



# MAILBOX

John Zondlo  
1802 N. Rockwell  
Apt. 107  
Bethany, OK 73008  
(405) 787-3717  
Deadline: 10th

#### New Members:

Marvyn Carlson	820 67 Ave. SW, Apt. 207	Calgary, AB T2V 0M5
Ernie Cooper	5 Anthony St.	Provincetown, MA 02657
Barry Gardner	P.O. Box 1579	Grisson AFB, IN 46971
Ken Greenberg	4858 W. Lee	Skokie, IL 60077
Major Ron Hammer	821 Elisa Way	Roseville, CA 95678
Bob Hempel	P.O. Box 599	Manson, IA 50563
Alfred Naefken	1700 W. Aspen St.	Milwaukee, WI 53221
Richard Siegler	2342 Chippewa	Placentia, CA 92670
Robert A. Ubell	RR #4	Canton, IL 61520

#### Renewals:

Murray Bernstein, Andy Bolin, Jim Brann, Tim Cronin, Robert Goodman, Michel Guzzi, Robert Heckenlively, Jim Jennings, Leonard Jozwiak, Paul Kalisz, Rod O'Connor, John S. Phillips, William Smith, Steven Sprachman, Martin Theil, Adrian Thomas.

#### Address Changes:

Capt. Michael P. Hollis-191st ATC Co.-APO San Francisco, CA 96301  
David Legler-128 E. Magnetic St.-Marquette, MI 49855  
Mike Scheel-2333 W. 40th St.-Davenport, IA 52806  
John Sulak-675 Passaic Ave.-Nutley, NJ 07110

#### Renewals Due in August:

Jim Ayers, Dean Bianco, David Brumfield, Roosevelt Crawford, Al Ellis, Richard C. Evans, Joe Fela, Paul Gaines, Ron Ginardi, Steven Grimm, Robert Kramer, Robert Langridge, Jr., John Parillo, Paul Petosky, Don Ruland, Dave Wardell, Paul Wardell, Jim White, Craig K. Willard, Ron Wing.

The roundup of new members begins this month with MARVYN CARLSON. He's the part owner/manager of a wholesale radio firm. He's into BCB, SW, FM and utility DXing, belongs to SPEEDX and NASWA, and uses a Bearcat 220. Marvyn writes, "Presently relatively inactive DX-wise due to business pressures. I am extremely interested, however, and hope to resume activity after an impending move and once our business is better established." Much success, Marvyn!

Of all people I never figured would get into FM DXing is my old (and I don't mean that in terms of age, hi) friend ERNIE COOPER. ERC and NRC are virtually synonymous, as he's been editor of the Musings column for years and years and years. We'll have further details on this special new member in Tidbits.

KEN GREENBERG enjoys DXing the VHF-UHF PSB, and uses a Panasonic RF 1115. He's a high school teacher in the Chicago area.

Reagan-land new member RON HAMMER is a retired USAF officer/pilot, and is employed as a county real estate appraiser. DX interests include BCB, longwave, FM-TV and shortwave. He's also a member of LWCA, IRCA and NRC. Here's the roundup on his shack: for FM he uses a Pioneer QX-8000 receiver, and for TV he uses a 12" Sony Trinitron. Both units are fed to a Winegard Chromstar CH-8100 with rotor and 20' mast. For PSB he uses a Realistic Patrolman-50 connected to a Winegard SM-2200 omni-directional antenna. He says, "I've been DXing on and off for over 20 years, and am now having a great resurgence of interest here in the Sacramento, California, area."

BOB HEMPEL is a minister in the Hawkeye state. He's primarily into FM, with some interest in TV. Bob uses a Pioneer SX880 receiver and a Zenith Chromocolor II TV connected to a Zenith antenna using a Cornell-Dubilier rotor.

Also joining us this month from CA is RICHARD SIEGLER. Richard is a real estate salesman with an interest in BCB and TV DX. He uses an RCA XL100 25" TV.

Tidbits.....

As promised, we have a few words from new member Ernie Cooper: "You probably may have heard of me as the editor of Musings of The Members of NRC, which I've been doing for 34 years. I have just gotten interested in FM, and so - here I am!

I am 61, retired five years from the Federal Reserve Bank of New York, and moved to the tip of the Cape at Provincetown, MA, where AM & FM DX is great. I DXed for 42 years from Brooklyn, NY, for AM stations, and for five more here, and I've been tinkering with FM for about nine months. I have 13 states heard and verified, and one Canadian province (New Brunswick). I anxiously await the first E-skip or trop opening of the spring. My best verie is WKBB-100.9 West Point, Mississippi, 3 kw, heard last August.

I hope to contribute to your Northern FM column when I hear anything worth bragging about. I use an STA-52 Realistic receiver, a stereo, with a rooftop antenna with no rotor (yet). I got your sample VUD at the NRC Convention in 1979, in St. Louis - the one for July 1979, with the red cover - it's about time I acted upon it, isn't it? Lately with the FM ground wave extending out quite a way, my interest has rekindled, and so here I am!" Good to have you aboard, ERC!

Next up, a few lines from Greg Monti (1110 Fidler Lane, #1424, Silver Spring, MD 20910): "I recently purchased a BIC FM-8 Beam Box indoor FM antenna. I live in a high rise in an urban area, where private outdoor antennas are not allowed. Overloading and multipath are also FM problems. When I first hooked the unit up to my TX-9800 tuner, I was disappointed. It seemed to control the multipath and fading on some stations, but just made it worse on others. Plus, WWDC-FM 101.1 appeared in even more places on the dial. After a couple of days, I figured the problem was that I was using the 300-ohm ribbon cable supplied with the unit. It was unshielded and was picking up too much signal and distorting the pattern of the antenna. I bought a balun, and used 75-ohm coax instead. What an improvement! Stations appeared where there was only noise or a spur before. There are now 50 regular FM stations audible, virtually all in stereo, and I feel like I'm living in New York with the antenna and rotor on the roof again. Another thing I found was that when I used the 300-ohm cable, the directional control did not work as one would predict judging by the direction of the received station, plus it required different settings for daytime and nighttime (mild tropo). With the coax, the direction settings are consistent, as are the bandwidth and preselector tuning controls. I'd have to recommend the Beam Box for apartment and dormitory dwellers, although it won't outperform an outdoor antenna. I can't vouch for its performance with a lesser tuner, however. The 9800 is at the top of its line. 73's."

The following is a reprint of a press release received here from WTFDA comptroller Gary Olson: "Gary Olson has announced the formation of GO VIDEO SALES to represent video systems equipment manufacturers in Northern Illinois and Wisconsin. Olson was most recently National Sales Manager for NEC America Inc.'s Video and Security Products group. He has also served in district and regional positions with Panasonic, Sony, and TeleMaton during the past ten years. Effective May 1, 1980, GO VIDEO SALES is representing: Comprehensive Video Supply (video accessories), Echolab (video switchers), Edutron (time base correctors), Knox Video Products (character generators), Jatex (automatic editing control equipment), Panoak Lighting Systems and Supply, Peerless Sales (brackets, stands, mounts, and carts), Quick-Set (tripods, friction heads and dollies), RTS Systems (professional television intercoms), Sharp Professional Video Products (color camers and monitor/receivers), and Toyo Optics (lenses and optical systems)." Much success with your new venture, Gary!

Another reminder that if you're interested in being part of a WTFDA ham network, contact Craig Simons (413 Ridelle Ave., Toronto, ON M6B 1K3). Craig writes, "If a regularly scheduled 'net' was established (and maintained) it would be beneficial to the club and complimentary to the activities of the club. The net could be set up on 20 or 15m, as propagation is reliable on these bands and well suited for a continental net. The net would/could be listened to by SWL members (and non-members) and other hams. The club membership could resultantly increase. The opportunity of meeting club members over the air is very important. Some very interesting discussions could arise over equipment, current

(Simons, cont.) conditions, verifications, etc. Possibly we could get Bob Cooper, Jr., to give us a few helpful hints over the air and keep us posted on satellite news or whatever!"

And speaking of TVRO's, Craig comments, "I saw my first TVRO installation this past week. A local chap has a homebrew receiver (the LNA is commercial) and an 8' dish on his roof. The reception from Satcom I is truly amazing. Since I am in economics at the University of Western Ontario, I have been doing some work on the economic implications of private earth stations. I have completed one paper and plan to do my 4th year thesis paper on the topic. It seems like Bob Cooper has been on target all along about the TVRO scene. The newspapers are just full of all kinds of information. The Canadian law prohibits Canadians from owning earth stations, and watching U.S. satellite TV is illegal (a TVRO violates Section 287 of the Criminal Code, the Radio Act, the Broadcasting Act, and the ITU Agreement). Canadian authorities have been taking a 'look the other way' approach to backyard owners. Some CATV firms are offering "indies" (sic) off of Satcom I (illegally)."

Here's a few comments from William Hepburn (5659 Highland Ave., Niagara Falls, ON L2G 4X2): "Just thought I'd let you know that I'm still alive here in the Golden Horseshoe. The Es season started yesterday (May 30)--I've almost forgotten what it looks like. I hope to ram up my totals on channels 4, 5, and 6 this year. I'll have to learn to pass by the strong channels 2 and 3 relogs in order to ID the harder to get channels 4, 5, and 6 (especially channel 5--with super-strong CBLT broadcasting from the CN Tower, only 4 channel 5 Es catches have been IDed! Hope to reach a log total of 250 by September '81 when I'll finish high school (we have grade 13 up here) and go off to Cornwall, Ontario, for training to be a meteorological technician.

One thing that I've been wanting to clear up is the call letters of the CBLFT repeaters here in Ontario. Almost all DXers (including myself) have been using the old call letters instead of the new ones that have been in effect since '78! Anyway, here are the proper calls of all stations relaying CBLFT (25) Toronto; CBLFT-1 (7) Sturgeon Falls; CBLFT-2 (13) Sudbury; -3 (9) Timmins; -4 (12) Kapuskasing; -5 (7) Hearst; -6 (12) Elliot Lake; -7 (11) Espanola; -8 (76) Kitchener; -9 (40) London; -10 (48) Chatham; -11 (55) Barrie; -12 (44) Peterboro; -13 (15) Belleville; -14 (32) Kingston; -15 (34) Penetang; -16 (74) Driftwood; CBLFT-17 (68) Sarnia, and CBEFT (78) Windsor. The channel numbers are in brackets. These are not recent changes, but ones that took effect when northern Ontario repeaters began relaying CBLFT instead of CBOFT Ottawa. I guess that the new stations in Gogama, Thunder Bay, etc., will start with CBLFT-18, etc. Anyway, francophones in Ontario can't complain about lack of service, hi! 73s and lots of good DX."

Now a few lines from recent new member Steven D. Miller (368 Quincy St., Boston, MA 02125): "Hello everyone, how's DX? Well, to start off this Tidbit, I'd like to introduce myself. I'm 19 years old, presently employed as a dishwasher and busboy. I'm presently trying to improve my business skills so I can obtain a business job. Hobbies include drumming, photography, DJing and DXing (AM, FM, shortwave, in that order). Career interests include magazine publishing, DJing, pro photography, pro drummer, and being successful in business. I don't plan to serve in the armed forces, but in the months to come it may be inevitable, because the U.S. is losing its world reknown prestige.

I'm happy to be a member of the WTFDA. I DX the FM band on my Panasonic RF-2200 portable receiver. In fact, the bulk of my FM DXing will be done on that receiver. Other DXing interests include BCB and SWling. I'm an active member in the 3 major AM mediumwave DX clubs, and I'm presently gathering funds so I can join the 3 major "shortwave DX exclusively" clubs. My first log report should be in this issue, and hopefully I will be able to contribute something to the various columns as long as I'm a member of this club. I've sent for club stationery, DX log sheets, and QSL report forms, and, of course, FM DX report forms. I proudly have in my possession the fantastic Yaesu Y-55 headphones and the 1980 edition of the Broadcasting Yearbook, which is a big plus for my QSL quota. I also have a copy of the fifth edition of the FM Atlas, which is a valuable consulting tool. I first got bitten by the FM DXing bug in December of 1979, and have been at it off and on since then. Well, that's all for now, so until next time, and the number heard, 73's and the best of summertime DXing to you, and happy summer!"

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



# NORTHERN FM-DX

Ralph Strobel, editor  
 2510 N. McCalliard Rd.  
 Chicago, IL 60637

Deadline: July 25  
 (See Below)

JULY 1980

For FM DXers in Canada, the United States, and Mexico, this is the only magazine in the world that covers FM DXing in all 50 states and states east of the Mississippi River and north of the Mason-Dixon Line.

Your editor will be in Europe August 1-18. Therefore, the August deadline has been moved up to July 25. Too bad I will have to miss the WTEFA convention. With Bob Seybold hosting the activities, it is certain to be an outstanding event!

Some E-Skip activity reported this month.

George S. Gallacher - 701 N. Caden Pl. - Ossian, IN 46777

Equipment: Marantz 2500 Receiver. From 8-11-79 to 1-8-80 R.S. 6 element Antenna and 8 db amp. From 1-8-80 until present R.S. V-150 20 element Antenna with an 18 db R.S. pre-amp and amplifier at 25 feet. This is my first FM DX report. All are new.

8/12/79 tr	10/30 tr
1955 WAZY 96.5 IN Lafayette, "Z-96"	2138 WHFD 95.9 OH Archbold
2030 WRIF 101.1 MI Detroit	2142 WMZK 97.9 MI Detroit
2035 WMZK 97.9 MI Detroit	2144 WLAV 96.9 MI Grand Rapids
2036 WERT 98.9 OH Van Wert	2200 CKLW 93.9 ON Windsor
2048 WKKI 94.3 OH Celina	11/27 tr
2050 WSAI 94.1 OH Cincinnati	2107 WUOM 91.7 MI Ann Arbor
2100 WQLK 96.1 IN Richmond, "K-96"	12/1 tr
2100 WIUC 98.3 IN Winchester	1448 WHIO 99.1 OH Dayton
2101 WFBQ 94.7 IN Indianapolis	12/9 tr
2115 WFYR 103.5 IL Chicago	2059 WJAI 92.9 OH Eaton
8/13 tr	12/18 tr
2100 WJEZ 104.3 IL Chicago	1400 WNPAP 93.1 IN Indianapolis
2100 WISU 89.7 IN Terre Haute	12/23 tr
8/25 tr	2153 WWIC 94.9 MI East Lansing
2155 WFMT 98.7 IL Chicago	2216 WAXC 92.1 OH Wapakoneta-St. Marys
2200 WLKI 100.1 IN Angola	2244 WFRN 104.7 IN Elkhart, (ex-WXAX)
2210 WBYG 99.9 IL Kankakee	2253 WAUR 107.9 IL Aurora
9/17 tr	12/26 tr
2200 WJFM 93.7 MI Grand Rapids	2135 WNDU 92.9 IN South Bend, "U-92"
10/3 tr	2200 WNMU 90.1 MI Marquette
2125 WACF 98.5 IL Paris	2229 WFBG 98.7 MI Detroit
10/5 tr	2242 WDRQ 93.1 MI Detroit
2200 WZZR 95.7 MI Grand Rapids	2247 WOSU 89.7 OH Columbus
2207 WLBC 104.1 IN Muncie	2250 WVPE 88.1 IN Elkhart
2230 WIKS 99.5 IN Greenfield, "Kiss-99"	2254 WGTE 91.3 OH Toledo
2300 WLHN 97.9 IN Anderson	2258 WGTC 92.3 IN Bloomington
10/25 tr	2327 WMDH 102.5 IN New Castle-Muncie
1930 WEAX 88.5 IN Angola	2340 WGCI 107.5 IL Chicago
1944 WNWN 98.5 MI Coldwater	2353 WKQX 101.1 IL Chicago
1954 WBMX 102.7 IL Oak Park-Chicago	12/27 tr
1959 WLAK 93.9 IL Chicago	0004 WFMT 98.7 IL Chicago
2008 WOJO 105.1 IL Evanston-Chicago	12/29 tr
2015 WASK 105.3 IN Lafayette	1554 WZZP 106.5 OH Cleveland
2033 WJEZ 104.3 IL Chicago	1600 WCLW 105.3 OH Mansfield
2049 WKQX 101.1 IL Chicago	1627 WLSR 104.9 OH Lima
2058 WEFM 99.5 IL Chicago, "We-FM"	1637 WNGI 97.9 OH Columbus
2100 WABU 98.3 IN Peru	1649 WLWQ 96.3 OH Columbus
2108 WTWR 92.3 MI Detroit, "Tower-92"	1/6/80 tr
2114 WCSM 96.7 OH Celina	2300 WMHE 92.5 OH Toledo
10/30 tr	1/8 tr
2127 CJOM 88.7 ON Windsor	2332 WHFB 99.9 MI Benton Harbor

\* Continued \*

NORTHERN FM DX

George Gallacher cont'd:

JULY 1980

1/14 tr  
 1800 WRIA 101.3 IN Richmond  
 2223 WRMZ 99.7 OH Columbus  
 2230 WBST 92.1 IN Muncie  
 1/15 tr  
 2152 WKQQ 98.1 KY Lexington

1/15 tr  
 2217 WFMK 99.1 MI East Lansing  
 2230 WYZZ 100.7 IN Elkhart  
 2231 WOLW 107.3 OH Mansfield  
 1/18 tr  
 1744 WFLS 95.5 IN Indianapolis

Since 1-18-80 I haven't done much DXing. I guess I had a temporary loss of interest in the hobby. But will try to get re-interested in it again. Been having problems with strong signals coming on the back side of my antenna. For example, I can still receive WFBQ in Indianapolis while my antenna is north and I live 100 miles north of Indianapolis. Can someone solve my problem? If so, drop me a line. I hope the solution to my problem isn't expensive. Both my receiver and VHF-TV are hooked up to my V-150 antenna. And I've had better luck with my TV than my receiver. Maybe I can sort things out this summer.

73's and happy dxing, George

Ken Onyschuk - 239 Fir - Park Forest, IL 60466

Greetings: This is my first introduction to a DX club since I joined the NRC in 1971. Age is 31, married, three children and work for Pullman-Standard in Hammond, IN as an Amtrak car finisher for six years. I've been a "curiousity" TV DXer for around 15 years, and an FM DXer for about 12 years. My FM receiver is the GE Superadio which I bought from McDade Co., Chicago Heights, in June 1979, and have logged 98 stations from 5 states in my spare time. TV-wise, I've just had a curiosity of "what's-on-the-other-channel" type of DXing. I was guided at the time by N.A.TV-AM-FM station book which I bought in 1967. My first distant station I can remember was sometime in the mid 60's. Ch. 13-Grand Rapids, MI, televising wrestling matches in the early Sat. afternoon. I guess I watched it because it was sports and I enjoyed the program. Otherwise, I have seen 37 stations in 6 states plus 1 Canadian. Just on home TV's w/a roof antenna. My substitute TV when my home TV broke down was a Goldblatts portable I bought in 1966, but gave to my folks when I got married. It's been used occasionally and still works well, despite the whip antenna broken three times and fixed. I've never tried for a TV verie, but do have an FM verie - 92.7 WMLA Le Roy, IL in their initial broadcast day! I've been primarily an AM DXer but have found FM-TV DX very interesting during poor wx cx. Sports has always been my BCB priority. It may take a little while for serious reporting in my first year in WTEFA, but I'll try to contribute when I can. Currently, my Alma Mater, Homewood-Flossmoor H.S. is upping their power from 10w to 1500w 7 am-10 pm directly on school days. Have a great summer.

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

5/6 tr	5/25 tr	300
0002 CJBX 92.7 ON London, k, "BX-93" 260	1628 WDBR 93.9 WI Sturgeon Bay, m	285
5/9 tr	1635 WIXX 101.1 WI Green Bay, m	330
1159 WWHI 91.3 IN Muncie, r, "Hi-91" 48	1659 WRVM 102.7 WI Suring, g	
1245 WETL 91.7 IN South Bend 68	(ID also mentioned several translators)	
	1730 WLDN 101.9 MI Traverse City, m	265
	1736 WTCM 103.5 MI Traverse City, k	265
5/9 tr	2359 WSIU 91.9 IL Carbondale, j	310
2034 WWSM 106.7 MI Gaylord, "Warm-107" 290	(New loggings underlined).	
2110 WHSE 107.7 MI Alpena, r 3051		

WWHI and WETL are probably in every day but have a very limited schedule. This is the first time I've been home while they were on the air since I got my new equipment. WETL held its own pretty well despite a local on 91.9. At this time I am in the process of adding up all my FM loggings to get the total number of stations received here since I started DX'ing in 1970. Hope to have this completed by next month. 73s, Bob

Steven D. Miller - 368 Quincy St. - Boston, MA 02125

Equipment: RF-2200 w/ext Rabbit ears, and 7 section attached whip.

3/4 tr	5/31 tr	
2205 WGIB 101.9 MA Falmouth, "\$-102"	0729 WKCI 101.3 CT Hamden, \$, "KC-101"	
2215 WPJB 105.1 RI Providence, "JB-105"	0740 WFOR 101.9 ME Portland, k\$	110
	0800 WKZE 104.7 MA Orleans, \$, ex-WLOM	
5/31 tr	2319 WLKW 101.5 RI Providence, \$	49
0602 WSOX 94.9 MA West Yarmouth, "FM-95"	"A bright part of your day, FM-101"	
0621 WSSS 95.7 CT Hartford, m\$	2325 WOKQ 97.5 NH Dover-Portsmouth, \$	
0642 WPIR 99.1 CT New Haven, \$	154	
0707 WKXA 98.9 ME Brunswick, \$, ABC	6/1 tr	
0713 WHEB 100.3 NH Portsmouth, \$	0642 WQIR 101.1 NH Manchester, r\$, "GIR-FM"	

Total: a "mere" 19. What sources should I consult to aid me in the calculating of the mileage distances? (Your editor uses a Rand McNally Road Atlas, pages 6-7, measuring in a straight line from your city to the city in question. All your loggings are tr and not Es.-RS)

73's, Steve Miller

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

Local KQKY 105.9 Kearney off the air May 6, so I picked up KLZR 105.9 Lawrence KS, KLOQ 106.1 Lyons KS, KBPI 105.9 Denver, more r than rp. Skip heard only May 22, from 2150 to 2300--a Mt. St. Helens influence? Full IDs heard on: KXIQ 94.1 Bend OR, r, \$; KMVC 98.3 Burley ID, \$; KAGO-FM Klamath Falls OR, and I could hardly believe it--99.5, having moved with no FCC notice from 98.5. Also from Klamath Falls, mc, now \$, KJSM 92.5; KRKT-FM 99.9 Albany OR k \$. Tropo that night brought in KUWR \*91.9 Laramie and KFBQ Cheyenne WY. Tropo in almost solid May 24-26, although best before noon, KFAH 92.1 Alliance NE, KDSA \*91.1 Wichita KS, KMCX 93.5 Ogallala NE. KMCX now hard to get because KEZH Hastings NE raised to 260' h, v; \$, m. Then I swung the antennae south and grabbed the good stuff: KRDF 98.3 Spearman TX, m, E, \$; KWAS 101.9 Amarillo TX, g; KEZS 105.5 \$, m, and KSLS 99.3 both Liberal KS; KAFM 92.5, KOAX 105.3, KZEW 97.9, KVTI g \$ \*91.7, Dallas TX; KNGG 92.5, KOFM 104.1, KZUE 102.7, KEBC 94.7, KATT-FM 100.5, KLTE 101.9, KXXY 96.1, KAEZ 107.7 (with Physicians Radio Network SCA), all Oklahoma City, all with legal IDs (not just slogans); KPLX 99.5 Fort Worth, KARD 107.3 Wichita KS, KOKF \*90.9 Edmond OK, \$; KMYO 92.1 Broken Arrow OK; KM0D 97.5, KWGS \*89.5, KCFO 98.5, KBEZ 92.9, all Tulsa OK; KJIL 104.9 Bethany OK; KXCL 107.9 Corsicana TX; KLOR 99.3 Ponca City, KHEN-FM 99.5 Henryetta OK; KBUZ 106.5 Arkansas City, KOYI-FM 99.3 El Dorado KS; KREK 104.9 Bristow OK; KKCC-FM 106.9 Clinton OK; KMUV \*89.1 Wichita KS; KNCT-FM \*91.3 Killeen TX; KNID 96.9 Enid OK now with \$ k music; KYFM 100.1 Bartlesville OK; KHBR-FM 102.5 Hillsboro TX; KTEH-FM 93.3 Ada OK; KMEZ 100.3, KMGC 102.9 Dallas TX. So far on June 1 I have received KYKK Humble City NM, for my first New Mexico tropo; KWEY-FM 97.3 Weatherford OK; KACV, "FM-90," with legal i.d. on the hour, Amarillo TX; KBID 92.9 Wichita Falls TX, alternating with KBEZ Tulsa.

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

Equipment: Finco FM-4G Antenna, CM Amp. Zenith Trans Oceanic

2/4	AS	T100	CKO	97.5	ON	London, All NX	310	
4/12	GW	1701	WPFV	89.3	DC	Washington, "Caribbiana" ethnic MX	190	
4/13	GW	1044	WVUH	91.7	PA	Allentown, r, 10 watts	40	
		1903	WRPT	91.5	NY	Troy, r, poor, fadey, WNYE off	150	
		2215	WVCR	91.3	NY	Poughkeepsie, fair, guitar MX,	95	
						pledges; Listed as 10w, but I think more.		
4/19	tr	0205	WGBHT	89.7	MA	Boston, Early 50's MX	260	
		1856	WXPN	88.9	PA	Philadelphia, weak, severe WQSU QRM	92	
		GW	2045	WESS	90.3	PA	East Stroudsburg, r, confirmed as 10w	25
						by verie, plans for 1 kw by next year.		
4/25	GW	2100	WAER	88.3	NY	Syracuse, Local Baseball, "FM-88 WAER" 130	130	
4/26	GW	0102	WKCR	89.9	NY	New York, SS MX, good, WJIA off.	90	
		tr	0118	WGBH	89.7	MA	Boston, Local like w/Blues show.	260
5/18	tr	0008	WBPM	94.3	NY	Kingston, "WBPM, The MX FM"	100	
5/24	tr	1924	WJZZ	100.1	NJ	Ship Bottom, ID, Concert Info.	125	
			2131	WVYD	103.9	NY	White Plains, EL MX, good signal.	100

That's about the extent of DX. No skip yet. New underlined.

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

5/23 Es climbed on FM @1346 w/KREX & KQIX both Grand Junction CO (1070). 1400 KVMT w/mono/rock 104.7 Vail CO (985). 1400 to 1450 most Provo/Ogden and ALL Salt Lake City. One format change was KWHO w/big band/swing mx. 5/26 tr w/Birmingham strong 0700 to 1030 (430). 5/27 Es. @1105 KREX/KQIX both Grand Junction CO. 1120 one of those unID-able KALL translators on 99.3. 1130 most CO Springs/Denver to the top. @1135 "K-lite" KLG7 w/mono/T40 102.3 Breckenridge CO (960). 1159 KGHU \$ jazz 88.5 Boulder CO (910). Two notes, KBCC Boulder had no \$ so I guess that's just a transmitter problem & KLMO 104.3 Longmont CO has added \$. Fade out was @1240. 5/29 Es. 1705 to 1810 KGIC, KREX, KQIX, K232AD, KVEL, KRAI lots of Denver/Salt Lake. Back up @1900 w/CJUS 89.7 & CFMC 103.9 both Saskatoon SA (1250). That new 105.5 Saskatoon station was on w/\$ classical but never IDed. Also had a powerhouse CBC English relay on 97.9 that will of course never ID. Anyway, I assume it's also in SA. 2000 fresh on the air CJGL "GL-94" w/\$/EZ 94.1 Swift Current SA (1225). SA fell @2120 but lots of WY, CO & NE came up @2140 to 2315. @2145 KSDZ w/mono/rock/"mx final" 95.5 Gorden NE (770). 5/30 Es 0030 to 0045 KOLL 93.5 WY. Later @0922 Montreal to the top then many relogs from ME, CT, RI, NY, NY, LI & MA. @0942 WSBH (xWWRJ) 95.3 Southampton NY heard w/jingle. 0957 WSUS 3/up-beat MOR 102.3 Franklin NJ (730). 1015 WQRC \$/EZ 99.9 Barnstable MA (955); 1025 "the FLY" WFLY \$/rock 92.3 Troy NY (790); 1032 "103" WGAN w/EZ 102.9 Portland ME (950). Fadeout @1115. Back @1855 w/Denver/CO Springs very strong. @1859 KOME \$ classical 88.1 Manitou Springs CO (895); 1906 KSTX \$/auto/country 103.9 Canon City CO (925). Lots of Miami/Albuquerque & Phoenix all at the same time throughout the evening.

Frank Merrill - P. O. Box 7207 - Toledo, OH 43615

Equipment: Channel Master Stereo Probe 9 at 25 feet, with McIntosh MR-78.

11/11	tr	0219	WDJX	103.9	OH	Kenia, "11-104, WDJX," r		
			0230	WCCQ	98.3	IL	Crest Hill, ID, mentions 24 hours, m	
11/12	tr	0003	WITW	96.7	MI	Cadillac, s/off		
			0008	WAKC	96.7	WI	Oshkosh, news 0002 and Herb Alpert's "Rise" 0008. They verified these over the phone.	
			0027	WIHH	96.7	IL	Bloomington, local ad, "96-Win Beautiful Music" jingle.	
11/18	tr	0412	WCSB	98.3	OH	Cleveland, s/off (funny style), 10 watts, p rock		
			0448	WVCM	97.7	IN	Brazil, "No. 1 in Wabash Valley," finally ID 0512, k	
11/19	MS7	1316	KWGS	89.5	OK	Tulsa, "...WGS News Time is 12:16" and Tulsa News. (Stayed in for nearly two minutes!)		
11/20	tr	1056	WAPS	89.1	OH	Akron, "EZ listening mx from 89.1 on your FM dial, WAPS"		
			1159	WRPT	91.5	IN	Indianapolis, m, 10 watts.	
12/3	MS	0000	WQLN	91.3	PA	Erie, s/off, WQTE off! (previously by tr)		
			0009	WOXY	97.7	OH	Oxford, Dixie Electric ad, ID jingle, r, (WTGN Lima off)	
12/10	tr	0032	WYDD	104.7	PA	Pittsburgh, ID after segued album rock.		
			0036	WAPL	105.7	WI	Appleton, "Your Album Music Station, WAPL," r	
			MS	0106	KRES	104.7	MO	Moberly, "...KRES Country Update..."
			MS	0246	KIOV	104.7	SD	Sioux Falls, "...Mastermix as a feed..." with "Great Plains accent" - took a stab and it was their commercial!
12/11	tr	0017	WHUG	101.7	NY	Jamestown, local ad		
12/18	tr	1417	WORB	90.3	MI	Farmington Hills, "240 at WORB" thru WBCL post.		
			1428	WSTB	91.5	OH	Streetsboro, "91.5 FM, WSTB Streetsboro, golden oldies r	
			1505	WFCB	94.3	OH	Chillicothe, Wylie's Disco and Saloon - jumped o/WDFI!	
			1746	WORW	91.9	MI	Port Huron, "Current WORW temp. is 190" r	
12/19	MS	0400	WDEH	105.3	GA	Macon, "...for middle GA" with drum roll.		
			tr	1459	WLFM	91.1	WI	Appleton, s/on, long sought!
12/20	tr	2322	WBFB	88.1	MI	Bloomfield Hills, relog, s/off says 6 am-11 pm weekdays.		
12/21	tr	1622	WHFM	98.9	NY	Rochester, local ads, weather, r		
12/24	tr	0003	WQON	100.1	MI	Grayling, ID at tail end of s/off.		
12/26	tr	1500	WMBW	88.9	TN	Chattanooga, "It's 3:00 in Chattanooga" and ID, g		
			1513	WXBQ	96.9	TN	Bristol, "Get our bumper sticker in Kingsport," k	
			1634	WGSJ	101.1	KY	Hazard, local ad, Paul Harvey	
			1803	WDOD	96.5	TN	Chattanooga, local news	
			1807	WOKI	100.3	TN	Oak Ridge-Knoxville, female announcer gave calls.	
			1815	WIVK	107.7	TN	Knoxville, "It's 6:15 on WIVK," k	
			2033	WVHC	104.9	IN	Hartford City, local ads, forgot to log before.	
			2045	WHAJ	104.5	WV	Bluefield, "You're tuned to WHAJ" and car ad.	
12/27	tr	1130	WIBI	91.1	IL	Carlinville, got part of ID, g		
12/28	tr	0047	WYBR	104.9	IL	Belvidere, Manly Motors in downtown Belvidere		
			0100	WLCL	107.1	IN	Lowell, s/off	
			0251	WCWT	91.9	OH	Centerville, 423-8486, ID, mentions 0400 s/off, 10 watts	
			0930	WNWC	102.5	WI	Madison, "W-N-W..." g	
			2003	WUOL	90.5	KY	Louisville, ID	
			2015	WDGC	88.3	IL	Downers Grove, sports talk at 7:30, mentions Downers Grove	
			2155	WFFR	102.7	IN	Terre Haute, Terre Haute Amoco ad	
			2312	WQRP	88.1	OH	West Carrollton, spiel about WCXL (88.7)/WQRP fund raising	
							CJOM prevented getting an 88.7 parallel.	
			2333	WNXT	99.3	OH	Portsmouth, Bank One of Portsmouth	
12/29	tr	0014	WAKO	103.1	IL	Lawrenceville, "WAKO, that's Hoyt Axton" k		
			0102	WVHI	105.3	IN	Evansville, ID, Voice of Heavenly Inspiration, g	
			0324	WHBN	99.3	KY	Harrodsburg, "Mercer Federal here in Harrodsburg"	
			0330	WQXE	100.1	KY	Elizabethtown, "We're the Music Station, FM-100, WQXE" m	
12/30	tr	0604	WARU	98.3	IN	Peru, wx forecast for Peru and Miami County.		
12/31	tr	0136	WDBR	103.7	IL	Springfield, New Years Eve promo on Stereo WDBR, r		
			0347	WJRL	94.1	WV	Kan Hill, "Newswatch lets Southern WV solve its problems"	
			0501	W257AB	99.3	OH	Marion, ID for WCVO - 104.9, g	
			0605	WLDK	101.9	MI	Traverse City, MI nx, 0607 ID, WDET s/on late.	
			0611	WVPB	91.7	WV	Beckley, Heard parallel to WV network here.	
1/13	tr	0009	WURD	97.7	OH	Georgetown, Dog found in Higginsport, etc., k		
1/14	tr	0038	WKOA	100.3	KY	Hopkinsville, Staple Singers oldie, phone verified, r		
1/15	tr	1458	WSMC	90.7	TN	Collegedale, call now at 346-2320, c		
			1459	WIVK	107.7	TN	Knoxville, relog, atop WDAO Dayton all afternoon.	
			1500	WBIR	103.5	TN	Knoxville, "WBIR-FM Knoxville, we believe in Rock"	
			1510	WSKZ	106.5	TN	Chattanooga, United Bank, r, "KZ-106"	
			1558	WEZK	97.5	TN	Knoxville, ID, short local news, m	
			1616	WK0ST	91.1	TN	Knoxville, tentative, hard rock from due south, couldn't ID album tracks so had no way of asking!	

\* Continued Next Page \*

## NORTHERN FM DX

Frank Merrill cont'd:

JULY 1980

1/15 tr 1643 WQUT 101.5 TN Johnson City, K-Hart in Johnson City & Kingsport. Thru local WLQR. Never expected it, but with 1973 WQUT in the woods I thought I should try! Only number three on my worst frequency.

2244 WACC 96.5 WV Williamson, "All the country hits in Stereo" and jingle.

2251 WVOW 101.9 WV Logan, Asking for AM/FM advertisers!

2301 WBKW 99.5 WV Beckley, ID, "Where the sun is always shining," g mono

2320 WDUB 90.9 OH Granville, "DUB 11: news wrap-up," g mono

2353 WLSK 100.9 KY Lebanon-Springfield, "WLSK" weather, phone # 538-2880 and WHKK! Considerably easier after midnight as WBKO off.

1/16 tr 0331 WSLQ 99.1 VA Roanoke, Doobie Brothers promo, r, "Q-99," full ID 0334.

0342 WJMM 106.3 KY Versailles, "J-106" and local announcements, g

0507 WMOR 92.1 KY Morehead, end news, weather, ID

1/17 tr 0017 WRCI 93.5 MI Midland, weather, ID jingle

0104 W296AA 107.1 OH Fremont

0106 W292AC 106.3 MI Adrian, This and above parallel to WPOS, g

0505 WEIC 92.1 IL Charleston, started playing Prince record over Mutual News ending. Verified this per phone call. r

1/18 tr 0553 KUNI 90.9 IA Cedar Falls, Hear caucus updates on KUNI later, j

0659 WCWS 91.9 OH Wooster, s/on (Another open carrier from a bit more SE. Was covered up by them. Maybe WCGO Gambier?)

0815 KRNQ 102.5 IA Des Moines, "You're with Des Moines' Music 11-102" r

1939 WSMI 106.1 IL Litchfield, promo for Sunday 7 pm program on WSMI

2/4 tr 0032 WDDD 107.3 IL Marion, jingle, k

3/3 tr 0009 CJBX 92.7 OH London, "Ontario Country BX-93" jingle, k

5/1 tr 2112 WDOW 92.1 MI Dowagiac, Finally!! Very badly wanted log on my favorite frequency, ID, had to go WSW to avoid WCSR.

5/3 tr 0459 WERG 89.9 PA Erie, "spacy" ID, j

5/4 tr 0415 WESA 98.3 PA Charleroi, "WESA-FM 98.3, 24 hours," (Surprise! Tried for this many other Sundays; had assumed not 24 hours) r

5/11 tr 2301 WHYP 100.9 PA North East, s/off just after WBNO s/off.

5/29 Es 2017 KYIA 93.3 MT Billings, r, ad for downtown Billings

2030 KIVE 96.5 MT Glendive, ID, m, relog

2053 KYYY 92.9 ND Bismarck, Washburn ad, relog, new calls, r

2018 KROE 94.9 WY Sheridan, tentative, r thru WVIC, would be relog.

2118 KZIN 96.3 MT Shelby, mono, soft pop music, had to call them and the amazed girl there heard the same thing over the phone as they were playing. My most distant FM yet at 1,450 miles!

2130 unID 97.3 ?? "...7:30..." (Maybe Alberta? Aaargh!)

tr 2137 WOSE 94.5 OH Port Clinton, ID noted, relog, new calls, seems to be k.

Es 2343 KEPC 90.5 CO Colorado Springs, "Rolling Stones here on KEPC," r

5/30 Es 0003 KCFR 90.1 CO Denver, "Here in Denver" relog

0007 KPLV 98.9 CO Pueblo, local ad, r, relog

0028 KCCY 97.9 CO Pueblo, "...This is..." (relog, ex-KDJQ)

2000 KYND 92.5 TX Beaumont, (Heard ID on car radio while at Elkhart-Lagrange Co. line, IN. Ineligible for Toledo totals, aargh!)

One change on the local scene, WRWR-94.5 is no more. New calls are WOSE, with a k format. They no longer s/off at 10 pm, as I heard them this morning (Sat. 5/31) at 0040 announcing CBS (or was it NBC?) news at 1! I also noted WCSR-92.1 around the same time this morning - hopefully they were on late only because of the tornado weather because I would hate to see that frequency ruined! The McIntosh is in the shop right now to correct a small problem; the 5/29-30 stuff was actually heard on my ancient KLIH-18 tuner (bought in 1965) with built-in AFC! That tiny box actually seems to work better than many of the \$400 tuners out today, except that selectivity on it is the pits. Fortunately such a NW opening doesn't really put me up against any sloppy strong signals from the same direction - I doubt that a slip opening to the Maritimes, for example, would have been very useable for me since it's the same direction as Toledo and nearly the same direction as Detroit. Latest rumor has WBFO-98.7 changing calls and going to r, but they're still g as of today! Hopefully that will result in an occasional silent period anyway, something which they don't do now. But since they were sold for over \$12 million they'll probably continue to use all of their 168 weekly hours, hi. This most recent DX now brings my FM totals up to 922 logged.

\*\*\*\*\*

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

Well, the drought here in the upper midwest has been broken. We have had rain and, better yet, we have had some DX. The first time I noted Es on the FM band was May 27, which puts it down as a late starting "season." The three Es openings I have seen up to this writing have not been as good as most previous years; the openings have been subject to somewhat (for Es) short, rapid fading and weaker than normal signals. However, one must not kick a gift horse in the mouth and must be content to take the Es

\* Continued \*

## NORTHERN FM DX

John Ebeling cont'd:

JULY 1980

as provided by the various weather conditions. This years DXing has, it seems, turned up an awful lot of rock (and hard) stations which tend to arouse pain in the ear drums of an "old man" like me. I have noted the following stations in the "book" for a possible ID or non-ID also. I have noted the following stations received at my home in Bloomington, MN. Equipment - Heath HD-10 & HD-11. Both horizontal and vertical antennas used. All times are CST. Now underlined.

5/20 tr 0446 KQAA 94.9 SD Aberdeen. Farm nx, ID

5/27 Es 1830 KQAA 94.9 SD Aberdeen. Gospel

1031 KNSAT 93.3 TX Midland

1032 KHPM 92.3 TX Midland, MoR, (Spanish on SCA)

1038 KCOG 104.7 TX Lamesa, MoR

1045 KPHH 94.3 TX Ft. Stockton, Farm news program

1048 KMMJ 103.3 TX Midland-Odessa, MoR, (Muzak on SCA)

1100 KQIF 96.9 TX Odessa, rock

1101 KUFO? 97.9 TX Odessa, rock

KUFO heard and taped twice. CLC from KOYL? KUFO is/was 106.5 Galveston. Es opening was very narrow to West Texas only. k, (music on SCA)

5/29 Es 1107 KLLL 96.3 TX Lubbock,

1628 KFTM 92.3 TX El Paso

1631 KRMN 92.9 NM Farmington

1631 KGHG 97.9 TX Amarillo, weather bulletin

1632 KMYK 94.9 NM Aztec, "Soft rock"

1635 KINT 97.5 TX El Paso, rock

1646 KTSM 99.9 TX El Paso, MoR

1655 KSET 94.7 TX El Paso, rock

1739 KOB 93.3 NM Albuquerque, rock

1754 KENO 92.3 NV Las Vegas, rock

1756 KATC 92.3 AZ Glendale-Phoenix

1757 KMCR 91.5 AZ Phoenix, (+SCA)

1806 KXTZ 94.1 NV Henderson, MoR

1810 KTTI 95.1 AZ Yuma, wx, ads, ID

1812 unID 91.5 Spanish (XHJC Mexicali?) erratic, but what I have is on tape. (attempt to translate same). MoR (+SCA)

2148 KQXY 94.1 TX Beaumont,

2150 KEPT 96.5 LA Shreveport

2154 KALO 95.1 TX Beaumont,

5/30 Es 1815 WGOV 92.9 GA Valdosta, k

1830 WYNF 94.9 FL Tampa, rock, "Y-95"

1842 WWSA 107.3 FL St. Petersburg, MoR, "W-bay"

1847 WFLA 93.3 FL Tampa, MoR (+SCA)

1855 WQXM 97.9 FL Clearwater, rock

1856 WHOO 96.5 FL Orlando, "FM-96" Music for all seasons/MoR

1902 WOKF 95.7 FL Clearwater, rock (+PRN on SCA)

1928 WQEZ 96.5 AL Birmingham, MoR

Now for the little DX from the cabin at Prossit, MN. Several of these fall into the mystery category, pending further investigation.

Equipment: Sony ST-5130 with 5-element antenna.

5/24 tr 1200 KQAA 94.9 SD Aberdeen

25 C? 89.3 ON ??? CBC French - no local ID in three days. West ON location probably. No \$. S/on about noon; carrier on 24 hours a day (damn).

5/25 tr 2200 W269AB 101.7 MN Babbitt, s-WAKX 98.9 Duluth

W270?? 101.9 MN ? ? s-WAKX 98.9 Duluth, but not a translator - class A freq! However, it is on 101.9; is stronger than W269AB; fades at different times; and believe it or not, it has SCA! That's it for this month. Hope to have lots more to report next time. Regards, John

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Michael Hogan - 13910 Chippewa Avenue, Apt. 1 - Burnham, IL 60633

Not too much to report this time. Most of my DX time has been spent on the UHF bands with some success. The rest of the time has been taken up with trying to keep up with WPMO HQ business and not hunting llamas as our Eastern TV DX editor would have you think. I just received my copies of the new edition of the FM Atlas. I would highly recommend it all serious FM DXers as well as the casual listener. (I highly agree.-RS) Only one new logging has been noted recently. That is: 6/6/80 KIHK 103.7 from Davenport IA @0730 for stn. # 255. This logging was produced by quite an extensive high pressure ridge. This logging was also due to the "re-discovery" of a receiver which I have

\* Continued \*

NORTHERN FM DX

Michael Hogan cont'd:

JULY 1980

had for about 2 years now. When I first purchased the receiver it was mainly used for UHF police bands, although WJOT 104.7 was logged. DX was not actually pursued on the receiver, due to the fact that I thought that the Magnavox 1115 was superior; now almost 2 years later the Panasonic RT-1115 has excellent sensitivity as well as selectivity. Ex: the above logging on 103.7 was made with local 103.5 powerhouse WTYR doing its thing. '73's and remember to report to the VUD at least once this season.

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

Equipment: Receiver: Heathkit AJ-15; Antenna: JFD LPL 10A at 45 feet.

5/30 Es to TX - MUF: 102.1	5/30 Es		
1950 KESSt 93.9 TX Ft. Worth, Drama \$ 1350	2021 KNFA 89.5 TX Austin, PS ad, c\$ 1480		
1953 KWJS 94.9 TX Arlington, g\$, ID 1340	2023 KVTT 91.7 TX Dallas, g, hot line 1320		
2005 KSCS 96.3 TX Ft. Worth, r\$, wx 1350	2038 KTKQ 102.1 TX Ft. Worth, r\$, ID 1350		
2008 KWTX 97.5 TX Waco, m\$, ads 1395	5/30 GW		
2019 KAZI 88.7 TX Austin, ID, \$ 1480	2048 WGHG 90.1 NY Greece, school 80		
	budget ann. (must be power increase)		
	(EDT) Totals: 1055; NY: 146, '73 - Fred		

Dr. Richard E. Wood - 1943 Carolina Lane - Cape Girardeau, MO 63701

Equipment: SAE - 8000 Tuner, Magnam antenna amplifier, 4 Channel Master Stereo Probe 9s quad - stacked atop CDE rotor at 15 feet.

5/29 Es 1952 CFMG 92.1 SA Regina, nx, \$ 1170		
2227 KJJB 92.1 SD Huron, "3-92," nx 670		
2248 KFUR 92.9 ND Bismarck, "Y-93," nx 860		
	(New calls are KYYY-RS)	
2253 KVSF 97.9 SD Rapid City, g\$ 875		
2258 KRGS 93.1 SD Sturgis-Rapid City, wx, \$ 875		
2305 KIVE 96.5 MT Glendive, local nx 1025		
5/30 Es 0903 WLVG 92.1 NY Sag Harbor, business nx 910		
0909 WNNR 88.1 CT Monroe, DJ show, 1st log on 88.1, 810		
	booming for 600 watts	
0915 WLVH 93.7 CT Hartford, SS, novela 950		
0930 WHJY 94.1 RI Providence, EL, "FM-94" 980		
0937 WATD 95.9 MA Marshfield, oldies, \$ 1030		
0944 WOKG 97.5 NH Dover-Portsmouth, k\$, '50000 w' 1080		
0946 WPLM 99.1 MA Plymouth, big band \$ 1030		
0955 WSSU 99.5 MA Lowell, local nx, wx 1040		
1000 WKXA 98.9 ME Brunswick, state nx, \$ 1125		
1013 WLNH 98.3 NH Laconia, promos, wx 1080		
1024 WWOR 100.5 NY Rochester "WVOR-100" wx, 780		
	No splash o/local KGHG - 100.7.	
1030 CFDM 104.3 PQ Drummondville, FF talks 1105		
1030 WTOS 105.1 ME Skowhegan, nx, mixed FFC 1200		
1040 CFGL 105.7 PQ Laval, FF vocal o/KSCM 1015		
1040 CKO-1106.9 ON Ottawa, nx 920		
1041 WIGY 105.9 ME Bath-Brunswick, \$, booming, nx 1125		
1051 WOVV 105.1 NY De Ruyter, o/u WTOS-ME, ID 830		
1100 C ? 93.7 PQ Baie-Comeau, FF nx, hum, mono 1400		
2135 KAMA 93.1 TX El Paso, Mex. nx 1050		
2147 KFIM 92.3 TX El Paso, DJ, nx promo 1050		
1348 KAMA 93.1 TX El Paso, again at 2006 1050		
2009 KFIM 92.3 TX El Paso 1050		
2038 KSET 94.7 TX El Paso, disco 1050		
2041 KUDO 93.1 NV Las Vegas, \$, booming o/KAMA, EL 1450		
2110 KINT 97.5 TX El Paso, hard rock, 1050		
	same spot as on KLOZ	
2113 XHPK 98.3 CHIH Cd. Juarez, \$, Italian mx 1050		
2119 KLOZ 102.1 TX El Paso, k 1050		
2124 XHTO 104.3 CHIH Cd. Juarez, full ID w/call, "Radiorama" 1050		
6/1 Es 2100 KAMA 93.1 TX El Paso 1050		
2102 KFIM 92.3 TX El Paso 1050		
6/2 tr 0834 KTYL 93.1 TX Tyler 400		
0839 KTAL 98.1 TX Texarkana, oldies, mono 350		
0843 KMAG 99.1 AR Ft. Smith, (Magazine Mt.) MoR, \$ 250		
0844 KHEZ 100.3 TX Dallas, EZ, \$, "100-FI." 450		
0919 KNOK 107.5 TX Ft. Worth, DJ show, \$ 450		

\* Continued \*

NORTHERN FM DX

Dr. Richard E. Wood cont'd:

JULY 1980

6/2 Es 1457 unID MEX 93.1 ?? ? Not KAMA; Banco Nac de Mexico ads, prices in pesos, 1500 ID as "R-Recuerdo" PTA: Northern Mexico. Anyone have updated Mex listing? 1500 XHSRO 92.5 NL Monterrey, 15 min. stock report, \$ 950

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Dave Brumfield - 1505 Kimberly Lane - Muncie, IN 47304

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

5/29 tr 0945 WBTM 91.7 IN South Bend 100	5/30 Es 1011 WTCC 90.7 MA Springfield 660
1000 WDCW 92.1 MI Dowagiac 120	1020 WATD 95.9 MA Marshfield 760
5/30 Es 0950 WCTO 94.3 NY Smithtown 630	1021 WTIC 96.5 CT Hartford 655
0958 WLVH 93.7 CT Hartford 655	1029 WPLM 99.1 MA Plymouth 760
1000 WLYR 92.7 NY Garden City 610	1029 WKXA 98.9 ME Brunswick 800
1005 WLVG 92.1 NY Sag Harbor 670	1850 KPLV 98.9 CO Pueblo 1040
1007 WNNR 88.1 CT Monroe 655	1859 KCME 88.1 CO Manitou Springs 1050
1011 WFTV 90.7 NY New York 600	1904 KILQ 93.9 CO Colorado Springs 1040
	1935 KBUF 97.3 KS Garden City, relog 875
	Total now: 519

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

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

5/14 MS 0755 KLJC 88.5 MO Kansas City 520	5/27 tr 0400 KUNI 90.9 IA Cedar Falls, j\$ 415
5/18 tr 0500 WVVX 103.1 IL Highland Park-Deerfield, o/WHME	5/30 Es 1858 KCME 88.1 CO Manitou Springs 1050
	1900 KPLV 98.9 CO Pueblo, "Love-99" 1040
5/20 tr 0900 WCVJ 90.9 OH Jefferson 235	1905 KILQ 93.9 CO Colorado Springs 1040
5/26 tr 0200 WZCZ 101.3 IL East Moline, k\$ 275	2001 KUHF 88.7 TX Houston, j\$ 960
0300 WNNC 102.5 WI Madison, g\$ 280	2027 KRLY 93.7 TX Houston 960
0400 WNGM 106.3 WI Middleton-Madison 280	6/12 tr 0200 WHPO 100.9 IL Hoopeston, r\$ 235
0600 KCKK 88.3 IA Cedar Rapids, s/on 350	
	(This makes 115 stations from IL)
	Total: 836, with 199 from Ed. band.

As soon as I left my house on the morning of 5/30, a 40 minute skip appeared! Dave Brumfield called me, but I was not home. I have the worst luck! I found the evening skip of 5/30, but it was weak and few stations were heard. Since that time, we have had severe thunderstorms, high winds, flooding, and tornadoes. I have checked the FM band constantly, only to find it dead! Reception here has been terribly poor. I was fortunate to hear a perfect MS on 5/14 and got KLJC on tape. Heard this: "...reporting KLJC. Our address is 1111 West 39th St., Kansas City, Missouri..." Also taped 90.9 WCVJ Jefferson, OH while sleeping. When you're desperate to increase your total, tape a vacant frequency and go back to bed! When you finally crawl out of bed, listen to your tape and hope you will find something good. I wrote WHPH Flossmoor, IL and 10 watt WGSB Cleveland, OH for QSL's. Because I really wanted a reply, I sent a SASE to both stations. One month and a half has passed and have heard nothing! Don't know if they'll ever respond, so why waste stamps and envelopes on a SASE? Did me NO good! Let's hope more skip will come our way before the month of June ends! Much thanks to all who sent reports, especially the newcomers to this column. See you all next month in the VUD.

73, Ralph

# SOUTHERN FM DX

July

LONG HAUL TROPS WELL UP, ES STILL DRAGGING

While Es continued to flounder in the same old rut, the stage was being set to make up for that to a certain extent, when a cold front stretching from the southern Rockies and curving toward Atlantic coast became lodged in a stationary position during the late May-early June period. Such a setting triggered several excellent rounds of tr activity. Conditions reached their height on June 3 when several approx. 1000 mile loggings were made in Oklahoma and Texas, at least. By June 8, a bonanza of 500+ catches had been made, many over rare paths.

Turning to Es, only one or two good openings have occurred since the season opened up, feebly, on May 11.

Pat Dyer, 5315 Silvertip Dr., San Antonio, TX 78228 - May 5 to June 1 CDT  
 Equip: Realistic TM-1001 into Allied 426; 6-el. Archer FM antenna at 20 ft. with rotor

5/7 tr  
 0124 KWIC 107.9 TX Beaumont, ID, ads 275  
 0133 WXL 105.3 LA Slidell, wx 530  
 0136 KIOC 106.1 TX Orange, ID 290  
 0142 WAFB 98.1 LA Baton Rouge, ID 450  
 0154 WEZB 97.1 LA New Orleans, wx 510

5/11 tr  
 0445 KRLG 98.1 OK Lawton, area ID 355  
 0450 KXXY 96.1 OK OK City, "96-X" 420  
 KCFO 98.5 OK Tulsa, g, ID 485  
 0500 KOPM 104.1 OK OK City, ID 420  
 0546 KEBC 94.7 OK OK City, ID, k ES  
 0959 WRMB 89.3 FL Boynton Beach, ID 1150  
 WLRN 91.3 FL Miami 1150  
 1000 WNL 93.9 FL Miami Beach 1150  
 WSWN 93.5 FL Belle Glade 1110  
 1005 WMCUT 89.7 FL Miami 1150  
 1015 WAFGT 90.3 FL Ft. Lauderdale 1150

5/12 tr  
 0350 WBAM 98.9 AL Montgomery, ad 750  
 0355 WYX 94.7 MS Jackson, ID: 525  
 0358 WLWI 92.3 AL Montgomery, wx, k 750  
 0359 WAFB 98.1 LA Baton Rouge, ID 450  
 0409 WAQT 94.1 AL Carrollton, AL nx, "Q-94" 450  
 0459 WPCS 89.3 FL Pensacola, s/on 685

5/13 tr  
 0402 KTAL 98.1 TX Texarkana, ID 380  
 0800 KGAF 94.5 TX Gainesville, ID 300  
 0813 KIXV 95.3 TX Brady, area nx 125

5/17 tr  
 2319 KIOC 106.1 TX Orange, ID, "K-106" 290  
 2323 KVLV 91.3 TX Beaumont, ID 275  
 2327 KTBC 92.1 TX Nacogdoches, ID 275  
 2329 KQIP 96.9 TX Odessa, ID 280

5/23 Es  
 0755 KWYK 94.9 NM Aztec, local psa 740  
 KANW 89.1 NM Albuquerque, psa, ID 610  
 0758 KVMM 93.5 AZ Show Low, area ad 745  
 0759 KLUC 98.5 NV Las Vegas, wx, r 1050  
 KXTZ 94.1 CA San Diego, local ad 1120  
 0805 KPBS 89.5 CA San Diego, nx 1120  
 lull to 0830

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

Deadline: the 10th

5/23 Es  
 0830 KILA 95.5 NV Henderson, ID, g 1040  
 0832 KENOT 92.3 NV Las Vegas 1050  
 0835 f/out  
 0940-0950 unIDs to 98.9  
 0943 WRS 95.9 KY Stanford, local ad 965  
 0945 WEKUT 88.9 KY Richmond, k 995  
 1013-1025 unIDs to 98's, mostly 88-92 though  
 1025 CJOM 88.7 ONT Windsor, ID 1230  
 1032 WKTC 104.3 NC Tarboro, ID 1290  
 MUF to 107.9  
 1058 WSRQ 94.5 NC Eden, ID, "Rock 95" 1180  
 1042 WYVA 94.1 VA Yorktown, ID, ads 1370  
 1045 WFD 88.5 NC Winston-Salem, NCpsa's  
 1047 WRVQ 94.5 VA Richmond 1325  
 1055 WTVR 98.1 VA Richmond 1100  
 f/out  
 1128 WSDN 88.9 IN Notre Dame, IN nx? 1085  
 1715-1800 unIDs 88-90  
 1730 WEMU 89.1 MI Upsilanti, ID 1200  
 1758 WIAA 88.3 MI Interlochen 1255  
 2110-2115 unIDs to 94.7

5/25 tr  
 0227 KOPM 104.1 OK OK City, ID 420  
 0229 KKAJ 95.7 OK Ardmore, k, ID 335  
 0800 KEBC 94.7 OK OK City, local ad 420  
 0801 KCFO 98.5 OK Tulsa, ID 485

5/29 ms?  
 0805 WOI t 90.1 IA Ames, IA nx 880  
 tr 0902 KTCU 88.7 TX Ft. Worth, town ID 240  
 Es:  
 0902 KUSD 89.7 SD Vermillion, ID 920  
 soon f/out  
 1556-1645 KEYAT 88.5 ND Belcourt, NPR 1335  
 1840-1845 unID 89.1  
 1942 KBYU 88.9 UT Provo, local disc. 1045  
 1945 KLU 97.1 UT Salt Lake City, m. 1080  
 1947 KALL 94.1 UT Salt Lake City, local ad  
 1952 KCPK 98.7 UT Salt Lake City, local ad  
 1959 KCIC 88.5 CO Grand Junction, ID 870  
 2003 KZAN 97.9 UT Ogden, k, ID 1100  
 KRHO 93.3 UT Salt Lake City, UT nx 1080  
 2004 KRSP 103.5 UT Salt Lake City  
 2005 KSOP 104.3 UT Salt Lake City, k, ID  
 2007 KFACT 92.3 CA Los Angeles, c 1190  
 2010-2035 unIDs thru 105(cont.)

SOUTHERN FM DX

Dyer, cont.

JULY, 1980

5/29 Es  
 2039 KSUB 92.5 UT Cedar City, k, psa 1005  
 2043 KRCL 90.9 UT Salt Lake City, psa  
 (2045 - off to 144 MHz where some "underdense" scatter Es signals from San Diego were in)

2200 KHYTE 105.5 CA Hemet, Dodger bb 1110  
 KHAYT 100.7 CA Ventura, bb 1250  
 (back to 2-m with brief & strong direct Es into Los Angeles-San Diego area for some 45 min.)

2250 KWX 98.5 CA Cathedral City, area wx  
 2300 KPRIT 106.5 CA San Diego, r 1120  
 2302 KBIG 104.3 CA Los Angeles, area ads  
 2303 KGST 103.5 CA LA 1190  
 KRUZ 103.3 CA Santa Barbara 1270  
 KLJHT 102.3 CA Compton 1190

2308 KBBY 95.1 CA Ventura, local ad 1250  
 KLON 88.1 CA Long Beach 1180  
 KCSN 88.5 CA Northridge 1210  
 KSPC 88.7 CA Claremont 1160  
 KXLU 88.9 CA Los Angeles 1190  
 KVOT 89.1 CA Redlands 1130  
 KPCST 89.3 CA Pasadena 1185  
 KLLU 89.7 CA Riverside 1140  
 KCRW 89.9 CA Santa Monica 1200  
 XETRA 91.1 BCN Tijuana 22--  
 KUSCT 91.5 CA Los Angeles 1190  
 KVCR 91.9 CA San Bernardino 1135  
 KNX 93.1 CA Los Angeles 1190  
 KVIM 93.7 CA Coachella, Spanish 1070

2310 KQNT 95.7 CA 29 Palms 1065  
 KHTZ 97.1 CA Los Angeles 1190  
 2317 KWST 105.9 CA LA, r, ID  
 2320 KRTH 101.1 CA LA, ID  
 2325 KZLA 93.9 CA LA, area ads  
 tr KYKK 94.1 NM Humble City, ID 360  
 Es, cont.

2328 KTYD 99.9 CA Santa Barbara, local ads  
 KJOIT 98.7 CA Los Angeles, m 1190  
 2330 KNTF 93.5 CA Ontario, ID 1155  
 2340 KPPK 90.7 CA LA 1190  
 2343 KLOS 95.5 CA LA, area ads 1190  
 2350 apx f/out  
 (extremely rapid MUF fall as by 0000 down to Ch 5 on TV and about 3 minutes later 50 MHz gone!)

5/30 tr  
 1005 KMFA 89.3 TX Austin, got back 85  
 89.5 where they belong by 1205)

Es:  
 1930 WYSUT 88.5 OH Youngstown, c 1275  
 1940 WAUPT 88.1 OH Akron, r 1240  
 WKSUT 89.7 OH Kent, c 1255  
 WDBNT 94.9 OH Medina, m 1230  
 WKBN 98.9 OH Youngstown, m 1275  
 1942 WDUQT 90.5 PA Pittsburgh, c 1280  
 1955 WQEDT 89.3 PA Pittsburgh, c  
 1959 WHBC 94.1 OH Canton, psa, ID 1235  
 unIDs lingering to 2030

5/31 Es  
 1525-1540 unIDs to 94.5  
 1855 KESD 88.3 SD Brookings, ID 1020  
 1905 KEYAT 88.5 ND Belcourt, j, MUF 1335  
 1910 f/out 98.5  
 1940-2025 unIDs mostly 88-92

5/31 Es  
 1948 KELO 92.5 SD Sioux Falls, pol ad 975  
 KLYXT 93.5 SD Sioux Falls  
 1950 KIOV 104.7 SD Sioux Falls, k  
 1959 KUSD 89.7 SK Vermillion, wx 920  
 2000 lull to 2025  
 2240 KFSDT 94.1 CA San Diego 1120  
 XHRMT 92.5 BCN Tijuana 1100  
 XHIST 90.3 BCN Tijuana  
 2243 XHQFT 98.9 BCN Tijuana, Sp.  
 XHQST 95.7 BCN Tijuana  
 2244 KSDS 88.3 CA San Diego, ID 1120  
 2245 XETRA 91.1 BCN Tijuana, ID, ads  
 2250 f/out

6/1 tr  
 1030 KNFM 92.3 TX Midland, local ads 275  
 1032 KYKKT 94.1 NM Humble City 360  
 Es:  
 1035 KXLU 88.9 CA Los Angeles 1190  
 KLON 88.1 CA Long Beach, polkas 1180  
 KCRW 89.9 CA Santa Monica 1200  
 KPCST 89.3 CA Pasadena 1185  
 KCSN 88.5 CA Northridge 1210  
 KJOIT 98.7 CA Los Angeles, m 1190  
 1040 KNGB 97.9 CALong Beach, area ad 1130  
 1045 KVIM 93.7 CA Coachella, Spanish 1070  
 tr KLSN 104.1 TX Brownwood, ID 160  
 1048 XETRA 91.1 BCN Tijuana 1100  
 KUSCT 91.5 CA Los Angeles 1190  
 KVCR 91.9 CA San Bernardino 1135

1050 lull to 1110 and then mostly 88-89  
 1231 KCM 88.1 CO Manitou Springs, ID 740  
 1234 KNTF 93.5 CA Ontario, area ad 1155  
 1235 lull to 1300 then soon f/out  
 tr 1305 WRKF 89.3 LA Baton Rouge ID 450  
 Es 1915-1920 unIDs to 90.5

2035 KBYU 88.9 UT Provo, ID 1045  
 KCRL 90.9 UT Salt Lake City 1080  
 2038 KSUBT 92.5 UT Cedar City, k 1005  
 2039 KBRET 94.9 UT Cedar City, r  
 2051 KCPX 98.7 UT Salt Lake City, ads, ID  
 2055 KSOP 104.3 UT Salt Lake City, ID, k  
 2056 KZANT 97.9 UT Ogden, k 1100  
 tr WAFB 98.1 LA Baton Rouge, ID 450  
 Es 2115 f/out

As you can easily see, a lot of tr mixed in with the Es. Until the last week of May Es was a rare item on FM. May 1980 totals here: 5 days, 18 openings, 550 min., comparing to prior yrs. of data:

1979:	10-19-620
1978:	8-23-940
1977:	15-27-1280
1976:	13-24-655
1975:	15-29-910
1974:	12-29-1230

The persistent downturn is evident. However, did manage to get a goodly number of new loggings. Now having 144-MHz equip., when the Es MUF gets high (i.e., much over 100 MHz) my attentions will be there. The trop openings will also "suffer" to a lesser degree. 73, Pat WA5IYX

p. s. More June Es and big June 6 tr will have to wait until next time.



Tim McVey, Rt. 3, Box 568, Bolivar, TN 38008 - Mar. 1 to May 15  
 Equipt.: JVC JT-V22 stereo tuner, Finco FM-5 at 40' with Channel Master 9512A rotor

3/6 (All listings via tr)  
 0655 WZGC 92.9 GA Atlanta 276  
 3/7  
 2220 KTLA 98.1 TX Texarkana 319  
 3/8  
 0754 WSSO 106.3 MS Starkville  
 0759 KUHF 88.7 TX Houston  
 0903 KOOI 106.5 TX Jacksonville  
 3/20  
 2030 WACR 103.9 MS Columbus 126  
 2039 WACT 105.5 AL Tuscaloosa 172  
 2054 WNSL 100.3 MS Laurel 256  
 2100 WHHY 101.9 AL Montgomery 257  
 2110 WEZZ 97.7 AL Clanton  
 3/30  
 2115 WSLQ 98.1 MO St. Louis 230  
 4/4  
 0840 KSYN 92.5 MO Joplin  
 0850 KGRG 92.9 MO Hannibal-Quincy  
 0902 KLUP 97.9 OK Poteau  
 and lots of brief Es "blips"  
 4/7  
 0712 KAFM 92.5 TX Dallas 460  
 0715 KVIL 103.7 TX Dallas-Highland Park  
 0716 KTXQ 102.1 TX Ft. Worth, "Q-102"  
 0717 KNUF 101.5 TX Tyler, "K-news"  
 0719 KSCS 96.3 TX Ft. Worth  
 0724 KETR 88.9 TX Commerce  
 07-- KOAX 105.3 TX Dallas  
 4/8  
 0847 WHTB 92.7 AL Talladega  
 0902 WYTM 105.5 TN Fayetteville  
 0935 WQLS 100.7 TN Cleveland  
 4/13  
 1920 KAMA? 93.1 TX El Paso, probably a  
 short Es, talk in Spanish  
 4/18  
 2115 WNCE 101.1 LA New Orleans 379  
 4/24  
 Strong gulf tr to Mobile, Biloxi, New  
 Orleans, etc. Nothing new.  
 4/25  
 2310 KRAV 96.5 OK Tulsa 403  
 2320 KSWT 107.7 KS Topeka 458  
 4/26  
 0830 strong gulf tr again, Mobile very  
 strong, like locals  
 0901 WJLQ 100.7 FL Pensacola, "Q" 355  
 0904 WBOP 101.5 FL Pensacola  
 0855 WPCS 89.3 FL Pensacola  
 4/30  
 2005 WHJT 92.5 MS Clinton  
 2020 WJNS 92.1 MS Yazoo City  
 2030 WSLY 99.3 AL York, after 3 yrs. trying  
 2122 KAGH 104.9 AR Crossett  
 2128 KPMV? 107.9 AR Magnolia  
 2150 WMRV 101.1 IL East St. Louis  
 2330 WJBB 92.7 AL Haleyville

5/5  
 1550 KMAL 92.7 MO Malden  
 2006 WFRX 97.7 IL W. Frankfort  
 5/10-11  
 2049 KWJS 94.9 TX Arlington  
 2053 KOAX 105.3 TX Dallas 460  
 2058 KNOK 107.5 TX Ft. Worth, "K-O-K" 480  
 2100 KEPC 95.5 TX Waco 536  
 2124 WRFM 107.9 MS Poplarville  
 2141 KROK 94.5 LA Shreveport, "K-94" 336  
 2210 KYKX 105.7 TX Longview  
 2212 KOOI 106.5 TX Jacksonville  
 2215 KTXQ 102.1 TX Ft. Worth  
 2220 KTYL 93.1 TX Tyler  
 2230 KSCU 88.3 TX Keene  
 22-- KERA 90.1 TX Dallas  
 2250 KVTI 91.7 TX Dallas  
 2228 KAFM 92.5 TX Dallas  
 2236 KNUS 98.7 TX Dallas, "K-news"  
 2230 KBIJ 92.9 TX Wichita Falls, "K-bid"  
 2251 KETR 88.9 TX Commerce  
 2300 by now TX FM is like locals, with full  
 stereo quieting, and S-meter all the way to  
 the right! Most locals wiped out.  
 2255 KESS 93.9 TX Ft. Worth, Spanish  
 2302 KWTX 97.5 TX Waco  
 2303 KZEW 97.9 TX Dallas  
 2306 KPLX 99.5 TX Ft. Worth  
 2315 KEAN 105.1 TX Abilene, "keen country" 634  
 2337 KSNL 96.1 LA Lake Charles 428  
 2343 WWL 101.9 LA New Orleans 379  
 2345 WBYU 95.7 LA New Orleans  
 23--WBLX 92.9 AL Mobile, "the beat of the bay"  
 2346 WHER 103.7 MS Hattiesburg, classical mx!  
 2349 KAJN 102.9 LA Crowley  
 2350 WRNO 99.5 LA New Orleans, "the rock of  
 New Orleans"  
 0030 KRMD 101.1 LA Shreveport 336  
 0036 KFMN 107.9 TX Abilene 634  
 0740 (after SEVEN HOURS, conditions are  
 unchanged)  
 0744 WQXY 100.7 LA Baton Rouge  
 0746 KTDY 99.9 LA Lafayette, "today radio"  
 0836 KXEL 105.3 LA Slidell  
 0845 WPAP 92.5 FL Panama City 405  
 0847 WBOP 101.5 FL Pensacola 355  
 0850 WSJC 107.5 MS Magee  
 08-- WAJE 107.3 FL Pensacola, "wow-107"  
 0855 WPPM 107.9 FL Panama City  
 0900 WXBW 102.7 FL Milton  
 0906 WRMX 106.7 AL Enterprise  
 09-- WJAD 97.3 GA Bainbridge  
 0915 WRBS 105.7 AL Troy  
 0930 WTVY 95.5 AL Dothan #%)  
 0940 WJLQ 100.7 FL Pensacola, "Q"  
 1205 KTCU 88.7 TX Ft. Worth  
 12-- KGCC 89.7 TX Dennison  
 1212 KTXS 93.3 TX Killeen  
 1215 KCAF 94.5 TX Gainesville  
 1225 KHOO? 99.9 TX Waco, tent.  
 1302 KINB 107.9 OK Poteau  
 2200 WKCV 92.3 LA Laplace  
 2202 KQID 93.1 LA Alexandria  
 2204 WONO 89.9 LA New Orleans  
 cont.....

5/11 (all tr)  
 2210 WQUE 93.3 LA New Orleans  
 2212 WFSU 91.5 FL Tallahassee  
 2217 WBGM 98.9 FL Tallahassee  
 2233 WLMT 92.3 AL Montgomery

5/12  
 0645 severe COI on all VHF TV, schoolmates  
 report that Memphis locals don't come in.  
 I wish I had more time this morning!

0650 KSMB 94.5 LA Lafayette  
 WZGC 92.9 GA Atlanta  
 0653 WFDR 93.3 GA Manchester  
 WRAS 88.5 GA Atlanta

This has turned out to be a lengthy report! But that was the best tropo DX I have ever had. Three days of changeable weather brought in openings to TX, La, GA, and FL all at the same time, and 46 new stations. That new Finco antenna was sure handy, for a lot of those 46 would have been impossible without it. KAFM and KOAX stayed in in full stereo for over 22 HOURS! On the loggings for 5/12, I didn't have time to list the time for each station, but all were heard between 0645 and 0730. Station totals now 460 from 30 states. Maybe I will have a great Es to report next time around. 73 and GDX, Tim

Rick Sanford, 404 S. McNeill, Burnet, TX 78611 - May 7 to June 6 CDT

5/10 (All tr unless indicated otherwise)  
 0842 KBIM 94.9 NM Roswell  
 0845 KHOC 105.5 TX Levelland, ad, k, \$  
 2316 KKCC 106.9 OK Clinton, es- KWOC, promo  
 for new station by anchorman Jerry of Big 9  
 (KWTX?) (yes, DB) nx, still r, "KC Radio"  
 2356 KCFO 98.5 OK Tulsa, g

5/11  
 0000 WHWH 93.5 OK Altus, \$, r, s/off  
 0028 KARD 107.3 KS Wichita, now r, "the  
 music station"  
 0040 KSSN 95.7 AR Little Rock, k  
 0055 KSAZ 98.5 AR Little Rock, talk show  
 0059 KNCK 105.7 AR Siloam Springs, r  
 0102 KBUZ 106.5 KS Arkansas City, p  
 0105 KFGG 102.5 MO Joplin, s/off  
 0121 KLPQ 94.1 AR Little Rock  
 0656 KCKF 90.9 OK Edmond, s/on, now 3.3 kw  
 0702 KGOK 97.7 OK Pauls Valley, ID  
 0716 KNID 96.9 OK Enid, k, Bill Robinson  
 0719 KAEZ 107.7 OK Oklahoma City, ad, wx  
 0722 KLTE 101.9 OK OKC, "K-Lite-102-FM"  
 0729 KJIL 104.9 OK Bethany, "Son-Life Radio"  
 0731 KBUZ 106.5 KS Arkansas City  
 0744 KMAG 99.1 AR Fort Smith, m  
 0749 KZUE 102.7 OK OKC  
 0801 KICT 95.1 KS Wichita, p, "T-95"  
 0810 KMUW 89.1 KS Wichita  
 2035 KMAG 99.1 AR Ft. Smith, ABC E nx, ID,  
 wx/D/FW good but not much else in this  
 direction.)  
 2041 KHOM 104.1 LA Houma  
 2059 WOWW 107.3 FL Pensacola, ABC Y nx  
 2122 WFFM 107.9 FL Panama City, mixing  
 w/WRPM  
 2126 KCIL 107.1 LA Houma, ID barely  
 discernible with local carrier on.  
 2129 WMEZ 94.1 FL Pensacola, o/KQXY  
 2129 WPCS 89.3 FL Pensacola  
 2135 WXBW 102.7 FL Milton-Pensacola, k, ID,  
 "X-102", H. Cosell sports  
 2140 WBGM 98.9 FL Tallahassee, wx  
 2152 WKMX 106.7 AL Enterprise, ads

WRFG 89.3 GA Atlanta  
 WPCB 94.9 GA Atlanta  
 WJIZ 96.3 GA Albany  
 WKLS 96.1 GA Atlanta  
 WSB 98.5 GA Atlanta  
 WVEE 103.3 GA Atlanta  
 WRBL 102.9 GA Columbus  
 WHSY? 104.5 MS Hattiesburg  
 KGRA 103.7 LA Lake Charles, "nova-104"  
 WWOZ 90.7 LA New Orleans  
 0728 KDEA 99.1 LA New Iberia  
 Later on in the day came rain, T-storms,  
 and tornadoes. That front was responsible  
 for these three days of DX, right? (The moist  
 air out ahead of the front likely helped, too.)  
 DB

5/11  
 2208 WFSU 91.5 FL Tallahassee, c  
 2225 WLHQ 96.9 AL Enterprise, r, "Q-97"  
 2302 WKRG 99.9 AL Mobile  
 2359 WBAM 98.9 AL Montgomery, ID, UPE nx  
 5/12  
 0007 WLWI 92.3 AL Montgomery, ad, k  
 0016 WABB 97.5 AL Mobile  
 0050 WTKX 101.5 FL Pensacola, p  
 (rain and thunderstorm activity here  
 during the morning of 5/12)  
 2238 KWJS 94.9 TX Arlington, mentioned  
 receiving a call from a Tulsa listener, with  
 the station coming in loud and clear there.  
 2329 KBEZ 92.9 OK Tulsa, m  
 2340 KKOL 94.3 OK Okmulgee, ex KILLS, r  
 s/off at 2357 as "Oklahoma Sunshine"  
 2342 KMRJ 96.9 KS Pittsburg, promo

5/13  
 0011 KRAV 96.5 OK Tulsa, psa  
 0015 KTFX 103.3 OK Tulsa, now k  
 0028 KRIA 91.3 MO Columbia, j, "the Last  
 Radio Show," s/off at 0103 after local nx  
 (650 mi.)  
 0135 KMYO 92.1 OK Broken Arrow, ABC E nx,  
 ID, "Cameo music", OK #36  
 0159 KCFO 98.5 OK Tulsa  
 0654 KQDN 92.7 AR De Queen, item about  
 area school, AR Radio Net. nx  
 0710 KLPQ 94.1 AR Little Rock  
 0719 KLAZ 98.5 AR Little Rock  
 0730 KMAS 105.5 AR Nashville, wx w/ID  
 0731 KMAG 99.1 AR Fort Smith  
 0811 KSSN 95.7 AR Little Rock  
 0830 KLRN 90.5 AR Little Rock  
 0849 KMLA 103.9 AR Ashdown, ads, ID

5/24  
 0744 KPJH 94.3 TX Fort Stockton, TSN,  
 local nx  
 Sanford, cont.....

5/24  
0749 KWHW 93.5 OK Altus, "Rock-93"  
0829 KKCC 106.9 OK Clinton, ad, OK Nx Net.  
2341 KBIL 92.9 TX San Angelo, new, \$,  
auto rm

5/25  
0745 KNID 96.9 OK Enid, ad  
0759 KZUE 102.7 OK Oklahoma City  
0802 KMWU 89.1 KS Wichita, psa  
(DXing was hindered by late t/in & lack  
of time; then saw strong Es on TV shortly  
after 1900 but couldn't DX.)

5/26  
0750 KRAV 96.5 OK Tulsa, wx, "FM-96"  
0751 KXXY 96.1 OK OKC, concert info  
0756 KBUZ 106.5 KS Arkansas City  
0800 KMWU 89.1 IS Wichita, NPR  
0801 KEYN 103.7 KS Wichita, r, KCSW &  
KVIL nulled.  
0802 KLTE 101.9 OK OKC, K-Lite wx  
0806 KICT 95.1 KS Wichita  
0810 KNID 96.9 OK Enid, ad  
0811 KTFX 103.3 OK Tulsa, Miss Country  
FOX promo  
0816 KBEZ 92.9 OK Tulsa  
0819 KZUE 102.7 OK OKC  
0826 KATT 100.5 OK OKC, anct. about KWTV-9  
broadcasting its 1100 "Midday" pgm. live  
from "the cat" that day  
0832 KCKF 90.9 OK Edmond  
0838 KTLS 98.9 OK OKC, r, oldies

5/29 Es found at t/in  
2317 KJFM 102.1 CA Oceanside, m  
2318 KGB 110.5 CA San Diego, ads, ID  
2321 KJOI 98.7 CA Los Angeles, "K-Joy",  
ID, m  
2322 KLVE 107.5 CA LA, SS  
2324 KIQG 100.3 CA LA, ad  
2326 KWST 105.9 CA LA, "k-West," m  
2334 KXO 107.5 CA El Centro, ad, ID, m  
2340 KHTZ 97.1 CA LA, "K-Hits-97", r  
2344 KSON 97.1 CA San Diego, k  
2345 KWVE 107.9 CA San Clemente, ad, r  
2348 KPRI 106.5 CA SD, p  
2351 KROQ 106.7 CA Pasadena, "K-Rock"  
2356 KIPM 98.1 CA SD

5/30 Es  
0002 KITT 105.3 CA SD, "K-105", r  
0003 KPFD 94.1 CA SD, c  
0005 KXXY 96.5 CA SD  
0012 KJLH 102.3 CA Compton, s  
0015 KOST 103.5 CA LA, "Coast," ID, m  
0017 KWXY 98.5 CA Cathedral City, ad, ID, m  
0025 XETRA 91.1 BCN Tijuana, ad, "91-X"  
0032 KLON 88.1 CA Long Beach, c, CA Radio  
Music Net.  
0033 KSDS 88.3 CA SD, j

6/1  
0722 KTTL 93.9 KS Dodge City, k, promo  
for Monday eve. "Cattle Call" talk show,  
anyone know if Dodge City calls itself  
"the Continental City"?

0757 WAQT 94.1 AL Carrollton-Aliceville,  
ad, Sun. morn. g mx

6/1  
0758 WZLQ 98.5 MS Tupelo, "Z-99",  
Northeast Radio Inc., ID  
0759 WBHM 90.3 AL Birmingham

6/2  
0056 WEZI 105.9 TN Memphis, ID, nx  
0118 WZZQ 102.9 MS Jackson, ads, "ZZQ-102"  
0131 WQLT 107.3 AL Florence, r  
0753 KIMO 98.9 MO Kennet, ID, g  
0758 WBAM 98.9 AL Montgomery, now r, "99-FM"  
0810 KAEZ 107.7 OK Oklahoma City, ad  
0836 KLPQ 94.1 AR Little Rock, "KAAY, KQ-94"  
0842 KLAZ 98.5 AR Little Rock  
0844 WNC 99.7 TN Memphis  
0853 WEZI 105.9 TN Memphis  
0837 WBHM 90.3 AL Birmingham  
0859 KLRE 90.5 AR Little Rock, "Your Fine  
Arts Station"

6/3  
0045 WKPT 98.5 TN Kingsport, ID, 990  
"\$-98", m  
0105 WXBQ 96.9 VA Bristol, ABC I nx, 1010  
k, tr state #17 pending xmtr location  
0132 WRSA 96.9 AL Decatur, wx, ID, m,  
WXBQ ID again at 0205  
0159 WJDQ 101.3 MS Meridian, "Q-101"  
0159 WQUT 101.5 TN Johnson City, "QT-101"  
990 mi.  
0759 KENW 89.5 NM Portales, NPR, \$  
0811 KTQM 99.9 NM Clovis, ad, wx  
0845 KKQQ 99.1 NM Clovis  
2259 KDDC 106.1 TX Denton, ex KDNT, k,  
"D-106"  
2320 WPFM 107.9 FL Panama City, r  
2320 WOWW 107.3 FL Pensacola, wx  
2355 WMEZ 94.1 FL Pensacola, ID, nx  
2359 WKSJ 94.9 AL Mobile, k

6/4  
0010 WTKX 101.5 FL Pensacola, psa  
0700 WKSJ 94.9 AL Mobile  
0702 KBIM 94.9 NM Roswell, ad  
0714 KKQQ 99.1 NM Clovis, wx  
0800 WPCS 89.3 FL Pensacola  
0849 KPQM 99.9 NM Clovis, "Q-100", ID  
0859 KENW 89.5 NM Portales, wx, ID  
0901 WKRG 99.9 AL Mobile, "G-100"  
2358 KBIM 94.9 NM Roswell

6/5  
0131 KBUY 94.1 TX Amarillo, ID, nx  
0200 KENW 89.5 NM Portales, s/off  
0812 KBUY 94.1 TX Amarillo, k  
0816 KGNC 97.9 TX Amarillo, m  
0819 KACV 89.9 TX Amarillo, psa  
0829 KRIZ 97.1 NM Roswell, wx, promo  
0834 KBIM 94.9 NM Roswell, wx  
0851 KYTX 98.7 TX Amarillo, ad, "KY-99"

6/6  
0103 KSWT 107.7 KS Topeka, "K-Sweet," m  
0122 KARD 107.3 KS Wichita  
0132 KNCK 105.7 AR Siloam Springs, wx  
0138 KBUZ 106.5 KS Arkansas City, "the Buzz"  
0700 KENW 89.5 NM Portales, s/on  
0715 KGNC 97.9 TX Amarillo  
Samford, cont.....

6/6  
0719 KKQQ 99.1 NM Clovis, ID, r  
0723 KYTX 98.7 TX Amarillo, ad  
0754 KTQM 99.9 NM Clovis, ad, r  
0388 KWAS 101.9 TX Amarillo, g  
0844 KQIZ 93.1 TX Amarillo, "KQIZ, Z-93"  
0904 KPAN 106.3 TX Hereford, ad

Another poor skip season appears to be shaping up. However, this has been partially offset by the tr, which has netted me more new stations by that mode than any comparable period in over two years. Almost everything from the North was under 500 miles, while there was a fair amount of 600+ mi. tr from the easterly direction. Strangely enough, the only 950+ mi. trans-Gulf activity during May was the weak 6/7 session reported last month. Of this month's activity, the June 3 tr into eastern TN and VA certainly ranks as the most interesting.

Neil Dickerson's 105.7 unID in his Feb. VUD report is most likely KNCK, as it has r and frequently uses a "K-106" slogan.

Neil Dickerson, 426 State St., Sharptown, MD 21861

5/23 (First Es of the season!)  
1800 KSYN 92.5 MO Joplin, r 1050  
1806 KATT 100.5 OK OK City 1250  
1815 KMCD 97.5 OK Tulsa 1150  
1830 KVTT 91.7 TX Dallas 1275  
1900 KEBC 94.7 OK OK City 1250  
1916 KXTX 88.1 TX Lubbock 1525  
Severe trop to N. NJ and NYC area:  
1955 WCVH 90.5 NJ Flemington, 38 wts 170  
2030 WSCU 89.5 NJ S. Orange 200  
2041 WNTI 91.9 NJ Hackettstown 190  
2100 WPWT 91.7 PA Philadelphia 150  
2100 WDRR 91.3 DE Newark 110  
2109 WBAU 90.3 NY Garden City 240  
plus all N. Y. C. stations

5/25 gw  
0100 W265AC 100.9 MD Salisbury 18  
Kiss 100.9 goodbye.

5/27 (severe trop to E. NC)  
0600 WKNS 95.1 NC Kinston, k 275  
0615 KRKB 99.7 NC Kannapolis 360  
0638 WCCE 90.1 NC Bules Creek 285  
0700 WPGT 90.1 NC Roanoke Rapids 200  
7 am s/on  
0704 WQSM 98.1 NC Fayetteville, r 320  
0720 WFJC 99.9 NC Burgaw-Wilmington, g  
0730 WSTS 96.5 NC Lauringburg 350  
0745 WOBW 95.3 NC Wanchese, m 200  
0800 WAZZ 101.9 NC New Bern, k 250  
0815 WYYD 96.1 NC Raleigh, m 260  
0823 WRCM 92.1 NC Jacksonville, "92 RCM"  
1930 WMPR 88.1 SC Sumter 430  
1935 WNHK 89.7 SC Columbia 450  
1941 WQXX 92.1 NC Morganton 390  
2000 WGLD 100.3 NC High Point, m 310  
2015 WRTC 104.3 NC Tarboro, k 225  
2030 WFMA 100.7 NC Rock Mt., k  
2100 WHPE 95.5 NC High Point, g 310

0936 KBUY 94.1 TX Amarillo  
1304 KLOQ 106.1 KS Lyons, ad  
1310 KTTL 93.9 KS Dodge City, ad, livestock  
report  
1314 KGNO 95.5 KS Dodge City, ad  
1952 KCFD 98.5 OK Tulsa

5/29  
0600 WSOB 103.7 NC Charlotte 380  
0630 WSPF 106.5 NC Bridgeton 250  
0630 WROQ 95.1 NC Charlotte, r 380  
0651 WMIT 106.9 NC Black Mt., g 430  
0700 WBCY 107.9 NC Charlotte 380  
0730 WSEB 103.7 NC Williamston 210  
Es:  
1800 WMCU 89.7 FL Miami 975  
1800 WAFG 90.3 FL Ft. Lauderdale 950  
1320 WHRS 90.7 FL Boynton Beach 925

5/30 Es  
1957 KOSU 91.7 OK Stillwater 1210  
2000 KBFL 90.3 MO Buffalo 975  
2000 KCSC 90.1 OK Edmond, "90 FM" 1250  
2030 KACV 89.9 TX Amarillo 1500  
2030 KUT 90.5 TX Austin 1410  
2036 KQIZ 93.1 TX Amarillo, "Z-93" 1500  
2041 KBUY 94.1 TX Amarillo  
2055 KGNC 97.9 TX Amarillo  
2100 KWAS 101.9 TX Amarillo, g  
2108 KKNG 92.5 OK OK City, m 1250  
2115 KBEZ 92.9 OK Tulsa "Easy 93" 1150  
2120 KMYO 92.1 ?? ?? "Cameo 92", k  
(You had Broken Arrow, OK, DB)  
2130 KAMA 93.1 TX El Paso, 2 Es?? 1775  
2132 KUNM 90.1 NM Albuquerque, 2 Es?? 1775  
(State #41)  
2145 KASO 95.3 LA Minden 1190  
2200 KATT 100.5 OK OK City 1250  
2204 KKAJ 95.7 OK Ardmore 1250  
2215 KVLU 91.3 TX Beaumont 1230  
2230 KXXY 96.1 OK OK City 1250  
2230 KSNS 96.1 LA Lake Charles, "\$-96" 1175  
2231 KSLI 96.9 LA Alexandria, m 1100  
2240 KWDC 96.7 OK Idabel, "\$-96" 1100  
2245 KQXY 94.1 TX Beaumont 1230  
2300 KORQ 100.7 TX Abilene, "Q-100" 1450  
2315 KJAK 92.7 TX Slaton 1525

The season finally got going on 5/23. The opening to Eastern NC was the most intense ever heard from that direction. The 5/30 skip was fantastic. The logging of KUNM was very unexpected as I was looking for KSAU and KSYN.

MORE GREAT DX  
CONTINUES!!

# FM96 KRAV

Greg Monti, 1110 Fidler Land #1424, Silver Spring, MD 20910 - Apr. 12 to May 30

Equip.: Pioneer TX-9800 tuner, BIC FM-8 Beam Box antenna, indoors, but 130 ft. above ground.

4/12 tr  
0230 WEZS 103.7 VA Richmond, m, \$, "EZ-radio"  
0245 WSBA 103.3 PA York, m, \$  
0259 WSUX 98.3 DE Seaford, r, \$  
0306 WHP 97.3 PA Harrisburg, m, \$  
0323 WQVE 93.5 PA Mechanicsburg, r, \$, "QV-93"  
0324 WRHY 92.7 PA Starview, p, \$, "Starview 92", Source net

4/18 tr  
0253 WIFI 92.5 PA Philadelphia, r, \$  
"Wyebye"

4/25 tr  
0315 WOWI 102.9 VA Norfolk, sr, \$, "wowie"  
5/17 tr  
1128 WTVR 98.1 VA Richmond, m, \$  
5/19 tr  
0100 SBA 93.5 DE Georgetown, r, \$, "C-93"

I never thought I'd be able to get decent FM DX in a metro area with all the local overloading. I am duly impressed by the TX-9800/FM-8 combination, but I warn that coaxial cable must be used to interconnect the two. The supplied 300-ohm twinlead only makes overloading/spurs/multipath worse and distorts the antenna pattern. I have 50 regular groundwave FM's, almost as nice as living on Long Island with a rotor. 73.

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74074 - May 11 to Jun 11

Equip.: Pioneer TX-9100 tuner, 10 el. Antennacraft ant., 35' AGL w/rotor

5/11 tr  
0915 KRMD 101.1 LA Shreveport, ID, k 320  
0930 KWTX 97.5 TX Waco, nx, ID, strong "  
0938 KIOC 106.1 TX Orange, ad, r 460  
0955 KQIP 96.9 TX Odessa, ID 420  
1000 KNFM 92.3 TX Midland, wx, TSN, ID  
1035 KNCT 91.3 TX Killeen 260  
(other TX relogs also in)

5/24 tr  
2014 KBLT 107.1 KS Baxter Springs, k, ID

5/25-26 tr  
0956 KHCC 90.1 KS Hutchinson, c, \$ 150  
0957 KNDY 103.1 KS Marysville, ID 265  
2247 KFYZ 98.3 TX Bonham, ID 200  
2251 KLBJ 93.7 TX Austin, ID, \$ 410  
0010 KLOL 101.1 TX Houston, ID 460  
0028 KQXX 98.5 TX McAllen, ID, SS 690  
0042 KELT 94.5 TX Harlingen, ad, ID 690  
(First time tr heard from this part of TX)  
0045 KTAL 98.1 TX Texarkana 255  
0050 KTLR 107.1 TX Terril  
0055 KHYS 98.5 TX Port Arthur, wx, r  
0104 KRMD 101.1 LA Shreveport, wx, strong \$  
0118 KMVC 106.9 TX Conroe, "Son-Life 107"  
0158 KYKR 93.3 TX Port Arthur, "Kicker Country," wx, ID 465  
0200 KYKX 105.7 TX Longview-Tyler-Marshall  
(Many unlogged Houston freq. in but faded out before ID could be made.)

0845 Dallas-Fort Worth in very strong \$  
0854 KHOO 99.9 TX Waco, strong 320  
0950 KSLE 105.5 OK Seminole, psa 65  
(I was amazed this overwhelmed local KVRO

22 when antenna aimed SSE, probably not such a

5/20 tr  
0058 WDBD 96.5 PA Philadelphia, t  
5/22 tr  
0138 WRVQ 94.5 VA Richmond, r, \$, "Q-94"

5/30 tr  
0151 W DAS 105.3 PA Philadelphia, s, \$  
0155 WWSH 106.1 PA Philadelphia, m, \$, "WISH"  
0158 WSLT 106.3 NJ Ocean City, m, \$  
0201 WNGM 103.7 NJ Atlantic City, rm, \$  
0206 WUSL 98.9 PA Philadelphia, rm, \$  
"US-1, "FM-99"  
0209 WFLN 95.7 PA Philadelphia, c, \$  
0212 WSTW 93.7 DE Wilmington, r, \$, "Rock-93-7"  
0214 WFOG 102.9 VA Norfolk, m, \$  
0234 WOBM 92.7 NJ Toms River, rm, 4  
0236 WMMR 93.3 PA Philadelphia, p, \$  
0239 WAYV 95.1 NJ Atlantic City, d, "FM-95" \$  
0241 WWOQ 94.3 NJ Avalon, m, \$, "Stereo 94"  
0245 WFPG 96.9 NJ Atlantic City, m, \$, "FM-97"

tough feat, though, considering that KVRO is on the flea powered side and I'm barely in their primary coverage area.)

1000 KSDW 100.9 OK Sulphur, ID, nx 115

5/29 Es  
2115 KNCT 98.3 AZ Prescott, ID, nx 890  
2135 KJOK 93.1 AZ Yuma, "K-jok" 965  
2139 KBBC 95.1 AZ Phoenix 895  
2148 KOOL 94.5 AZ Phoenix  
(first Es of season but in on it late)

5/30 Es  
1859 WPFW 89.3 DC Washington 1105  
1900 WAMU 88.5 DC Washington  
1901 WCRH 90.5 MD Williamsport  
1905 WFOG 93.1 MD Baltimore, wx 1125  
1911 WSTW 93.7 DE Wilmington, ID, strong \$  
1915 WFRE 99.9 MD Frederick 1220  
1917 WWSH 106.1 PA Philadelphia, m  
1920 WIOG 102.1 PA Philadelphia, ad, r  
1924 WTRR 100.7 MD Westminster, ID  
1926 WMZQ 98.7 DC Washington, "98 MZQ"  
1927 WGAY 99.5 DC Washington, nx  
1929 WZRR 106.7 VA Manassas  
1939 WLRB 92.7 DE Rehoboth Beach, ad  
1945 WQFO 100.7 VA Harrisonburg, ad 1120  
1948 WICO 94.3 MD Salisbury, ID, k 1200  
1953 WSUX 98.3 DE Seaford, ID  
1955 WTRT 95.9 DE Bethany Beach, ad 1220  
2000 WFLS 93.3 VA Fredericksburg, ID 1060  
2009 WEDY 106.3 VA Bluefield 900  
2023 unID 92.3 ?? "Musie radio K92 FM", ad mention a King's?? nightspot in Princeton, WV  
2024 unID 93.7 ?? "Nobody rocks the 80's like K94", ad for "Audio Connection" in mall

5/30 Es  
2035 WRNS 95.1 NC Kinston, k 1120  
2036 WRSV 92.1 NC Rocky Mount, ad  
2039 WQDR 94.7 NC Raleigh, 1050  
2043 WRXK 98.7 NC Greensboro, ad 990  
2045 WYDZ 96.1 NC Raleigh, nx  
2047 WQDR 96.9 NC Goldsboro, "Q-98", ad  
2049 WQSM 98.1 NC Fayetteville, ad, "-98"  
2058 WMBL 95.9 NC Morehead City, ad  
2059 WRKB 99.7 NC Kannapolis, g, ID  
2100 WSHA 88.9 NC Raleigh, ID 1060  
2102 WRCM 92.1 NC Jacksonville, ID  
2102 WDAV 89.9 NC Davidson  
5/31 tr  
2105 KIRK 106.3 MO Branson, ID, bb 220

6/1 tr  
1031 KXKZ 107.5 LA Ruston, wx, ID  
1215 KDCC 95.5 KS Dodge City, wx, in strong  
1217 KXXX 100.3 KS Colby, ad, "KX-100", \$  
1220 KABI 98.3 KS Abilene, \$ 190  
1225 KSPZ 92.9 CO Colorado Springs, "Z-93"  
1230 KRPM 96.5 CO Colorado Springs, ID 460  
(Good grief, it's Pikes Peak Country! Any opening to the Rockies is extremely rare for my location. After a 6 1/2 yr. wait it was much welcomed, actually one of my ideas of a Rocky Mountain High.)

1235 KKNY 98.9 NB Kearny, ID 340  
1257 KEYE 95.9 TX Perryton, ID  
1300 KLMR 93.3 CO Lamar 340  
1315 KZTP 98.7 TX Amarillo 275  
1318 KTQM 99.9 NM Clovis, ID 370  
1331 KRDO 95.1 CO Colorado Springs, ID 470  
1400 KSLB 99.3 KS Liberal, ID  
1404 KFMP 101.1 KS Oberlin, ID  
1406 KROA 95.7 NB Grand Island, ID, g 350  
1407 KRGI 96.5 NB Grand Island, k  
1435 KRDF 98.3 TX Spearman, ID 205  
1501 KLMR, Lamar still in good while others fade  
1544 KQXY 105.9 Kearny??, "We're KQ-106 for Hastings" r, ad, wx, \$ 340  
1548 KJFF 106.9 MO Jefferson City, ad 320  
1700 KRES 104.7 MO Moberly, ID, k, weak 345

6/2 tr  
1956 KBFL 90.3 MO Buffalo, ID 245  
2000 WSIK 88.7 IL Edwardsville, ID 450  
2004 KRES 104.7 MO Moberly, ID 345  
2009 WMRV 101.1 IL El St. Louis, nx, ID 425  
2031 KMFL 102.9 MO Marshall, wx, ID 300  
2119 Kansas City in good 250  
2130 KIEE 100.7 MO Harrisonville 235  
2141 Memphis in good 405  
2146 KSLQ 98.1 MO St. Louis 410  
2156 KCMW 90.9 MO Warrensburg, \$ 260  
2200 KFIN 107.9 MO Jonesboro, \$ 360  
2340 KKKX 95.7 KS Ottawa, ad

6/3 tr  
0728 WKYX 106.9 AL Birmingham, "Kicks" 620  
0730 WMBW 88.9 TN Chattanooga, ID 680  
0747 WFSJ 106.7 SC Orangeburg, ID 950  
(previously by Es)  
0801 WDWQ 107.5 SC St. George, ID 975  
(My farthest tr now)(Had no more time to tap this pipeline)

6/3 tr  
0802 Memphis in good 405  
2030 WSJC 107.5 MS Magee, ID 505  
2032 WKVY 106.7 MS Vicksburg, ad 445  
2048 WQWZ 95.1 MS Natchez-Vidalia 460  
2054 WYNN 101.5 LA Baton Rouge, ID, psa 525  
2057 WAFB 98.1 LA Baton Rouge, ID, r 525  
2100 KPMV 107.9 AR Magnolia, ID, bb 300  
2304 WZZQ 102.9 MS Jackson, ID, rp 480  
2325 KACQ 106.3 AR Hot Springs, ID, k 255

6/4 tr  
0736 KXKZ 107.5 LA Ruston, ID, k 360  
0748 WPMO 99.1 MS Pasagoula, ID ad 635  
0756 WKSJ 94.9 AL Mobile, wx 645  
0757 WKRC 99.9 AL Mobile, nx  
0759 KUHF 88.7 TX Houston, j 465  
0800 WHLL 91.3 AL Mobile, ID  
0817 WNOO 89.9 LA New Orleans, ID 590  
1001 WJTG 100.7 LA Pensacola 695  
1010 WJMI 99.7 MS Jackson, ID 480  
1016 WQXY 100.7 LA Baton Rouge, ID 525  
1900 KSUC 88.3 TX Keene 260  
1901 KTCU 88.7 TX Fort Worth, j 245  
2110 KMBQ 93.7 LA Shreveport, r, ID 320  
2129 KEZQ 100.3 AR Jacksonville, nx, ID 295  
2220 KALO 95.1 TX Beaumont, ad, "K-low 95's

6/5 tr  
1009 KIOC 106.1 TX Beaumont 460  
1028 KTAL 98.1 TX Texarkana, ID 255  
1030 KRMD 101.1 LA Shreveport, ID, k, \$, 320  
"Home of the LA hayride"  
2005 KVIE 105.9 AR Conway, ID  
2103 WZZQ 102.9 MS Jackson, ad  
2157 WPFM 107.9 FL Panama City, ID, ad \* 790  
2207 unID 98.7 ?? "The all new Q-99"  
2224 WAJB 107.3 FL Pensacola, wx "wow 107"  
2232 KTMO 98.9 MO Kennett, ID 390  
2236 WJMI 99.7 MO Jackson, ID, "J-100"  
2239 WRNO 95.5 LA New Orleans, ad 590  
2245 WBYU 95.7 LA New Orleans, ad  
2300 WHRK 97.1 TN Memphis, ID, strong \$ 405  
(\* previously by Es)

6/6 tr  
0802 KQOQ 99.1 NM Clovis, nx, ID 360  
0826 KATX 97.3 TX Plainview 305  
0830 KBIM 94.9 NM Roswell, ID 470  
0950 KHIZ 97.1 NM Roswell, ad  
1028 KEYE 95.9 TX Perryton  
1035 KCOT 104.7 TX Lamesa, nx, wx  
1926 WENN 107.7 AL Birmingham, ID  
1930 KEZQ 100.3 AR Jacksonville, ID, m. 295  
2145 WKMX 106.7 AL Enterprise, ad, ID 730  
2147 WKVY 106.7 MS Vicksburg, "KY-107", wx  
2154 KSNN 95.7 AR Little Rock  
2200 WKEL 105.3 LA New Orleans, ID  
2221 WHKW 98.1 AL Fayette, ID  
2230 WJFR 96.3 MS Jackson, ID  
2348 KYNN 94.1 NB Omaha  
2358 KBCN 95.5 IA Sioux City, ID

6/7 tr  
0015 KQIP 96.9 TX Odessa  
0030 KBIM 94.9 NM Roswell, ID, m  
0031 KKKK 99.1 TX Odessa, "Quad k"  
0100 KTXI 88.1 TX Lubbock, sign off 325

cont.

6/7 tr  
 0105 KLLL 96.3 TX Lubbock, ID  
 0111 KLEK 94.5 TX Lubbock, ID  
 (Other Lubbocks in)  
 0901 KMUL 103.1 TX Muleshoe, ID

6/8 Es  
 1936 KXLU 88.9 CA Los Angeles, ID 1220  
 1954 KIQQ 100.3 CA LA, ID, r  
 1955 KGAB 95.9 CA LA

6/8 Es  
 1956 KBBY 95.1 CA Ventura  
 2000 KCSN 88.5 CA Northridge  
 Tr--Little Rock & Memphis in good\$ plus:  
 2320 WKMX 106.7 AL Enterprise, "KMX"  
 2340 WALT 97.1 MS Meridian, "ALT"  
 2357 KXKZ 107.5 LA Ruston  
 2358 KLEQ 99.3 AR El Dorado, first new AR  
 logging in years.  
 2359 WNSL 100.3 MS Laurel, s/ off  
 0000 WRAM 98.9 AL Montgomery, ID

The May 29-June 8 period was unprecedented here in my 6 1/2 yr. DX history. 11 days in a row containing good dx was unheard of, as well as undreamed here. DX came in from nearly every direction during that period, though not at once. Now that it's over, I find I've just about cracked the 1000 mark in total logged. Here's what the local paper had to say about one of the tr openings:

## CABLE TV WOES EYED

Subscribers to Frontier Cablevision complained this morning of flickering pictures and harsh horizontal lines, a short lived phenomenon caused by an approaching cold front, and one that usually disappears in 15 to 30 minutes. David Spencer, Cablevision spokesman, said signals broadcast from Texas on the same channels normally received from Oklahoma City stations, are bouncing off the dense layer of cool air just ahead of the approaching front, and being picked up by the Stillwater receivers.

"For example, our antennae do not distinguish between two channel Fours," he explained. With a strong signal coming in from Dallas on the same wave lengths as those from Oklahoma City, we get two identical signals. The problem is that they are not perfectly synchronized with one another, resulting in flickering horizontal picture patterns on the home viewing screen. Depending on the speed with which the front is moving, the problem is gone within an half hour. At times there will be a short term repetition of the same faulty viewing just after the front has moved through. Early this morning the front was coming directly from the south, and 'carried with it' all Dallas broadcast signals. There is no way to un-mix, or prevent reception of one or the other of two identical signals," Spencer said. "Sometimes the home viewer can switch to an identical network broadcast from Tulsa, when the problem is on an Oklahoma City channel, but aside from this, about all one can do is wait, and hope the front moves through rapidly." (From the Stillwater News-Press, 5/28)

Randall B. Clark, Rt. 9, Box #231(Dutch Ridge), Parkersburg, WV 26101 - May 6 to June 4

What a fantastic period it's been, even though I didn't snag all the stations I wanted, sure did enjoy myself. I went to the NRC's YAD '80 in Girard, OH, near Youngstown, OH from 5/24-26th, enjoyed myself throughly, meeting a few WTFDA members as well as some others who do AM DXing as well as FM DX. I met the "infamous" zapping Frank Merrill of Toledo, OH. Jim Wallace, Columbus, OH and Dave Grimm, Akron, oh, plus many others! Of course, as you certainly can guess there were the "interesting" bull sessions which lasted until 12:30 am or so, Earnie Copper, Provincetown, MA, who has been std AM DX for well over 40 years(!) was there, says he'll join WTFDA soon(or already has), all in all, it was a very nice informal DX get-together of which I shall make an annual event for sure! I would like to see many more WTFDA members at the next YAD'81 gathering--almost forgot to mention Joe Fela, S. Plainfield, NJ was there as well as Paul Mount, Teaneck, NJ/ Nelsonville, OH.(who came in after we got back to my residence to visit my setup)

Well, that just about wraps up things here...be glad to accept any sticker, etc. that you could relieve yourself of, if at all possible. I shall try to send to each one who sends me stickers, some of my area stickers, etc. 73's and the best of DX!!

5/18 tr  
 1325 WLGW 98.3 OH Logan, Paul Mount mentions on air of my reception here which some don't believe could be done, evidently their not DXers...hi

5/19 tr  
 0214 WFGC Washington, DC, WXIL off  
 0230 WFMX 105.7 NC  
 0215 WKYS 93.9 DC Washington  
 0248 WRQK 98.7 NC Greensboro, QSLing  
 0306 WEZC 104.7 NC Charlotte

5/24 tr  
 0101 WFPW 89.3 DC Washington  
 2115 arrived from YAD '80, showed Paul Mount my apparatus, etc., noted in Buffalo, OH on way back that WLGW in at 83 miles, Mount saying that it beats my RX of them---HI.. at 45 miles.

5/27 tr  
 0900 noted all classB/C's in like locals!  
 (stuff burned off by 1300)  
 [Clark's report to continue next DB] month.

####

# QSL CORNER

FM-QSL's

ON CHEZ 106.1 Ottawa. Letter, folder, rate card, coverage maps, etc. from Chuck Azzanello, Station Manager. Transmitter location in Camp Fortune, PQ. Says he often listens to FM stations on the CN Tower at night & suggests I look for them (thus misunderstanding the difference between my Es reception & his tropo). Reply in one week. Wood

IL WFVR 103.5 Chicago, Prudential Plaza, 23rd floor, 60601. Warren Shultz send coverage-map & my prepared letter form. Eddie

WGBO 92.7 Galesburg, Radio Village Mall, 235 E. Main St, 61401. Rick Health, Program Coordinator send letter & my prepared letter form. Eddie

WDBK 99.3 Havana, 200 N. Plum, 62644. Send letter & coverage maps from Station Manager first name unreadable, last name of Stimpson. Eddie

WGLT 89.1 Normal, Ill. State Univ, 61761. David Mulcahey, CE send back my prepared form letter. Eddie

WCAZ 92.1 Carthage, 84 S. Madison, 62321. Send back my prepared letter form with signer name of Vickie last name unreadable, but is General Manager. Eddie

WKOX 101.1 Chicago, Merchandise Mart, 60654. Short verie note from Joel Hodroff, Mgr. Tech. Op. Eddie

MA WSSH 99.5 Lowell, 4 Broadway, 01853. A rather confused, equivocally worded verie letters denies some of the specifics of my report based more on generalizations about the station & misinterpretations of my report, rather than by checking precise station operation for the date & time of my report. Thus it says "If you heard a recorded voice of a person such as (Connally Police Chief) being interviewed, it was not us. We don't interview newsmakers. But I never claimed or reported an interview with Connally. I only reported a news item about Connally. Then, my report was for news at 10:55am. Eric Johnson, WSSH, Ops Mgr, says "Our newcast normally gets underway at 10:56 or later." Regardless of what happens "normally", I heard it at 10:55 (& continuing through 10:56). After reflection, I am counting this one---the quibbling & equivocation tends to confirm my report all the more. Also send dial cards & coverage map in 1 week. Wood

MI WLXX 95.9 Forest Lake, 631 S. Lake St, 55025. William R. Merritt, CE sends a specific verie, marvelling at my ability to separate them from Ashland, Wisc. also on 95.9mhz Elving

NH WOKO 97.5 Dover, box 576, Middle Rd, 03820. Inspecific letter from J. J. Jeffrey, Ops Dir. Enclosed info sheets. Says "You can tell your fellow DXers that you hold the record as far as we're concerned: reply in 1 week. Wood

WXLO 103.7 Berlin. Letter & coverage map, bumper sticker & 2 rate cards in 1 week from Robert R. Powell, Pres. Says that my report was the most distant by far. Previous record was only 125 miles. Wood

NC WXRC 95.7 Hickory. Elmer Troutman, CE & station manager sends specific, friendly letter, accusing me of being most distant-ever listener. Elving

WDDO 97.7 Kinston. Bob Deane, Ops Man. mentions the most distant listener at 1030 miles, even though they have trouble covering a town 20 miles to the east of them. Elving

VT WEZF 92.9 Burlington. Letter with very specific verification text from Budd White-book, Ops. Man. & coverage map in 1 week. Wood

WNHV 95.3 White River Junction. Letter, dial stickers, profile sheets maps, etc, in 1 week from Andrew D. Leckhart, CE. Says it was received only one skip from Omaha in July 1977. Wood

Reporters this all fm qsl month are: Richard Eddie of St. Louis, MO, Bruce Elving of Duluth, MN & Richard E. Wood of Cape Girardeau, MO who says "I have been experimenting with including return postage in some reports & none in others. I find it makes no difference. Very rarely are the stamps which enclosed used." I need some more new reporters & old reporters to keep on reporting qsl's for I am running low again. I hate to have a column of just 2 or 3 reporters. I thank you all for reporting when you do. 73's and good dx'ing.

Tom Yingling

Eastern TV DX		JULY 1980	
Bill Fahber cont'	23 Es 1759 KMVT-3 NE 1100	30 Tr 2125 WVIT-30 CT 210	
7 Tr 1830 WWBT-12 VA 170	1930 UnIDed-3 PBS	2159 WNYE-25 NY 120	
WTVZ-33 VA 180	1749 KTBS-3 IA T	2200 WEDN-53 CT 220	
18 0100 WVIR-29 VA 210	1800 WTVJ-4 FL 1000	WEDW-49 CT 180	
WXIX-8 VA 200	Miami-2 1000	WEDH-24 CT 210	
23 2328 WLTV-21 NY 125	30 Tr 0300 WWLP-22 MA 230	2214 WWTI-56 MA 300	
2330 WXTV-41 NJ 115	0700 WDCD-19 MA 250	2230 WATR-20 CT 190	
2350 WWHT-68 NJ 105	2100 WTNH-8 CT 180	2330 WGGW-40 MA	
	WJAR-10 RI 260	Es 2000 WBRZ-2 LA	
May			
3 Tr 2200 UnIDed-35, SS	WSBE-36 RI 260		
W/WXTV-41 ID	WXNE-25 MA 300		
6 2300 WTVB-51 PA	WWLP-22 MA T		

the first one. I had ch. 51 written down as WTVB in Reading, PA. I got those call letters from the 1980 "Communications World" magazine (the same one that told me I could join for \$11.00, landing me a ten month membership) (Tsk, tsk, ed.). I found out that ch. 51 was translator station W51AC, no longer broadcasting (they applied recently to the FCC to transmit from Reading on ch. 60). However I have received WTVB a few times in the past two months. I really got tripped up on May 30. My antenna was pointed west when E-skip came in. It wasn't until 9:00 PM that I realized E-skip was gone and all this interference was from strong tropo from the Northeast. Once I got my antenna pointed right, you can see what I got in. I also got in ch. 60, probably the translator station belonging to WWHT, ch. 68 in Newark, NJ (they are both STV). In fact WWHT was coming in strong, with heavy 10 kHz offset interference, which I'm sure was WQTV in Boston (another STV). I also got several unidentified stations; I'm hoping to find out what they were." As I have been reporting to you in recent issues, llamas are very, very dangerous. For those nonbelievers, read this which Bill sends in: "I'llll have you know that my daughter was attacked by one of those ghastly creatures (llama, ed.) in the Philadelphia zoo. With her back turned to the beast, it started nibbling at her long yellow hair!" Need I say more ? ed.

Steven ?  
This report did not have the name & address on the report. Please, everybody do put your address on your reports. I do not keep the reports with their envelopes. In this case, the envelope was already thrown out. By the way, to the author of this report, the name here is not Rob, Roger, or llamas, it's Raul.

May  
19 Es 0030 UnIDed-3 NBC  
24-25 Tr 2330-0030 WTVB-51 Reading, PA  
"Trop-April 2,3,4,6,7,8,13,18,19,20,23,24,26,27. May 17,18,24,25. All VHF and UHF relogs-Philly, Scamton, Harrisburg area. Best CT, & MA. WTVB-51 was a surprise. When did they go on the air ? The UnIDed-3 on 5/19 was showing Sat. Night Live with an hour delay. Is this done with any stations in the CDT zone ? Between April 30 and May 14th, I drove down to Miami. I picked up all the TV Guide editions and "TV Lifes" I could find (sorry, no extra copies. I do have a couple of TV facts type mags from Miami, Naples, FL, and Charleston which I would send if asked). I'm supposing WMDT-47 Salisbury, MD is on the air as there are billboards all along the road in that area. There are no listings for it in the TV Guide yet. The programming on WTKK-66 Manassas, VA is a complete mystery, it's not listed in the TV Guide. It's not even listed in the Manassas, VA newspaper. Also, where is WGCN-49 Red Lion, PA listed ? Locally WSNL-67 still off. They were supposed to be off a month and they were supposed to be purchased by Wometco (of WWHT fame). I'm not sure if it has or will occur. WLW-21 is having financial problems. They may cut hours and local programs, but they will stay on the air. Hopefully, this will be a good DX season (not from the looks of it so far though, ed.). I figure most of my new catches will be the new stations that have gone on within my trop range on UHF (WTVZ-33, WTKK-66, WMDT-47, and WQTV-68). That's it for this month."

Harry J. Hayes 9 Henry St. Wilkes-Barre, PA 18702 (EDT)  
"Equipment: Channel Master 6' dish, modified with window screen, Winegard AC 4990 amp. mounted on a pole in attic. For skip chs. 2 & 5 quad loop.  
May  
7 Tr 0715 WITF-33 PA 80 23 Tr 0710 WITF-33 PA 24 Tr 1700 WHFL-17 PA 92  
10 Es 2030 Chs. 2-5 intense Es 1746 KCKT-2 KA 1220 WTAJ-29 PA  
2100 KARD-3 KA 1190 1821 KTVI-2 MO 770 WKBS-48 PA

this TV report early because when I do a big opening breaks out the next day and I miss reporting it. This season seems to need all the help it can get, including Murphy's law, hi. Despite constant monitoring for tropo and skip the above is all I could come up with. Only in May of 1976 did I note less skip (let's hope the skip of June 1976 comes back this year, ed.). I put the 6' UHF dish in my attic at the end of April. I realize its placement will hinder me a bit but I'm not about to scale the roof just yet of this

EASTERN TV DX JULY 1980  
70 year old house. The dish is up about 35 feet or so and has a clear shot from due west to East North east. I am hindered by houses on both sides of me to the south, although Hershey is being seen through houses along with occasional receptions of UnIDeds 31, 32 & 51, along with traces of WTVT and WKBS-48 (I was away from the dish during that 5/24 opening to Philly). Locals WNEP-16, WDAU-22, WBRE-28, and WVIA-44 are all "superlocal" strength. That is all four come in snowfree here with no antenna at all. I thought this would be a really bad problem here, but as it turns out my Winegard amp handles them pretty well. WBRE is, I guess, about the strongest, since its antenna can be seen easily from my bedroom window, hi. It renders 27 and 29 about useless but thats about all. Except for a weak WBRE image on ch 24 in certain directions chs. 24,25 & 26 should be productive channels. As far as regular stuff chs 40 and 46 in Binghamton NY put in nice full color signals with little snow at all times ch 34 is quite weaker, this is at 65 miles. Chs. 18 and 36 from Elmira put in snowy but watchable signals at 80 miles. Also I can see quite a few translators. The channel 56 translator at Lake Aerial, PA is good at about 35 miles. Also W64AE Susquehanna, good at 55 miles, ch. 73 XLTR at Clarks Summit, very weak, W76AH Clarks Summit, fair, W79AL Dallas, Pa local like when aimed at them and W79AC fair from Clarks Summit. These last two both repeat local ch. 28 and produce varying, slanted 10 kHz like CCI, at times it is more like 20 kHz offset so one or both are drifting. Hopefully this information will help others on openings since both are so close together they would most likely both be seen with this crazy CCI. Also anyone passing through the area this summer are invited to stop by here for a look at the DX shack (s). Pleas let me know ahead of time. Phone is 823-6628, area code 717. 73's." (Harry, please double space your comments. I missed at least one line because of single spacing, ed.).

Frank Wheeler 6589 Wattsburg Rd. Erie, PA 16509 (EST)	
January	15 Tr 2000 WPBN-7 MI 338
6 Es 1622 KPRC-2 TX 1210	May
1655 KJAC-4 TX 1124	29 Es 2251 KNOP-2 NE 1066
1700 WBRZ-2 LA 1020	30 1050 KDIO-3 SD 846
15 Tr 0730 WWTW-9 MI 313	1100 KNOP-2 NE 1066
	30 Es 1128 KUSD-2 SD 851
	1600 WPBT-2 FL 1098
	1730 KFDC-3 TX 1144
	1950 KPRC-2 TX 1210
	2000 KYTV-3 MO 774

"A strange thing happened here on May 30 when skip was coming in. A fellow DXer (NRC member) received CKCK-TV on 2 the same time I received KUSD (1128 May 30). He had no sign of KUSD and I didn't have any sign of CKCK. He lives 4 miles to the N.E. of me."

Frank Merrill Box 7207 Toledo, OH 43615 (EST/EDT)	
December	27 Tr 2330 KXNE-19 NE 710
26 Tr 1446 WRIP-61 TN 470	Norfolk
Chattanooga	28 0247 WBMG-42 AL 590
1447 KTEJ-19 AR	Birmingham
1449 WZTV-17 TN	2030 KETC-9 MO
1453 WBTI-64 OH 180	WILL-12 IL
Cincinnati	KMEG-14 IA
1459 WAAY-31 AL 510	WUSI-16 IL
Huntsville	WVUT-22 IN
1500 WTCI-45 TN 470	Peoria U's
Chattanooga	Louisville U's
1528 WTVK-26 TN 400	WZTV-17 TN
Knoxville	KPLR-11 MO
1530 WWHT-19 AL 510	"Sound atop
Huntsville	local WTOL"
1533 WDCN-8 TN	KEMA-41 MO
1559 WDEF-12 TN 470	Most KET's
Chattanooga	29 0057 WKYH-57 KY 310
WHMA-40 AL 570	Hazard
Anniston	0123 KBIN-32 IA 630
1629 WTVG-9 TN 470	Council Bluffs
Chattanooga	0141 W49AA-49 IL 340
1630 WBIR-10 TN 400	Springfield
Knoxville	XLTR WCIA-3
1823 WCYB-5 VA 370	0151 Police-14 IL 200
Bristol	Chicago
27 1044 KEMA-41 MO 600	1905 W8AG-58 OH 210
Kansas City	Georgetown
1100 KTSB-27 KA 660	XLTR WCET-48
Topeka	2000 UnIDed-35, SE,
1130 KCPT-19 MO 600	WLIO-35 ID
Kansas City	2300 WVVU-24 WV
1915 WI ETV except	31 0134 WTWO-2 NE 240
WLEF-36	Terre Haute
Madison U's	Ms 0401 WBBM-2 IL
Milwaukee	0501 CKGN-2 ON
"Iike Locals"	
	31 Tr 1700 W27AC-27 OH 20
	Bowling Green
	XLTR WBGU-57

# WESTERN TV-DX

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

July 1980

Deadline: 5th

New \_\_\_\_\_ New Mode \_\_\_\_\_ Tentative - t Unidentified - unid

Randy Miltier, 1068 Fairview Ave., San Jose, CA 95125

PST

Equipment: 1975 21" Motorola, small Winegard VHF-UHF on rotor at 50'

May 1980

29 Es 1015 KLNE 3 NE 1260 29 Es unid 3 w/cattle rnt  
29 Es 0715 unids 2-6 1130 KDIX 2 ND 1200  
1000 KTVQ 2 MT 950 1130 KFVR 5 ND 1300

I haven't TV-DX'ed since 1971 and recently got the spark to rejoin the WTPDX Association and hit the dials. As an introduction, I'm 36, married, a fireman and enjoy antique cars, astronomy, PCB and TV DX. Having been out of touch with the hobby for the past nine years, I'm not aware of what good antennas are on the market. Can anyone suggest a good low band antenna or a good V-U antenna? Totals here are 35/21 from 13 states, 2 Canadian provinces, and 1 from Mexico. Best catch is WCBS-2 NY on a double hop E skip. Hopefully I can keep reporting in as long as the skip keeps coming in. Good DX. (welcome back. fm)

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

CST

Equipment: 1976 9" Penncrest b&w, Archer V-100 & 8-bay bow-tie UHF array at 20'

May 1980

3 Es 2225 KTCA 2 MN 1110	11 tr 0527 WRBT 33 LA 450	13 tr 0435 KTBS 2 LA 350
2235 WMT t 2 IA 945	WGN026 LA 510	0437 KSLA 12 LA 350
2240 KDHLt 3 MN 1250	Es 0845 unids 2	0442 KTLA 6 LA 380
2240 WCCot 4 MN 1110	0900 WPBT 2 FL 1150	Es 0720-25 unids 2 s&ne
2325 f/outs	WTVJt 4 FL 1150	1015 unids 2
6 tr 0429 WAFB 9 LA 450	0955 unids 2-5	1220 unid 2 nw
0441 WVUE 8 LA 510	WPTVt 5 FL 1150	(local QRN, storms)
0442 KBMT 12 TX 275	(MUF 93.9 @ 1000)	2025-30 unid 2 nw
0450 WGN026 LA 510	1105 XHBct3 BCN 1010	14 Es 1845 WESHT 2 FL 1055
Es 1025-29 KTW0-2 WY	1115 KWGN 2 CO 810	1859 WEDU 3 FL 985
1120 unid 2	1128 KRMA 6 CO 810	1910 WPBT 2 FL 1150
tr 2135 WRBTt33 LA 450	1129 KTWO 2 WY 1015	WTVJt 4 FL 1150
WXLt40 FL 990	1145 KOA t 4 CO 810	1925 WCIXt 6 FL 1150
2155 WLPB 27 LA 450	1330 f/outs	1935 f/outs
2200 WMAHt19 MS 570	12 Es 0600 unid 2	17 tr 2100 lots of in state
WBBHt20 FL 1040	0628 KTVIt 2 MO 790	18 tr 0025 XHX t10 NL 275
7 tr 0113 WVUE 8 LA 510	tr 0630 WGN026 LA 510	XET t 6 NL 275
8 Es 0902 unid 2 e	Es 0635 KTCat 2 MN 1110	XEFBt 3 NL 275
2140 unid 2 ne	WCCot 4 MN 1110	0115 KTBS 3 LA 350
2240 n	0659 KTW0 2 WY 1015	Es 2115-2125 unids 2 nw
10 Es 0000 unid 2 n	0729 KUSD 2 SD 920	(local storm QRN)
0009 KTVI 2 MO 790	0735 KFYRT 5 ND 1200	20 Es 1823 unid 2 n
0643 WESHT 2 FL 1055	0759 KDIX 2 ND 1225	21 ms 0834:40 KqTV 2 M0750
tr 0720 KLAA 14 LA 430	KWGN 2 CO 810	(1500-10 solar flare
WRBTt33 LA 450	0812 KNOP 2 NE 815	noise)
WLPBt27 LA 450	0825 KPRYt 4 SD 1035	Es 2135-2205 unids 2,3
WAFBt 9 LA 450	0830 KLNct 3 NE 785	2208 WBBM 2 IL 1045
Es 0835 unid 2,3 s	0832 KID 3 ID 1215	(video only)
0900 XHAP 2 GRO 880	0841 KOTA 3 SD 1040	2215 f/outs
0940 unid 2 w	0859 KBCI 2 ID 1370	22 Es 1440-1505 unids 2,3
0958 WPBTt 2 FL 1150	(audio, video KTW0)	1545-1550 unid 2
Cuba t 2	0925 f/outs	1740 WSJkt 2 TN 1010
1040 f/outs	1740-1820 unids 2,3	1815 WCBdt 2 SC 1120
1120 unid 2	south spotty	1825 WWAYt 3 NC 1250
1200-20 unids 2,3 nw	1825 YSU t 4 ES 1200	1842 WCIVt 4 SC 1120
1350-1405 unid 2 nww	TGV t 3 GU 1120	1854 WSAvt 3 GA 1050
11 tr 0425 KTEW 2 OK 485	1858 YSR 2 ES 1200	1900 WPMYt 2 NC 1175
0458 KATC 3 LA 395	1935 f/outs (spotty	1915 KDKAt 2 PA 1280
0515 KTHV 11 AR 515	since 1905)	1920 f/outs
0516 WAFB 9 LA 450	13 tr 0409 KLTV 7 TX 280	2010 unids 2,3 nw
0522 KWTV 9 OK 420	0425 KTRE 9 TX 265	2015 KPRYt 4 SD 1035
	ms 0430:15 WNGE 2 TN	

## Western TV DX

July 1980

Pat Dyer (continued)

22 Es 2059 KDIX 2 ND 1225	25 Es 1010-35 unids 2 ne	29 Es 1900 KTVQ 2 MT 1245
2100 KGFet 2 ND 1240	tr 1110 KOKI 25 OK 420	2350 unids 2-5 CA, AZ
2207 KTVQ 2 MT 1245	1116 KGCAC 34 OK 420	2359 KNXT 2 CA 1190
2230 KUTVt 2 UT 1080	Es 1215-45 unids 2,3 n	(very rapid MUF fade,
2325 f/outs	tr 1430 XEFBt 3 NL 275	about 95 MHz @ 2345
23 Es 0700 KOAI 2 AZ 855	KET t 6 NL 275	below 50 MHz by 0000+)
0709 KLNct 3 NE 785	Es 1905-2000 unids 2,3	30 Es 0915 unids 2
0727 KVBC 3 NV 1050	(MUF? - tropo CCI)	0930 WBBM 2 IL 1045
0732 KPHot 5 AZ 835	26 Es 0755-0915 unids 2-4	0959 WBAV 2 WI 1190
0735 KTVK 3 AZ 835	(tropo masking MUF)	1005 unids 2-4
0740 unids 2-4	0929 KOTA 3 SD 1040	1028 WMT 2 IA 945
0745 KVVUt 5 NV 1040	0959 KID 3 ID 1215	1135 f/outs spotty
(MUF 98.5 @ 0759)	1130 f/outs	since 1055
0813 KNBct 4 CA 1190	1215 unid 2 w	1559 unid 2 n w
0825 KTLat 5 CA 1190	0625 unids 2	1800-1930 unids 2-6
0859 KOTA 3 SD 1040	27 Es 0655 Canada 2 Ont.	(MUF 98.9 @ 1940)
(MUF 98.9 @ 0939)	0700 unids 2,3	2107 KMITt 3 IA 985
1005 unids 2-5	0745 WMAAR 2 MD 141	2129 KUSD 2 SD 920
(MUF 107.9 @ 1032)	0755 MUF ch 4	2230 KUTV 2 UT 1080
1110 WMT 2 IA 945	0759 WBAV 2 WI 1190	2245 KTVxt 4 UT 1080
1114 WSJK 2 TN 1010	1029 KGFEB 2 ND 1240	2320 apx f/outs
(MUF 88.9 @ 1128)	1035 f/outs	tr 2355 XET t 6 NL 275
1159 WSAZ 3 WV 1100	28 Es 0900-1010 unids 2 ne	XHX t10 NL 275
(MUF 89.3 @ 1225)	0959 KUSD 2 SD 920	31 Es 1000-25 unids 2,3 w
1225 WBAV 2 WI 1190	1235-1335 unids 2	1125 WFYI 2 NC 1175
1400 f/outs	1730-35 unid 2 sp	1155 WCCot 4 MN 1110
1600 KDKA 2 PA 1280	1755 KNXT 2 CA 1190	1159 KTCOA 2 MN 1110
1640 WWJ t 4 MI 1225	unid 3 f/out	1215 KSPTt 5 MN 1110
1700 WJKB 2 MI 1225	29 tr 0220 unid 7,8 s Net2	1348 KDLO 3 SD 1070
(MUF 89.3 @ 1734)	Es 0620-0755 unids 2,3	1355 KOTat 3 SD 1040
1830 f/outs	0759 WMT 2 IA 945	1435 WMT 2 IA 945
1930-2020 unids 2-4	WRCB 3 TN 865	1500 unids 2-5
(MUF 89.1 @ 2030)	0810 unids 2-4	(MUF 94.5 @ 1525)
2100 KTVI 2 MO 790	0855 unids 2-6	1610 f/outs
KMOXt 4 MO 790	(MUF 89.7 @ 0855)	1759 KNXT 2 CA 1190
2101 WCIA 3 IL 935	0859 KUSD 2 SD 920	1805 XHAqt 5BCN 1010
(MUF 94.7 @ 2109)	KDLO 3 SD 1070	KNBct 4 CA 1190
2155 WMT 2 IA 945	0940 f/outs	(MUF 95.7, 98.5 @ 1905)
2159 KUSD 2 SD 920	1030-1205 unids 2,4	1859 WDAY 6 ND 1200
2200 KOTat 3 SD 1040	1515 unids 2,3	1900 KDLO 3 SD 1070
2210 KDLO 3 SD 1070	1528 KTVQ 2 MT 1245	1905 KFYRt 5 ND 1200
2230 KLNct 3 NE 785	1529 KID 3 ID 1215	1924 WMT 2 IA 945
KPRYt 4 SD 1035	1545 unids 2-5	(MUF 104.7 @ 1950)
2249 KFYRt 5 ND 1200	1550 KLNct 3 NE 785	2125 KVBct 3 NV 1050
2330 f/outs	(MUF 88.5 @ 1556)	2128 KPHot 5 AZ 835
24 Es 1100 unid 2	1659 KUSD 2 SD 920	2128 KTVK 3 AZ 835
2020-2130 unids 2,3n	1700 KFYRt 5 ND 1200	2130 KVOAt 4 AZ 750
25 tr 0210 KOCot 5 OK 420	1715 WCCot 4 MN 1110	2215 XHBC 3 BCN1010
0215 KFDM 6 TX 275	1729 KTCOA 2 MN 1110	2240 XETVt 6 BCN1100
0220 KTVIt 4 OK 420	(MUF 105+ by 2015,	(MUF 98.9 @ 2243)
KTENT10 OK 385	2045-2300 144 to CA)	2300 f/outs
0831 KTEW 2 OK 485	1859 KTWot 2 WY 1015	

June 1980

1 tr 0035 XHX 10 NL 275  
0110 KGLD 11 KS 600  
0158 KTBS 3 LA 350

Well, a late-blooming Es season finally did take off in the last week to ten days of May. The earlier big days of the month seemed to come when the solar flux was under 200.

The fade outs the night of the 29-30th were about the most rapid I've ever seen with a 45 MHz drop in 15 minutes, and about 25 MHz of that in some three minutes.

Trop openings filled in (and sometimes covered up the Es MUF's), with all the new catches being with that mode. 73, Pat, WA5IYX

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

CDT

May 1980

11 Es 2003 unid 2 Mexico	(MUF 100.7 @ 2120)	29 Es 2200 WLBT 3 MS 1070
17 Es 1134 unid 2 NBC e	23 Es 1458 KMDI 2 TX 1060	2200 WMAH 2 MS 1015
19 Es 2228 KMDI 2 TX 1060	29 Es 1930 CKVR 3 ON 840	(MUF 103.3 @ 2235)
22 Es 2101 KVVU 5 NV 1200	(MUF 95.1 @ 1935)	2300 WBRZ 2 LA 1185
	1959 WBTV 3 NC 1140	2302 KFSM 5 AR 79531

Fred McCormack (continued)

29 Es (MUF 100.3 @ 2326)	30 Es 1309 unid 2 french	2 AE?0015 WIVB 4 NY 935
2357 WLBT 3 MS 1070	1818 WBRZ 2 LA 1185	0017 WTVH 5 NY 1045
2359 KETS 2 AR 890	1829 WLBT 3 MS 1070	0022 CKVR 3 ON 840
30 Es 0929 KDKA 2 PA 945	1900 KTBS 3 LA 990	0047 KDKA 2 PA 945
(MUF 93.1 @ 0951)	31 Es 1118 unid 2 NBC s	5 tr 2030 KAWB 9 MN 125
1000 WSTM 3 NY 1045	1500 XEPM 2 CH 1180	2157 KMNE 7 NE 340
MUF 105.5 @ 1025)		6 tr 0138 KBTVE 7 NE 385
1100 WGR 2 NY 935		
1108 WRAL 5 NC 1215		
(MUF 100.9 @ 1116)		
1159 WSTM 3 NY 1045		

From my Des Lacs, ND QTH:

May 1980

24 Es 2150 unid 2 Mexico  
25 Au Strong through at

least ch 8. No ID's.  
25 Es 1959 KVBC 3 NV 1085  
(MUF 95.3 @ 2030 CA)

26 Es unids 2-4 sw CA  
(MUF 101.5 @ 1041  
to San Diego area)

Es has seemed unexceptional here so far, but I am away a lot during the week and may miss some good openings. The skip noted early on the 2nd of June seemed to be auroral induced although I did not note any auroral conditions preceding it. It was from the stations most often seen via AE here and at the most common time for AE here, and it had the characteristic extreme ghosting and rapid fade rates.

For this summer's E skip season there are two new low band stations on the air in North Dakota. Watch for KBME-3 and KSRE-6 from Bismarck and Minot. These along with KGFE-2 are satellites of KFME-13 and carry PBS. They most often ID with a slide saying Prairie Public TV. Call letters are not usually shown, but are given audibly.

Good DX to all, and send those reports in!

EASTERN TV DX (continued from page 29)

JULY 1980

Frank Merrill cont'

29 Es 0845 KOA-4 CO	20 Es 2100 KFBB-5 MT 1420	June
0900 KWGN-2 CO	Great Falls	2 Es 0042 CBWT-6 MB
2000 KYUS-3 MT	2200 KOET-3 OK 790	0101 CHSS-6 SA
KXGN-5 MT	Bifaula	0122 CKDS-5 SA
2026 CKBI-5 SA 1330	0004 KOAA-5 CO	0122 CKDS-5 SA
Prince Albert	0006 KTVS-3 CO	0138 UnIDed-4 MB
2059 KBME-3 ND 920	0236 KOTA-3 SD	Brandon
Bismarck	10 Tr 2330 WSFJ-5 OH 130	0155 CHSS-3 SA
	Newark	Warmley
		0158 CKCK-2 SA
		Tr 0241 WISC-3 WI

"Equipment-Zenith Color TV, 1979 model; Channel Master 7' dish and Channel Master 16' VHF; CDE rotor; 60' high. Gary Siegel called CKOS to find out what we had on channel 5- thus this new info came to light! I have both CJAY & CKYB listed on 4. Is either correct?"

Tom Wooden 1208 E. 4th Ave. Brodhead, WI 53520 (608)-897-2094 (CST/CDT)	
December	18 Tr 1030 KYIN-24 IA 250
28 Tr 0900 WGYC-35 MI 200	27 Es 1230 UnIDed-2 NBC
Grand Rapids	1314 KWGN-2 CO 850
29 0330 WAND-17 IL 190	1330 KOA-4 CO 850
Decatur	28 1130 UnIDed-2 PBS
0930 WPNE-38 WI 150	29 1947 CKCK-2 SA 950
Green Bay	2059 CJFB-5 SA 1050
January	Swift Current
18 Tr 1030 WILL-12 IL 180	2255 KWGN-2 CO
Urbana	30 1100 WCBG-2 NY 850
	New York
	1159 WGBH-2 MA 1000

"This is my first report to WUD. I was pleasantly suprised by the good wintertime tropo openings this year, but still prefer Es. TV log currently at 87, with 24 states. I'm a technician at WTVO-17 in Rockford, IL. If you think you're receiving us, look for our ID first in the station break, instead of at the top of the hour. NBC usually sends us 172 second break, so look for it at about 58:48 after the hour. It usually consists of a chyron N with the call letters and the "proud as a peacock" jingle. I'm hoping we move it to the top of the hour soon, where the DXers expect it (actually the ID in this place may be good, it allows a DXer to ID 2 stations during an opening at the same station break, ed.). 73's Tom, WB9HME."

EASTERN TV DX

JULY 1980

Raul Kramp 3406 W. Pierce Chicago, IL 60651 (312)-235-5188 (CDT)	
May	26 Tr 0520 WLKY-32 KY 277
12 Tr 0541 WDHO-24 OH 220	0533 KWWL-7 IA 240
WTOL-11 OH 220	0544 WTVW-7 IN 267
WTVG-13 OH 220	27 0621 KDNL-30 MO 265
0546 WKBD-50 MI 240	28 0430 WXYZ-7 MI 220
0603 WLIO-35 OH 200	29 Es 1920 KDUH-4 NE T
0619-W39AA-39 IN 145	2259 KOA-4 CO
WBGU-57 OH 200	2304 KTVS-3 CO
13 0610 KPLR-11 MO 265	30 1825 KENW-3 NM
0618 KDNL-30 MO 265	KAMR-4 TX
21 0442 WXYZ-7 MI 240	2000 WWL-4 IA
23 Es 1657 WEDU-3 FL	2002 WDSU-6 IA
1700 WJXT-4 FL	2011 KATC-3 IA
1714 WTVJ-4 FL	2108 WLEB-3 MS 683
1800 KJAC-4 TX	Jackson
1855 KGBT-4 TX	June
26 Tr 0440 WKRC-12 OH 250	3 Tr 2251 WTIU-30 IN
0452 WHAS-11 KY 277	2302 WUSI-16 IL 219

"The ducting of 6/5 was the earliest I've ever seen 500 mile tropo in Chicago. Of course, I've seen it as early as April in Carbondale. WDBJ-7, WEIR-10 & WDEF-12 were logged for only the second time, the first since Aug. 1976. WLOS-13 is becoming a regular visitor, this the third reception in 1 1/2 years. Each year seems to be getting worse for Es, and this year the annual opening into the Detroit area (with local grade signals) failed to occur. Except for the above mentioned tropo, its been an uneventful season for tropo. The WLEB logging thrilled me to no end. It was a very much wanted station, largely because of the precedent the WLEB case set in broadcast law (the only station to have its license revoked by court order, and set the right of citizen to represent their case before the FCC). It also was wanted in the past before I had logged MS. For those needing quality TV photos processed at very low prices (about 1/3 that of a commercial lab) write to me for details. Tele-Photo Custom Lab has been processing TV photos for 9 years. Our expertise, and custom processing to the needs of each DXer, should provide the results you need. All potential customers are asked to shoot 2-3 test rolls, so I can determine your processing needs. The rolls will be processed free of charge. Only prints (if you want any) will cost you anything (20¢ for each 4" X 5"). For those who know a little about processing, our stock developer for film is D-76 (Kodak), a medium fine grain developer which makes good enlargements but also has fairly good contrast. For 126, 127, 620 and other fixed focus cameras, with not lense opening control, Kodak D-11, a large grain, contrasty but not greatly enlargable, developer is used. Kodak Dektol is used for printing. Enlargements of larger than 4 X 5 with conventional (fixed focus) cameras is not advised, due to the poor tone the print would have (but I will print them if requested, at 70¢ of course, hi). 73's."

# STATION BREAK

c/o Bill Thompson  
1907 Seneca Street  
Buffalo, NY 14210

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

WANTED - Very old TV sets (before 1953). Also old TV GUIDES or TV GUIDE-type magazines from before 1953. Jeff Kadet, Box 90, Rockville, MD 20850, (301) 654-1876 after 10 p.m.

TRADE - Beginning DXer wants to trade NC TV GUIDES one-for-one for TVG's and similar from elsewhere, especially Canada and the South. Thanks! Christopher Hanley, 1125 Bolton, Winston Salem, NC 27103.

FOR SALE - Panasonic RF-2600 AM-FM-Shortwave digital receiver. Excellent condition. Letters only. Dave Nordmann, 1110 Ralph Tr., St. Louis, MO 63117.

# IN SEARCH OF PSB

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

IN SEARCH OF PSB.....This month's feature will focus on the western New Jersey counties of Hunterdon, Morris and Somerset. Many thanks to Mr. Bob Umhoefer of Annandale, New Jersey. Mr. Umhoefer seems to be quite informed about this area as you will see in the following outline. How about dropping me a line about your area? I can never have too much information.

## NEW JERSEY STATE POLICE

44.62	Troop C
44.66	Troop B Headquarters in Morristown
44.78	Car to Car
44.98	Back up channel for Troop B
151.68	Used for Radar Details
155.46	Station to Station
159.345	Fish & Game Division
159.375	Forest Fire Service
159.465	reservoirs Patrol; Round Valley/Spruce Run

## MISC. FREQUENCIES

39.76	Listed under State Police; Possible Civil Defence
39.90	
47.46	Polk Bus Company(School Buses Northern Hunterdon)
45.74	Rescue Squad(Occasional use Morris County)
160.80	Conrail
154.845	Annandale reformatory for Boys
155.895	Clinton Farms Woman's Prison

These frequencies used interchangeably

## HUNTERDON COUNTY

1. 33.04	rescue Squad Alert
2. 33.74	Fire Channel
3. 33.68	Back up Fire Channel
4. 33.98	Back up Fire Channel
5. 45.64	Road Department Township Level
6. 45.98	Sheriff's Department
7. 151.07	County Road Department
8. 154.785	North County
9. 154.	South County
10. 154.965	Tact 1 All County Alerts
11. 155.205	rescue Squads
12. 155.22	Flemington Rescue Squad Alert
13. 155.34	Hunterdon Medical Center/Hospital

## AREA STATE POLICE

44.62	Troop C Southern Part of County
44.66	Troop B Major Portion of County
44.78	Car to Car
44.98	Secondary Troop B & C
155.46	Station to Station

## TOWNS

Clinton Town	1-2-3-8-10-11
Clinton Township	1-2-3-5-8-10-11
Readington Township	1-2-3-8-10-11
Lebanon Township	1-2-3-8-10-11
Maritan Township	2-3-9-10-11-12
Flemington	2-3-9-10-11-12

Kingswood Township	1-2-3-9-10-11
Lambertville	1-2-3-9-10-11
Delaware Township	1-2-3-6-8-9-10-11
Union Township	1-2-3-8-10-11
Highbridge	1-2-3-7-8-10-11
Califon	1-2-3-7-8-10-11
Bloomsbury/Bethlehem Township	1-2-3-7-8-10-11
Alexandria Township	1-2-3-9-10-11
East & West Amwell Township	1-2-3-11
Glen Gardner	1-2-3-11
Hampton	1-2-3-8-10-11
Franklin Township	1-2-3-8-9-10-11-12

## MORRIS COUNTY

1. 39.02	Sheriff's Office
2. 39.28	Police Dispatcher Morris Plains
3. 39.82	rescue/Fire Morris Plains
4. 46.32	Rescue Morris Plains
5. 46.42	Rescue/Fire Morris County
6. 45.60	rescue Mendham Borough/Township
7. 45.98	Washington Township Police Dispatcher
8. 155.28	Minute Man Rescue
9. 155.745	Morris County Crime Alert
10. 164.475	U. S. Government Jockey Hollow National Park
11. 460.025	Morristown Police Department
12. 460.425	Morris Township Police Department
13. 156.15	Chatam Township Police Dispatcher
14. 154.31	New Vernon Fire Department

Mendham Borough/Township	1-5-6
New Vernon	13-14
Long Valley	5-7
Chatam Township/Borough	13
Schooley's Mountain	5

## SOMERSET COUNTY

1. 33.94	Fire/Rescue Squads Alert & Communications
2. 39.04	Bernards Township Dispatcher
3. 39.08	Stirling Police Dispatcher
4. 39.18	Bernardsville Police Dispatcher
5. 39.68	Back Up Channel for Bernards Township
6. 46.54	Liberty Corner Fire/road Department
7. 154.115	Bridgewater Police Dispatcher
8. 154.31	Somerset County Fire/Rescue
9. 155.31	Somerville Police/Bridgewater rescue
10. 155.34	Hospital Net

## TOWNS

Basking Ridge	2-5-8
Bernardsville	1-4-6
Bridgewater	7-9-1
Liberty Corner	2-6-8
Peapack/Gladstone	2-6-8
Pottersville	1-4
Far Hills/Bedminster	1-4-2
Hillsboro	8-9
Montgomery Township	8-9
Somerville	8-9
Somerset County Sheriff 4	
Passaic Township	2-3

## COUNTY ROAD DEPARTMENTS

39.10	Far Hills/Bedminster
46.54	Bernardsville/Bernards Township
154.04	County Road Department



# INTERNATIONAL NOTES from

Ken Simon  
513 6th Avenue South  
Lake Worth FL 33460

RON SCHATZ (famed BCB DXer and world traveler) sends along a report on a recent visit (June '80) to PANAMA:

- |   |                          |
|---|--------------------------|
| Channel 2 Tevedos (TV2)   | Channel 4 RPC Television |
| 8 Southern Command Network (AFRTS)  | 10 SCN (AFRTS)           |
| 11 Telexperimental (educational) limited schedule and on CABLE (CCTV) Tele-Anuncio in hotels. |                          |

8 and 10 are former CANAL ZONE stations, but there no longer is a Canal Zone so let's list them as PANAMA.

FM listings are somewhat approximate as small receiver was used:

88.5	HOKO, Voice of the Istmus	// 760
89.5	Radio Mia	650
91	RPC Radio	610
91.5	SCN Radio (Fort Clayton)	790
93	Radio Guadalupe	1290
93.5	Radio Musical	870
94	Radio Hogar	670
94.5	Onda Popular	
95	La Exitosa	730
96.1 \$?	unidentified...continuous pop music	
96.5	Radio Mia	(image?)
97.5	RPC Radio	(image?)
98	Onda Popular (Chilibre)	94.5
98.5 \$	Estereo Bahia	104.3-Colon
99.3 \$	FM99/Radio Juventude	1140
101.1 \$	Estereo Azul	
102.7 \$	Stereo Rey	
104	Radio Mil	1100
105.1 \$	Life Radio/Radio Vida (XOXO) Gospel	
106.7 \$	Estereo Panama	
107.9 \$	Galaxia 2000	

(all in or about PANAMA CITY)

## INTERNATIONAL NOTES

July 1980

88.1 \$ Radio Super Sol

1390

104.3 \$ Estereo Bahia

(both in COLON)

Thanks, Ron!

Earlier this year, I logged a strange signal over my local WPTV-5. It was out of sync and WPTV's strength caused it to appear as a negative polarized pic...but it was definitely the ICR CUBA test pattern, which poses a mystery as tropo shouldn't have been strong enough to bring in SANTIAGO listed on 5 (in eastern Cuba). Most of the Cubans I got at this time were regular western Cubans...could this be new?

Well, it's Es time again and I've noticed something weird so I went back and checked my logs...they're good since '72...and here it is for what it's worth. All loggings from West Palm Beach or about 10 miles south in LAKE WORTH...

72	Es started	21	MAY
73	" "	21	MAY
74	" "	21	MAY
75	" "	14	MAY
76	" "	17	MAY
77	" "	16	MAY
78	" "	21	MAY
79	" "	22	MAY
80	" "	22	MAY

...all other factors are about the same...i.e., time available to view, local channels, etc...

Any explanation? I don't have a guess...

HISTORY note...during World War II, the BBC went off, but Germany maintained a transmitter in Berlin (until it was bombed out by the Allies) and used the Eiffel Tower in Paris for a station in Occupied France.

Will try (???) and make it to the convention, but just had my work/vacation schedule screwed up...so no promises...



# CANAL 8

Dirección de Televisión Educativa  
MINISTERIO DE EDUCACION

(El Salvador ETV logo)

7310  
Ken

# F(50,90) Invented

- OR HOW TO KNOW WHEN YOU HAVE FM DX OR NOT -

By Bruce F. Elving, Ph.D.

As DXers, we are naturally concerned with reception of stations at greater-than-normal distances, and during times when there are unusual reception conditions. We don't normally think of what reception is like when there is no real enhancement, by either skip or tropo, but maybe we should. By understanding what is "normal," we may have a better idea of what constitutes DX.

The idea for this article came to me during a period when there was no DX. I was trying desperately to tune in a classical music program from KUCV \*90.9 Lincoln, at a distance of 125 miles. I had spent \$18 to become a supporter of this station and receive its program guide, and I began to wonder if my money was well-spent. Since central Nebraska lacks any form of public radio, and the commercial stations are largely rock and country music imitators of each other, the motivation was strong to use my DXing equipment for regular FM listening. I also analyzed the signals of several other stations whose programming I would be interested in, with the results given in the chart, which will be explained later.

One of the stations I analyzed is a construction permit; a station not yet on the air, and probably not to be on the air until spring, 1981. It is KIWR \*89.7 Council Bluffs IA, with transmitter in Omaha NE. It is potentially the strongest educational station at this location.

By concentrating upon a few area stations you regularly listen to, plus a few reference stations in the same city or area, you too can plan with a fair amount of certainty which FM stations are reliable enough to tune to for program enjoyment. And this analysis can take into account the quality of your receiving equipment.

The heart of this analysis is an understanding of the Federal Communications Commission's curves for predicting FM station field strengths. There is nothing sacred about the FCC curves, but they are the best we have for predicting coverage. Indeed, the curves have undergone at least three complete revisions, resulting in different coverages (on paper) for a station having unchanged antenna height and radiated power. And there is speculation that yet another new set of curves will be coming from the FCC, based upon newer studies of VHF propagation. If new curves come about, it could result in stations having smaller predicted coverage radii than the older curves showed. This could result in another rash of power increases for Class B stations (those in the northeast United States and southern California) having over 500 feet above average terrain. Such power increases are right now being granted in a big way to stations in the New York through Chicago area, to help make their coverages equivalent to 50,000 watts at 500 feet above average terrain.

There are two forms of FCC curves around. The one used most often is the F(50,50), used for predicting signal coverages. Used with a sliding scale for different powers, these curves give exact readings in statute miles of FM signal intensities. Thus, you can calculate that a 50 kw station at 500 feet above average terrain will have its primary coverage (defined as 1.0 millivolts or 1,000 microvolts per meter) at 32.5 miles, and its secondary (customarily defined as 50 microvolts) at 73 miles. This is the chart stations use when computing mileages for coverage maps and other promotional literature. Much more generous readings would accrue to the station if it employed the F(50,10) curves, the so-called "interference contours." While the F(50,50) curves tell us estimated field strengths exceeded at 50 percent of the potential receiver locations for at least 50 percent of the time at a receiving antenna height of 30 feet, the F(50,10) curves tell us the estimated field strength exceeded at 50 percent of the potential receiver locations for at least 10 percent of the time at a receiving antenna height of 30 feet. In other words, the F(50,10) curves tell us about FM reception when tropo is in. They tell us that at least ten percent of the time FM signals, thanks to tropo, will be as good, or better, than this chart shows. This chart is used in allocating new educational FM stations, and may see increasing use as the FCC allows an intermixing of Class A, B and C commercial stations on the same channels, as recently proposed. But to the DXer this chart, and its more well-known sibling, have profound significances. A description of the use of these charts is beyond the scope of this article, and because of legibility problems, the charts will not be printed in the VUD. However, you can go to your local radio station and see the charts in their copy of the FCC rules, or obtain the charts, with instructions for their use, from this author (write to 4515 Avenue "E," Kearney NE 68847 for a listing of the charts and other items in a free brochure). Once you figure out the use of the chart, the rest is rather easy—simple interpolation of the curving lines and their mileages, and reading values on the sliding scale supplied.

In addition to the two sets of charts issued by the FCC, I am hereby proposing a third chart, a so-called "F(50,90) Chart," which would be the "estimated field strength exceeded at 50 percent of the potential receiver locations for at least 90 percent of the time at a receiving antenna height of 30 feet." This chart would tell us what to expect in FM reception at the worst 10 percent of the time. Of course, FM reception can sink below even what an F(50,90) chart would tell us (just as it can increase considerably above what the F(50,10) chart gives). But as a crude estimator of how bad FM can get during its worst, good old F(50,90) would give it! And even in the summer you will find times of poor tropospheric reception, so this analysis can be as meaningful

now as it can be in the heart of the winter, when reception conditions are normally less prone to DX enhancement. Lacking a set of F(50,90) curves, I did the next best thing. I measured selected stations for my analysis on both the F(50,50) and the F(50,10) charts, and noted the difference in signal intensities, using a dividers. Then I put the dividers with the same span downward on the scale and read the signal intensities, for an approximation of what F(50,90) would give. For example, KIAE 103.1 Aurora NE, at 60 miles with 3000 watts at 130 feet, gives a 13 microvolt, or 22.5 db signal, to Kearney, with the F(50,50) chart. Using the F(50,10) chart, I read the signal as 40 microvolts, or 32 db. By measuring off the physical distance on the sliding scale I obtained an F(50,90) reading. I measured from the original reading, that for the F(50,50), to arrive at a reading of 4.3 microvolts, or 12.2 db.

What that tells me is that from KIAE I can expect a signal range here in Kearney of from 4.3 to 40 microvolts 80 percent of the time. Ten percent of the time KIAE's received signal will be 40 microvolts or more, while 10 percent of the time it will be 4.3 microvolts or less.

Considering the fact that I have a receiver having 1.8 microvolts sensitivity, it sounds like I am in luck for hearing KIAE all the time! However, things in the world of electronics seldom work that simply. Enter DX and the prospect of other stations coming in and interfering with KIAE. This analysis can only fairly safely be carried out when your reception of a certain station is basically clear and not likely to be interfered with by other stations coming in from the same or approximately the same direction. Then you can add to this how directional your antenna is, and how much gain it delivers to your receiver. With a ten-element FM yagi antenna, I could expect a gain of almost 10, or a signal range from KIAE of from 43 to 400 microvolts. This is not to consider any losses in my transmission line, impedance mismatch, etc., which can further bring the gain down. And when you are using a receiving system with gain like that, your antenna invites reception from other or adjacent channel stations, which can complicate considerably what you can expect on a day-to-day basis. Also, if your antenna is above or below the 30 feet level defined by the FCC as the height at which field strengths are estimated, or if your location is well above or well below "average," the outcome for your particular set-up could be considerably different.

I believe, however, that meaningful use can be made of FCC curves for planning your own DX listening, making antenna recommendations to friends who just want to hear a certain FM station, evaluating whether what you pick up during a given opening is real "DX" or not, and perhaps in building antennae that can help defy the odds to bring in FM reception even more perfectly and predictably than hitherto thought possible.

Here, then, is my chart for reception in Kearney, Nebraska, for selected stations, using the F(50,50), the F(50,10), and the probable F(50,90) curves and calculations:

Station, Location, Distance, Facilities [watts, feet]	Signal Intensities in Microvolts and Decibels from:		
	F (50,50) Charts	F (50,10 Charts)	Probable F(50,90)
KUCV *90.9 Lincoln, 125 miles, 18 kw, 180'	3.5 uv; 9.5 db	14 uv; 23 db	.87 uv; -1.1 db
KIOS *91.5 Omaha, 170 miles, 24.5 kw, 490'	1.7 uv; 2.5 db	4.8 uv; 13 db	.6 uv; -4.2 db
Same, permit for 50 kw, 600'	2.3 uv; 6.0 db	7.0 uv; 18 db	.72 uv; -3.0 db
KIWR *89.7 Council Bluffs IA, 170 miles, 100 kw, 1010' (not on air yet)	4.2 uv; 13 db	14 uv; 23 db	1.3 uv; 2.0 db
KGOR 99.9 Omaha NE, 170 miles, 115000, 1230'	6.0 uv; 15.5 db	18 uv; 2.5 db	1.9 uv; 3.0 db
KRFS-FM 103.9 Superior NE, 71 miles, 3000 watts; 59'	4.0 uv; 12 db	10 uv; 20.0 db	1.6 uv; 2.4 db
KIAE 103.1 Aurora NE, 60 miles 3000 watts, 130'	13.0 uv; 22.5 db	40 uv; 32.0 db	4.3 uv; 12.2 db
KRSW *91.7 Worthington-Marshall MN, 256 miles, 99 kw, 800'	.4 uv; -8.0 db	1.4 uv; 1.0 db	.01 uv; -19 db

W A Y L - K Q R S - F M - W L O L - K D W B - F M - K E E Y - F M Minneapolis (received in Duluth MN at 140 miles), all with 50,000 watts at 800 feet above average terrain:

6.7 uv; 16 db      22 uv; 27.0 db      1.9 uv; 3.0 db

Reception of WHWC \*88.3 Colfax WI at the transmitter site of WHSA \*89.9 Brule WI in the 1950's, prior to the activation of inter-city microwave relay for program retransmission, 100 miles (WHWC had 50,500 watts at 450 feet in those days and there was considerable fading of the received signal):

18 uv; 25 db      62 uv; 35.5 db      5.0 uv; 14 db

A station having 50,000 watts at 500 feet would have the following contours:

1 millivolt per meter (primary)	32.5 miles	37.0 miles†	28 miles‡
50 microvolts per meter (secondary)	73.0 miles	107.0 miles†	66 miles‡

† Under conditions permitting F(50,10) reception this station would have the equivalent of 105,000 watts, while under conditions permitting hypothetical F(50,90) reception this station would be the equivalent of a 24,000 watt station.

□

# COME TO DUNKIRK!!!

## WORLDWIDE TV-FM DX ASSOCIATION TWELFTH ANNUAL CONVENTION AUGUST 1, 2, 3

You're invited to attend the 1980 WFFDA Convention at Dunkirk, New York, the site of our club's 1970 and 1973 Conventions, and a fantastic DX site for VHF and UHF, located in the foothills of the Appalachian Mountains, in New York State's beautiful Chautauqua region.

Veteran DX convention host Bob Seybold is hard at work making arrangements for this year's program, which will include speakers, several working DX systems for VHF TV and FM, UHF TV, and PSB, slides, films, tapes, and so forth, with plenty of time for DX gab sessions--and a trip to Bob's famous hilltop DX location.

Highlighting the convention will be a tour of Chautauqua County's unique ETV translator W46AB, which, in addition to feeding a system of "affiliate" translators, is able to originate local programming from its own studio.

Friday, August 1st, will feature a cook-out with "no shortage of beverages" for arriving DXers. Saturday, the 2nd, will be the busiest day, with many demonstrations of DX equipment, and the traditional banquet in the late afternoon. On Sunday morning, August 3rd, we'll have the annual WFFDA club business meeting, where members will be invited to comment on club operation and make suggestions for the future of the club--with plenty of opportunity for criticism, with the constructive type especially welcome!

Our convention site will be the Vineyard Hotel, right at I-90 exit # 59. Rates are as follows: \$20 per day for a single, and three choices in rates for two in a room; \$24, \$26, or \$28 per day. \$3 additional per day for a third party.

Registration fee for the convention is \$17.50 in advance, or \$18.50 if you pay upon arrival. If you plan to attend, act now. Use the registration form in last month's VUD, or drop Bob a line at Bennett Road, RD #2, Dunkirk, NY 14048. Telephone: (716) 679-1984. SEE YOU THERE!!!

### HOW TO GET THERE:

**By Air:** Closest major airport is Greater Buffalo International, served by American, Eastern, TWA, United, USAir, and Allegheny Commuter.

**By Car:** I-90 (New York State Thruway) exit 59, Bennett Road.

**By Bus:** Major bus lines serving the area via Buffalo's new Metro Transportation Center offer connections to Dunkirk via D & F Transit bus line.

