1100	2132 KDFW-4 TX 1185	1730 KDFW-4 TX 1185
Shreveport	KXAS-5 TX 1215	1731 KETS-2 AR T
2031 WBRZ-2 LA 1125	KOTV-6 NE or	1757 WQWT-6 NE 870
2037 KOET-3 OK T	KAUZ-6 NE	1826 KSTP-5 MN 700
2059 KENS-5 TX 1430	KTVI-2 MO T	2018 KCKT-2 KS T
San Antonio	2149 KBTX-3 TX 1285	19 1033 WLBT-3 MS 945
2132 KATC-3 LA 1170	1228 WLBT-3 MS 945	1100 WBRZ-2 LA 1125
June	1332 KARD-3 KS 1045	1107 KALB-5 LA T
1 Es 1244 KOTA-3 SD 1195	1916 CBHT-3 NS 770	1112 WCBI-4 MS T
2 1809 KATC-3 LA 1170	2058 KDLO-3 SD T	1122 WRBL-3 GA T
1456 KOET-3 OK 1045	2127 KOTA-3 SD 1195	1539 KARD-3 KS 1045
KFDX-3 TX 1230	2156 WBRZ-2 LA 1125	KOET-3 OK 1045
3 1507 KTVY-4 OK T	2201 WVL-4 LA T	1730 KTVS-3 CO T
1538 KTEW-2 OK T	18 1357 WCHD-2 SC T	1744 FF lan.-3
1558 KTVS-3 CO 1250	1353 WEDU-3 FL 1090	20 1127 KDLO-3 SD 905

EASTERN TV DX

SEPTEMBER 1980

William R. Hepburn cont'

20 Es 1129 KPRY-4 SD 1065	20 Es 2120 KOET-3 OK 1045	23 Es 1407 CKCK-2 SA 1310
Pierre	2122 KTVY-4 OK 1045	Regina
1132 KOTA-3 SD 1195	2157 KTVY-3 MO 855	29 2253 WBRZ-3 TN T
1224 KHAS-5 NE T	2230 KXAS-5 TX T	2255 KARK-4 AR T
1302 WCCO-4 MN 705	2233 KTVB-2 OK T	2258 KOET-3 OK 1045
1410 KUSD-2 SD T	23 1056 KXJB-4 ND T	2307 KTVY-3 MO 955
2105 KTVI-2 MO 650	1399 KOTA-3 SD 1195	

Robert S. Ross Box 4373, Stn. C London, ON N5M 5J2 (EST/EDT)

April	3 Tr WJKW-8 OH 100	24 Tr 2120 WAKR-23 OH
2 Tr CBFT-78 ON 120	May	2123 WUAB-43 OH
CBLFT-68 ON 60	5 Tr WXON-20 MI 120	2125 W67AI-67 OH
WGPR-62 MI 120	WJKB-2 MI 120	2126 WVIZ-35 OH
CICO-59 ON 60	WDIV-4 MI 120	2131 WTVS-56 MI
WTVS-56 MI 120	WKYZ-7 MI 120	2139 WCRN-27 OH
WQLN-54 PA 100	CFTO-9 ON 120	29 0301 WNHM-5 MI
WKBD-50 MI 120	WVIZ-25 OH 100	0945 WBCU-57 OH
CKCO-42 ON 60	WNEM-5 MI 200	0947 WFFT-55 IN
CICO-32 ON 120	WKYC-3 OH 100	0951 WNOU-16 IN
WDHO-24 OH 150	WEXI-25 MI 130	0949 WNCN-36 IN
WXYZ-7 MI 120	WTVG-13 OH 150	0953 WPTA-21 IN
22 WUAB-43 OH 100	June	
WAKR-23 OH 100	14 Tr 0355 WTVG-13 OH	
3 WSPD-13 OH 150	Es 1455 CKCK-2 SA	

Jim Gould RR #3 Kokomo, IN 46901 (EST)

November	29 Tr 2007 WPGH-53 PA 320	29 Tr 0900-1000 Very bad over load UHF, even W/Winegard amp. The ant. with the CHAU is unuseable.
7 Tr 0741 WMAA-29 MS 620	30 2300 WENY-36 NY 490	30 2230 WPTV-24 TN 433
0747 KLMN-24 AR 580	31 1400 KY, Pitts. to Erie, good	2300 WLJT-11 TN 366
0753 KTVP-29 AR 537	1407 WBTT-64 OH	July
0810 WBMG-42 AL 490	March	1 Tr 0800 WBMG-42 AL 490
24 1130 WRBT-33 LA T	15 Tr 1630 WCCV-24 WI 190	Huntsville U's
WGNO-26 LA T	June	
WPTY-24 TN 433	25 Tr 2200 WTVQ-36 KY 190	
2010 WBRE-28 PA 545	2240 KBMA-41 MO	
2011 WVIA-44 PA T	26 0653 KTVP-29 AR 537	
2015 WUTV-29 NY 404	0700 KBMG-9 MO 458	
2017 WTAF-29 PA T	1200 KOED-11 OK 613	
2100 Ch 8 Nashville o/local WISH	2240 KHNE-29 NE 642	
2200 WPTY-24 TN 433	27 0450 KTEW-10 OK 705	
2315 WENY-36 NY 490	0507 Kansas City V's & U's	
December	0509 KNOE-8 LA 650	
26 Tr 1416 WPTY-24 TN 433	0528 KTVP-29 AR 537	
1428 WBMG-42 AL 490	0538 KATV-7 AR 520	
0800 KHIN-16 IA 540	0539 KAIT-8 AR 417	
0809 KBIN-32 IA 510	0550 KTHV-11 AR 520	
0810 KBMA-41 MO 458	0552 KODE-12 MO 515	
1400 KTSB-27 KS 510	1820 KTVP-29 AR 537	
2100 WFTQ-36 AL 405	1900 WKOH-31 KY 207	
2200 WBMG-42 AL 490	1905 KLMN-24 AR 580	
28 0110 WHMA-40 AL 482	1910 KITJ-24 LA 705	
0115 WGFT-33 AL 512	1947 KOZK-21 MO 445	
0900 WBMG-42 AL 490	2359 KGMC-34 OK 720	
0910 WIIQ-41 AL 564	28 0120 KODE-12 MO 515	
0932 WHMA-40 AL T	0122 KOAM-7 KA 518	
0800 KHIN-36 IA 473	0125 KTHV-11 AR 520	
0805 KHMG-14 IA 540	0134 KGMC-34 OK 720	
0810 KSIN-27 IA 540	0136 KTVY-36 TX 962	
0811 KVIN-21 IA 435	0144 KRIV-26 TX 910	
29 0200 W67AC-67 WI	0240 WFAA-8 TX 812	
1900 W67AL-67 OH	Dallas	
1905 W69AD-69 OH	#690	
1945 W65/-65 OH	0300 WBRZ-6 AL T	
XLTR WUOC-44	29 0950 KGMC-34 OK T	
1952 W31AA-31 OH	very strong sig from lower ON	
1954 W47AB-47 OH	to MO	
1955 W63AH-63 OH		
1957 W17AA-17 OH		

(I sort of stretched my 6 month policy on this report. I printed everything that would fit the column format, but the F2 DX, all of which was in paragraph form, thus creating a difficult problem to squeeze in, was cut. This is the last issue that I will print old reports. In the future they must be no more than 6 months old, although I am flexible, & won't necessarily count the months (or even days). But I think the August issue is a little late to be reporting DX from last November. I trust noone will have any trouble complying with this rule., ed.)

EASTERN TV DX

SEPTEMBER 1980

Don Ruland 4448 68th PL Kenosha, WI 53142 (CDT)

- June
 5 Tr 0525 WJHL-11 TN 520
 0528 WBR-10 TN 510
 WTVK-26 TN 510
 0530 WLEX-18 KY 360
 WKYT-27 KY 360
 0555 WHAS-11 KY 330
 0630 WKPT-19 TN 510
 17 Es 1730 CBHT-3 NS 1200
 1900 CKOW-2 NB 1160
 1930 WFSB-3 CT 770
 18 1700 KENW-3 NM 1010
 1730 KPRO-2 TX 980
 26 Tr 0525 WDAF-4 MO 430
 Kansas City
 #485
 0530 KODE-12 MO 520
 Joplin
 #486
 0545 KEMA-41 MO 430
 0600 KCCI-8 IA 310
 27 0530 KFVS-12 MO 370
 KMOX-4 MO 300
 July
 1 Tr 0525 WJHL-11 TN 520
 0600 WZTV-17 TN 450
 WAFP-48 AL 560
 0610 WHNT-19 AL 550
 8 2250 WPGH-53 PA 430
 WPTT-22 PA 430
 2255 CICA-19 ON 430
 CBLFT-25 ON 430
 CFMT-47 ON 430
 CITY-79 ON 430
 2300 WETA-26 DC 630
 WBPB-45 MD 630
 9 0515 WTAE-4 PA 430
 WPGH-53 PA 430
 WBPB-45 MD 630
 0545 WICZ-40 NY 620
 WSKG-46 NY 620
 0550 WIGU-12 PA 400
 WJET-24 PA 400
 0555 WHAG-25 MD 560
 WFPB-31 MD 560
 WHPB-67 MD 630
 0557 WBAL-11 MD 630
 Baltimore
 #487
 0615 WKBW-27 OH 380
 WYTV-33 OH 380
 0620 WSEE-35 PA 400
 0645 WMGC-34 NY 620
 CICO-28 ON 400
 11 0545 KFVS-12 MO 370
 KMOX-4 MO 300
 KPLR-11 MO 300
 0645 KDNL-30 MO 300
 KETC-9 MO 300
 St. Louis
 #488
 1945 WBBW-55 IL 220
 Springfield
 #489
 1945 WDRB-41 KY 330
 WKMG-68 KY 330
 WCET-48 OH 300
 WPTI-64 OH 300
 2310 WTVQ-36 KY 360
 Lexington

Chris Patrinellis
 2829 White Plains Ct.
 Springfield, IL 62704
 (CST)

January

- 5 Es 1430 WKTU-2 NY
 1445 KNID-2 TX
 6 Tr 1632 KCRG-9 IA
 14 1819 WKOW-27 WI
 18 1130 WLKY-32 KY
 1200 WNTT-34 IN
 Youngstown
 WFMJ-21 OH 524
 Youngstown
 WKBW-27 OH 524
 Youngstown
 WFGH-53 PA 571
 Pittsburgh
 WUHQ-41 MI
 Cleveland U's
 2200 WKEF-22 OH
 2204 WRTV-6 IN
 2210 WISH-8 IN
 2212 WTHI-10 IN
 2214 WTHR-13 IN
 2230 WKYT-27 KY
 19 0003 WKRC-12 OH
 0110 WCPO-9 OH

February

23 Tr 2307 WOC-6 IA

"Equipment: 40' tower,
 Winegard ant. model N/A'
 AC 8950 amp, C.M. rotor,
 19" RCA B&W."

(Chris, please send in
 current reports. Sorry
 about the way I stuck
 this in, but I misfigured
 Don Ruland's report. It
 looked as if it would
 take an entire page, so I
 didn't bother to count it.
 Obviously I was wrong.

Bob Langridge
 Box 1014
 Durant, IA 52747
 (CST/CDT)

March

29 Tr 1659 WGCY-24 WI 193
 Milwaukee
 WISC-3 WI 140
 Madison

May

29 Tr 1444 Chicago
 Rockford
 South Bend
 Peoria
 Madison
 Milwaukee
 & Mason City
 Es 1859 CKCK-2 SA 888
 Regina
 1929 CKBI-5 SA 1030
 Prince Albert
 0858 WGBH-2 MA 1000
 Boston
 0900 WLEZ-2 ME 1122
 Bangor
 0947 WMAR-2 MD 748
 Baltimore

Eastern TV DX

Bob Langridge cont'

29 Es 1034 WNEW-5 NY 1075
 New York

- June
 4 Tr 2304 Dayton U's
 Gr Rapids U's
 Lexington U's
 Detroit U's
 2355 WYTV-33 OH 524
 Youngstown
 WFMJ-21 OH 524
 Youngstown
 WKBW-27 OH 524
 Youngstown
 WFGH-53 PA 571
 Pittsburgh
 WUHQ-41 MI
 Cleveland U's
 5 0050 WVIZ-25 OH 481
 Cleveland
 0113 WJET-24 PA 564
 Erie
 WSEE-35 PA 564
 Erie
 0121 WITI-6 WI 193
 Milwaukee
 WGN-9 IL 170
 Chicago
 WTTW-11 IL 170
 Chicago
 0132 WISN-12 WI 193
 Milwaukee
 0135 WRTV-6 IN 280
 Indianapolis
 WTMJ-4 WI 193
 Milwaukee
 0143 WIS-7 IL 170
 Chicago
 0157 WMAQ-5 IL 170
 Chicago
 WREX-13 IL
 0203 WLUK-11 WI 254
 Greenbay
 9 0445 WMOX-4 MO 210
 St. Louis
 0203 KSDK-5 MO 210
 St. Louis
 0206 WTVI-2 MO 210
 0230 WNTC-27 MO
 0244 WQWT-6 NE 300
 Omaha
 0323 WBBM-2 IL 170
 Chicago
 12 0057 KEYG-12 MN 244
 Mankato
 Es 1231 KPRC-2 TX
 16 1255 CBFT-2 FQ 1075
 Montreal

September 1980

- 16 Es 1429 KOAI-2 AZ 1180
 Flagstaff
 1930 WCAK-3 VT 890
 Burlington
 2200 KGEB-4 TX 1122
 Harlingen
 18 1629 WSTM-3 NY 748
 Syracuse
 1700 WPTZ-5 NY 748
 Plattsburgh
 1828 WABI-5 ME 1122
 Bangor
 (MUF 104.1)
 19 1259 KPRC-2 TX
 1459 WWAY-3 NC
 1512 WCBD-2 SC
 1533 KXEP-2 CH 1075
 Cd. Juarez
 1657 KGEB-4 TX
 Tr 1959 KCMO-5 MO 255
 Kansas City
 WDAF-4 MO 255
 Kansas City
 20 Es 0859 WGBH-2 MA
 0959 WCAK-3 VT
 1019 WCVB-5 MA 1000
 Boston
 1028 WTVH-5 NY 748
 Syracuse
 1132 WBE-4 MA 1000
 Boston
 2210 WLEZ-2 ME
 1259 WLEZ-2 ME
 26 Tr 2216 WTVQ-36 KY 420
 Lexington
 2255 WTHI-10 IN 235
 Terre Haute
 2321 KOLR-10 MO 327
 Springfield
 2330 WPTV-24 TN 451
 Memphis
 27 0000 KYTV-3 MO 327
 Springfield
 0045 K56AF-56 IA 232
 Clarinda
 XLTR KMTV-3
 K58AE-58 IA 232
 Clarinda
 XLTR WQWT-6
 K66AK-60 IA 232
 Clarinda
 XLTR KETV-7
 K66AL-66 IA 232
 Clarinda
 XLTR WHO-13
 0929 KOZK-21 MO
 1030 KCMC-34 OK 564
 Oklahoma City
 1040 KOKH-25 OK 561
 Oklahoma City
 2201 WKMA-35 KY 351
 Madisonville
 WKGB-53 KY 400
 Bowling Green
 KYMG-26 ME 300
 Omaha
 KUON-12 NE 344
 Lincoln
 0721 KHNE-29 NE 433
 Hastings
 July
 8 Tr 0125 WISH-8 IN 280
 Indianapolis
 11 0048 W68AA-68 IL 220
 Danville
 XLTR WAND-17
 0051 KHBC-9 MO 255
 Kansas City
 0055 KOLN-10 NE 344
 Lincoln
 0100 KETV-7 NE 300
 Omaha
 0135 KPLO-6 SD 514
 Reliance
 0148 WTHI-10 IN
 0150 KSFY-13 SD 330
 Sioux Falls
 0209 WIBW-13 KA 281
 Topeka
 0210 WSAU-7 WI 234
 Wausau
 WTVV-7 IN 306
 Evansville
 WAFP-48 AL
 K74CZ-74 MN 150
 Winona
 XLTR KTTG-10
 14 0108 K56AF-56 IA 232
 Pittsburg
 0155 WBRG-6 AL 608
 Birmingham
 21 Es 2029 KID-3 ID
 22 0045 KTHO-2 WY 778
 Casper
 0058 KTVQ-2 MT
 0102 KTVM-6 MT 1100
 Butte

"Equipment: 9' Penncrest B&W,
 Finco P-5, Homemade VHF ant.,
 Winegard AC-4990, Winegard
 DA-815 Distribution Amp. All

antennas are at 55'. 73's and good DX to all. Bob."
 Ramulus Krunch 4639 N. Albany Chicago, IL 60625 (312)-463-4334 (CDT)

- July
 10 Tr 2315 KIIN-12 IA 203
 11 0015 WGBM-10 IL
 KHQA-7 MO
 0032 KDNL-30 MO 265
 KCBJ-17 MO 327
 0035 KRCG-13 MO 335
 0103 KPLR-11 MO 265
 KFVS-12 MO 332
 11 Tr 0147 KMOX-4 MO 265
 0521 WHAS-11 KY 277
 0529 KFVS-12 MO 332
 0704 KDNL-30 MO 265
 0807 WUCM-19 MI
 WKON-20 MI 240
 0811 KYIN-24 IA 307
 0833 WHLA-31 WI 230
 11 Tr 0852 KIIN-12 IA 203
 KRIN-32 IA 240
 0923 WKOW-19 WI 230
 0927 KTTG-10 MN 292
 "Local Grade"
 W/locals on 9 &
 11"
 0955 WVUT-22 IN
 WTTU-30 IN

EASTERN TV DX

Robert Kramer cont'

11 Tr 0955 **WBHT**-25 IN 267
 WFIE-14 IN 267
 1002 **WBKO**-13 KY 335
 1007 **WTVW**-7 IN 267
 1037 **WTVQ**-36 KY 314
 Lexington
 1920 **WBKO**-13 KY 335
 1930 **WKPC**-15 KY 277
 1934 **WDRB**-41 KY 277
 1935 **WKMJ**-68 KY 277
 WKLY-32 KY 277
 WHAS-11 KY 277
 2000 **WTHI**-10 IN
 2102 **WKSQ**-29 KY 373
 2135 **WHWC**-28 WI 310
 2232 **KDNL**-30 MO 265
 2252 **WUSI**-16 IL 219
 2325 **WKYT**-27 KY 314
 2335 **WLEX**-18 KY 314
 2355 **WTVQ**-36 KY 314
 2359 **WBHT**-25 IN 267
 WKPT-19 TN T
 12 0014 **WFIE**-14 IN 267
 0017 **KRIN**-32 KY 277
 0027 **WDRB**-41 KY 277
 0047 **WKFP**-22 OH 237
 0103 **WHAS**-11 KY 277
 "Local Grade"
 0104 **KDIN**-11 IA 315
 0108 **KIIN**-12 IA 202
 0127 **WHO**-13 IA 315
 0135 **WAAY**-31 AL 503
 0150 **WKRC**-12 OH 250
 0155 **WZTV**-17 TN 402
 Nashville
 "Snow Free"
 0233 **WHIO**-7 OH 237
 0425 **WKPT**-19 TN 468
 WTBS-17 GA 598
 0429 **WAXN**-46 GA 598
 Atlanta
 0505 **WLWT**-5 OH 250
 1845 **WHRM**-20 WI 220
 KYIN-24 IA 307
 KRIN-32 IA 240
 1930 **KDNL**-30 MO 265
 1934 **WHLA**-31 WI 230
 WKOW-19 WI 230
 WKBT-8 WI 230
 1938 **WKGB**-53 KY 335
 1939 **WDRB**-41 KY 277
 1946 **WFIE**-14 IN 267
 WUSI-16 IL 219
 2033 **WHWC**-28 WI 310
 2058 **KHIN**-36 IA 398
 2141 **WKMJ**-68 KY 277
 2148 **KDNL**-30 MO 265
 "Local Grade"
 WSIU-8 IL 302
 WVUT-22 IN
 2212 **WYUR**-48 AL 503
 WCET-48 OH 250
 WHNT-19 AL 503
 2218 **WBMG**-42 AL 585
 Birmingham
 2332 **KOZK**-21 MO 440
 Springfield
 2336 **KYFC**-50 MO 424
 2342 **WAAY**-31 AL 503
 KBMA-41 MO 424

SEPTEMBER 1980

13 Tr 2342 **WLKY**-32 KY 277
 2347 **WTVQ**-36 KY 314
 2358 **K33AA**-33 IA 258
 0018 **WOWL**-15 AL 494
 14 0021 **WHAS**-11 KY 277
 KPLR-11 MO 265
 0023 **KFVS**-12 MO 332
 0043 **WKYT**-27 KY 314
 0145 **WAFF**-48 AL 503
 "Local Grade"
 0245 **KMOX**-4 MO 265
 0410 **WKFP**-22 OH 237
 WTVQ-36 KY 314
 0440 **WHIO**-7 OH 237
 WKPT-19 TN 468
 WLEX-18 KY 314
 WKRC-12 OH 250
 0442 **WKYT**-27 KY 314
 WXYZ-7 MI 240
 WTVG-13 OH 220
 WKYT-27 KY 314
 0448 **WAFF**-48 AL 503
 0505 **WMUL**-33 WV 370
 Huntington
 WDHO-24 OH 220
 WEYI-25 MI 222
 0508 **WUAB**-43 OH 293
 0510 **KFVS**-12 MO 332
 0514 **WXIX**-19 KY 255
 0516 **WTVS**-56 MI 240
 0519 **WLKY**-32 KY 277
 "Local Grade"
 0521 **WAAY**-31 AL 503
 0532 **WBMG**-42 AL 585
 0533 **KMTC**-27 MO 440
 Springfield
 0538 **WHNT**-19 AL 503
 0549 **KAIT**-8 AR 455
 Jonesboro
 0602 **WKPC**-15 KY 277
 0603 **WDRB**-41 KY 277
 "Local Grade"
 0619 **WGTV**-29 MI 231
 0624 **KYIN**-24 IA 307
 KTIN-21 IA 335
 0651 **WPTY**-24 TN 492
 0659 **WPBO**-42 OH 330
 0715 **WBHT**-25 IN 267
 1445 **WCET**-48 OH 250
 2114 **WTVQ**-36 KY 314
 2118 **WHNT**-19 AL 503
 2230 **KDNL**-30 MO 265
 15 0420 **WKRC**-12 OH 250
 "Local Grade"
 WJHL-11 TN 479
 "Local Grade"
 WKPT-19 TN 468
 WAKR-23 OH 307
 "Local Grade"
 WDHO-24 OH 280
 "Local Grade"
 WXYZ-7 MI 240
 "Local Grade"
 WTVQ-36 KY 314
 0431 **WDIV**-4 MI 240
 CKOB-13 ON 390
 0440 **WTRF**-7 WV 388
 0442 **CKGN**-29 ON 260
 WHIO-7 OH 237
 WPGH-53 PA 418
 WUAB-43 OH 293

15 Tr 0444 **WIIC**-11 PA 418
 WTVN-6 OH 289
 0445 **WJAN**-17 OH 340
 WGR-62 MI 240
 0446 **WHAS**-11 KY 277
 WLEX-18 KY 314
 WKBN-27 KY 347
 WKYT-27 KY 314
 0453 **WJKW**-8 OH 320
 WHAS-11 KY 277
 0456 **CKOO3**-42 ON 260
 0458 **WXIX**-19 KY 255
 WFSJ-52 OH 303
 Newark
 0501 **WTOL**-11 OH 220
 "Local Grade"
 0516 **WLKY**-32 KY 277
 WTAP-15 WV 369
 Parkersburg
 0530 **WKED**-50 MI 240
 "Local Grade"
 0540 **WPMJ**-21 OH 347
 WYTV-33 OH 347
 Youngstown
 0542 **WFPB**-31 MD 544
 Hagerstown
 0605 **W63AH**-63 OH 200
 WBGU-57 OH 200
 W39AA-39 IN 145
 0611 **WKPC**-15 KY 277
 WPTD-16 OH 237
 0642 **WKFP**-22 OH 237
 0652 **CIOO**-59 ON 287
 1841 **WXON**-19 WI 230
 WHLA-31 WI 230
 2056 **WUCM**-19 MI
 WXON-20 MI 240
 "Local Grade"
 WCMU-14 MI 200
 2114 **WGTE**-30 OH 220
 2200 **WEYI**-25 MI 222
 0421 **WTVQ**-36 KY 314
 0445 **WLEX**-18 KY 314
 16 0605 **WKPC**-15 KY 277
 WTVQ-36 KY 314
 Es 1601 **KRIS**-6 TX
 1630 **KIII**-3 TX
 1700 **KBTX**-3 TX
 1737 **KAMR**-4 TX
 1800 **CHSJ1**-6 NS
 Bon Accord
 1801 **KDFW**-4 TX
 1830 **WPVI**-6 PA
 Philadelphia
 1900 **KMOL**-4 TX
 18 Tr 2316 **KDNL**-30 MO 265
 19 0113 **KPLR**-11 MO 265
 2043 **WXON**-20 MI 280
 2325 **WKFP**-22 OH 237
 "Local Grade"
 WPTD-16 OH 237
 WUUB-14 OH
 Oxford
 2336 **WXIX**-19 KY 255
 KDNL-30 MO 265
 2343 **WDRB**-41 KY 277
 WTVQ-36 KY 314
 WLKY-32 KY 277
 2345 **WFIE**-14 IN 267

EASTERN TV DX

Robert Kramer cont'

19 Tr 2358 **WLIO**-35 OH 200
 20 0007 **WBTI**-64 OH 250
 0009 **WPGH**-53 PA 418
 0013 **WSPW**-52 OH 303
 0015 **WPCB**-40 PA 418
 0016 **WUAB**-43 OH 293
 0043 **WPTT**-22 PA 418
 0105 **WAKR**-23 OH 307
 0121 **WIIC**-11 PA 418
 0127 **WTOL**-11 OH 220
 0134 **WKRC**-12 OH 250
 0200 **WJAN**-17 OH 340
 0315 **WXYZ**-7 MI 240
 0343 **CKGN**-29 ON 260
 0526 **WDIV**-4 MI 240
 28 0715 **KYIN**-24 IA 307
 KTIN-21 IA 335
 0740 **WXOW**-19 WI 230
 WHLA-31 WI 230
 KHIN-36 IA 398
 WHWC-28 WI 310
 1902 **KDNL**-30 MO 265
 2234 **KRIN**-32 IA 240
 2301 **KRGG**-13 MO 335
 2305 **WHO**-13 IA 315
 29 0008 **WHNT**-19 AL 503
 WAAV-31 AL 503
 WAFF-48 AL 503
 WAFB-41 OH 200
 0014 **WLKY**-32 KY 277
 0215 **KPLR**-11 MO 265
 0423 **WTBS**-17 GA T
 WKRC-12 OH 250
 WKFP-22 OH 237
 0431 **WTVQ**-36 KY 314
 WDHO-24 OH 220
 0529 **WAFF**-48 AL 503
 WAAV-31 AL 503
 KFVS-12 MO 332
 0536 **WHNT**-19 AL 503
 WLKY-32 KY 277
 30 0310 **WKFP**-22 OH 237
 0420 **WDHO**-24 OH 220
 WKRC-12 OH 250
 0538 **WXIX**-19 KY 255
 0542 **WFIE**-14 IN 267
 0548 **WBHT**-25 IN 267
 1828 **WCMU**-14 MI 200
 30 Tr 1828 **WKMA**-35 KY 320
 WUSI-16 IL 219
 WVUT-22 IN
 1837 **WKGB**-53 KY 335
 1844 **WBHT**-25 IN 267
 1857 **WFIE**-14 IN 267
 WOLW-15 AL 494
 1932 **WBKO**-13 KY 335
 1946 **WBGU**-57 OH 200
 2043 **WKFP**-22 OH 237
 31 0237 **KPLR**-11 MO 265
 WKRC-12 OH 250
 0247 **KMOX**-4 MO 265
 0645 **WAFF**-48 AL 503
 2220 **WKPC**-15 KY 277
 2300 **WXIX**-19 KY 255
 August
 1 Tr 0132 **WLKY**-32 KY 277
 0447 **WCFO**-9 OH 250
 WKRC-12 OH 250
 0458 **WLMT**-5 OH 250
 0710 **WGPR**-62 MI 240
 WTVS-56 MI 240
 WKED-50 MI 240
 CKOO3-42 ON 260
 WGTU-29 MI 231
 WDHO-24 OH 220
 WXON-20 MI 240
 WUCM-19 MI
 2241 **WUSI**-16 IL 219
 2 0354 **WKRC**-12 OH 250
 KPLR-11 MO 265
 0402 **KMOX**-4 MO 265
 0556 **KFVS**-12 MO 332
 0602 **WFIE**-14 IN 267
 3 2225 **KDNL**-30 MO 265
 5 2044 **WBHW**-55 IL
 "Very Rare"
 2045 **KDNL**-30 MO 265
 2049 **WUCM**-19 MI
 2200 **WGTE**-30 OH 220
 WBGU-57 OH 200
 WGPR-62 MI 240
 2217 **WDHO**-24 OH 240
 2233 **WCMU**-14 MI 200
 2304 **WXON**-20 MI 240
 WTVG-13 OH 220

SEPTEMBER 1980

5 Tr 2304 **CBLFT3**-48 ON 287
 2321 **CIOO**-59 ON 287
 2324 **WKBD**-50 MI 240
 6 0017 **CKOO3**-42 ON 260
 0020 **WLKY**-32 KY 277
 0024 **WQLN**-54 PA 398
 0415 **CKGN**-29 ON 260
 CKGN-29 ON 260
 0420 **WKFP**-22 OH 237
 CKOO3-42 ON 260
 0425 **WDHO**-24 OH 220
 "Local Grade"
 WJET-24 PA 398
 "Local Grade"
 0432 **WHIO**-7 OH 237
 0446 **WEYI**-25 MI 222
 0457 **WXIX**-19 KY 255
 WUAB-43 OH 293
 0508 **WSEE**-35 PA 398
 0515 **KFVS**-12 MO 332
 0545 **WUTV**-29 NY 460
 0720 **W39AA**-39 IN 145
 WTVS-56 MI 240
 WBGU-57 OH 200
 7 0244 **WKFP**-22 OH 237
 WAKR-23 OH 307
 8 0542 **WLKY**-32 KY 277
 WTVQ-36 KY 314
 0701 **KDNL**-30 MO 265

"That traps up my best TV DX month ever, I can't remember seeing WKRC, KFVS, the Detroit U's, the Huntsvilles etc. in so well & often. It may seem like I am reporting some stuff a lot, but the Cincinnati area, Detroit U's & St. Louis stations are only reported when they are in real well. I finally got all the photos from July done in mid Aug. Photo-News is going to get a whole bunch of real good DX, much of it local grade, or at least snow free. The best photo has to be the WBMG-42, crystal clear call letters, channel number & location (also my most distant tropo photo at 585 miles). Also good were WAFB-48, WHNT-19, WJHL-11, WIIC-11, WPCB-40 & mucho closer stuff. The DX of 8/5 produced WBHW-55 Springfield, IL for only the second time ever (to give you an idea of how bad they get out, WICS-20 was well beyond local grade & WBHW was buried in snow & no sound). They must have dug a 400' hole & put a 100' tower in it when WBHW was built.

TV DX Report from Glenn Hauser, University Radio WUOT, Knoxville TN 37916 USA (times CST)

High-band sporadic E is the big news here, as the MUF reached at least 186 MHz on July 17. Although I no longer look for every little trace of Es on ch. 2, fairly regular evening checks showed a so-so, or below-average Es season until, on July 17 at 1800 CST (GMT -6, the zone which ought to be observed here) I turned on WSJK-2 to watch Bill Moyers and found a hashy mix of DX signals on ch. 2-5, and soon the FM band proved to be wide open too, up to 107.9. That, of course, means it's time to start monitoring ch. 7 and 8 for signs of Es.

During that first hour, FM stations from North Dakota, Colorado, Wisconsin, Nebraska, Minnesota and Manitoba were logged, as I kept my eyes on the so-far blank ch. 7 and 8 screens from that direction.

At 1856 in faded a signal on ch. 7 in characteristic Es fashion, with a Maxwell House ad in a non-US/-net show I couldn't identify, but since all three commercial US networks were carrying the Republican convention and there are no US indies on 7, that made Canada a very strong possibility, and CKY-TV Winnipeg the most likely, as Winnipeg FMs were in. This signal faded out after a few seconds, returned around 1900 but not, of course, while an ID was given. Further appearances were at 1907, 1911 and 1914 with a kiddy film involving actors in weird animal costumes. Rather slapstick, again appearing at 1942.

Confirming this was worth a bit of phone expense. I discovered that CKY-TV has a program schedule tape at 204-775-6604, which said the 1830 program was 'Littlest Hobo', and the Thursday Movie, at 1900 was "H. R. Puffinstuff", one with which I am only vaguely familiar, but seems to fit the bill. A few days later I had a chance to call when Real People would answer, and they were glad to check their log for the Maxwell House ad, which was run by CKY-TV at the time I reported--and not on the CTV net as a whole tho it was inserted at certain other affiliates such as CKCK and CFQC, which I think rules out any other ch. 7 possibility.

But this wasn't the only highband Es station during this opening. I had an NBC on ch. 7 at 1915, 1940. A minute later, 7 was gone but an NBC was in on ch. 8 and again at 1949, 1953; 8 was at its strongest yet at 1954, staying in to 1959, fading for ID (if any). NBC-7 in again at 1952; at 2008 both 8 and a bit of 7, but then the MUF started to fall down to 98 MHz or so. At 2052 I did have a CBS in and out briefly on ch. 8, but it was probably not Es as the MUF seemed too low at that time. I'll never be certain, but the most likely identities of the NBC stations are KCHT-7 Alexandria Minnesota and WDAZ-8 Devil's Lake, North Dakota or KUMV-8 Williston ND. Anyhow, I have three photos of Reagan off these stations!

During the first sesquihour of this opening it was pointless to try to ID anything on the lowband, and at 1916 I noticed light QRM on local WATE-6, which is just a few miles away in the same direction! By 2029 things had cooled off a bit and I logged KOAA-5 Pueblo CO on rabbit ears which are better capable of pulling DX past WATE-6 than the big antenna. At 2048 KPRV-4 Pierre SD ran its call letters in the upper left of an ID slide. At 2104, a CBS on 4, IDing at 2105 as KXJB, Valley City ND. 2115, KDHL-3 Duluth MN; 2116 KXJB-4 Eyewitness News. 2134 KDHL-3 with Superior ad in news.

Now to TVDX on other dates since my previous report: the first winter Es opening I caught was on Jan. 6 at 1035, unID ch. 2 west, 1050 CBS-3, 1059 KAMR-4 Amarillo TX ID; I was away at 1230-1720 but when I returned, 2, 3, 4 and 5 were hash and the MUF was above 92 MHz. At 1737 on 3, Texas map with news. 1859, KAMR-4 ID again. Feb. 12, 1745 unID-2, 1759 KENW-3 Portales NM ID. No more TVDX logged until May 27, 0705 Today on 2; 0723 K-2 Morning Report (KITWO WY) and 0730 Good Morning America; at 0727 another ch. 2 with a newscaster I thought I had seen on KNXT-2, which would be double-hop, but would KNXT-2 have news at 6:27 am PDT? 0728, Kansas weather map on 2, so KCKT Great Bend. May 29, 2202 Deadwood super on news, so KOTA-3 likely; 2217 Casper weather on 2, so KITWO. 2224, George McGovern ad so KPRV-4 likely; 2237, unID-4 with Tonight Show one-hour delayed. 2302, KNOP North Platte NE video ID along with KITWO Casper WY audio ID both on ch. 2. May 30, 1750, Es on 2, 3, 4. 1752, News 4 logo at left, items about Chadron etc., so KDUH. 1759, KTWS-3 Sterling CO ID. 1830 PBS-3 from W, likely KENW. 1945, continuous lower-right super 'Tornado Warning 2', NBC, 1947 mention Muskogee County, so KTEW Tulsa OK. 2009 Linda Cavanaugh with NewsCenter 4 update, and ID for KTVY Oklahoma City. 2016, NBC-3 with super 'Tornado Warning Tillman County in Oklahoma', so KFDX-3 Wichita Falls TX. 2029 Portales Teleauction streamer at bottom, so KENW-3. 2030, KFDX-3 with God Bless America ID. 2130, tentatively KMID-2 ID; 2131 CBS-4.

June: June 1, 1130, TVC (Cuba) slide on 3; various QRM on 2 and 4. 1158 ABC-3 from WSW, and KIII likely; 1158 TV Cubana slide on 4; mostly gone at 1220; 1300 film same offset as WRBC. June 15, 1529 KMOL-4 San Antonio TX ID; 1659 KARD-3 Wichita KS ID 1720, movie with Spanish subtitles on 4; ABC on 3; 1800 TVC (Cuba) ID on 3. June 16, 1929 KPRV-4 ID; 1959 KOTA-3 ID Rapid City SD, NBC. 2009, KPRV-4 Pierre SD ID. At 2015 on 3, phone 339-3907 in ad mentioning Sarp (S) County. 2030, KTWS-3 Sterling CO ID mentioning NE Colorado, etc. 2101 KTWS-3 ID. 2114, Amarillo/Dalhart/Perryton ad, so KAMR-4. 2129 KENW-3 ID with program summary. June 17, 1757 CBC-3 from NE; 1758 Maritime Kitchens ad, 1759 CBHT-3 ID, Special Report; 1800 NBC-2, 20 offset to WSJK; 1813 CBC-4 parallel 3. June 18, 1759, was getting Quebec on FM, but on TV, KDHL-3 Duluth MN at 1659 ID. 1730, CJBT ID slide on 3; I'm pretty sure of that but I suppose it's CJBR-TV Rimouski PQ; 1759 CBWT-3 Winnipeg Man ID June 19, 1759 on 3. CTV and ATV slides, record offer with NS address; now, would this have to be CJOX Nfld?

WESTERN TV-DX

September 1980

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

Deadline: 5th

A rather light column this month. However, that is not an accurate reflection of the quantity and quality of DX that has occurred.

Pat Dyer sent a note from Texas saying that he isn't able to send a report due to a backlog in his record keeping. He says that June and July were the best months respectively for FM Es since 1977. He also reports being active on 2 meters and mentions good Es there on July 17th.

That came as no surprise to me, as on that date I logged high band Es for the first time in 17 years of TV DX'ing.

New	New Mode	Tentative - t	Unidentified - unid
Randy Miltier, 1068 Fairview Ave., San Jose, CA 95125 PLT			
Equipment: 1975 21" Motorola, small Winegard VHF-UHF on rotor at 50'			
July 1980			
20 Es 1430 KWGN	2 CO 950	22 Es 1900 unid 2,3	
12 Es 1445 unid 2	1620 KOA 4 CO 950	25 Es 2000-2200 unids 2,3	
17 Es 1320 unid 2,3	1400-1530 unids 3-6	26 Es 2030 CFAC 2 AB 1075	
18 Es 0900 unid 2-6	22 Es 0630 KMID 2 TX 1225	2015-2100 unid 3,4	
1520 KLNE 3 NE 1260	0830 CFAC 2 AB 1075		
2200 unid 2	0957 KXLY 4 WA 800		
20 Es 1400 KLNE 3 NE 1260	1100 KLNE 3 NE 1260		

A lot of unid'ed stations in July which is very frustrating. I'm still shopping for a good antenna, so maybe that will help. Camera problems plagued me in July as twice I had film come back blank! It seems the film take-up gear didn't do its job...However, operator error may fall in here somewhere as I'm using a new camera. I would be interested in hearing from any TV DX'er in central California. I know you're out there, because I saw you listed in the WTFDA roster. Drop a line or give a call at (408) 265-5532. Veri letter in from KDIX-2 ND on a follow up. Good DX.

Fred McCormack, Des Lacs, ND 58733

CDF

July 1980			
26 Es 0458 KUTV 2 UT 740	0742 KPIX 5 CA 1275	26 Es 1259 KXLY 4 WA 715	
0517 KPHO 5 AZ 1165	0745 KTVK 3 AZ 1165	1830 KTVK 3 AZ 1165	
(MUF 102.5-AZ @0530)	0758 KVOA 4 AZ 1195	(MUF 103.5-CH @1852)	
(MUF 107.1- @0554)	(MUF 107.9 @ 0800)	1859 KENW 3 NW 995	
0600 KVVU 5 NV 1085	0847 KOBI 5 OR 1115	1900 KDBC 4 TX 1165	
0615 KVBC 3 NV 1085	(MUF 107.3-FL @0920)	(MUF 94.9-TX @ 1928)	
0638 unid 6 se	(MUF 107.3-TX @1022)	2000 KVBC 3 NV 1085	
0645 WSIL 3 IL 975	(MUF 100.7-OR @1127)	(MUF 102.9-CA @2051)	
0653 WSM 4 TN 1120	1158 KOHO 4 WA 960	2359 KBCI 2 ID 760	
0656 Las Vegas 3,5	1159 KVDO 3 OR 1045	2330 KAID 4 ID 765	
(MUF 102.5 @ 0730)	1245 CHEK 6 BC 986	27 Es 0927 KMID 2 TX 1115	
	(MUF 106.5-WA @1246)	1050 KENW 3 NW 995	

A very nice day of Es on the 26th with a very early start and multiple clouds bringing sdb from all around the country. Many of the above were running TP's and I am happy to report they all use ID'ed patterns.

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

CDF

July 1980			
18 Es (MUF 95.5 @ 0916)	19 Es 2202 unid 2 se		
Au 1840 hash on 2,3,5	21 Es 1900 unid 2 se NBC		
17 Es 1954 WITV 7 SC 1320	19 Es 0830 KETS 2 AR 890	22 Es 2116 unids 2-4 se	
(also @ 2049 & 2051)	1029 KMID 2 TX 1060	2204 WSB 2 GA 1115	
(MUF 107.9 @ 2159)	1130 KOAI 2 AZ 1120	2209 WRBC 3 TN 1005	
13 Es 0857 KENS 5 TX 1220	1159 KVBC 3 TX 1125		
0900 KFDX 3 TX 900			

Highlight was high band sdb. No ID was seen, however it was verified by a phone call to SC. South Carolina FM's were good at the time, so when I saw it was PBS with a film of Africa I immediately called KITV. The technician confirmed the program and told me they were going to run Six Lives of Henry VIII at 2000. This was the programming seen @ 2049 and 2051. I have since acquired program guides for the other ch 7 PBS's and no others had those programs.

Just back from convention in NY. Thanks, Bob, for a good time.

(continued on page 39)

NORTHERN FM-DX

Ralph Strobel, editor
2510 E. McGalliard Rd.
Muncie, Indiana 47303
(317) 288-5815
Deadline: the 10th

NORTHERN FM DX

SEPTEMBER 1980

Andy Bolin - 709 Lincoln Ave. - Charleston, IL 61920

SEPTEMBER 1980

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.

MOST AGREE 1980 BEST DX YEAR YET.

Neil G. Zank - 623 Lyncrest Dr. - Lincoln, NE 68510

Equipment: Pioneer SX-750, Archer 10 element Yagi with rotor at 45 feet.

Excellent conditions experienced here in the last two weeks, so I think a report is in order. The following are all new here.

7/5 tr	7/11 tr
WIBI 91.1 IL Carlinville	WDZQ 95.1 IL Peoria
KCMQ 96.7 MO Columbia	7/12 tr
7/6 tr	WJFY 106.7 MN Brainerd
WVUB 91.1 IN Vincennes	WBNQ 101.5 IL Bloomington
WSSR 91.9 IL Springfield	KMFL 102.9 MO Marshall
WDBR 103.7 IL Springfield	7/13 tr
7/6 Es	WZZC 101.3 IL East Moline
WSEN 92.1 NY Baldwinsville	WDDJ 96.9 KY Paducah
7/11 tr	WAUR 107.9 IL Aurora
WGBU 89.9 IL Peoria	CJOM 88.7 ON Windsor
WGLO 95.3 IL Pekin	KMOX 103.3 MO St. Louis
(Time - CDT)	WBEZ 91.5 IL Chicago

I guess that with this kind of tropo I don't need Es, hi. Indiana and Kentucky are new states for me, bringing total now to 31 states. Some of these stations reported, and all taped for library. QSLs have been slow since 6/1. Sincerely, Neil Zank

Bob Zent - 1835 Fruit St. - Huntington, IN 46750

Equipment: Heath AR-1515, with Channel Master 4408 at 40 feet.

7/6 tr	7/11 tr
2235 KRMA 93.9 IA Iowa City, r	2122 WXXQ 98.5 IL Freeport, r
2300 WAAG 94.9 IL Galesburg	250
2314 KRVR 106.5 IA Davenport, m	275
7/7 tr	2117 KGRC 92.9 MO Hannibal, r
0630 WMPR 88.1 SC Sumter,	2152 KLUM 88.9 MO Jefferson City, r
(Morning Edition, local wx forecast)	2214 KRES 104.7 MO Moberly
2146 KUMR 88.5 MO Rolla	2243 KOPN 89.5 MO Columbia
7/8 tr	2250 KSCF 97.1 MO Florissant, m
0038 WVPW 88.9 WV Buckhannon	2300 KTJJ 98.5 MO Farmington
0041 WVPB 91.7 WV Beckley	2317 KJEZ 95.5 MO Poplar Bluff,
7/10 tr	o/WFMS, "Z-95"
2329 WSLI 88.7 IL Edwardsville, j	7/14 tr
2350 WVEN 101.9 IL Springfield	0650 WEZI 105.9 TN Memphis, (Other
2359 WVKK 106.5 IL Granite City	stations in that area in; no time to DX)
7/11 tr	2128 WSMC 90.7 TN Collegedale
0004 WIL 92.3 MO St. Louis, k, o/WGTC	2200 WXBQ 96.9 TN Bristol, k
0010 KSHE 94.7 MO Crestwood-St. Louis	2230 WKQB 105.9 TN Nashville,
0013 KPFO 99.1 MO Clayton, c	(signal very strong)
0030 WGEN 105.1 IL Quincy	305 2234 WKDF 103.3 TN Nashville, r
0619 KBIA 91.3 MO Columbia	325 o/WXTZ, ment. KDF rodeo riding contest
0648 KSUI 91.7 IA Iowa City	395 7/15 tr
2110 KSAV 96.1 IA Clinton, g	0600 WUTC 88.1 TN Chattanooga
	(relaying WUOT programs in mono)

This has been one of the most interesting periods for DX that I have experienced. The signal strength of some of these were unbelievably strong, often topping semi-locals in same direction. Guess that shows what 100 kilowatts can do against local class B's.

73s, Bob

WOW! When you add up all the afternoon Es in May w/all the Es in June & July, you end up w/what I would call the best Es year yet! 6/2 Tr. @0830 KNOE LA (555); WJFR MS (530); WKYV MS (520); KMBQ LA (590) til 1000 fizzle. @1200 Es w/lots of ME til 1240 but MUF only WRUM. 1420 Es w/the new XHAAA 93.1 Reynosa Tam \$ EZ (1060) & lots of Monterrey strong to 1520. 1740 to 2000 Okla. City very strong on tr (590) w/KKNG, KOFM, 96X. 6/3 Es 0900 to 1200 3 solid hours of nothing but WMCU & WMTI both Miami. 6/5 Tr. 0300 xWLRG is "K-92" WXLK 92.3 w/nx/ID/rock Roanoke VA. 6/6 Tr. 0230 KOFM OK (590). 6/15 Tr. KOFM & KKNG 0000 to 0135 rain, both OKC. Es 1630 to 1900 lots of S. FL. @1840 WDNA 88.9 mono/MOR Miami; 1900 WMNF w/mono/SS 88.5 Tampa FL. Quickly moved to Houston/San Antonio/Corpus Christi. @2000 2Es (double hop) XHRA "Estereo sol-musica con alma" w/auto english rock/spots/complete ID as 89.1 but it was off frequency at 89.7 - Guadaluajara Jal (aprox. 1590). 6/16 Es 1130 to 1245 XHAAA & Monterrey to 99.7. 6/17 Tr after 0000 WXBQ VA. 6/18 Es 1000 to 1220 many relogs from FL. @1053 WFIT \$ jazz/P 89.5 Melbourne FL (890); 1100 WRNB \$G 89.3 Boynton Beach FL (1005); 1115 WCIF \$G 106.3 Melbourne FL; 1123 WAWV "the new wave - 105" w/"treasure coast K" 105.5 \$ Vero Beach FL (930). MT & SA up @1215. @1230 KZIN "EZ-96/k-96" w/mono/EZ/MOR 96.3 Shelby MT (1340); 1245 KCUA AT (1320). Up again 1600 to 1700 w/CO Springs very strong and to the top. 1642 KWDE \$K 96.1 Montrose CO (1055). 1700 to 2115 some ME/NH/VT & NY but mostly unIDable CBC's. 1720 CIGM \$ 92.7 Sudbury ON (610); 1800 "CBC Quebec City" 104.7 Quebec PQ (995); 1813 WMTS "More of your favorite mx" \$/EZ 96.1 Presque Isle ME (1130). 6/19 Es 0930 to 1100 NYC. @0948 WLRB \$ 92.7 Rehoboth Beach DE (705). 6/20 Es 0830 to 1330 u/down from MA/ME/VT/NH & the unID CBC's. @1220 WALZ \$ 95.3 Machias ME (1025). 6/24 Es 1425 to 1450 XHAAA & XHSRO. 7/10 Es 1850 to 2000 S. FL & Keys strong & to the top. @2300 Tr. KLOH MN (520). 7/11 Tr. 0000 to ? most Minneapolis/St. Paul (465). Later @1400 more Tr w/KYNN and other such Omaha stuff all afternoon (440). 7/12 Tr. 0000 Atlanta very strong. Finally @0017 10 watt WSSD \$ 88.1 o/mono WUIC also 88.1 and both are in Chicago. (aprox. 170) 0030 WHPK \$ jazz/rock 88.3 Chicago also 10 watts. 0100 10 watt WRRG w/mono/T40 88.9 River Grove IL (155); 0200 100 watt KALA w/mono jazz 88.5 Davenport IA (200). Later KELO SD (525) strong all day. @2040 KNEN \$ rock 94.7 Norfolk NE (495); 2200 KTRX w/mono/s/off 93.5 Tarkio MO (385); 2215 KNIM \$ rock 99.3 Maryville MO (370); 2230 KZEV \$ P 103.1 Clear Lake IA (370); 2301 KNCY \$/EZ 97.7 Nebraska City NE (415); 2345 KNAZ \$/K Hiawatha KS on 105.9 (390); 2348 KBCC \$/K 95.5 & KWIT 90.3 @2353 both Sioux City IA (475); 2359 KVDB \$ EZ s/off 94.3 Sioux Center IA (485). 7/13 (Tr cont.) 0001 KRNK 98.9 Bruce Elving NE (585); 0010 KUSD \$ s/off 89.7 Vermillion SD (515); 0032 KHAT 106.3 NE (465); 0100 KDLO \$K SD (590) then mostly fizzled. Later @2359 WRLO w/\$/rock/24 hours on 105.3 from 104.9 Antigo WI. 7/14 Tr. 0015 WUIC 10 watts Chicago. 0130 to 0500 WAMU, WFPW & WKYS strong and all DC (590). After 0500 WHPW & WVPN both WV strong. 7/15 Tr. 0005 WVPN & WWCW (430) both WV. 7/16 Es 1145 to 1200 WSOX 94.9 MA (950). I'll pick up in my next report w/the beyond sensational Es of 7/17 that sat top of band for more than 12 hours, and netted 25 newies to slam the totals to 1977. A.B.

Steve Shaffer - 2112 Westpark - Whiting, IN 46394

Equipment: Panasonic RF-2200, Stereo Probe 9, (SP used after 7/6), at 25 feet approx.

7/9 tr	0053 CFCA 105.3 ON Kitchener, CKKW/CFCA ID's, TC, sports scores, rm
	0057 CILQ 107.1 ON Toronto, ments of "Home Grown" album week, "Q-107," pr
	0112 CJOM 88.7 ON Windsor, PSA "message for CJOM," rm
	0122 CKGL 96.7 ON Kitchener, "Good Country CKGL" jingle, k
	0221 WWWW 106.7 MI Detroit, "Crusin thru another 1/2 hr. of commercial free mx," "FM-106" "W-4"
	0250 WWSW 107.1 MI Saginaw, "3 WS" ID's, s
	0308 WIBA 101.5 WI Madison, 291-6666 given as request line, pr
7/13 tr	0332 KRNQ 102.5 IA Des Moines, "Q-102" ID's, r
7/14 tr	0022 KRES 104.7 MO Moberly, "KRES beautiful country Shannon Show," k
	0030 WRLO 105.3 WI Antigo, "105-FM, the new mx station, WRLO," PSA, rm
	0111 KGRS 107.3 IA Burlington, KGRS ID, rm
	0141 KCMB 105.7 IA Waterloo, United Furniture Sales spot, "KCMB FM-105+"
	0147 KLFM 104.1 IA Ames, "Wherever you are tonight we want to be your FM," rm
	0158 KQCR 102.9 IA Cedar Rapids, "This is the most mx in the city of five seasons, KQCR, Cedar Rapids," r
	0203 KMJM 107.7 MO St. Louis, "KMJM St. Louis, Magic-108," s
	0228 KFMH 99.7 IA Muscatine, taking ph. calls for DXers @319-263-0828 collect, pr
	0243 WMC 99.7 TN Memphis, "FM-100 menas music," Scott Jackson, jock, r
	0320 KHAK 98.1 IA Cedar Rapids, "K-Hawk," k

+ Continued +

7/17 Es 1619 KITY 92.9 TX San Antonio, "92-9 FM," 102^o, ID, rm
 1730 KBAT 93.3 TX Midland, local nx, motor safety PSA, "\$-93 KBAT," k
 1735 KYYK 94.1 NM Humble City, station promo, rm
 1750 KINT 97.5 TX El Paso, "The concert station, KINT," pr
 1813 CHOM 97.7 PQ Montreal, Lake Placid, NY spot, Richard dj, pr
 1818 WMYS 98.1 MA New Bedford-Fall River, "This is SE New England's mx station WMYS," into wx, rm
 1823 WROR 98.5 MA Boston, "Chance of thunder storms in Boston...WROR," r
 1825 WBRE 98.5 PA Wilkes-Barre, "WBRE news time 7:25 in Wilkes-Barre."
 1827 CIEL 98.5 PQ Longueuil-St. Lambert, local pop mx, FF ID.
 1952 KDBH 97.7 LA Natchitoches, ID, into k
 2028 KYND 92.5 TX Pasadena-Houston, "Great place to relax, KYND," m
 2038 KELT 94.5 TX Harlingen, local spots, k
 2040 KWJS 94.9 TX Arlington, "KWJS, looking @20 mins. before 9," spots, g
 2044 KCWM 95.1 TX Victoria, "You're listening to the new sound of FM-95 in the TX crossroads," rm
 2055 KMFM 96.1 TX San Antonio, "It's 5 mins. before 9 & you're w/KMFM, SAT, c
 2058 WOAI 97.3 TX San Antonio, "The Doobie Bros. here @WOAI-FM," r
 2125 KHYS 98.5 TX Port Arthur, "Kiss-98, KHYS," s
 7/20 tr 0124 WKKS 106.7 PA Beaver Falls, "\$-107, the mx station, WKKS, Kiss-106," rm
 0215 WZZP 106.5 OH Cleveland, "FM-106, WZZP," baseball scores, r
 0310 WZEE 104.1 WI Madison, "Z-104" ID's, r, (rare here; gotten only because WLBC decided to go off for the night).
 0333 WKCQ 98.1 MI Saginaw, "KCQ," wx, rm

All stations new. This season seems to be fair for Es but good for the somewhat off season tropes. Never would've expected to get tropes from TN & PA. I've just seriously gotten into FM earlier this year when I got the RF-2200. My main interest is TV DX, but will definitely be getting involved in FM, other than just the passing interest it was a few years back. If you're wondering how my totals grew so fast, it was partly because of the E's & tropo openings, but also because I finally decided to log all the locals and strong semi-locals, which boosted it up by about 30 or 35. That Stereo Probe sure works! Totals now: 192 heard, 16 states & 2 provinces. '73's, Steve

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

DX from Prosit, MN. All times are Central Standard. New underlined. Heath AJ-15 used, (my Sony ST-5130 was stolen during a cabin break-in; a thousand curses on the thief!) 5-element antenna in attic.

7/3 tr		7/7 tr	
0000 WYRQ	92.1 MN Little Falls	1130 WIBA	101.5 WI Madison, p
7/4 tr		1135 WBNG	101.5 IL Bloomington, r, "FM-101"
0051 WRLO	105.3 WI Antigo, r	7/8 tr	
0100 KRNA	93.9 IA Iowa City, r	2010 WZUU	95.7 WI Milwaukee, r
0100 KQDS	94.9 MN Duluth, hard r, ex-KAOH	7/9 tr	
7/5 tr		0910 KCJB	97.1 ND Minot
1830 WBSM	101.7 WI Hayward	7/9 Es	
7/6 tr		1030 WCRH	90.5 MD Williamsport, promos
0930 WQFM	93.3 WI Milwaukee, r	1041 WPGC	95.5 MD Morningside, r
1257 WBKV	92.5 WI West Bend	1046 WLPL	92.3 MD Baltimore, r
1315 WDUZ	98.5 WI Green Bay, m	1055 WAPL	97.7 DE Milford, k, "Waffle"
7/6 Es		1100 WBJC	91.5 MD Baltimore
1139 WXLK	92.3 VA Roanoke, "K-92"	1110 WDSD	94.7 DE Dover
1145 WEQR	96.9 NC Goldsboro	1200 WMMR	93.3 PA Philadelphia
1148 WRQR	94.3 NC Farmville, r, "Q-94"	1203 WIFI	92.5 PA Philadelphia, "Y-Fi-92"
1200 WVPV	88.9 WV Buckhannon, show tunes	1210 WFLN	95.7 PA Philadelphia, c phone 215-625-1450
1200 WPRV	88.9 SC Rock Hill	1215 WDAC	94.5 PA Lancaster, g
1255 WSMC	90.7 TN Collegedale, c	7/11 tr	
1301 WDEF	92.3 TN Chattanooga	1600 CKWG	103.1 MB Winnipeg
7/7 tr		7/13 tr	
0900 WNBI	98.3 WI Park Falls, r	1425 WAAG	94.9 IL Galesburg, k
1030 WUEC	89.7 WI Eau Claire, r	1431 WXLP	96.9 IL Moline, r, "97-X"
1031 WVCY	107.7 WI Milwaukee, g	1432 KTJJ	98.5 MO Farmington, "98+" Cardinals BB
1045 WAPL	105.7 WI Appleton, r	1439 KNJY	97.7 IA Clinton, ex-KLNQ?
1115 WHAD	90.7 WI Delafield	1445 WVEN	101.9 IL Springfield, ABC sports
1115 WPNE	89.3 WI Green Bay	1500 WSSR	91.9 IL Springfield
1125 WCOV	97.1 WI Sparta		
1128 WOOD	105.7 MI Grand Rapids, m		

+ Continued +

DX from Bloomington, MN location. Equipment: Heath AJ-15 & AR-15. Also used Audiovox C-520 car radio during Es opening which was in process during a 30 hour power outage following a severe wind storm. As usual, times are CST with new underlined.

7/17 Es		7/17 Es	
1700 WFLN	95.7 PA Philadelphia	1716 WPST	97.5 NJ Trenton
1700 WHUR	96.3 DC Washington	1725 WMZQ	98.7 DC Washington
1701 WLEV	96.1 PA Easton	1730 WWDB	96.5 PA Philadelphia
1705 WEXM	107.5 VA Exmore	1745 WFOG	92.9 VA Norfolk
1706 WKHI	99.9 MD Ocean City	1757 WFLS	93.3 VA Fredericksburg, + SCA
1714 WKXK	96.1 PA Pittsburgh	1800 WMVA	96.3 VA Martinsburg
1715 WFGC	95.5 MD Morningside	1814 WITN	93.3 NC Washington, r

The above logged in car during power failure. At this point, wife forced me to eat. When we got home, power on and Es still up, so:

1941 WGMB	97.7 SC Georgetown, r	2008 WAIM	101.1 SC Anderson, r
1950 WRIX	103.1 SC Honea Path, Braves BB	2012 WOLC	102.5 MD Princess Anne, g
1951 WKRA	105.9 VA Woodbridge	2021 WTVK	107.7 TN Knoxville, k
1955 WYSH	104.9 TN Clinton, Reds BB	2032 WJCL	96.5 GA Savannah, m
1959 WMDM	97.7 MD Lexington Park	2045 WBYU	95.7 LA New Orleans, m
2000 WAGT	105.3 SC Gafney	2101 WACG	90.7 GA Augusta

A couple of follow up items. The 91.5 question mark of mine during the Es opening of 5/29 turned out to be XHJC 91.5 in Mexicali, B.C. Tape was translated by one of the club members, and sent them a letter. Received verification from them. 20,000 watts power. "Musicali FM and Formula Melodica" are slogans appearing on letterhead. Also had a confirmation of programming and commercial transcribed and sent to another station. Nice letter stating they were amazed at my reception on 6/18 at 1212 was received from 104.5 KCIV OR The Dailies. I can add them to my log (I didn't list the reception of them in my June report).

Dave Brunfield - 2505 Kimberly Lane - Muncie, IN 47304

Equipment: 2270 Marantz receiver w/winegard antenna and rotor at 40 feet.

6/23 Es		7/7 tr	
1198 KRNN	95.9 SD Rapid City	0138 WRLO	105.3 WI Antigo 380
6/25 tr		0210 WZZC	101.3 IL East Moline 280
0958 WHPH	88.5 IL Flossmoor	7/13 tr	
6/26 tr		2330 KHAK	98.1 IA Cedar Rapids 350
1000 WDLH	89.3 IL East Moline	7/14 tr	
1219 KCCK	88.3 IA Cedar Rapids	350 0000 KFMH	99.7 IA Muscatine 325
1230 KEBA	93.9 IA Iowa City	350 0056 WOLM	89.3 MN Northfield 500
1259 WXXQ	98.5 IL Freeport	275 0101 KFMH	92.9 IA Dubuque 325
2300 KANU	91.5 KS Lawrence	540 0102 WORT	89.7 WI Madison 280
2315 WSIE	88.7 IL Edwardsville	280 0130 WFMR	96.5 WI Milwaukee 230
2320 WIBW	97.3 KS Topeka	550 0158 WEGW	103.7 WI Wauwatosa 240
6/27 tr		0159 WYFR	103.5 IL Chicago 165
0006 KCKN	94.1 KS Kansas City	525 0215 KFMW	107.9 IA Waterloo 400
0119 KOPN	89.5 MO Columbia	400 0230 WNUW	99.1 WI Milwaukee 230
2251 KADI	96.3 MO St. Louis	310 0245 WKHQ	105.9 MI Charlevoix 330
2303 WSMI	106.1 IL Litchfield	250 0245 KRES	104.7 MO Moberly 390
2315 KJFF	106.9 MO Jefferson City	400 0317 WLVE	94.9 WI Baraboo-Madison 300
2334 WMRV	101.1 IL East St. Louis	300 0439 WYAN	95.9 OH Upper Sandusky 110
2338 KNJM	107.7 MO St. Louis	310 0440 WMAA	92.1 WI Sun Prairie 280
6/28 tr		7/17 Es	
0000 KLUW	88.9 MO Jefferson City	400 1926 KWLW	93.9 TX San Angelo 1100
0003 KOSU	91.7 OK Stillwater	720 1926 KESS	93.9 TX Fort Worth 860
0023 KTXR	101.5 MO Springfield	500 1927 KKAJ	95.7 OK Ardmore 1000
0100 KXXY	96.1 OK Oklahoma City	780 1929 KSUC	88.3 TX Keene 890
0145 KWTO	98.7 MO Springfield	500 1940 KSCS	96.3 TX Fort Worth 860
0209 KSYN	92.5 MO Joplin	560 1952 KIXS	93.3 TX Kileen 1000
6/30 tr		2015 KBAT	93.3 TX Midland 1140
2329 WPHB	92.9 WI Tomah	375 2025 KSTU	88.5 TX Denton 860
2338 WCCO	101.9 MN Minneapolis-St. Paul	460 2035 KXAT	88.1 TX Lubbock 1070
2349 KHXR	97.5 MN Rochester	7/20 tr	
7/1 tr		0049 WVIC	88.1 IL Chicago, 10w 165
0022 KRWS	101.9 IA Waterloo	7/29 tr	
0047 KTCF	101.5 IA Cedar Rapids	380 0030 KWHI	90.9 IA Cedar Falls 415
0108 KQCR	102.9 IA Cedar Rapids	380 0135 WQVC	104.5 WI Muskegon 220
0124 WKTR	104.1 TN Jackson	400 0205 WZEH	100.9 IL Alton 300
0151 WZOK	97.5 IL Rockford	250 0209 WCBN	88.3 MI Ann Arbor, 10w 150
0153 WLUM	102.1 WI Milwaukee	230 All new. Total: 581 with 119 Ed. band.	23

Roger Winsor - P. O. Box 536 - Portage, IN 46368
RX: Kenwood KT 6005, hand held TV antenna perched on shelf.

Excellent tropo during stagnant high pressure during heat wave. We just had a good rain, so might make CX get better. Es was in from NE to TX favoring Houston.

- 7/10 tr 2300 WZEN 100.3 IL Alton, "Z-100" w/rock, wx for St. Louis.
7/11 tr 0705 WRMS 94.3 IL Beardstown, local nx o/WCLL, very strong to St. Louis
0710 KSD 93.7 MO St. Louis, ex-KCFM, w/"KS-94" mis-ID's, only on hr.
w/legal ID. In for 4 days straight!
2245 WUOL 90.5 KY Louisville, ment. CL in promo, big band mx
2320 WCLL 94.3 IL Chillicothe, "Super CLL, \$-94 in the valley rock"
7/12 tr 0800 WSOF 89.9 KY Madisonville, ID, then gospel for two days
0810 WKDQ 99.4 KY Henderson, o/WEFM local w/rock, "KDQ" ID
0815 WKOA 100.3 KY Hopkinsville, "K-100" jingle thru WLOO local, rock
0823 WKTG 93.9 KY Madisonville, "94-KTG" thru WLAK local w/rock
0830 WAKQ 101.1 KY Russellville, "KQ-101" thru WKQX l&c
0845 WKQK 105.9 TN Nashville, "Rock-106," local ads o/WXFM
7/13 tr 2310 KRNA 93.9 IA Iowa City, "Rock of E IA KRNA, YL, jingle easy o/WLAK
2320 KJEZ 95.5 MO Poplar Bluff, nulled WMET, local ad, a real shocker,
my furthest of the opening that nite.
7/14 tr 0000 KLUM 88.9 MO Jefferson City, "Nostalgia-89," soul
0004 KOPN 89.5 MO Columbia, after blues show, o/WNIU
7/15 tr 0015 WAMZ 97.5 KY Louisville, Mut nx, wx, k
0050 WAIF 88.3 OH Cincinnati, shocker 961-8900 # asking for donations
0109 WHPW 89.9 WV Huntington, net nx ending, group s/off ment. each
station by frequency.
0109 WVPN 88.5 WV Charleston, caught during // s/off
0830 WQTY 93.5 IN Linton, m, nice ID, This is WQTY, "cuty" in Linton, IN
7/17 Es 1815 WSHU 91.1 CT Fairfield, whilst mobile to the rx w/rock, ment.
calls several times, 1000w
1817 WLVB 93.7 CT Hartford, SS ment.
1845 WPLM 99.1 MA Plymouth, w/ad for Boston Globe, ment. NE
1900 WMCM 93.5 ME Rockland, Boston Sox net ID, ex-WRCK-FM
1902 KLEJ 93.7 TX Austin, mixed w/WLVB ment.
1940 KQUE 102.9 TX Houston, ID, m
1943 KIKK 95.7 TX Houston, k thru WMET, KIKK jingle
1945 KZFM 95.5 TX Corpus Christi, thru WMET call letters
1948 WTAW 92.1 TX College Station, ment. local ancts.
1956 KODA 99.1 Houston, w/ID, m, local ads
2003 KTSU 90.9 Houston, w/pwr incr. ID, then soul/boogie
2015 KIXV 95.3 Brady, "K-95" only one of several mixed, then opening
gone after I got back from visiting friends.

Others heard: WEKU 88.9 heard s/off 3 days in a row. Consistant south duct to St. Louis every station except KSLH. WIL thru WYCA. KSHB, "the radio station" thru WRCK, KADI thru WBEM w/rock, KEZK 102.5 l&c, KMOX 103.3 for 3 days. WWWW 106.5 w/rock, KMJM 107.7 "Magic 108-FM." WMC 99.7 the only Memphis in.
Just took trip thru WI. WAHC 96.7 Oshkosh is "C-97," WRST 90.3 same was playing album rock 1700 and later, WYUR 95.9 Ripon, "Your radio station," m/auto. Both repeaters on 105.5 in Rhinelander/Wausau are on. WRLO 105.3 now here w/100kw 24 hr. \$ rock, Antigo, WI. ex-104.9. WAPL 105.7 Appleton, WI 100kw much improved signal in move, heard in Madison going home. WOWN 99.3 Shawano has terrible signal, only about 10 miles from XR. WGBW 91.5 Green Bay has pj, alternative radio. Total: 848 in 33 states, 31 new stations, 19 by tropo, 12 by Es.

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

Equipment: GE Superadio w/whip, Concord CR-260 Stereo w/BIC FM-8 Beam Box.

DX in a word: "lousy," with Es into FM only on 6/18, 7/1, 7/16, & 7/17, thus far and today is 7/21. A great coastal trop opening on Sat. 7/19 was welcomed with open antennae. An intro: I'm 21, a member of WFFDA for three years, and as you read this, I'm attending the U. of PA Law School. I picked up the Superadio in January, and recommend it highly. The only problem is keeping the antenna screw tight enough, as it loosens with constant swiveling. The whip beats the hell out of the Beam Box for directionality and gain, and you can't beat the radio's sound for a mono portable. It was a bargain at a discounted \$56. A July 4th weekend trip upstate found WDLC 96.7 - NY inaudible at 30 miles. Between their lack of signal and a mountain next door to the station, it's no wonder I can't hear them at home (60 miles). An even closer unheard is WPMN -103.1 (50 mi.), which was heard upstate so it does exist. In other news, the pirate "NINE-FM" 91.9 or 91.7, also known as "\$stereo-9 FM" (they really do have \$!) is still around, with a great sounding signal, weekend am's.

+ Continued +

- 8/20/79 tr 0045 WDWV 101.1 PA Philadelphia, WCBS off
8/25, 8/26, 8/29, 9/12, 9/15, 9/16, 9/22 am's
"Nine" 91.7, 91.9, 92.1 (In \$ on 9/22)
disappeared for the winter.
9/10 tr 0043 WBRU 95.5 RI Providence, WPLJ off
0048 WPGC 95.5 MD Morningside
9/11 tr 0104 WPGC 95.5 MD w/WPLJ off again.
(Note: NY'ers WPLJ-95.5 & WCBS-101.1 were both off every am 9/8 - 9/13!! and WYNY-97.1 was off 9/11 - 9/13, all for antenna maintenance).
0147 WLAN 96.9 PA Lancaster, to 0200 s/off
9/12 tr 0108 WLAN 96.9 PA Lancaster, to 0202 s/off
2255 WDSB 94.7 DE Dover
2305 WNEB 94.5 NY Buffalo, 0058 9/13 s/off
2309 WFSI 107.9 MD Annapolis, thru local
9/13 tr 0103 WADV 106.5 NY Buffalo
0120 WPHD 103.3 NY Buffalo
0125 WRFY 102.5 PA Reading, o/unID (WBEN?)
0137 WASH 97.1 DC Washington, WYNY off
0138 WHCU 97.3 NY Utica
0146 CJQR 97.7 ON St. Catharines
0205 WGRQ 96.9 NY Buffalo, o/WLAN
0210 WROW 95.5 NY Albany
0214 WDAC 94.5 PA Lancaster, local-like
0230 WGBH 89.7 MA Boston
0240 CJBC-17
95.5 ON Belleville, tent, FF
0250 CHSC 105.7 ON St. Catharines, trace?
0312 WGBI 101.3 PA Scranton, rare path
0323 WDDC 101.1 DC Washington, o/WDVR
0338 WHP 97.3 PA Harrisburg
0407 WPGC 95.5 MD Morningside (Buffalo & Canada mostly gone by 0330)
1245 WGTB 91.9 MD Takoma Park, c
1922 WAAF 107.3 MA Worcester
2349 WGAN 102.9 ME Portland
9/14 tr 0030 WCOZ 94.5 MA Boston
9/25 tr 2258 WAMC 90.3 NY Albany, thru local
2306 WLVB 93.7 CT Hartford
2312 WQGN 105.5 CT Groton, ex-WSUB
2320 WLOM 104.7 MA Orleans
9/26 tr 0058 WRPI 91.5 NY Troy
0103 WPFW 89.3 DC Washington
10/19 tr 1930 WACQ 102.1 MA Springfield
10/21 tr 2142 WAQA 103.1 MD Grasonville, "Super-Q-103"
11/6 GW 1600 WTRT 101.5 NJ Trenton, ex-WBJH, now WKXW
1/26/80 GW 1200 WKJY 98.3 NY Hempstead, ex-WIOK
2/9 GW 1300 WUUU 107.1 NJ Long Branch, ex-WRLB
3/17 tr 0120 WKKK 107.9 MA Boston, "Kiss-108"
4/2 tr 0410 Phil 98.9, 93.3, 102.1, 106.1, etc
4/4 tr 0220 WOKQ 97.5 NH Dover

73's & DX, Eric

- 4/27 GW (EDT) 0307 NINE 91.9 NY NY, loops south (Jamaica-Rockaways area), \$
5/25 tr 0159 WJZZ 100.1 NJ Manahawkin (QTH chg)
5/29 tr 2100 WKXW 101.5 NJ Trenton, ex-WBJH, ex-WTRT, "Kicks-101"
2212 WOLC 102.5 MD Princess Anne
2230 WKHI 99.1 MD Ocean City
2248 WSNJ 107.7 NJ Bridgeton, rare
2300 WAQA 103.1 MD Grasonville
5/30 tr 0032 WNAV 99.1 MD Annapolis
0100 WSLT 106.3 NJ Ocean City
0130 WDAQ 98.3 CT Danbury, ex-WLAD
0132 WPMZ 100.7 PA Allentown, "FM-100+"
0210 WBJC? 91.5 MD Baltimore, opera
6/14 tr 0055 Mass: WAQY 102.1, Bostons 89.7, 94.5
0120 NINE 91.8 NY NYC
6/15 GW 0120 NINE 91.7 NY NYC, tape of 6/14 show
6/18 Es 1818 KQAA 94.9 SD Aberdeen
1824 KSTP 94.5 MN St. Paul
1840 KDSU 91.9 ND Fargo
1856 WSCD 92.9 MN Duluth
1912 CJOZ 92.1 NF Bonavista, "OZ-FM-net."
1922 KQDS 94.9 MN Duluth, ex-KAOK "Q-95," "The Q"
1928 KAXE 91.7 MN Grand Rapids
1933 CHIQ 94.3 MB Winnipeg, "Q-94"
1935 MUF plummeted to below ch. 6.
6/19 tr 2205 WNNN 101.7 NJ Canton
2207 WESR 103.3 VA Tasley? or Onancock?
2310 WLKW 101.5 RI Providence
2310 WHJY 94.1 RI WPLM - 99.1 MA
6/26 tr 1920 Incredibly strong Boston tropo.
7/1 Es 1958 CBNM 90.3 NF Marystown
7/16 Es 1820 CJOZ 92.1 NF Bonavista
1825 CHOZ 93.9 NF St. John's, // 92.1
1840 CJOZ 92.1 played recorded ID'S of CFOS-FM-98.5 Stephenville (ex-CFOQ?) and CIOZ-FM-96.3 Fortune (ex-Marys-town), both stations on the "OZ-FM network Nfld's only rock."
7/17 Es 1925 KKEZ 94.5 IA Ft. Dodge
1940 KDCR 91.3 IA Sioux Center
2059 KRSW 91.7 MN Worthington-Marshall
2100 KSUI 91.7 IA Iowa City
2105 Had to leave, KDCR - 91.3 still in. unID's from earlier: 90.1 probably Ames, IA & 94.9 probably Des Moines
7/19 tr 1525 Home early from foggy beach, knew coastal tropo would be up and it was!
1530 WSBH 95.3 NY Southampton
1532 WSOX 94.9 MA West Yarmouth
1539 WQRC 99.9 MA Barnstable, thru local
1545 WCIB 101.9 MA Falmouth, QRMing local WPIX, but not quite audible.
1553 WKZE 104.7 MA Orleans, ex-WLOM KZ-104
1637 WMY5 98.1 MA New Bedford, "\$-98"

+ + + + +

Fred McCormack - Des Lacs, ND 58733

Equipment: Heath AR-1500, Winegard CH-6065, CDR rotor

Table of radio frequencies and call signs for Fred McCormack's station. Columns include call sign, frequency, location, and power. Includes stations like KFIM, KZZP, KNPR, etc.

DX from 909 12th St. N. - Fargo, ND 58102

Equipment: Heath AJ-1600, Winegard CH-7078, Alliance rotor

Table of radio frequencies and call signs for Fred McCormack's station. Columns include call sign, frequency, location, and power. Includes stations like WBBQ, WDDM, WESL, etc.

+ Continued +

Table of radio frequencies and call signs for Fred McCormack's station. Columns include call sign, frequency, location, and power. Includes stations like WBBQ, WNCN, WKTT, etc.

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

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

Table of radio frequencies and call signs for Fred McCormack's station. Columns include call sign, frequency, location, and power. Includes stations like KESS, KSUC, KTCU, etc.

+ Continued +

NORTHERN FM DX

7/13 tr
2200 WLVE 94.9 WI Baraboo-Madison
2333 KHAK 98.1 IA Cedar Rapids
7/14 tr
0005 KFMH 99.7 IA Muscatine
0237 WMT 96.5 IA Cedar Rapids
0330 WAPL 105.7 WI Appleton, o/WTLC
0340 WEZI 105.9 TN Memphis
0430 WKHQ 105.9 MI Charlevoix
0510 WGLL 91.1 MI Houghton
0700 WDJQ 92.5 OH Alliance, o/WMHE
2000 WKDF 103.3 TN Nashville, o/WXTZ
7/15 tr
0000 WMOt 89.5 TN Murfreesboro, s/off
0030 WEBQ 99.9 IL Harrisburg, o/WTHI
0100 KHKE 89.5 IA Cedar Falls, s/off
(last heard in 1972 on 88.1)
0112 WVPN 88.5 WV Charleston, s/off
0130 WLSU 88.9 WI La Crosse, s/off
0145 WRAS 88.5 GA Atlanta
0200 WRFN 88.1 TN Nashville, s/off
claims 700w
0300 KUNI 90.9 IA Cedar Falls
0330 WAMU 88.5 DC Washington
0330 WPFW 89.3 DC Washington
0400 WUIC 88.1 IL Chicago, 10w
7/17 Es
1405 WFUZ 93.7 FL Ocala
1410 KHUF 88.7 TX Houston
1418 KTSU 90.9 TX Houston
1422 KRLY 93.7 TX Houston
1438 KILT 100.3 TX Houston
1447 KEXX 93.9 TX Corpus Christi
1459 KSUC 88.3 TX Keene
1500 KNTU 88.5 TX Denton
1505 KZZY 100.3 TX San Antonio
1513 KMFA 89.5 TX Austin
1515 KLBJ 93.7 TX Austin
1523 KETR 88.9 TX Commerce
1524 KLBK 94.5 TX Lubbock
1529 KESS 93.9 TX Fort Worth
1530 KCBI 89.3 TX Dallas
1531 KVTT 91.7 TX Dallas

All I can say regarding the summer of 1980 is: incredible! I have now heard and taped my 34th 10 watt station via tropo. All of these stations are located in the educational band and none are FM translator stations. From this location, a translator station has never been heard. As yet, a 10 watt station has never been heard by Es or MS. These 10 watters and number of them are from the following states: OH - 13 IN - 12 IL - 7 and MI - 2.

Other weak signals heard were: 88.1 WETN Wheaton, IL with 250 watts Directional antenna. I suspect WETN's signal is mostly sent to the north to protect Chicago's 10 watters. WETN's signal was very weak here. KALA 88.5 at St. Andrews College in Davenport, IA has 100 watts with only a 48 foot tower. WRFN 88.1 Nashville, TN claims 700 watts with a tower height of only 6 feet. Surprising how well these were heard.

DX got a late start here, but once it started it hasn't quit. Stations from the St. Louis area at 310 miles have been full strength competing with the locals nearly every day. The Iowa City, Cedar Rapids and quad city stations were full strength like never heard before. KRNA 93.9 in Iowa City had Chicago's WLAK wiped out for days. These openings have been as good as skip. So many stations were blasting in that it was impossible to get ID's on everything.

I didn't have much luck with skip. Es was either missed or I found it too late. July 17th was the best day heard, but I got out of bed too late and missed a great deal. I didn't realize it, but stations were also in from the northeast. When I turned my antenna around, I heard central NY mentioned on 88.3 which must have been Syracuse. 89.1 and 93.9 had foreign language programs, so I presume New York City, but could get no ID's before it fizzled.

It is my hope to listen to some FM in Europe within the next few days. Perhaps I will have a report on stations heard in Vienna, Salzburg, Paris, London, and Edinburgh.

Will see you all next month. Total: 925 with 233 Ed. band. 73, Ralph

ME cont'd:

7/17 Es
300 1536 KWJS 94.9 TX Arlington 860
350 1537 KFMM 107.9 TX Abilene 1025
1542 KYKK 94.1 NM Humble City 1170
325 1555 KAFM 92.5 TX Dallas 850
350 1600 KTXK 88.1 TX Lubbock 1070
310 1603 KWKQ 107.1 TX Graham 940
465 1606 KQTP 96.9 TX Odessa 1150
330 1617 KTEZ 101.1 TX Lubbock 1070
510 1630 KORQ 100.7 TX Abilene 1025
220 1634 KOCV 91.3 TX Odessa 1150
300 1635 KSJT 97.5 TX San Angelo 1100
1644 KBLI 92.9 TX San Angelo 1100
300 1705 KENW 89.5 NM Portales 1110
275 1706 KATX 97.3 TX Plainview 1040
415 1720 KACV 89.9 TX Amarillo 1010
1724 KSEL 93.7 TX Lubbock 1070
240 1728 KTNM 92.7 NM Tucumcari 1110
390 1730 KLYT 88.3 NM Albuquerque 1250
480 1734 KKJY 100.3 NM Albuquerque 1250
300 2000 KWLW 93.9 TX San Angelo 1100
2107 KRWG 90.7 NM Las Cruces 1360
2111 KTEP 88.5 TX El Paso 1360
7/20 tr
0025 WHPK 88.3 IL Chicago, 10w 165
7/29 tr
0030 KRES 104.7 MO Moberly 390
0100 WRAS 88.5 GA Atlanta 480
0215 WCBN 88.3 MI Ann Arbor, 10w, r\$ 150
0500 WUIC 88.1 IL Chicago, 10w 165
0503 WHPK 88.3 IL Chicago, 10w 165
7/30 tr
0800 WGGC 88.3 IL Downers Grove, 250w 170
2300 WRXX 95.3 IL Centralia 265
7/31 tr
0000 WKDZ 106.3 KY Cadiz, s/off 280
0004 WZRD 88.3 IL Chicago, 10w 165
o/10w WHPK
0012 WLWU 88.7 IL Chicago, 10w 165
s/off
0158 WUSO 89.1 OH Springfield, 10w 90
pr, now \$
0200 WLYX 89.3 TN Memphis 465

SEPTEMBER 1980

SOUTHERN FMDX

September

Danny Buntin
1312 N. Skyline
Stillwater, OK 74074

DEADLINE: 10th

THE BEST SEASON EVER CONTINUES FOR SOME DXERS

Trop activity continued to hold up rather well through mid-July. By the 13th, the last reported good day, the best openings (ranging to around 700 mi. distant) had shifted to the more easterly areas such as West Virginia and Tennessee. Among the most interesting of this year's tr catches were the El Paso, TX loggings made by Vernon Eaton of AR. Tr needs moisture for development, and it must have taken quite an odd twist in the weather patterns to bring long haul tr out of arid El Paso, which receives only 8 inches of rain yearly.

Es stayed dead all through the first half of July before suddenly coming alive to an amazing extent on the 17th, featuring long lasting openings and high MUF's, similar to the super Es day of June 18th. Nearly every one reporting this month had a good time with the 17th. There were several other skip days for the remainder of July, but most were not very outstanding. The tendency for Es continued into early August, but weak openings were still apparent.

Tim McVey, Rt. 3, Box 568, Bolivar, TN 38008 - May 18 to July 15

5/18 tr
0827 WKOM 101.7 TN Columbia, k 113
WVCP 88.3 TN Gallatin 162
WUTC 88.1 TN Chattanooga 211
5/21 tr
1000 WNAN 106.3 AL Demopolis, c 202
2200 WVVN 98.3 MS Carthage, k 169
2215 WCRQ 92.7 AL Arab, r
2218 WTUG 92.7 AL Tuscaloosa, r 165
2229 WEXA 101.7 MS Eupora

5/24 tr
1000 WHIL 91.3 AL Mobile 322
1000 WJSU? 90.7 MS Jackson 214

5/26 tr
2030 WITZ 104.7 IN Jasper, r 250
2100 WFSR 90.7 IN Evansville, c 205

5/27 Es
1130 KMOR 92.9 NE Scottsbluff, mr 908
(state #31)
1140 KAWY 94.5 WY Casper, pr 1053
(state #32)

5/28 tr
1200 WKNZ 101.7 MS Collins

5/29 Es
2230 KFYR 92.9 ND Bismarck, r
2235 KQDY 94.5 ND Bismarck
2239 KSDN 94.1 SD Aberdeen, c
2240 KMOT 93.7 ND Minot
2241 KQAA 94.9 SD Aberdeen, r
2247 KCJE 97.1 ND Minot, e
2300 KUSD 89.7 SD Vermillion, c
2300 KESD 88.3 SD Brookings
2301 KPAT 97.3 SD Sioux Falls, m
2302 KSEZ 97.9 IA Sioux City, r
(state #33)
2315 KSJM 93.3 ND Jamestown, e

5/30 Es
0900 WNGX 93.1 ME Portland, m
0925 WPCB 92.9 ME Bangor,
0924 WCOU 93.9 ME Lewiston, k "U-94"

5/30 Es
0929 WRUM 96.3 ME Rumford, m
0930 WHCM 94.9 NH Mt. Washington, e
0932 WCFR 93.5 VT Springfield, m
(state #34)
0935 WDEA 95.7 ME Ellsworth
09-- GBZ 101.5 NB Fredericton-St. John
(province #2)
0939 WPCR 101.9 ME Portland, r
0941 WXLQ 103.7 NH Berlin
0942 WNBX 103.7 NH Keene, r
0945 WBGW 97.1 ME Bangor, k
09-- WDCS 97.9 ME Portland, c
0950 WKTR 97.7 ME Millinocket
0954 WRFB 101.7 MT Stowe
0956 WTCG 105.1 ME Skowhegan, m
0958 WMEM 106.1 ME Presque Isle, c
1000 WVTG? 90.7 VT Randolph Center,
far-fetched tent.
1010 WIMS 96.1 ME Presque Isle, r

6/1 Es, tr
2055 KOOL 94.5 AZ Phoenix, m
2048 KMCR 91.5 AZ Phoenix
2059 KUAT 90.5 AZ Tucson
2101 KALJ 95.1 AZ Yuma
2106 KNIX 102.5 AZ Phoenix, m
2108 KDOT 100.7 AZ Scottsdale, r (new call)
2109 KBEC 98.7 AZ Phoenix, r
2113 KHFP 101.5 AZ Phoenix, c
2115 KJYK 94.9 AZ Tucson, e, "K-Joy"
2117 KUPD 97.9 AZ Tempe,
2122 KDKB 93.3 AZ Mesa, r
KRFM 96.6 AZ Phoenix, e
2132 KTTY 92.9 TX San Antonio, r, prev. Es
2200 KVTT 91.7 TX Dallas
2212 KSMB 94.5 LA Lafayette
2222 KLCL 99.5 LA Lake Charles
2230 KEPT 96.5 LA Shreveport
22-- KISS 99.5 TX San Antonio
2240 KBUC 107.6 TX S. A.
2245 WQAT 97.3 TX S. A.
2307 KMPM 96.1 TX S. A.

6/2 tr
0758 KKNG 92.5 OK Oklahoma City, e
0800 KATT 100.5 OK OKC, r

cont.

6/2 tr
0800 KNED 101.3 OK McAlester
0804 KMOD 97.5 OK Tulsa
0805 KBEZ 92.9 OK Tulsa, e
0806 KRAV 96.5 OK Tulsa, r
0806 KCFO 98.5 OK Tulsa, g
moet Dallas-Ft. Worth stations in also

6/6 tr
0754 KZIP 98.7 TX Amarillo
0758 KTEN 93.3 OK Ada

6/15 tr
0755 KBFL 90.3 MO Buffalo

6/18 Es
1100 WCRU 89.7 FL Miami, g
1100 WTMI 93.1 FL Miami, c
1101 WKIZ 92.5 FL Key West
1106 WWLW 93.9 FL Miami Beach, r, "Love-94"
1106 WINZ 94.9 FL Miami Beach, r
11-- WMJX 96.3 FL Miami, m
1112 WATA 97.3 FL Miami, m
1200 KREX 92.3 CO Grand Junction, e
12-- KGRE 92.5 CO Greeley, e
1216 KTCL 93.3 CO Ft. Collins, pr
1220 KYTN 94.7 ND Grand Forks
1232 KWYR 93.7 SD Winner, r
12-- KMOR 92.9 NE Scottsbluff, m
1254 CFVP 92.1 AB Calgary, r, prov. #3
1404 KWHO 93.3 UT Salt Lake City
14-- KUER? 90.1 UT SLC, c
1406 KBYU 88.9 UT SLC, c
1410 KCPX 98.7 UT SLC, r
1412 KRSP 103.5 UT SLC, r
1415 KEFI 100.3 UT SLC, e
1415 KALL 94.1 UT SLC, m
1416 KDAB 101.1 UT Ogden, r
1433 RQIX 93.1 CO Grand Junction, r, "Q-FM"

6/25 tr
2020 KBRA 97.9 KS Wichita, e
2025 KFDI 101.3 KS Wichita, k
2026 KBUZ 106.5 KS Arkansas City, pr
2029 KMCK 105.7 AR Siloam Springs, r
2032 KSWT 107.7 KS Topeka, e
2037 KSKU 102.1 KS Hutchinson, r
2044 KSKC 99.9 KS Salina, r
2046 KBEZ 92.9 OK Tulsa, e
2059 WIBW 97.3 KS Topeka, mr
2059 KMUW 89.1 KS Wichita
2343 KWKI 93.3 MO Kansas City, g
2345 KICT 95.1 KS Wichita, pr
(May 18 to July 15, best two months of DX
I have ever had.)

Well, folks, this has been a great spring-summer DX time for me. Logs now stand at 600, 36 states, etc. Receiver is a JVC JT-V22 tuner with a Finco FM-5 antenna and C. M. rotor. I was absent for two weeks, so I probably missed lots more. I was told that TV reception was lousy on locals. By the way, the "e" following some of my listing denotes "easy listening," "beautiful music," "Muzak," or whatever you want to call it. The format is so widespread that I believe it deserves a separate letter. I'll end now with a wish for lots of good DX to "ya'll out there." 73, TIM....

Fat Dyer, 5315 Silvertip Dr., San Antonio, TX 78228

Just a short note to let you know I'm still here and active. There has been just so much FM Es (and not getting the new Atlas until mid-June) I'm backed up to June 2 with tapes to review. I've also been active on 2-m (144 MHz) and had a good Es session there on Jul 17. STATS: June 1980 20 days, 37 openings, 2400 minutes (best since '77) (I was away most of

July 1980 13 days, 30 openings, 1615 minutes ("") July '79)
30 You have the prior years' data from my previous reports. Sure hope I can get this backlog cleared up soon. 73, Fat

6/25 tr
2359 KWGS 89.5 OK Tulsa
(also Tulsa and Okla. City relogs..)

6/26 tr
0000 KSPI 93.9 OK Stillwater, m
0001 KYEZ 93.7 KS Salina, r
0002 KMMM 106.9 OK Muskogee, s
0006 KKKK 95.7 KS Ottawa
0011 KTFX 103.3 OK Tulsa, k
0017 KTEK 106.9 KS Topeka, k
0021 KWEN 95.5 OK Tulsa, r
KTCS 99.9 AR Ft. Smith, k
0849 KHEN 99.5 OK Henryetta, m

6/27 tr
0940 KCKN 94.1 KS Kansas City, k
0946 KMBR 99.7 MO K.C., m
0950 KYYS 102.1 MO K.C., rp
0954 KRES 104.7 MO Moberly, k
1000 KSCF 97.1 MO Florissant, m

7/6 tr
0815 KLWT 92.1 MO Lebanon, k
0828 KTLO 98.3 AR Mountain Home

7/11 tr
0928 KSLH 91.5 MO St. Louis
0930 KCLC 89.1 MO St. Charles

7/13 tr!!
1001 KLYF 100.3 IA Des Moines, e
1005 KRNA 93.9 IA Iowa City, r
1011 KGRS 107.3 IA Burlington
1014 KLSE 106.1 IA Mason City, r
1017 KOPS 92.5 IA Jordan Valley, r, state #33
1028 KAUS 99.9 MN Austin-Albert Lea, k
1030 WZZC 101.3 IL East Moline, r
1030 WQCY 99.5 IL Quincy, em
1100 WLVE 94.9 WI Baraboo-Madison, e
(state #36)
11-- KNUP 93.1 MN New Ulm, m
1059 KBEY 102.1 MN Minneapolis-St. Paul, e
1106 KBEZ 99.1 MN Mankato, m
1125 WVEM 101.9 IL Springfield, me
1133 KYSM 103.5 MN Mankato, e
1128 KTIK 103.7 IA Davenport, r
1129 KIWI 105.3 IA Dubuque, m
1123 KROC 106.9 MN Rochester, r
1135 KNXR 97.5 MN Rochester, m
1147 WAVL 93.7 MN Minneapolis, e
11-- KRVR 106.5 IA Davenport, mr
1205 KSJR 90.1 MN Collegeville
1300 KNWS 101.9 IA Waterloo

Glenn Hauser, University Radio WUOT, Knoxville, TN 37916 CST

A winter Es opening on Jan. 6 extended into FM from Texas--stereo rock on 88.1 at 1720; 1733 organ, gospel on 88.3; 1738, stereo 'jazz 88' with CST time check--this KUHF? 1736 stereo classical on 1736.5; soul on 90.9; 1750 88.7 jazz mentioning Houston; 1752 and earlier ATC on 91.3, KVLJ or KNCT? 1752, All Things Considered on 90.3; 1759 Dallas-Ft. Worth on 90.1 so KERA; MUF drops around 1815. It may well go above 92 MHz at times but I find commercial stns so boring I don't always look for them even when they're DX!

On Feb. 24 at 0046 I logged the first ID aired by our new WUOT relay station, in tests, WUTC 88.1 Chattanooga; and the second Feb. 28 at 1729; after that it was on more or less regularly.

After various Es opening affecting on TV, I caught one into FM on June 18, at 1640 with Quebecois French on 89.3, tho the only Canadian listed in the latest FM Atlas on the freq. is CBN-20 Thunder Bay; 1658 French on 89.1, 1700 taped ID as CKRL-MF (Quebec City) at 1730 the 89.3 had a R-Canada ID, classical music.

July 7, a nice (if close) tropo opening, bringing in all 4 West Virginia public radio net stations, in parallel, opera at 2225, ID at 2245 as WVPN 88.5 Charleston, WVFB 91.7 Beckley, WVFW 88.9 Buckhannon, WHPW 89.9 Huntington. Despite the fact that WHPW has the lowest listed power, the opening favored it with the strongest signal here. Then some weaker signals from Pittsburgh--at 2300 on 90.5, jazz, 2305 WDUQ s/off, saying transmitter atop Mt. Washington (not the one in NH, I assume!) and that we should 'stay tuned' until they signed on the next morning. No, thank you. Usual QRM from 2nd harmonic of TV set video IF from 45.25 MHz--a good reason no station should voluntarily go on 90.5 MHz! At 2307, WXLK-92.3, "Roanoke's K-92FM" with jivey black DJ, wx.

On July 17 during bang-up Es opening extending into 186 MHz, I condescended to log some commercial FMs, since the band was wide open to the top. At 1800 tune-in, found KEYA-88.5 of Belcourt ND with ID in passing; at 1803 on 88.1 mentioning Manitou Springs and SE CO, time as "6:02" and at starting American FM nx; KCMC. Denver's KBPI 105.9 IDed in passing at 1811, KAZY 106.7 at 1812. At 1813, WOCO 107.1 Oconto WI ID in passing; 1814 KLIN 107.3 Lincoln NE after at least a minute of hum resembling our bulk eraser. 1823, CKWG 103.1 Winnipeg Man. with promo; lots of 'live' woman DJs to be heard in this opening, I am glad to say. 1829, KRAD 103.9 E. Grand Forks MN ID; 1830, CKWG 103.1 ID as 'Stereo 103', 7:30 time, wx. 1832, KAGB 105.5 Cambridge MN ID in ad, also mention 'FM 105'. 1836, KKFM 96.5 Colorado Springs giving phone as 596-KKFM. 1838 on 94.3, "Q-94, The Music FM" ID, not sure what, maybe just Oak Ridge. 1841 classical on 98.3, must be CBW Winnipeg. 1843, WOCO 102.9 Minneapolis, Valley Fair ad, ID, woman DJ; 1846, KVGB 104.3 and 'FM104', wx, woman ancr. Jill Foss, temp also 104; Great Bend KS. 1852, Victoria Station ad on WCCO 102.9 At 1854, ad mentioning I-35-W and University SW, presumably Anoka as logged a few minutes later: 1859 on 107.9, Szechwan Star restaurant ad, woman DJ, "K-Twin FM 108" ID (KTWN 107.9 Anoka MN--what's wrong with that way of saying it??). 1905, WJYY 106.7 Brainerd MN with nx; 1924 safety PSA mentioning Windsor on 99.1 so KUAD, CO. 1928 ending NBC nx, then local man with nx on 107.5, "Z-107," KLIZ-FM, Brainerd MN. At 1930 on 106.3, River Falls ID so WEVR Wisconsin. 1931, WLOL 99.5 Minneapolis ID, wx, yet another woman announcer. 1958 on 97.9 ending drama 'Story of Great Christians' (Michael Faraday), and KPNW ID. Fargo ND. 1959 on 98.3 CBC-Stereo and CWB Winnipeg IDs, Arts National (a program I dearly wish I could hear at will). 2045 MUF down but 98.3 still in. 2051 on 98.7 Fargo ad, so KQWB Moorhead MN. A bit of Es left at 2126 check when on 89.3 there were a classical station and a jazz station mixing.

Receiver here is a Pioneer TX-9100, antenna a combo VHF/FM multi-element mounted just above the roof of my one-story house. During a strong opening I have the antenna 'split' four ways (to FM and 3 TV sets) with no amplification.

John "Khush" Hart, Box 644, Carlin, NV 89822 PDT

Equip. as of 6/18: Panasonic RF-594 port. AM/FM rx using w/twinlead about 20 ft. long

I'm located in NE Nevada (Elco Co.) 5,000 ft. alt., 250 mi. from Reno, Salt Lake City, and Boise, ID and about 400 mi. N. of Las Vegas, NV. Lots of coyotes, still a few eagles, sage and grease wood and rabbit bush (with lots of jack rabbits.) Buffalo grass is coming back now with lots more rain than usual for this dry, semi-arid desert mountain country.

6/18 Es (My first attempt at DXing FM!)

1300 KTTT 94.7 MO Springfield, nx 1244
1303 KWPM 93.9 MO West Plains, M nx, 1300
local wx ID "These are the great ones
KWPM-FM"

1315 unID: EL mx, ID "You've dialed the
music station FM-94"
1432 KNOP? 95.3 MN St. Paul, T-storm act.

for Anoka Co....78 in the cities (Minn-St.

Paul?, ID "95-FM"

1335 KNEN 94.7 NE Norfolk, ads est. 1000
1725 CFMQ? 92.1 SA Regina? ID: Ici Radio
Canada a Saskatchewan, FF nx

7/2

KSFI 100.3 UT Salt Lake City, reg. local
here, for long time only one heard!

Rick Samford, 404 S. McNeill, Burnet, TX 78611 - July 7 to Aug. 5 CDT

7/13 tr
0702 KMAR 95.9 LA Winnsboro
0802 WQNZ 95.1 MS Natchez-LA Vidalia
"Z-95", ID after over 2 min. of dead air

7/14 tr
0758 WQNZ 95.1 MS Natchez, r
0759 WRPM 107.9 MS Poplarville

7/16 tr
0725 KRVS 88.1 LA Lafayette, FF

7/17 Es
1348 WKKW 104.1 PA Allentown, ID, Lehigh Valley wx
1351 WQXX 94.1 PA Sunbury, "94-KX," r
1353 WNOZ 99.9 NY Cortland, r
1357 WDCX 99.5 NY Buffalo
1359 WKSJ 102.7 PA Williamsport
1400 WBBN 102.5 NY Buffalo, r, "Rock-102"
1402 WYSS 94.3 PA Saegertown
1408 WGRG 104.5 PA WellsboroMansfield
1409 WELA 104.3 OH East Liverpool
1410 WDOK 102.1 OH Cleveland, "FM-102"
1426 WTKR 95.3 OH Norwalk, r
1429 WMJC 94.7 MI Birmingham, "Magic-95"
1430 WQAL 104.1 OH Cleveland
1431 WAMO 105.9 PA Pittsburgh
1433 WNUF 100.7 PA New Kensington, big band
1435 CKFM 99.9 ON Toronto, "99-9"
1437 CHUM 104.5 ON Toronto, "104-Chum-FM", p
1442 WDMT 107.9 OH Cleveland
1446 WRMZ 99.7 OH Columbus, m, "\$-100"
1448 WKNT 100.1 OH Kent
1450 WNCI 97.9 OH Columbus
1455 WTOP 98.1 OH Canton-Akron
1458 WDAO 107.7 OH Dayton
1547 WHSB 107.7 MI Alpena, r
1549 WNUZ 103.5 MI Detroit
1552 WGER 102.5 MI Bay City-Saginaw-Midland, m "FM-102"
1557 WGMZ 107.9 MI Flint
1600 WJFM 93.7 MI Grand Rapids, r, "Mellow 93"

1604 WKCO 98.1 MI Saginaw
1605 WJML 98.9 MI Petoskey
1614 WNIC 100.3 MI Dearborn-Detroit, r
1617 WIBM 94.1 MI Jackson, "I-94," ID
1621 KYSM 103.5 MN Mankato
1622 WNRW 103.3 WI Wisconsin Rapids, r, "W-103"

1629 WMUK 102.1 MI Kalamazoo
1631 WDUZ 98.5 WI Green Bay
1633 KNXR 97.5 MN Rochester, m
1636 WDEZ 101.9 WI Wausau, EZ
1640 WJEZ 104.3 IL Chicago, "\$ Country," ID
1642 WGCI 107.5 IL Chicago
1648 WGRD 97.9 MI Grand Rapids, r
1649 WKHQ 105.9 MI Charlevoix, "KHQ"
1656 WAPL 105.7 WI Appleton, p
1659 WYEN 106.7 IL Des Plaines, nx
1700 WFNN 104.7 MI Escanaba, r, "Fun-104"
1702 WOOD 105.7 MI Grand Rapids, wx, "Wood-FM"
1710 WLVV 96.9 MI Grand Rapids, p
"97-LAV-FM"

1715 WRLO 105.3 WI Antigo?, r, brand new station not listed in new Atlas
1718 WCBY 105.1 MI Cheboygan
1728 KANY 106.3 IA Ankeny

7/17 Es
1728 WEVR 106.3 WI River Falls-Hudson
1731 WGRG 105.1 MN Duluth
1734 KDWB 101.3 MN Richfield
1736 KAUS 99.9 MN Austin-Albert Lea
1740 KRNA 93.9 IA Iowa City
1744 KEEY 102.1 MN St. Paul-Minneapolis, "Key," ID, m
1745 KCSG 92.7 IA Osage
1754 WDOF 93.9 WI Sturgeon Bay
1759 WBKV 92.5 WI West Bend
1759 WJFD 92.3 MI Ishpeming

7/18 Es
1254 KJLH 102.3 CA Compton
1257 KJOI 98.7 CA Los Angeles, nx
1257 KWXY 98.5 CA Cathedral City
1258 KDES 104.7 CA Palm Springs
1300 KDUO 97.5 CA Riverside
1301 KOLA 99.9 CA San Bernardino, "Cola," ID
1305 KGB 101.5 CA San Diego
1306 KZLA 93.9 CA Los Angeles, r
1310 KIIS 102.7 CA Los Angeles, r
1311 KTQQ 100.3 CA Los Angeles
1313 KHTZ 97.1 CA Los Angeles, "K-Hits-97"
1314 KSCN 97.3 CA San Diego
1316 KXFM 99.9 CA Santa Maria
1319 KRUZ 103.3 CA Santa Barbara, "Cruise," m
1321 KUMA 102.5 CA Santa Maria
1323 KPSD 94.1 CA San Diego
1324 KCRW 89.9 CA Santa Monica
1332 KNOB 97.9 CA Long Beach
1334 XHRM 92.5 BCN Tijuana
1336 KBZT 94.9 CA San Diego, oldies, "K-Best-95"
1341 KIFM 98.1 CA San Diego
1352 KTMS 97.5 CA Santa Barbara, p, "The Rock of the Coast"
1356 KBBY 95.1 CA Ventura-Oxnard
1358 KPSG 96.3 CA Los Angeles
1359 KXYX 96.5 CA San Diego
1359 KCSN 88.5 CA Northridge
1400 KMET 94.7 CA Los Angeles

7/30 tr
0852 KRVS 88.1 LA Lafayette

7/31 tr
1013 KTIZ 96.9 LA Alexandria, ex KSLI, now s (was m)

8/1 Es
1000 WDYN 89.7 TN Chattanooga

8/2 tr
0859 KRUN 103.1 TX Ballinger, ex-KCWB, TSN nx, auto k

8/4 Es
0913 CJBX 92.7 ON London, "BX-93 Country," wx
0917 WAXC 92.1 OH Wapakoneta-St. Marys, wx
0918 WGTC 92.3 IN Bloomington, psa, ID, k
0944 WYCA 92.3 IN Hammond, g

July 17th kept the month from being a complete disaster, with the best skip heard coming for NY, PA and Toronto. NY is state #41 here and the last one under 1400 miles to be logged.

cont.....

Some recent correspondence from KRVS station manager, Charles W. Huebner, has added some insight into the operation of that station: "We began operating at 3000 watts on Nov. 6, 1979. Our antenna height is 100 feet and on April 7, 1979 we were still operating at 10 watts with the same 100 foot antenna." Oddly enough, the 4-7-79 reception was probably about the best I've ever encountered from this station. No mention of the 88.3 to 88.1 freq. change was made, but one has to assume that this also occurred on 11-6-79. Counting the freq. change, which I didn't in last month's report, I have 53 LA loggings. KGOL 107.3, Lake Jackson, TX commenced operation with 100 kw and (presumably) its new antenna on June 27th. This gospel station will now eliminate some 600-1000 mile FL tr that had been fairly common on that frequency. 73s, Rick

Vernon Eaton, 82 Springhill Acres, Benton, AR 72015 - June 25 to July 23

Equip: Sony 5130 tuner, Quad Pinco FM 5's, coax on rotor, @60 ft. 617 logged. phone no.: 501/847-2066

May, June and July have been utterly fantastic. Starting in May I had 439 stations logged. It seemed tough to get more than 1 or 2 new loggings per week. (was hard for me to get 1 or two new ones per month with me. DB) About the middle of May things started happening. Things like tropo in all directions lasting for days at a time. Es for 180 degrees and lasting 8 to 10 hours at a time. All this I had only heard or read about. In three months time, I logged more stations than I had logged 20 months prior. I am a person who will not fool with the radio unless it's hot. I may be in one of the best all around DX spots in the U. S. I have logged many Es catches out of Canada, prior to June, no catches. June 25, an all time record breaking heatwave started in TX, OK, AR, KS and MO all at once. This created hot air rising to a dome of cold air that created fantastic tr from south to east 270 degrees that lasted 10 days. It blanketed all of TX, OK and KS. I doubt if we have any complainers, with all the tr and Es for June and July. This will go into the records as one of the all time best.

I taped a 10 watter WMMC of Traverse City, MI at 850 mi. It wasn't in the FM atlas, and I got call letters and city. Fantastic. Same night Es across the band thru 107.9.

6/24 tr
0258 KUHF 88.7 TX Houston, ID, \$ 350
2250 KPFT 90.1 TX Houston, ID, \$, k 350
2252 KTSU 90.9 TX Houston, r
2255 KYKR 93.3 TX Port Arthur, ID, \$, k
2259 KFMK 97.9 TX Houston, ID, \$, r
2301 KLOL 101.1 TX Houston, ID, \$, r
2303 RQKE 102.9 TX Houston, \$, m
2307 KAJN 102.9 LA Crowley, ID, \$, g 300
2310 KRBE 104.1 TX Houston, \$, r 350
2320 KMCV 106.9 TX Conroe, \$, g 340
2324 KWIC 107.7 TX Beaumont, \$, r 350
2325 KYND 92.5 TX Pasadena, \$, m 350

6/25 tr
1930 WSOF 89.9 KY Madisonville, ID, g
2000 WOI 90.1 IA Ames, ID, g 550
2015 KWKI 93.3 MO Kansas City, g 350
2017 KCUR 89.3 MO Kansas City, \$, C
2033 KMBR 99.7 MO Kansas City, ID, m
2045 KBEQ 104.3 MO Kansas City, ID, r
2110 KTFX 103.3 OK Tulsa, ID, \$, k 200
2150 KKNG 92.5 OK Oklahoma City, ID 350
2151 KAPM 92.5 TX Dallas, \$, r 275
2152 KYND 92.5 TX Pasadena, \$, m 350
2300 WIBW 97.3 KS Topeka, ID, \$, r 410
2330 KFDI 101.3 KS Wichita, ID, \$, k 390

6/26 tr
1225 KYYS 102.1 MO Kansas City, ID, \$, r
2300 KXCV 90.5 MO Maryville, ID, \$, c 450
2305 WUOL 90.5 KY Louisville, \$, 450
2310 WBHM 90.3 AL Birmingham, \$, c 350

6/28 tr
0240 WJJC 89.1 IL Mt. Carmel, ID, \$ 485
0250 WFPS 95.5 IN Indianapolis, ID, \$
0252 WIAN 90.1 IN " " ID 550
0257 WMAP 93.1 IN " " \$, p

6/28 tr
0258 WFBQ 94.7 IN Indianapolis, ID, \$, r
0259 WXTZ 103.3 IN Indianapolis, \$ 550
0300 WTHI 99.9 IN Terre Haute, \$, p 475
0301 WFFR 102.7 IN " " ID, \$, p
0302 WVTS 100.7 IN " " \$, r
0303 WDDD 107.3 IL Marion, ID, k 290
0306 WBCL 90.3 IN Ft. Wayne, \$, c 640
0307 WPTH 95.1 IN " " \$, r
0308 WMEF 97.3 IN " " ID, \$, m
0310 WETL 91.7 IN South Bend 650
0315 WNDU 92.9 IN " " \$
0316 WJYJ 101.5 IN " " ID \$, m
0330 KVAR 104.5 TX San Antonio, ID \$ 550
0334 KRTU 91.7 TX " " \$, r
0335 KRTU 92.9 TX " " \$, r
0336 WQAI 97.3 TX " " \$, m
0338 KQXT 101.9 TX " " ID, m
0338 KTFM 102.7 TX " " \$, r
0344 KUT 90.1 TX Austin, \$, j 450
0345 KLBK 93.7 TX " " ID \$, r
0346 KOKE 95.5 TX " " \$, k
0347 KASE 100.7 TX " " \$, p
0405 WUUB 91.1 IN Vincennes, ID, \$, p 425
0406 KSEL 93.7 TX Lubbock, \$ 575
0407 KSCG 96.3 TX Ft. Worth, ID, \$, k 285
0410 WIKY 104.1 IN Evansville, ID, \$ 360
0411 WVHI 105.3 IN Evansville, k
0500 KWUU 90.7 MO St. Louis, ID, j 350

1010 KIXS 93.3 TX Killeen, ID, p 400
1030 KOKE 95.5 TX Austin, ID 450
1032 KWJS 94.9 TX Arlington, ID 275

6/29 tr
0152 WENN 107.7 AL Birmingham, \$, j 350
0153 KWIC 107.7 TX Beaumont, \$, r 360
0154 WABD 107.9 KY Ft. Campbell 310
0156 WQLT 107.3 AL Florence, ID, \$, r (cont.) 33

SOUTHERN FM DX

Eaton, cont.

SEPTEMBER, 1980

6/29 tr
 0214 **KDNT** 106.1 TX Denton, ID, \$ k 280
 0216 **KNTU** 88.1 TX Denton, ID, r
 0220 **KMMK** 95.3 TX McKinney?? \$ 275
 0227 **KSSS** 93.9 TX Ft. Worth, \$ 285
 0230 **KBAN** 105.1 TX Abilene, ID, \$ k 475
 0232 **KPMN** 107.9 TX Abilene, r
 0240 **KQIP** 96.9 TX Odessa, \$ m 650
 0241 **KOYL** 97.9 TX Odessa 640
 0802 **KSUC** 88.3 TX Keene 280
 0825 **KSJT** 97.5 TX San Angelo, \$ 540
 0828 **KWLW** 93.9 TX San Angelo, \$ 540
 0910 **KOKE** 95.5 TX Austin, ID \$ k 450
 0912 **KLBJ** 93.7 TX Austin, ID, \$ p 450
 0915 **KTBC** 92.1 TX Nacogdoches, ID, \$ g
 1000 **KKNG** 92.5 OK Oklahoma City, ID, \$ m
 plus six others from Okla. City 350
 relogged
 2258 **KGCW** 92.1 OK Broken Arrow, ID, \$ m
 2303 **KACW** 99.3 TX Paris, ID, \$ 130
 2305 **KPYN** 99.3 TX Atlanta, p 175
 2325 **KREK** 104.9 OK Bristow, ID \$ 180
 2343 **KCSC** 90.1 OK Edmond, ID \$ p 365
 0030 **KPAN** 106.3 TX Hereford, ID, k 600

7/1 tr
 0200 **KSMT** 107.7 KS Topeka, ID, \$ 330
 0204 **WIBW** 97.3 KS Topeka, ID, \$
 0204 **KTPK** 106.9 KS Topeka \$
 0205 **KBRK** 97.9 KS Wichita, \$ 350
 0206 **KICT** 95.1 KS Wichita 350
 0208 **KFDI** 101.3 KS Wichita, \$
 0209 **KARD** 107.3 KS Wichita, \$
 0208 **KHCC** 90.1 KS Hutchinson 400
 0209 **KSKU** 102.1 KS Hutchinson, ID \$ 400
 0212 **KBHL** 95.3 NE Lincoln, \$ 520
 0213 **KFMQ** 101.9 NE " " \$
 0218 **KHAT** 106.3 NE " " \$
 0220 **KVNO** 90.7 NE Omaha, \$ 530
 0225 **KEZO** 92.3 NE " " \$
 0235 **KGOR** 99.9 NE " " \$
 0250 **KGBL** 100.7 NE " " \$
 0300 **KEZK** 102.5 MO St. Louis, ID, \$ 350
 0305 **KSLQ** 98.1 MO St. Louis, ID \$
 0306 **KPRS** 103.3 MO Kansas City \$ 350
 0800 **WMOT** 89.5 TN Murfreesboro, ID, \$ "

7/2 tr
 0100 **WLRH** 89.3 AL Huntsville, ID, \$ 340
 0205 **WCKW** 92.3 LA Laplace, ID 340
 0222 **WKDF** 103.3 TN Nashville, ID 350
 0227 **WAOG** 90.7 GA Augusta
 0234 **WZZK** 104.7 AL Birmingham, ID 350
 0250 **WTXI** 102.3 MS Ripley, ID 200
 1920 **WSKZ** 106.5 TN Chattanooga, ID \$ 405
 1921 **WUTC** 88.1 TN " " c
 1922 **WDYN** 89.9 TN " " g
 1924 **WQEZ** 96.5 AL Birmingham, ID m 350
 1927 **WTUN** 100.1 AL Selma 380
 1928 **WALX** 100.9 AL Selma 380

7/3 tr
 0125 **KPAS** 93.9 TX El Paso, \$ 875
 0126 **KSOI** 93.1 TX " " \$
 0127 **KAMA** 95.5 TX " " \$
 0128 **KPAS** 96.3 TX " " \$
 0130 **KACV** 89.9 TX Amarillo 560

7/4 tr
 0830 **WUTC** 88.1 TN Chattanooga, ID 405

7/4 tr
 0835 **KRVS** 88.1 LA Lafayette 310
 7/5 tr
 0108 **WIVK** 107.7 TN Knoxville, ID \$ k 550
 0110 **WUOT** 91.9 TN Knoxville, c
 7/12 tr
 2103 **WTSU** 90.1 AL Troy, ID, \$ c 500
 2111 **WRES** 105.7 AL Troy, ID, r 500
 2114 **WOOF** 99.7 AL Dothan 525
 2125 **WVNO** 89.9 LA New Orleans, \$ c 405
 five other relogs from New Orleans also
 2244 **WBAD** 94.3 MS Leland, ID 135
 2340 **WTVY** 95.5 AL Dothan, ID, \$ k
 2345 **WRFG** 89.3 GA Atlanta 510
 0003 **WPFO** 99.1 MS Pascagoula, ID 440
 0020 **WKMX** 106.7 AL Enterprise, ID 510

7/15 tr
 0743 **WQUE** 93.3 LA New Orleans, ID \$ 405
 7/16 tr
 0730 **KUHF** 88.7 TX Houston, \$ j 350
 0733 **KYND** 92.5 TX Pasadena, \$ m 350
 0735 **KPPT** 90.1 TX Houston, \$ 350
 0736 **KTSU** 90.9 TX Houston, \$ j

7/17 Es
 1555 **WLVE** 94.9 WI Baraboo, ID \$ m 700
 1605 **WJMC** 96.3 WI Rice Lake, ID 800
 1613 **KBHP** 101.1 MN Bemidji 980
 1620 **KKQD** 92.9 ND Grand Forks, ID \$ 1040
 1632 **KEYA** 88.5 ND Belcourt, ID \$ 1200
 1633 **KFJM** 89.3 ND Grand Forks, \$ 1040
 1635 **WDAY** 93.7 ND Fargo, \$ m 950
KYTN 94.7 ND Grand Forks m 1040
 1636 **KFND** 97.9 ND Fargo g 950
 1638 **KFYR** 92.9 ND Bismarck, ID r 1020
 1639 **KSJM** 93.3 ND Jamestown m 990
 1640 **KNDR** 104.9 ND Mandan m 1025
 1641 **KMAV** 101.7 ND Mayville 1005
 1645 **KIZZ** 93.7 ND Minot, ID, "2'94" 1140
 1646 **KCJB** 97.1 ND Minot
 1700 **KQSK** 97.5 NE Chadron, ID 950
 1708 **KLAN** 96.1 ND Welliston, ID 1190
 1709 **KLJV** 92.1 SD Huron, ID 810
 1749 **KQDY** 94.5 ND Bismarck, ID, k 1020
 1750 **KAWY** 94.5 WY Casper, ID 1000
 1815 **KTAR** 93.5 WY Riverton, ID, m 1000
 1828 **CHAY** 93.1 ON Barrie
 1831 **CKCU** 93.1 ON Ottawa, French 1250
 1834 **CBQF** 102.5 ON " " ID
 1835 **CBO** 103.3 ON " " c
 1840 **????** 103.5 NS Halifax ??, French 1750
 1845 **CBKD** 103.5 SA Buffalo Narrows, French
 (Note: Both stations would pop in and out.
 Both talking in French, only other Canadian
 stations to NE. Es opening to NE) 1700
 1855 **CHOI** 98.1 PQ Quebec, ID 1500
 1900 **WENU** 89.1 MI Ypsilant, ID
 1903 **CBV** 95.3 PQ Quebec, French 1500
 1907 **WRKX** 95.3 IL Ottawa, ID
 1915 **KCMM** 89.5 MI Mt. Pleasant, ID 820
 1916 **WEHG** 89.9 MI Grand Rapids 740
 1917 **WCSG** 91.3 MI " " "
 1918 **WJFM** 93.7 MI
 1919 **WLAV** 96.9 MI
 1924 **WSMM** 101.3 MI Sault St. Marie 990
 cont.....

SOUTHERN FM DX

Eaton, cont.

SEPTEMBER, 1980

7/17 Es
 1925 **WSUE** 99.5 MI Sault St. Marie 990
 2000 **CBVC** 99.9 ON Sudbury
 2015 **WRVW** 102.7 WI Suring, ID 810
 2020 **WGMM** 103.1 MI Gladwin, ID 840
 -A 10 WATTER VIA Es!-
 2025 **WNMC** 90.9 MI Traverse City, r 850
 (Taped ID: 10 watter, NW Michigan College
 Rocks you)
 2030 **WCCW** 92.1 MI Traverse City 850
 2031 **WLDR** 101.9 MI Traverse City

John Zondlo, 1802 N. Rockwell, Apt. 107, Bethany, OK 73008

7/17 Es
 1939 **WFLS** 93.3 VA Fredericksburg
 1958 **WEZR** 106.7 VA Manassas-Fairfax
 2000 **WITO** 107.1 OH Ironton
 2004 **CIHQ** 107.1 ON Toronto, "Q107"
 2025 **CKO** 106.9 ON Ottawa
 2029 **WCLW** 105.3 OH Mansfield
 2034 **WMPO** 92.1 OH Middleport, Reds bb
 2038 **WXIL** 95.1 WV Parkersburg

All catches new. Times CDT. Equip: Realistic STA-42 receiver connected to 1/2 Channel Master stereo probe 9 antenna.

Randall B. Clark, Rt. 9, Box #231 (Dutch Ridge), Parkersburg, WV 26101 - July 8 to Aug. 6
 Equip: Realistic STA-42, with a 3 ft. twin lead at 45 ft. AGL (5 miles east of the city
 limits, 1 mi. to WXIL) Es & tr noted, new underlined, ND=Neil Dickerson, Sharptown, MD,
 RE=Robert Eddy, Newport, OH. EDT used. PH# 304/422-2923

7/8
 2009 **WPME** 105.5 PA Punxsutawney, w/WTKQ
 2021 **WCHO** " " " OH Washington Court off
 (came back from Charleston, WV to find out
 most of our stns were off due to these
 lousy storms we keep having! -hi)
 1355 **WBZ** off w/WSKQ booming, w/general
 enhancement on all area stns, this on 7/9

7/11-12
 0212 **CJOM** 88.7 ON Windsor
 0215 **WBGL** 90.3 IN Ft. Wayne
 0242 **WTLC** 105.5 IN Indy
 0302 **WART** 98.3 IN Plainfield, g
 2240 **WKKX** 104.5 TN Gallian, great trop!!
 2256 **WZBZ** 92.9 TN Nashville
 2302 **WSIX** 97.9 TN " "
 2306 **WPLN** 90.3 TN
 2330 **WIVK** 107.7 TN Knoxville
 2343 **WOKI** 100.3 TN Oak Ridge
 0030 **WEZC** 104.7 NC Charlotte
 0130 **WSPA** 98.9 SC Spartanburg
 0200 **WGLD** 100.3 NC High Point
 0219 **WSOC** 103.7 NC Charlotte
 0220 both **WFMX** & **WEZC** are in \$\$\$!
 all day stuff in from 300+, **WKJX** & **WKJI** by
 1950 and **WBBY** 103.9 in by 2136

7/13-14
 2132 **KUNI** 90.9 IA Cedar Falls !!
 (Called ND to let him in on it but he had
 nothing, also let him hear it "LIVE".)
 2236 **KRES** 104.7 MO Moberly, g, booming!
 2359 **WCOM** 101.7 OH Urbana
 0052 **WJMM** 106.3 KY Versailles
 0059 **WKTR** 104.1 TN Jackson
 0108 **WMBE** 97.3 IN Ft. Wayne
 0130 **WVEZ** 106.9 KY Louisville

2040 **CKAT** 101.9 ON North Bay?? "City of Trees"
 no city ID "country 101"
 2105 **WWRM** 106.7 MI Gaylord, ID "Worm 107" 920
 2107 **WHSB** 107.7 MI Alpena 940
 2108 **WATZ** 93.5 MI Alpena
 2110 **CBEE** 95.1 ON Chatham 800
 2123 **CJBC** 96.5 ON Penetanguishene 950

7/19 Es
 1000 **KHJC** 91.5 BCN Mexicali, \$ 1630
 tr:
 1330 **WMBW** 89.9 TN Chattanooga, ID 405

7/17 Es
 2044 **WKKW** 106.5 WV Clarksburg
 2101 **WHRO** 89.5 VA Norfolk
 2104 **WHIC** 94.3 KY Hardinsburg
 2109 **WYFI** 99.7 VA Norfolk
 2110 **WABX** 99.5 MI Detroit
 2118 **WJNL** 96.5 PA Johnstown, Pirates bb
 2135 **WHOK** 95.5 OH Lancaster, Reds bb
 2148 **WKBN** 98.9 OH Youngstown
 2203 **WYLE** 94.3 AL Abbeville, k

7/14-15
 0155 **KMMU** 90.7 MO St. Louis
 0202 **WVUB** 91.1 IN Vincennes
 0232 **WVJC** 89.1 IL Mt. Carmel
 0240 **WSIU** 91.9 IL Carbondale
 0335 **KUNI** still in!
 0355 **WVCC** 101.7 PA Linesville in w/"Liberty
 Lobby" conservative commentary
 0515 in bed

1038 **WVUB** in beside monster **WQUB!** Shocker!
 1200 **KKAT** 106.9 TN McKenzie, booming in!
 1953 **WTKS** 99.5 IN Indy
 2200 **WKY** 104.1 IN Evansville
 2213 **CJOM** 88.7 ON Windsor
 0010 **WGTC** 92.3 IN Bloomington
 0015 **WLOS** 99.9 NC Asheville
 0026 **WLBC** 104.1 IN Muncie
 0032 **KGRS** 107.3 IA Burlington
 0053 **KUNI** back in again!
 0100 **WDAV** 89.9 NC Davidson (Elving's right)
 0119 **WKMS** 91.3 KY Murray, w/defective stereo
 0206 **WHOP** 98.7 KY Hopkinsville
 0226 **WDNL** 102.1 IL Danville
 1020 **WXIE** 92.1 MD Oakland, in loud! all of the
 typical stuff in plus:
 1632 **WTQR** 104.1 NC Greensboro

7/16
 0000 **WAIF** 88.3 OH Cincinnati
 hearing all or most Cindy stns in!
 0248 **WNSD** w/our typical jock **MUMBLING** into
 the mike.
 after 1630 driven out of my room due to
 extreme heat!! 110+!!

7/17 SUPER ES OPENING!!
 1310 **KIVY** 92.7 TX Crocket, cont.....

7/17 Es
 1322 KLBK 93.7 TX Austin
 1324 KROZ 92.1 TX Tyler
 1329 KVTI 91.7 TX Dallas
 1335 KWTX 97.5 TX Waco
 1337 KHOO 99.9 TX Waco
 1339 KPLX 99.5 TX Ft. Worth
 1346 KNFO 95.5 TX Waco
 1351 KNUS 98.7 TX Dallas
 1352 KPXI 100.7 TX Mt. Pleasant
 1353 KAFM 92.5 TX Dallas
 1354 KIKT 93.5 TX Greenville
 1359 KMGK 102.9 TX Dallas
 1408 KNOK 107.5 TX Ft. Worth
 1410-1433? MUF leveling off to 93 MHz
 1439 KZEK 97.9 TX Dallas
 1445 KMEZ 100.3 TX Dallas
 1448 KTXQ 102.1 TX Ft. Worth
 1453 KVL 103.7 TX Highland
 1459 KFMN 107.9 TX Abilene
 1500 KEAN 105.1 TX Abilene
 1535 KBUC 107.5 TX San Antonio
 1548 KWMJ 103.3 TX Midland
 1602 KCOE 104.7 TX Lamesa
 1615 KLEK 94.5 TX Lubbock
 1639 KHOM 104.1 LA Houma
 1700 KTXI 88.1 TX Lubbock
 1705 KQKY 105.9 NE Kearney, "KQ-106"
 1712 KWAS 101.9 TX Amarillo
 1800 KTTL 93.9 KS Dodge City
 1807 KDKC 95.5 KS Dodge City
 1832 KPMG 107.9 NM Albuquerque
 (spot for their TV/23?) state #26
 1843-1900? MUF lull below 88 MHz
 1900 CBC stuff on 98.3 & 100.9
 1910 KEZK 102.5 MO St. Louis, "Z-102"
 1915 KHLB 107.1 TX Burnet
 1925 UNID French on 93.5
 1936 WHPH 101.1 MN Bemidji, "KB-101"
 state #27
 1937 KPNF 101.1 KS Oberlin
 1942 WSCD 92.9 MN Duluth, NPR feeds

2000 KNXR 97.5 MN Rochester
 2010 KQIC 102.5 MN Willmar
 2016 KREY 102.1 MN St. Paul
 2018-2055? things get severely jammed!!
 3 to 6 stns on each freq.! FM going berserk!
 2057 KCLD 104.7 MN St. Cloud
 2059 KQRN 107.3 SD Mitchell
 2116 KYSM 103.3 SD Mankato
 2127 KQRS 92.5 MN Minneapolis, "KQ-92"
 2147 KYTN 94.7 ND Grand Forks
 2250 KEZO 92.3 NE Omaha, "Z-92"
 2252 KMGK 92.9 NE Scottsbluff
 2310 The super skip opening is out!!!
 finally, tired from all of this 11 hour dxing
 phew...thank's for the call John Buehler, OH

7/26

0932 KKNG 92.5 OK Oklahoma City
 0935 KBEZ 92.9 OK Tulsa
 1011 stuff out (While I was at our usually
 lousy 4H Wood County fair, ND tries to call me
 to let me in on RJR 90.5 Jamaica!-DAMN!! what
 stupid luck, anyway RE didn't notice anything
 out of the ordinary so I don't know.)
 7/28
 2008 KYKR 93.3 TX Port Arthur
 2010 KHYS 98.5 TX Port Arthur
 2011-2100 several unIDs but f/out by 2100

7/31

1147 WQXE 100.1 KY Elizabethtown
 1150 WAKQ 101.1 KY Russellville \$
 1155 WLAP 94.5 KY Louisville
 1158 WMC 99.7 TN Memphis, 570 mi. tr, \$ too!
 1215 WSKV 104.9 KY Stanton, all out by 1330

8/1

1845 UNID 90.3 in SS, 2032 I get a call from
 ND saying RJR 90.5 is back in but I don't hear
 it. DAMN-not a sign of 'em, maybe under WDUQ.
 8/4
 0005 CJBXt 92.7 ON London, "BX-93" k

Hello there! This is turning out to be pretty fair skip season. The July 17 opening was the most intense I have ever experienced to date. Naturally heard Hauser on RCI mention the MUF hit 186 MHz for a period.

Well, my "satellite screwup" was confirmed for me while I was down in Charleston, WV. That special feed I heard was PBS, not CNN.

Celebrated the 4th with the people at WQBE 97.5 at their remote site. Yours truly got some interesting and exciting photos, etc. Got some promotional stuff while I was there, so if anyone wants stickers from this area, feel free to write me stating your requests. I have tons of WIBEZ stickers and WKYG so no problem. I would also like to trade for some of your area station stickers as well. I also would like to thank all of you who continue to write to me and call me as well. Anyone want any WKYG T-shirts? For \$5.00 you can't beat it! Just let me know how many you want, and I'll do the rest. (Do we have choice of size? DB)

It seems as though some people out there don't believe that Neil Dickerson received a \$6.00 in postage on a package..trust me he did.

Wishing to each and all the best of DXing!! Sincerely yours, RBC

Hank Holbrook, 7211 Chestnut St., Chevy Chase, MD 20015 EDT

Equip: Scott 310E FM tuner w/Blonder-Tongue FM booster, Finco 10 elem. single bay FM yagi w/CDE rotor.

Last month I decried the fact that in the past couple of years FM DX had been very poor when I was able to get down to the cottage to DX. Guess it's just a case of being in the right place at the right time. Spent the week of 7/14/80 on vacation and the following logged and reported at our cottage at Fair Haven Cliffs, MD, overlooking the Herring and Chesapeake bays 15 miles below Annapolis, MD!

(begins next page...)

7/15 tr
 1240 WKQV 92.1 NJ Vineland, ex WDWL 95
 7/16 tr, Es
 0016 WWUU 107.1 NJ Long Branch, ex WRLB 165
 2107 WBRN 90.3 NF Marystown, 1st NF 1180
 7/17 Es
 1255 KCSC 90.1 OK Edmond 1180
 (Good but then covered by KERA, already
 QSLd, which dominated channel rest of day.)
 1345 KKAJ 95.7 OK Ardmore 1185
 1414 KTEN 93.3 OK Ada 1135

John Jefferson, 4016 Crest Ct., Pleasanton, CA 94566

1/21-80 ms (new underlined, new to Pleasanton starred)
 0430 KWDE 96.1 CO Montrose, ID 740
 2/26 ms
 0325 CJAZ 92.1 BC Vancouver, gave 820
 xmitter site o/test tone
 3/22 ms
 0425*KZZP 104.7 AZ Mesa 630
 "Good morning Phoenix..."
 4/26 ms
 0944 KXKQ 94.1 AZ Safford, ID 775
 4/29 tr
 1200 KLES 104.7 CA Los Banos, ID, new fq 90

5/29 Es

0915 KWGA 95.1 MN Worthington, ad 1390
 0925 KLVJ 92.1 SD Huron, ID 1285
 0927 KLOH 98.7 MN Pipestone, ads 1380
 0930 KJAM 103.1 SD Madison, ID at 0940
 0935 KOLL 93.5 WY Gillette, ad 945
 0936 KSDZ 95.5 NE Gordon, ID 1056
 0940 KLOV 104.7 SD Sioux Falls, wx, ID 1370
 0947 KRSW? 91.7 MN Worthington, MFR nx
 0953 KGGG 100.3 SD Rapid City, "KG-100"
 1000 ??? 93.3 ? ad for Sonora Real
 Estate in Laurel
 1005 KYYY 92.9 ND Bismarck, "Y-93" 1230
 1005 KOLY 99.5 SD Mobridge, ID 1210
 1010 KOLL 93.5 WY Gillette, WY wx, 945
 "93 Rock"
 1015*KIZZ 93.7 ND Minot, local ad 1260
 1022 KMIT 105.9 SD Mitchell, local ad,
 (ID at 1040) 1285
 1030 KIXX 96.1 SD Watertown, local ad
 1035 KDLO 96.9 SD Watertown, ID 1340
 1058 KQAA 94.9 SD Aberdeen 1240

6/15 Es

1330*KSNM 95.5 NM Santa Fe, loc. ann. 890
 6/16 Es
 1205*KNFM 92.3 TX Midland, ID 1175
 1217 KHIZ 97.1 NM Roswell, ID 1040
 1220*EWGO 99.5 TX Lubbock, ID 1160
 (in Spanish)
 1221*KLYT 88.3 NM Albuquerque, "K-Light"
 1230 KYTX 98.7 TX Amarillo, "KY-99" 1115
 1248 KQIZ 93.1 TX Amarillo, "Z-93"
 1250 KWHW 93.5 OK Altus, ID 1235
 1255 KQZT 105.9 OK Hobart, "KQ-106" ads
 1259 KXIT 95.9 TX Dalhart, ID 1045
 1300 KMRE 95.3 TX Dumas 1090
 1315 KSIW 93.5 OK Woodward, ad 1200
 1330 KEZS 105.5 KS Liberal, ID 1105
 1333*KAVI 95.9 CO Rocky Ford, ID 980

6/15 Es

1330*KSNM 95.5 NM Santa Fe, loc. ann. 890
 6/19 Es
 0950 KYEZ 93.7 KS Salina, "Z-94, wx 1310
 0951 KICT 95.1 KS Wichita, local ad 1315
 1000 KZED 93.5 KS Wellington, ID 1315
 6/26 Es
 1955 KUWR 91.9 WY Laramie, ID 900
 2005 KNID 96.9 OK Enid, ID 1320
 2040 KATP 100.5 OK Oklahoma City
 "Okie City" wx 1355
 2041 KXXY 96.1 OK Oklahoma City
 station promo, verified by phone 1355
 2045 KCSC 90.1 OK Edmond, ID 1355
 2058*KDKQ 104.3 TX Berger, "Q-104", wx 1145
 2105 KXXX 105.5 OK Chickasha, s/off 1340

7/18 Es

0645 KUER 90.1 UT Salt Lake City, ID 560
 1000*KLBK 94.5 TX Lubbock, ID 1150
 1005*KLLL 96.3 TX Lubbock, ID 1150
 1007 KEAN 105.1 TX Abilene, local refs. 1275
 1023 KJAK 92.7 TX Slaton, ID 1160
 7/20 Es
 1515 KGRE 92.5 CO Greeley, ID, new freq. 930
 1530*KVOD 99.5 CO Denver, c 915
 1542*KOSI 101.1 CO Denver, ID
 1600 KRKY 92.1 CO Castle Rock, ID 920
 1601 KADX 105.1 Denver, ID also*KLIR in 915
 1605*KSPN 97.7 CO Aspen, Aspen nx 815

cont.

SOUTHERN FM DX

Jefferson, cont.

SEPTEMBER, 1980

7/20 Es
1607***KWBI** 91.1 CO Morrison, nx 915
1623 **KILO** 93.9 CO Colorado Springs, ID "
1640 **KCCY** 97.9 CO Pueblo, ID 935
1730***KRWN** 92.9 NM Farmington, ID 750

7/22 Es
0645 **KBIL** 92.9 TX San Angelo, ID 1285
1848 ? 90.9 AT Couetts? CBC AM net
0912 **CBYG** 91.5 BC Prince George, 1140
CBC Br. Col. (phone verie from CBU-AM)
0923 **CKO5** 103.1 AT Calgary, CKO nx 1025

7/22 Es
0927 **CHFM** 95.9 AT Calgary, ID 1025
0929 **CJAY** 92.1 AT Calgary, pea & "CJ-92"
0931 **CKRA** 96.3 AT Edmonton, loc. ann., "FM96"
0935 **CKO6** 101.9 AT Edmonton, CKO nx 1175
0936 **CIRK** 97.3 AT Edmonton, ads 1175
"Circuit" program

7/24 Es
2000 **CFMQ** 92.1 SA Regina, ID o/CJAY 1240
7/25 Es
1012 **KMUW** 89.1 KS Wichita, ID, wx 1315
7/28 ms
0150 ? 96.1 96-Rock, DJ Dan Herrera

CFMQ gives me a new political unit, the first since Wyoming, in 6/77. And yes, it was in on top of what had to be CJAY Calgary (no ID, but music was right, and Calgary was in on TV at the time). Strange. And howabout that 6/19 segue from Laramie, WY to Oklahoma in a 5 minute span? Had just gotten home from work, so may have missed most of a big one. Almost all of above done with new Winegard CH-6065 FM antenna 15' up. Bought it in late '79 to replace old SC-650 when the latter's elements began to blow out of position in the wind. Plastic braces were shot. As always, the tuner was the old Heathkit AJ-15, now in its 12th year.

That 93.3 unID from 5/29 baffled me. KSJM Jamestown, ND seemed obvious, but they didn't know of any such sponsor. KYIA Billings is near a Laurel, but there's no Sornora Realty there. The 96.1 unid should be identifiable once I get the new FM Atlas and figure out who is 96-Rock. Hoped to go over 500 by mid-season, but the total sits at 498.

John "Khush" Hart adds:

Note: on calculating distances from home QTH: Carlin, Nevada at 40-43N, 116-6W
Distances in report taken directly from the Computer generated great circle bearing chart giving short path miles/kilometers bearing and retro-bearing from the above given for 660 world wide locations, available from Bill Johnston, NSKR, 1808 Pomona Dr., Las Cruces, NM 88001 for \$2 3rd class mail, \$2.50 1st class. (He didn't ask me to advertize for him, hi!)
For in-between points estimates are made from the above. 73s

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74074 CDT July-Aug.

Equip.: Pioneer TX-9100 tuner, Antennacraft 10 el. up at 30 ft. with rotor

7/13 tr
0040 **WQUE** 93.3 LA New Orleans, ID, nx
0045 **WBYU** 95.7 LA New Orleans, ID 595
"Bayou \$" (both quite weak)

7/17 Es
1650 **WHWL** 95.7 MI Marquette
1659 **WYSU** 88.5 OH Youngstown 970
1715 **WBEA** 107.3 OH Elyria, ID
1716 **WAMO** 105.9 PA Pittsburgh, ID 990
1722 **WRKY** 103.5 OH Steubenville, ID
1727 **CFLY** 98.3 ON Kingston, "Y-98" 1220
1732 **WSEN** 92.1 NY Baldwinsville
1735 **CKOT** 101.3 ON Tillsonburg
1746 **WDBN** 94.9 OH Medina, ad, ID
1830 **CJFM** 95.9 PQ Montreal, ID 1440
1832 **WJOI** 93.1 PA Pittsburgh, ID
1836 **WKWK** 97.3 WV Wheeling, "WKFM"
1850 **WEZO** 101.3 NY Rochester, ad
1855 **WVOR** 100.5 NY Rochester, ad
1856 **CFLY** 98.3 ON Kingston
1859 **WKSU** 89.7 OH Kent
1859 **MGUC** 90.9 OH Cincinnati, ID
1905 **CING** 107.9 ON Burlington, nx, wx
1908 **WJZT** 105.9 MI Detroit, j
1916 **CJET** 101.1 ON Smith Falls, mentioned
that CJET was sister station of CKUE and
frequently ided as CKUE
1922 **WKW** 106.5 WV Clarksburg, ID k
1936 **WCLG** 100.1 WV Morgantown, ad
1940 **WWWW** 106.7 MI Detroit
WMZQ 98.7 DC Washington

7/17 Es
1946 **WJYE** 96.1 NY Buffalo
1954 **WTWR** 92.3 MI Detroit, "Tower 92"
1959 **CJRT** 91.1 ON Toronto, c, ID
2005 **WFLS** 93.3 VA Fredericksburg
2022 **CKO1** 106.9 ON Ottawa
2024 **CILQ** 107.1 ON Toronto, ad "Q107"
2030 **WMUZ** 103.5 MI Detroit, g
2031 **CFNY** 102.1 ON Brampton, ID
2040 **CHUM** 104.5 ON Toronto
2050 **WNIC** 100.3 MI Dearborn-Detroit
2058 **CKNX** 101.7 ON Wingham, ad
2104 **CKFM** 99.9 ON Toronto
2114 **CKGM** 105.1 ON Peterborough 1140
2115 **WLEN** 103.9 MI Adrian, ID 805
2125 **WHDG** 103.7 MD Havrea de Grace, ID
2129 **WWDG** 101.1 DC Washington, "DC-101" 1105
2204 **CBM** 93.5 PQ Montreal, "CBC" 1440
2207 **CHAY** 93.1 ON Barrie, nx 1040
2216 **CFMP** 101.5 ON Peterborough, ad 1140

7/19 tr
1330 **KBK** 107.3 MO Lexington, ads, k 280
1334 **KAOL** 101.1 MO Carrollton, ID 305

7/21 tr
1200 **KELE** 100.1 MO Aurora, ID 195
1206 **KMOE** 92.1 MO Butler, wx, ad 210

7/23 tr
1935 **KRDF** 98.3 TX Spearman, ABC nx, ID
cont.

SOUTHERN FM DX

Buntin, cont.

SEPTEMBER, 1980

7/26 Es
0900 **WFLS** 93.3 VA Fredericksburg 1060
0900 **WPFW** 89.3 DC Washington 1105
0905 **WASH** 97.1 DC Washington, wx
0935 **WMPF** 88.1 SC Sumter
0936 **WPXI** 95.1 SC Charleston 1030
0938 **WZZW** 103.1 GA Augusta, ID 890
0941 **WBAW** 101.7 SC Barnwell, ad
0944 **WJBW** 103.1 SC Hampton
0946 **WDZD** 93.5 NC Shallotte, ID
0954 **WFOX** 97.1 GA Gainesville 965
0955 **WBEU** 98.7 SC Beaufort
0957 **WCEW** 90.9 SC Charleston
1000 **WXTC** 96.9 SC Charleston 1035
1003 **WJCT** 89.9 FL Jacksonville 990
1005 **WAPT** 101.1 GA Valdosta
1017 **WDBO** 92.3 FL Orlando, ID, m 1070
1021 **WGYL** 93.5 FL Vero Beach
1030 **WVFM** 94.1 FL Lakeland
1032 **WFLA** 93.3 FL Tampa 1040

7/26 Es cont.
1045 **WSRZ** 102.5 FL Sarasota 1060
1047 **WLYF** 101.5 FL Miami 1230
1049 **WQIK** 99.1 FL Jacksonville 990
1108 **WCKS** 101.1 FL Cocoa Beach 1110
1116 **WRNB** 89.3 FL Boynton Beach
1118 **WHRS** 90.7 FL Boynton Beach, ID

7/28 Es
2025 **WINZ** 94.9 FL Miami Beach, ad, "Zeta 4"
2030 **WKQS** 99.9 FL Boca Raton, wx, ID, m
2201 **WGH** 97.3 VA Newport News, ID, c-
2214 **WFVA** 95.3 VA Petersburg, ID, k

7/30 tr
0931 **KRGK** 104.9 MO Carthage, ID, nx, \$ 170
1003 **KCTO** 103.1 LA Columbia, ID, g, 400
"Gospel 103", weak
1027 **KNIF** 95.3 TX Gilmer, ad, ID at 1031
Other stns in, relogs, from ne TX, nw LA on
up to north central MO and KS City well in.

The July 17 Es was a dandy, but the June 18 super Es was a good deal better in my case. Totals have now swelled to 1150 from 477 states. Tr conditions really wound down since mid July, and former Hurricane Allen along with a front in the area have not helped things to any noteworthy extent as of this writing. WHOM of Mt. Washington, NH at 1470 miles is actually my furthest Es catch, not Edmonton, Canada as indicated last month. It sure has been a great season in these parts. I guess those atmospheric gremlins who delight in throwing monkey wrenches in the great DX machines in the sky had to take a breather, hi.

I noticed in one or two reports that out of date call letters were listed. I didn't have time to check and correct old call letters with this being the 2nd biggest SFM ever. Surely by now, every FM DXer should be using the newest FM Atlas.

My thanks goes to Bob Seybold, host, and those who participated in the '80 WTFDA convention, which I attended. Until next month, 73. DB

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

EASTERN TV DX (continued from page 18)

June 20, 1910 Dean Martin western movie on 4, 1914 Reinker's ad, 1201 W. Walsh; Keskus (?) County Fair, 1918 end of adstring! from Thunder Bay, 1927 CHFD-4 Big Movie slide; awful big bunches of ads every few minutes; thank god for NAB 1932 on 3, Porcupine Mall and South Porcupine ad=nice clues, who can ID? 1959 WJMN-3 Escanaba MI ID. June 22, 2112, Odessa ads in Big 2 News (and weather), so KMD Midland TX. 2128 Big 2 News Update, 2130 into Tales of the Unexpected (a very good syndicated series--watch for it!). 2137 Great Bend J.C. Penney so KCKT-2. June 28, "Canada" ad same offset, same direction as WRGB-3, so Mexico (where Canada is a brand of shoe); 1601 net-13 ID on 4, so Merida, Yucatan likely; 1608 on 4 ABC Wide World of Sports. 1635, on 3, full color bars, about 15 kHz offset to WRGB, still going at 1650, 1700. 1729 KDHL-3 Duluth MN ID. 1731 on 3, CBC sports opening; 1758 CBC French NNW, 1759 CBWFT ID. 1830 KXJB-4 ID. 1800 and afterwards "FH" or Food for the Hungry program with 800 number, Arizona address, on ch. 4. 1931 KDLO-FM-97 promo on 3, so KDLO SD; 2000 on 3, Keloland Newsbreak.

July. Finally some tropo! July 7, 2205 CBS on 2 with WV political ad! No 2s there, so I think it must have been KDKA Pittsburgh PA, which gets into parts of WV. WSAZ-3 WV in; At 2222 on 2 (!) a non-net movie, so Pittsburgh's indie; at 2223 on 2, an ad for something in Dalton GA, but I still think KDKA; 2228 on 22, Mickey Mouse Disco, Pittsburgh; 53, movie, Pgh's other indie; 2234 on 40, news, Pittsburgh stock market, that other new suburban indie I've reported before. Also at 2234, NBC to W/SW, likely WOWL-15 Florence AL. At 2241 noted ABC to north on 12, same offset as WDEF; WBOY Clarksburg WV likely; and CBS-8, WCHS Charleston WV likely. At 2300 on 22, Super Pittsburgh ID. 2301 on 7, Wheeling mailorder, so WTRF. July 15, 2100 WDBJ-7 Roanoke VA in all evening; also PBS-15, so WBRA. Around this time my rotor control on the UHF antenna conked out after a very close lightning strike. July 18, big highband Es opening, see above. July 22, 2100 CKOS-3 ID; 2234 WLBZ-2 ID over WNGE semilocal. July 28 2200, KDUR-4 NE with Newsline Update; PBS-3 in earlier.

IN SEARCH OF PSB

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

IN SEARCH OF PSB.....This month's feature will focus in on the Maryland State Department of Natural Resources fire and parks frequency network. I am sure this will be helpful in at least Maryland. Lack of other material makes this necessary.

Maryland Department of Natural Resources

151.46 Channel 1 Fire Operations
151.325 Channel 2 Park Rangers and Operations

East Caroline, Somerset, Wicomico, Worcester

West Allegheny, Fredrick, Garrett, Washington

East + West Regions

151.355 Channel 4 Fire Operations
151.415 Channel 5 Park Operations and Services

North Baltimore, Cecil, Harford

North Region

151.25 Channel 6 Fire Operations
151.31 Channel 7 Park Rangers and Operations

South Anne Arundel, Calvert, Charles, Howard, Prince Georges, St. Marys

South Region

Location	Frequency	Call
Dares Beach	151.31	KUD 718
Annapolis	151.31	KJP 531
Catonsville	151.31	KGH 411
Florence	151.31	KZO 350
Germentown	151.31	KQP 646
Jonestown	151.31	KPI 531
Laurel	151.31	KJP 530
Leonardtown	151.31	KDX 420
Lusby	151.31	KZO 351
Marriottsville	151.31	KAQ 782
Point Lookout	151.31	KJP 532
Rison	151.31	KQP 642
State Forest	151.31	KDS 643
Anne Arundel County	151.325	KGA 540
Berlin	151.325	KJP 525
Big Pool	151.325	KQP 649
Burkittsville	151.325	KTS 632
Gettysburg Furnace	151.325	KRM 935
Crisfield	151.325	KQP 643
Cumberland	151.325	KXK 338
Denton	151.325	KQP 645
Fredrick	151.325	KBU 666
Fredrick	151.325	KGA 556

Grantsville	151.325	KRP 883
Milburn Landing	151.325	KWF 683
Mount Lena	151.325	KJP 650
Oakland	151.325	KRM 934
Oakland	151.325	KRU 978
Queen Annes	151.325	KZE 767
Snow Hill	151.325	KJP 524
Thayerville	151.325	KGA 544
Thurmont	151.325	KKL 501
Chevy Chase	151.34	KXX 541
Baltimore	151.355	KGA 548
Bel Air	151.355	KJP 528
Chestertown	151.355	KIA 918
Elkton	151.355	KZJ 887
Ellicott City	151.355	KGA 539
Madonna	151.355	KGA 548
Northeast	151.355	KGA 553
Chase	151.415	KJP 526
Cub Hill	151.415	KVV 861
Elkton	151.415	KZJ 887
Forest Hill	151.415	KLW 353
Level	151.415	KWF 935
Northeast	151.415	KDK 778
Anne Arundel County	151.355	KGA 540
Bel Air	151.415	KJP 528
Madonna	151.415	KGA 548

Recent research of microfiche at Washington, DC revealed some interesting selections:

Pan American Airways	460.65	KXI 372	Baltimore
Allegheny Airways	460.70	KJY 412	Baltimore
Eastern Airlines	460.75	KLN 592	Baltimore
American Airlines	460.775	KUN 410	Baltimore

Airline Operations

Baltimore Alarm & Security	461.025	KYC 885	Baltimore
Hetzog Auckerman Investigations	461.025	KYZ 264	Baltimore
Century Investigations	461.125	WZE 964	Baltimore
Independent Investigations	461.15	KUV 395	Riesterstown
Industrial Security Systems & Services	461.175	KKS 650	Columbia
Harsh Investigative	461.20	KKP 533	Hagerstown
McQuire Security	461.275	KYW 610	Lanham
Liberty Detective	461.425	KCN 378	Baltimore
John Hopkins Hospital	461.775	WXJ 233	Baltimore
Howard Security	461.875	KZJ 831	Columbia
Security Administration Services Company	461.975	KXS 784	Baltimore
Howard Security	461.975	KGC 422	Columbia

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C.C.I. [UNIDENTIFIED DX]

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

September, 1980

TV unID's

Bill Fahber 336 Atlantic Street Bridgeton, NJ 08302

1980 unID's

Thu Jun 19 Es	ch 3 1559 EDT--"Somerset Maughnum" in fancy print
	ch 3 1600 EDT--promo for "M*A*S*H*" 6:30 PM Mon-Sat
PTA:Kansas	ch 3 1608 EDT--"Gilligan's Island"
	ch 3 1608 EDT--"M*A*S*H*"
	ch 2 1612 EDT--"Bonanza"
Fri Jun 20 Es	ch 2 1901 EDT--"Dick Cavett Show"
PTA:Nebraska	ch 2 1900 EDT--"Oral Roberts Special"
	ch 2 2204 EDT--"Gibsons Discount" ad
Sun Jul 6 Es	ch 2 1100 EDT--"Old Time Gospel Hour"
PTA:NE,SD,MN	ch 4 1213 EDT--old "Superman" series
	ch 2 1248 EDT--Circle-wedge TP (Most likely KGFE- SL)
Mon Jul 7 Es	ch 2 1828 EDT--end "Dick Cavett"
PTA:IA,OK,MO	ch 3 1831 EDT--"Allen's" Ad-Ø offset
	ch 2 1833 EDT--"Tic Tac Dough" + offset
	ch 2 1957 EDT--"Eusche Subaru" ad
Thu Jul 10 Es	ch 2 1818 EDT--"Zoom"
	ch 3 1839 EDT--"M*A*S*H*"
PTA:IA,OK	ch 3 1844 EDT--"Tic Tac Dough" + or - offset
	ch 4 1847 EDT--"PM Magazine"
	ch 2 1848 EDT--"Happy Days" reruns
Tue Jul 15 Tr	ch 56 0109 EDT--Spanish station-same program as WXTV (This is a new SIN translator in Wash- ington, DC- SL)
	ch 63 0700 EDT--Faint trace, but definitely a signal (Probably the WAVY-10 xltr in Craddocks- ville, VA- SL)
Thu Jul 17 Es	ch 3 1708 EDT--"Adam-12"
	ch 3 1710 EDT--"Muppet Snow"
	ch 5 1716 EDT--"Hogans Heroes"
	ch 4 1719 EDT--"Mary Tyler Moore"
PTA:MN,MO,SD, NE	ch 6 1736 EDT--news, Paul Long reporting - offset
	ch 6 1801 EDT--"The Big News"
	ch 6 1829 EDT--"Andy Griffith"
	ch 2 1830 EDT--begin "Macneil-Lehrer Report"
	ch 2 2040 EDT--"Buffalo Bill and the Indians" movie
	ch 5 2220 EDT--"Newscenter 5"
Sat Jul 19 Es	ch 2 2339 EDT--"700 Club"
Fri Jul 25 Es	ch 2 2200 EDT--begin "Dick Cavett Show" + offset
	ch 4 2214 EDT--ad "Red Lobster, for the seafood lover in you" poss. KTIV or WBBF
PTA:OK,NE	ch 5 2230 EDT--see drawing
	ch 3 2358 EDT--wrestling match

NEWSFIVE
5 TV

Sat Jul 26 Es ch 2 0907 EDT--"Sesame Street" poss. KETS

Christopher Hanley 1125 Bolton Street Winston-Salem, NC 27103

1980 unID's

Tue Jul 8 Es	ch 4 2119 EDT--ATV ad, CFL highlights (likely CJCB in Sydney, NS- SL)
	ch 2 2300 EDT--NBC logo followed by "Newscenter" at top of screen-WLBZ?
Sat Jul 20 Tr	ch 3 0231 EDT--"Don Kirshner's Rock Concert" ads for NASA Space Center tours and "PM Magazine" with Bert ___ and Marcia Bradley
Sat Jul 27 Es	ch 2 0730-0830 EDT--Recurrent logo-"2 Country Kidsworld"

C.C.I.

September, 1980

Randy Miltier 1068 Fairview Avenue San Jose, CA 95125
1980 unID's

Mon Jun 16 Es	ch 6 1341 PDT--"Donahue"
	ch 4 1400 PDT--ad "American Furniture Warehouse"
Sat Jun 28 Es	ch 4 0615 PDT--cartoon program

TV Id's

Robert Grant

1979

Sat Jun 2 Tr ch 9 0700 EDT--"Mid-Canada Television" slide

Id'ed as CKNC-9, Sudbury, ON

Sat Jun 30 Es ch 3 1300 EDT--ATV slide

Saul Chernos doubts that this is CKLT, probably CJOX. (I think CJOX is affiliated with the Newfoundland Broadcasting Company, if it is also a member of ATV, I'm not sure. Does anyone have an up-to-date ATV station list?- SL)

1980

Mon Jan 7 Es ch 3 1155 EDT--"Mr. Dressup"

This program is only on CBC. (So maybe CBHT- SL)

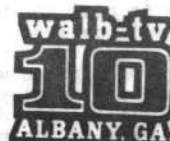
Above Id's sent in by Saul Chernos.

Mark and I would like to thank Bob Seybold for a great convention, Fred McCormack for forwarding Randy Miltier's unID's, and Les Prus for more help with TV Guides.

Please try to report using the same format you see in the column. Be sure to include day of the week.

Good DX to all,

Scott & Mark



PHOTOGRAPHING TV DX

USING A

PRIMITIVE CAMERA

by ROBERT KRAMER

Many of you may have desired to photograph your TV DX, but due to the fear that your camera may not produce the results you would like, or to poor results in past tries, you let that DX go by without pictures. Actually any camera, even that old instamatic Aunt Martha (or your family's equivalent) gave you when you graduated from the 8th grade will work. All the camera needs is a flash attachment or built in flash. All cameras (which have no user adjustments) use a shutter speed of 1/30th of a second for flash pictures. This is the same speed as the TV screen scan (1 full image every 30th of a second). This means that your camera will take a full image. All you need to do is put a used flash cube in the built in flash (or flash bulb in the flash attachment). Do not use a good bulb or cube; this will cause a reflection off the TV screen, resulting in a big white blotch in the middle of the picture. Some cameras have a manual adjustment for taking flash pictures. If it does, a used cube is not necessary. Look for such things as "Flash" "F" or "B" around the lens of the camera (be careful that it doesn't say "f", which is how the lens opening is measured). If your camera adjusts, just flip the switch to the flash position and shoot away.

When photographing TV DX with a camera of the type described above, be about 3-5 feet away from the TV set when shooting photos. The reason for this is the camera is not able to focus in closer. It's what we call fixed focus. Because of the lack of focus adjustment, your pictures may not be completely sharp, but they will for the most part be satisfactory. Only the smallest call letters should be unreadable (those are hard for a 35 mm camera to get sharp). You may want to try a close-up attachment to get clearer pictures. Try a large camera store in your area. The cost is very low (about \$2 or so).

The biggest problem you are likely to come across in TV photography is in getting the pictures developed. Nearly every commercial photo lab (Photomat, the neighborhood drug store, etc.) processes the film according to the specifications of the manufacturer. Thus, Verichrome Pan (B&W) film will be processed in D-76 developer at 7 minutes. For normal film this would produce good results. However, TV shots taken with a primitive camera are greatly under exposed, due to the small lens opening on the camera. This means your negatives will be very thin (almost clear, very light, no contrast, very little detail. When it gets to the automatic printer (usually computerized), the negative will be rejected and no print will be made (or probably could be). What is needed is custom processing. This is why I started Tele-Photo Custom Lab. For a price well below a commercial lab, we develop the film using a special developer and varying the development times according to the needs of the individual DXer (through the use of a couple of test rolls). This is not meant to be an advertisement for my photo service. You may try your local drug store,

PHOTOGRAPHING TV DX USING A PRIMITIVE CAMERA

but I think you'll find the results much as I described them (by the way, I only can process B&W film). For more info on TV DX photos, write to me at

Robert Kramer
4639 N. Albany
Chicago, IL 60625

If you're interested in having me do your processing, shoot a couple of test rolls (non 35 mm users). If there are any prints you want made, tell me which negatives and I will make them and bill you for these only. The test rolls are developed free (as are any photos that will be used for publication in VUD).

Some Tips for TV DX Photography

1. Make sure your camera is loaded properly. For 35 mm users, check to see that the take up reel has caught (if you aren't sure, it can be checked by taking the camera into a completely dark room, such as a closet. When you open the camera, the numbering will get messed up, but just remember what shot you were on when you opened the camera and add that to what your frame number says when you continue shooting. If it wasn't loaded properly, reload and move it up an extra frame or two--you probably lost the first two shots to multiple exposure). For instamatic and other camera type users, check the number of the exposures shot (in the window where the film number shows). If the number keeps going up, then the film is loaded properly. If not, reload.
2. Take your photos only in a completely darkened room. Don't have any lights on. This causes a reflection off the TV screen.
3. For 35 mm users, don't rely on a photo meter. Shoot all TV DX photos at f8, 1/30th of a second and use Tri-X or a 400 ASA film.
4. Have a minimum of 100 shots in extra film. You never know when a big opening will happen, and you don't want to be without film.
5. Shoot more than one shot of an ID slide. You will find (especially if you are using a cheaper camera) that some will come out with more sharpness and detail than others. This even happens with 35 mm.
6. Submit your pictures to PHOTO NEWS. Everybody wants to see them.

TECHNICAL TOPICS



Q: "This may sound crazy, but my FM DX antenna seems to work well on high-band VHF TV. In fact, it seems to be even hotter on channels 7-13 than an all-channel antenna that I have compared with it. Why?"

A: Many DXers have noticed that the best FM antennas also are quite good on channels 7 through 13. The FM broadcast band frequencies from 88 to 108 MHz are the basic reason for this. If you double this frequency range, you come up with most of the 174 to 216 MHz highband TV spectrum, and thus, a very close relationship. The basis for any good FM DX antenna would be a half-wavelength in the 88 to 108 MHz range; in addition to being resonant around this wavelength, the antenna also exhibits resonance at twice the wavelength. Although it will not have as much gain when operating at twice the wavelength, it still may have more gain than a smaller antenna designed for highband VHF TV. It's not uncommon for a ten element FM yagi to show as much as 6 db of gain in the middle of the highband VHF TV range--much more gain than can be found on some of the cheaper "all-channel" antennas, which always have to compromise gain in favor of wide frequency coverage. Two stacked ten element FM antennas may produce results equal to or better than that of a single highband VHF TV antenna--so if you stack antennas for FM DX, you may also have a good array for highband TV DX.

Q: "I don't see too many FM DXers listing preamps along with their DX gear in VUD. Can you recommend models that give good DX results, such as the UHF low-noise amps used by UHF TV DXers?"

A: The reason that TV DXers like to use low-noise preamps (antenna mounted) for UHF is the fact that UHF TV tuners are not very sensitive, when compared to the average FM tuner. With a good FM tuner, you don't have to worry about the noise figure or gain of the receiver--all you need is a good antenna. In fact, using a broadband antenna-mounted preamp for FM isn't a very good idea in areas with FM locals; your receiver is likely to be so good to begin with, the added local signal from the preamp will just cause overload and cross-modulation problems in places where you never had them before. Unless you live in an area with no local FM, using a broadband preamp is not advisable--unless you have an unusually long run of lead-in. If you want to use a preamp for FM DX, shop around carefully--for DXing purposes, you want a unit which will have a noise figure lower than that of your tuner. Contrary to what many DXers think, the noise figure--and not the gain--is the more important consideration.

Q: "The signal strength meter on my FM receiver is calibrated 0 to 10. The weaker, fluttery signals barely move the needle, and the locals all peg the needle, most semilocals are 7 to 9. Do these numbers have any relation to actual signal strength?"

A: The signal meters on most FM receivers are merely relative signal strength meters--nothing more. There's no real industry standard for these meters, so no two are likely to agree on models made by different manufacturers. Some units have scales of 1 to 5, 0 to 5, 1 to 10, etc. What could be of use to the FM DXer would be a communications receiver type "S-meter"--but no two of these are alike either. Still, such a meter on an FM DX rig could be of use if calibrated in db--that would come in handy when comparing antenna gain, checking front-to-back ratio, etc. Communications receiver S-meters usually reach "S9" at some point around mid-scale, and then are marked in db increments. You can learn to expect a certain level of signal from your semi-local stations under "deadband" conditions, and compare it with improving DX conditions--but remember, all the meter is showing you is relative signal level. You don't need a meter to tell you when a DX station sounds like a local!

CAD X

Announcing the reformation of CADX (Chicago Area DXers). After nearly 7 years, the club that served the world's DX center is being revived. We will devote ourselves to SWBC, BCB, & TV, with a possibility of FM. The upper Hz section is being handled by none other than WTFDA's own Robert Kramer. In addition, Karl Forth will handle BCB, and the SWBC sections will be handled by an internationally renowned DX staff. The club will be restricted to members living within 150 miles of Chicago. In addition to featuring the outstanding loggings of some of the world's top DXers, there also will be articles about DX topics, with specific applications to the Chicago area. That is the advantage of a local club, we can write our articles and gear our columns to every member. Additionally, our two commercial artists and photo features (by staff photographer Robert Kramer) will make this the best DX publication in the world. The amazing thing, the first two issues are free. That's right, F-R-E-E. All we ask in return is that you contribute regularly. After the first two issues, contributors will be invited to join, noncontributors will not. So, do you live in the Chicago area and want to receive a top notch, professional publication? Then write to Robert Kramer now.

Address inquiries to:

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The first issue goes out 9/15. The Publisher is Mike Nikolich, internationally renowned SWBC DXer, with nearly 200 countries logged.

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