

# VHF-UHF DIGEST



**NOVEMBER**  
**1972**



# publishers' notes...

**WTFDA HEADQUARTERS, P.O. BOX 163, DEERFIELD, IL 60015 USA**

**TROPO FEVER!!!** At the risk of sounding like a broken record, I'll repeat last month's line: 'The reports in this month's DX columns appear to be just a primer for next month.' October looked mighty dry until the 26th and 27th, when ducts sent VHF and UHF signals between the deep south and the midwest. At least several midwestern DXers logged many stations beyond 700 miles. There are indications that UHF DX may have passed the 1000 mile mark for some DXers as well. There should be enough new records to keep Glenn busy for awhile!

WTFDA wishes to add our condolences to the family of Bill Eddings, former executive editor of the North American Shortwave Association. Bill's passing came on August 23rd after a prolonged illness. Bill Eddings contributed much to DXing. He will be greatly missed by all.

THE AUSTRALASIAN SCENE makes its "final return" in this issue. In that report, Glenn Hauser makes a few updates and reports of DX activity.

THE MAILBAG will not appear this month, as the column was lost in the mails.

RESPONSE TO 'HELP!' has been very limited thus far. If you get a chance, please reread the request for member participation in the October VUD. This project is worth your serious consideration.

MIKE DORNER joins as editor of WESTERN FM DX, this month. You'll find Mike's first column on page 18.

MARK LEWIS AND J. JOEL ROSENBERG have announced that their highly detailed "DXer's GUIDE TO CANADIAN TV-FM STATIONS" is now completed and available to DXers. The "GUIDE" lists TV by channels, featuring, network, ERP, AAT, satellites, low power data, and addresses and phone numbers for major stations. FM by channel, list includes: valuable format & operation information and station addresses and phone numbers. The price is \$2.10 (First Class postage only). Order from: DXer's Guide, 47 Pannahill Road, Downsview, 475, Ontario, CANADA.

WTFDA introduces another new DX item this month... Log sheets. They come 100 to a pad, punched for a three ring binder. More info on this can be found on page 24. Order from HQ today!

BRUCE RUMMEL takes over as FM CCI editor this month. Bruce is in need of FM program listings from everywhere and could use your assistance. Also, if any DXer has an extra copy of a late edition of SPOT RADIO, this may help Bruce. His first column appears on page 35.

"THICK AS SNOWFLAKES" is the title of this month's cover. But those are meteors in this old drawing, not snowflakes! The picture illustrates what happened when the Leonids meteor shower peaked on November 13, 1833.

Gary Olson points out that the Conrac AV-12E is still available as a new item. For the present, Conrac will continue sales of the AV-12E in addition to the newer solid state receiver.

The correct price for the VUD BOXER mentioned in last month's Publishers' Notes, should be \$1.25.

73, Morrie and Gary



FCC TV NEWS

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max. &amp; 324 kw. hor. aur., AAT 450 ft.

\*Lima, Oh. ch 57 unassigned for 750 kw. max. & 479 kw. hor. vis., 150 kw. max. & 95.5 kw. hor. aur., AAT 1060 ft., xmtr to 4.7 mi. S. of Deshler, Oh.  
 Medford, Or. ch 8 KSYS 8-15 chge name to Liberty TV comprised of Liberty Comm. Inc. & Siskiyou Bdcstrs Inc.

Patchogue, NY. ch 67 WSNL-TV 8-29 for 1280 kw. vis., 208 kw. aur., AAT 440 ft., xmtr to Haupaage, NY.

\*Portsmouth, Oh. ch 42 WPBO-TV 8-10 for 521 kw. max. & 398 kw. hor. vis., 104.2 kw. max. & 79.4 kw. hor. aur., AAT 1240 ft., xmtr to 4 mi. WNW of Portsmouth.

CP CANCELLED (DELETE CALL LETTERS)

Stockton, Ca. ch 58 KAJC-TV Andrew J. Crevolin.

MISCELLANEOUS ACTIONS

Allen Park, Mi. ch 20 WJMY WJMY-TV Inc. chge name to WXON-TV Inc.

Altoona, Pa. ch 10 WFBG-TV Triangle Publications Inc. chge name to Gateway Comm. Inc.

Binghamton, NY ch 12 WNEF-TV Triangle Pub. Inc. chge name to Gateway Comm. Inc.

Cleveland, Oh. ch 61 WKBF-TV WKBF Inc. chge name to Kaiser Bdcstg Inc.

Denver, Co. ch 9 KBTW Mullins Bdcstg Co. chge name to Combined Comm. Corp.

Erie, Pa. ch 12 WICU-TV Lamb Comm. Inc. chge name to Great Lakes Comm. Inc.

Farmington, NM ch 12 KIVA-TV Woodland Bdcstg Co. chge name to Four States TV Inc.

Indianapolis, In. ch 40 WURD White River Radio Corp. chge name to LeSea Bdcstg Corp.

Lancaster-Lebanon, Pa. ch 15 WLYH-TV Triangle Pub. Inc. chge name to Gateway Comm. Inc.

Lewiston, Id. ch 3 KLEW-TV Cascade Bdcstg Co. chge name to N.W.G. Bdcstg Co.

Little Rock, Ak. ch 4 KARK-TV Mullins Bdcstg Co. chge name to Combined Comm. Corp.

Pasco, Wa. ch 19 KEPR-TV Cascade Bdcstg Co. chge name to N.W.G. Bdcstg Co.

Winston-Salem, NC. ch 12 WSJS-TV Triangle Bdcstg Corp. chge name to Multimedia Inc.

CHANGES REQUESTED IN TV STATIONS OPERATING

Battle Creek, Mi. ch 41 WUHQ-TV req chge to 3100 kw. max. & 1400 kw. hor. vis., 310 Kw. max. & 140 kw. hor. aur., AAT 1076 ft.

Chicago, Il. ch 7 WLS-TV req 45.8 kw. vis., 9.2 kw. aur., AAT 1780 ft., xmtr to new Sears Building in Chicago.

Petersburg, Va. ch 8 WXEX-TV req 302 kw. vis.

San Francisco, Ca. ch 4 KRON-TV req chge of AAT to 1685 ft.

Springfield, Mo. ch 10 KOLR req 300 kw. vis., 30 kw. aur. AAT 2070 ft.

NEW CALL LETTERS ASSIGNED

\*Bethel, As. ch 4 ETV KYUK-TV Bethel Bdcstg Inc.

Nampa, Id. ch 6 KITC Idaho TV Corp.

Pocatello, Id. ch 6 KPOT Eastern Idaho TV Corp.

\*South Bend, In. ch 34 ETV WNIT Michiana Public Bdcstg Corp.

Terre Haute, In. ch 66 WIII-TV Alpha Bdcstg Inc.

REQUESTS FOR CALL LETTERS

Billings, Mt. ch 2 KOOK-TV The Montana Network req KQMR-TV.

Cheyenne, Wy. ch 5 KFBC-TV Wyneco Comm. Inc. req KYCU-TV.

Ft. Collins, Co. ch 22 New, Mountain State Radio & TV Corp. req KFGN.

Fredericksburg, Va. ch 69 New, TV Fredericksburg Inc. req WHFV.

Los Angeles, Ca. ch 68 ETV New, Viewer Sponsored TV Foundation req KVST.

Newark, NJ. ch 68 WWRO Blonder-Tongue Bdcstg Corp. req WBTB-TV.

Panama City, Fl. ch 13 New, Panhandle Bdcstg Co. Inc. req WDTB.

CONSTRUCTION PERMITS GRANTED

Aquadilla, PR. ch 44 New, 98.2 kw. max. & 48 kw. hor. vis., 9.8 kw. max. & 4.8 kw. hor. aur., AAT 1237 ft.

Altoona, Pa. ch 38 New, 21.4 kw. vis., 4.27 kw. aur., AAT 940 ft.

Fredericksburg, Va. ch 69 New, 275 kw. vis., 27.5 kw. aur., AAT 540 ft.

\*Los Angeles, Ca. ch 68 New, 1553 kw. max. vis., 310 kw. max. aur, AAT 2892 ft.

State College, Pa. ch 29 New, 830 kw. max. & 631 kw. hor. vis., 141 kw. max. & 107 kw. hor. aur. AAT 1110 ft.

STATIONS OFF THE AIR

LaSalle, Il. ch 35 WEEQ-TV Mid-America TV Co. off the air 8-1-72.

\*San Francisco, Ca. ch 32 KQEC station left the air 8-23-72 for period ending 3-15-73.

CHANGES IN CALL LETTERS

Johnstown, Pa. ch 19 WJNL-TV Cover Bdcstg Inc. (formerly WARD-TV).

73's  
Chuck



# STATISTICS

Deadline: Glenn Hauser, edit  
 13 November Box 62  
 Von Ormy TX 780  
 NOVEMBER 197

## SCORE BOARD

A NEW WAY of "ranking" those who report! Sheer number of stations received has been the traditional way, but this may be another equally valid method. Geographical spread--or "saturation" is computed simply by adding states, DCs, provinces, and lands not included in states & provinces. Thus, Bermuda counts no more for the easterner than does, say, Nevada for the westerner, or Guatemala for the southerner. Your reaction, please!

DXer, Location	Sat	Suns	88-92	Es	States	Prov	Lands	YF	As	g:
Andy Bolin, Charleston IL	49	845	117	116	43+DC	3	4	70	2	Si
Bruce Elving, Duluth MN	46	1131	78	478	41+DC	3	3	48	2	Q
*Russ Brown, Saint Joseph MI	46	935	141	225	38+DC	5	4	68	7	Jt
Robert Seybold, Dunkirk NY	45	651		39		4	4	60	10	Q
Glenn Hauser, Enid OK	45	519	29	275	39	4	4	65	19	Si
John Ebeling, Bloomington MN	44	670	62	290	38+DC	4	3	48	4	A
Glenn Hauser, San Antonio area TX	44	550	114	326	36+DC	1	8	71	12	Q
*Waldo F. Bishop, Tallahassee FL	41	470	77	143	34+DC	3	5	69	6	Jt
Fred Nordquist, North Syracuse NY	40	436	55	106	35+DC	2	4	69	7	Si
*Larry Vogt, Springfield VA	40	406	100	95	35+DC	2	4	68	15	Me
Pat Dyer, San Antonio TX	39	270	29	170	36	1	4	70	11	Q
Al Kopec, Himrod NY	38	481	60	67	33+DC	3	3	57	25	A
Shelby Remington, New Haven CT	38	366	58	57	34+DC	2	3	70	3	Q
*Fred Mc Cormack, Des Lacs ND	38	275	22	132	34+DC	3	2	65	7	Me
*Joe Fela, Newark & S Plainfield NJ	37	412	73	93	33+DC	2	3	68	2	Jt
Richard Wood, Baton Rouge LA	35	462	48	88	31	2	4	71	10	Q
Dennis Moe, Saint Ansgar IA	30	310	31	33	28	2	2	70	7	Q
*Ron LeBlanc, Marrero LA	29	317	47	54	23	2	6	71	3	Jt
*Mike Dornier, Metairie LA	28	356	42	64	25	1	4	69	27	Jt
*David L. Brown, Farmville VA	24	210	22	13	22+DC	0	2	70	9	Jt
Jim Hayes, Wilkes-Barre PA	21	125	4	36	18+DC	1	3	70	24	At
Tom Yingling, Dundalk MD	20	172		11	19	0	2		1	Q
*John Parillo, Girard OH	17	186	34		15+DC	1	2	58	2	Jt
Peter Sawatzky, Waterloo Ont	15	161	18	16	14	1	2	71	1	Q
*Richard T. Steinberger, Hudson MA	14	178	31	1	12	2	2	58	10	Jt
Adela Ossowski, Erie PA	12	97	25	2	10+DC	1	2		28	Se
Gil Morgan, Garden Grove & Sta Ana CA	10	127	28	10	9	0	2	69	27	Au
*Joe Kureth, Maryland	10	119	6	0	9+DC	0	1	71	26	Ma
*Glenn Hauser, Calgary Alta	9	101	7	99	7	1	3	72	9	Ju
Dennis Moe, Ames IA	9	88	8	0	9	0	1	72	8	Q
Paul Luchter, Oceanside LINY	9	86	17	1	8+DC	0	1	68	10	Au
Dennis Smith, Wasco CA	8	183	21	36	7	0	2	52	6	Au
*Bruce Metzner, Madison WI	8	146	22	1	8	0	1	72	9	Ju
John Zondlo, Hammond IN	6	47	2	0	6	0	1	71	12	Se
Frank Wheeler, Erie PA	5	80	2	0	4	1	2	64	14	Au
John Zondlo, Muncie IN	4	30	3	0	4	0	1	71	12	Se
Dennis Smith, Santa Barbara CA	2	74	8	0	1	0	2	51	6	Au

\*Update required by 12 January. Only six blanks left to be filled in. Will you, please?

### 102 MHZ FM DX RECORDS

Mhz	Pr	Call	Location	Miles	DXer, Location	Comment
102.1	Es	KDFC	San Francisco CA	1345	Glenn Hauser, Enid OK	
	Tr	KLYX	Houston TX	980	Russ Brown, Saint Joseph MI	
	MS	WRNL	Richmond VA	980	Bruce Elving, Duluth MN	now WRX
102.3	Au	WRXL	Richmond VA	565	Russ Brown, Saint Joseph MI	
	Es	WBAB-	Babylon LINY	1350	Robert Cooper, Oklahoma City OK	
	Tr	WLRS	Louisville KY	675	Bruce Elving, Duluth MN	
102.5	Au	WWSR-	Saint Albans VT	695	Russ Brown, Saint Joseph MI	
	Es	WTSP-	Saint Petersburg FL	1415	Bruce Elving, Duluth MN	now of:
	Tr	WBEN-	Buffalo NY	1085	Richard Wood, Baton Rouge LA	
102.7	MS	KQV-	Pittsburgh PA	740	John Ebeling, Bloomington MN	now WDWI
	Au	WBEN-	Buffalo NY	740	John Ebeling, Bloomington MN	
	Es	KTFM	San Antonio TX	1315	Fred Mc Cormack, Des Lacs ND	
102.9	Tr	WRVM	Suring WI	810	Robert Cooper, Oklahoma City OK	
	Au	WBRB-	Mount Clemens MI	540	John Ebeling, Bloomington MN	
	Es	KPSE	San Diego CA	1340	Fred Mc Cormack, Des Lacs ND	
6	Tr	KQUE	Houston TX	1095	Carlton Howington, Uniontown OH	
	MS	WRBL-	Columbus GA	975	John Ebeling, Bloomington MN	



# FCC FM NEWS

Bruce F. Elving, Editor  
1646 North Prospect Avenue - Apartment 414  
Milwaukee WI 53202  
Readers' contributions welcome any time!

## New Construction Permits

Op<sup>o</sup> AL 102.3 3000 h,v; 280'  
Little Rock AR \*90.3 KLRE  
Blshop CA 92.1\$ K221AD 10 w [To  
retrocast KSRN 104.5 Reno NV]  
Rio Vista CA \*90.9 10 w (horiz.)  
Durango CO \*02.3\$ K272AB 10 [To be  
broadcast KOB-FM 93.3 Allouquerque]  
Hamden CT \*88.7 10  
Hartford CT \*88.9 10 St. Thomas  
Seminary -- WJMJ  
Claxton GA 107.1 WCLA-FM  
Elberton GA 92.1 3000 h,v; 300'  
Pekin IL 104.9 3000 h,v; 263'  
Ellsworth KS 92.7\$ K224AC 10 [To  
retrocast KLOQ 105.5 Lyons KS]  
Bartonsville KY 93.5 3000 h; 300'  
Battle Creek MI 95.3 3000 h; 101'  
Grand Rapids MN 96.7 3000 h; 125'  
Columbia MO \*88.7 10  
Rolla MO 105.3 28500 h,v; 155'  
Greece NY \*90.1 10  
Idabel OK 96.7 3000 h,v; 300'  
Carlisle PA \*88.3 10  
Punxsutawney PA 105.5 3000 h,v; 300'  
Orangeburg SC 103.9 3000 h,v; 300'  
Ocean Shores WA 104.7\$ KDXJ 45000 h;  
155' (A resurrection!)

## On the Air and DX Ready!

Yuma AZ KVOY-FM 93.1 30000 h,v; 74'  
Hiddeford NE WIDE-FM 94.3 3000 h,v;  
170'  
Crockston MN KCLM \*91.7 10  
Blair NE KDCV \*91.1 10  
Exeter NH WXPX-FM 107.1 3000 h,v; 66'  
Ellenville NY WELV-FM 99.3 3000; 316'  
Oneida NY WMCGR-FM 106.3 390 h,v; 720'  
[Simulcasts with AM, mono, signs off  
10 p. m. local time, says Allen  
Rockford. WBO-FM (below) is mono.]  
Owego NY WBO-FM 101.7 1150 h,v; 450'  
Milwaukee (Lake Oswego?) OR KQIV  
106.7 100000 h,v; 600'  
Central City PA WCCS 101.7 500 h,v;  
650'  
Greenville SC WEPR \*90.1\$ 97000, 1100'  
San Antonio TX KBUC-FM 107.5 (having  
moved from 106.3) 100000 h,v; 285'  
Weston WI WVAW-FM 102.3 940 h,v; 450'

## Station Changes

Fresno CA KFIG from 94.5 to 101.1  
(50000 h,v; 310')  
San Diego CA KGB-FM 101.5 adds v  
Brookfield CT WINE-FM 95.1 adds v  
New Britain CT WRCH-FM 100.5 to  
20000 h,v; 720'  
Fort Lauderdale FL WFTL-FM 106.7 to  
92000 h,v; 900'  
Miami FL WEDR 99.1 70000 h, 47000 v;  
165' \*280'  
Jesseville IL WJEM-FM 104.1 50000; 7  
Cedar Rapids IA KHAK-FM 98.1 6800

Fulton KY WFUL-FM from 104.9 to 99.3 (50C h; 155')  
Louisville KY WKLO-FM 99.7 20000 h,v; 720'  
Lewiston ME WELN 107.5\$ to 30000 h,v; 610'  
Annapolis MD WFST 107.9 adds v  
Brookline MA WHEW-FM 97.7 to 300C h,v; 275'  
Lawrence MA WCCM-FM 93.7 to 430' (50000)  
Springfield MA W-HVY 94.7 adds v  
St. Paul MN KSNJ \*91.1 to 1290' (100000 h,v)  
Rolla MO KMSM \*88.5 to 100000; 460'  
Oneonta NY WONT 103.1 to 2000 h,v; 360' [Calls,  
St. Paul NY WIBQ from 94.9 to 98.7;  
25000, h,v; 660'.  
Eridgeton NC WNVB from 97.7 to 106.5 100000 h,  
27000 v; 730'  
Raleigh NC WSHA \*88.9 to 12650 w; [from 10w]  
Raleigh NC WRAL-FM 101.5 to a full 250000 v, as  
well as h (990')  
Ashland OH WACO-FM 101.3 to 25000; 390'  
Cincinnati OH WUCB \*90.9 to 18500; 600'  
Eugene OR KZEL-FM 96.1 100000 h,v; 870'  
Lancaster PA WGAL-FM 101.3 850C h,v; 940'  
Philadelphia PA WDCR 101.1 2550C h,v; 650'  
Beaufort SC WEEU-FM 98.7 to 1800C h,v; 225'  
Arlington TX KAMC 94.9 increases v to 50000  
Houston TX KLEF 94.5 to 100000 h,v; 590'  
La Crosse WI WJLA 101.3 adds v (100 kw h,v; 540')  
River Falls WI WRFM \*85.7 to 750 h; 260'

## Dual-City Identification Granted

Edinburg TX KBFM 104.1 to Edinburg-McAllen

## Call Letter Assignments

Birmingham AL 106.9 WERC-FM (formerly WBCR-FM)  
Mobile AL 92.9 WBLX  
Berkeley CA 102.9 KRE-FM (KPE-FM)  
Big Bear Lake CA 101.7 KTOT-FM  
Arcata CA \*91.5 KAHS  
San Francisco CA 93.3 KYA-FM (KOIT)  
San Mateo CA 107.7 KSOL (KVEZ) Soul format?  
Santa Clara CA 105.7 KARA (was KREP)  
Lakewood CO 107.5 KLAN-FM (KJAE)  
Monroe CT \*88.1 WMR (construction extended to  
6-14-73)  
Fort Lauderdale FL \*90.3 WAFG  
Melbourne FL 107.1 WTAI-FM  
Carrollton GA \*89.3 WWGC  
Arlington Heights IL 92.7 WMMI (WEXI, WNBC)  
Brazil IN 97.7 WWCN-FM  
Davenport IA 103.7 KLIK - Russ Brown adds  
that this station is now rock, with \$ (WOC-FM)  
Mount Pleasant MI \*89.5 WCMU (not WCMU-FM),  
(construction extended to 4-7-73 for 100 kw h,v)  
Billings MT \*91.7 KEMC  
Concord NH \*90.3 WCPG  
Elizabeth City NC 93.7 WMYK  
Cincinnati OH 101.9 WKRC (WKRC-FM)  
Delphos OH 107.1 WDOH  
Albany OR 107.9 KHPE (KNIL-FM)  
Dallas TX 104.5 KEZT (K1XL-FM)  
Galveston TX 106.5 KESY (KGBC-FM)  
Houston TX \*90.9 KTSU  
St. George UT 93.5 KDXS-FM  
Bellevue WA 92.5 KBES-FM (KFKF-FM)  
Seattle WA 96.9 KEZK (KBEX)  
Milwaukee WI \$ 102.9 WBCS (WFWO) Country.

## Abbreviations used in this column:

\$ = Stereo. h = horizontal effective radiated power in watts; v = vertical effective radiated power in watts; ' = feet above average terrain; FM = frequency modulation; kw = kilowatts; plus two-letter state abbreviations.

## Heard Testing

Chicago IL WEEZ \*91.5 39000; 550', but not on the air as of Sept. 1, as promised with a 14-hour a day schedule [Still off in October]  
Omaha NE KVNQ \*90.7 3000, 640'- Thanks to Marv Robbins, who says KSOO-FM 97.3 Sioux Falls SD is still not on.  
Milwaukee WI WYMS \*88.9 240 h, 896' Mono, automated rock. Target date Nov. 1, 1972.

## New Stereo Stations

Chicago IL WMBI-FM \*90.1 as of 10-9-72  
Topeka KS WJWB-FM 97.3 with country  
Ann Arbor MI WCBN \*89.5 another 10-w stereo station - Thanks, Russ Brown  
Battle Creek MI WKFR-FM 103.3 and Kalamazoo MI WQLR 106.5, both having dropped rock and carrying MOR (middle of the road music)  
Meridian MS WDAL-FM 101.3 as of 8-1-72  
Syracuse NY WAER \*88.3, reports Allen Rockford who says the Christian Network (WOIV, WEIV, etc.) is sometimes all stations \$; sometimes 1, then none!  
Planning stereo is WJOM \*91.9 Ann Arbor (and presumably WVGR 104.1 Grand Rapids); & KDUZ-FM 107.1 Hutchinson MN, says Fred McCormack.

## Off the Air - Deleted?

Tyler TX 93.1 KZAK-FM - mentioned by Russ Brown, St. Joseph MI. On the other hand, Richard Wood heard WPKR 99.3 Uniontown PA [mentioned as off the air last month] on 2 June.

## Other news:

Adela Ossowski, Erie PA, reports WQLN- \*91.3 Erie will start broadcasting Nov. 1 or shortly thereafter.  
Thomas J. Yingling, Baltimore MD, sends an article about a new 10-watter planned at Sparrows Point MD [WSPH are the calls they hope to use]. Tom enjoys DXing with a Lafayette tuner, twenty-element yagi antenna, and FM Atlas!

## Errata

The power of KPIL-FM 97.3 Carson City NV was incorrectly given last month as 11600 h; it is 51600 (31000 w).

New Puerto Rico updates from last month from J. Bahr, Hato Rey: WPRP-FM 105.1 Ponce is on the air; WRSJ-FM 100.7 Bayamon is silent. WTFM 92.9\$ Aguadilla is now 18000 h.



# FCC TV NEWS

CHARLES A. DOBBINS  
12851 LONGACRE  
DETROIT, MI. 48227

## APPLICATIONS FOR NEW TELEVISION STATIONS

- \*Baton Rouge, La. ch 27 ETV 1240 kw. vis., 248 kw. aur., 929 ft. AAT.
- \*Beaufort, SC. ch 16 ETV 1009 kw. max. & 431 kw. hor. vis., 202 kw. max. & 69.2 kw. Hor. aur., AAT 1260 ft.
- Meridian, Ms. ch 30 Amer. Public Life Bdcstg Co. 282 kw. max. & 234 kw. hor. vis., 56.2 kw. max. & 46.7 kw. hor. aur., AAT 553 ft.
- \*Sioux City, Ia. ch 27 ETV 5000 kw. max. & 935 kw. hor. vis., 1000 kw. max. & 187 kw. hor. aur., AAT 1045 ft.
- Washington, DC. ch 12 Greater Washington Educ. Telecomm. Assn. 316 kw. max. & 23.7 kw. hor. vis., 32 kw. max. & 2.66 kw. hor. aur., 698 ft. AAT.

## STATIONS ON THE AIR

- \*Bethel, As. ch 4 KYUK-TV Bethel Bdcstg Inc. gtd STA 8-14-72 for unannounced prog. start. Note: station is bdcstg at 50 watt visual temporarily until 11-11-72.
- \*Charlotte Amalie, VI. ch 12 WJTX-TV V.I. Public TV System gtd prog. test authorization 8-17-72 for unannounced programming start.
- \*East Lansing, MI. ch 23 WKAR-TV Michigan State Univ. gtd prog. test authorization for start of programming on 9-15-72.
- \*Green Bay, WI. ch 38 WPNE Educ. Comm. Bd. gtd prog start on 9-11-72.
- Hanford, Ca. ch 21 KFTV Spanish International Conn. Corp. gtd prog. start on 9-20-72 for 6-month period as satellite of KMEX-TV Los Angeles prog. (local) to begin following this period.
- Santa Rosa, Ca. ch 50 KFTY Redwood Empire Bdcstg Co. gtd prog. start for 8-19-72.

## CHANGES GRANTED IN TV STATIONS OPERATING

- \*Augusta, Me. ch 10 WCBB Colby-Bates-Bowdoin Educ. Telecasting Corp. for 309 kw. vis. 63 kw. aur. AAT 1000 ft.
- Austin, Tx. ch 42 KHFI-TV Kingstip Comm. Inc. for 7-25-72 switch to ch 36 5000 kw. max. & 1380 kw. hor. vis., 500 kw. max. & 138 kw. hor. aur.
- Bangor, Me. ch 7 WEMT Down East TV Inc. gtd prog. auth. 8-8 for 316 kw. vis., 31.6 kw aur.
- Des Moines, Ia. ch 8 KRNT-TV Cowles Comm. Inc. gtd 8-9 for chge to 316 kw. max. & 197 kw. hor. vis., 47.4 kw. max. & 29.5 kw. hor. aur., AAT 1940 ft. xmtr to 1 mi. SW of Alleman, Ia.
- El Paso, Tx. ch 9 KTSM-TV Tri-State Bdcstg Co. gtd 9-8 chge to 316 kw. vis., 42.7 kw aur.
- Harrisburg, Pa. ch 21 WHP-TV WHP Inc. 8-16 chge to 1250 kw. max. & 479 kw. hor. Vis., 245 kw. max. & 95.5 kw. hor. aur., AAT 1220 ft.
- Mayaguez, PR. ch 16 WNGZ Tele San Juan Inc. 8-2 chge xmtr loc. to top of Pico Atalaya.
- Minot, ND ch 13 KXMC-TV KXMC-TV Inc. 8-29 for 316 kw. max. vis., 31.6 kw. max. aur.
- \*San Jose, Ca. ch 54 KTHE 8-7 for 305.5 kw. max. & 295 kw. hor. vis., 61.1 kw. max. & 58.9 kw. hor. aur., AAT -30 ft.
- San Juan, PR. ch 2 WKAQ-TV Telemundo Inc. gtd test auth. 9-9 for 53.7 kw. vis., 10.5 kw. aur. AAT 2830 ft., xmtr to Cerro La Santa, 21 mi. S. of San Juan.
- San Juan, PR ch 18 WTSJ Tele San Juan Inc. 8-9 for 1060 kw. max. & 952 kw. hor. vis., 100 kw. & 95.2 kw. hor. aur., AAT 270 ft.
- Tampa, Fl. ch 8 WFLA-TV WFLA Inc. 9-18 for 302 kw. vis. & 60.3 kw. aur.
- Washington, DC. ch 7 WMAL-TV Evening Star Bdcstg Inc. 7-25 for 302 kw. vis. & 45.7 Kw. aur. AAT 770 ft.
- Washington, DC ch 9 WTOP-TV Post-Newsweek Stations 8-17 for chge to AAT 770 ft.
- Youngstown, Oh. ch 33 WYTV WYTV Inc. 9-15 for 912 kw. max. & 550 kw. hor. vis., 183.7 kw. max. & 110.8 kw. hor. aur. AAT 580 ft.

## MODIFICATION OF CP GRANTED

- \*Alliance, Oh. ch 45 WNEO-TV 9-8 for chge to 1840 kw. max. & 1260 kw. hor. vis., 268 kw. max. & 251 kw. hor. aur., AAT 830 ft.
- \*Cambridge, Oh. ch 44 WOUC-TV for chge to 555 kw. max. & 436 kw. hor. vis., 111 kw. max. & 87.1 kw. hor. aur., AAT 1290 ft., xmtr to 3.8 mi. NW of Fairview.
- \*Charlotte Amalie, VI ch 12 WTJX-TV for chge to 31.6 kw. max. & 16.6 kw. hor. vis., 6.32 kw. max. & 3.31 kw. hor. aur. AAT 1490 ft.
- \*Corpus Christi, Tx. ch 38 KEDT 8-23 for freq chge to ch 16; 871 kw hor. vis., 117 kw hor. aur., AAT 970 ft.
- Farmington, NM ch 12 KIVA-TV for 38 kw. vis., 7.59 kw. aur., AAT 410 ft.
- \*Huntington Beach, Ca. ch 50 KOCE-TV for 2750 kw. max. & 290 kw. hor. vis., 275 kw. max. & 29 kw. hor. aur., AAT 1903 ft.
- \*Las Cruces, NM. ch 22 KRWG-TV 8-7 for 1730 kw. max. & 1620 kw. hor. vis., 344 kw.



STATISTICS

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Contributors of 102 MHz record candidates: Brown, Cooper, Dorner, Dyer, Ebeling, Elving, Fela, Hauser, Hobday, Howington, LeBlanc, McGormack, Merrill, Moe, Remington, Sawatzky, Smith, Vogt, Wood, Yingling. Strange how contributors dwindle as frequencies increase...

UHF TV DX RECORDS, CH. 55-69

Ch	Call	Location	Prop	Miles	DXer, Location	Comments
55	WHYN-	Springfield MA		340	Robert Seybold, Dunkirk NY	now ch 40
	WHP-	Harrisburg PA		205	Richard & David Nieman, Buffalo NY	now ch 21
					King Schafer, Kenmore NY	
					Art Collins, Buffalo NY	
	K55AA	San Angelo TX		185	Glenn Hauser, Von Ormy TX	of KTXS- 12
56	WKBG-	Boston MA		420	Mark Lewis, Downsvievw Ont	WKBG TVch56
	WTVS	Detroit MI		900	Robert Cooper, Oklahoma City OK	
	KPEC-	Lakewood Center WA		120	Mike Northam, Beaverton OR	
57	WKYH-	Hazard KY		405	Robert Seybold, Dunkirk NY	
	WGBY-	Springfield MA		340	Robert Seybold, Dunkirk NY	
	WKNX-	Saginaw MI		450	Don Voegele, Lancaster PA	now ch 25
	WCGWW	Richmond VA		350	Robert Seybold, Dunkirk NY	
	W57AB	New York NY		20	Paul Luchter, Oceanside LINY	of WNBC-TV4
58	WUNG-	Concord NC		345	Tom Yingling, Dundalk MD	
59	WTVU	New Haven CT		235	Tom Yingling, Dundalk MD	
	WFAM-	Lafayette LA		410	Robert Seybold, Dunkirk NY	now ch 18
	WBES-	Buffalo NY		5	Norm Erint, Kenmore NY	now off
60	WLXT	Aurora IL		455	Robert Seybold, Dunkirk NY	now off
	WKAR-	East Lansing MI		255	Robert Seybold, Dunkirk NY	now ch 23
61	W61AA	Fort Lauderdale FL		5	Robert Frantz, Fort Lauderdale FL	of WCIX-6
					Richard Clark, Fort Lauderdale FL	
	WKBF-	Cleveland OH		405	Bruce Metzner, Madison WI	
	WHUM-	Reading PA		70	Gordon Simkin, Havre de Grace MD	now off
62	WFIE-	Evansville IN		150	Larry Vehorn, Speedway IN	now ch 14
	WBLG-	Lexington KY		545	Dave Pomeroy, Overland Park KS	
	WXON-	Detroit MI		305	Ron Hade, Rockford IL	
63	W63	Mansfield PA		380	Roger Brown, East Lansing MI	of WVIA-44
64	W64AA	New York NY		165	Tom Yingling, Dundalk MD	of WNEW-5
66	W66AAA	New York NY		15	Jerry Pulice, Staten Island NY	of WABC-7
	K66AB	Perryton TX		180	Robert Cooper, Oklahoma City OK	KGNC-4 of
		Guanabo Cuba		195	Carlton Howington, Homestead FL	AT&T now off
67	WMPB	Baltimore MD		325	J. Joel Rosenberg, Downsvievw Ont	
					Mark Lewis, Downsvievw Ont	
	WNCK-	Columbia SC		10	Carlton Howington, Fort Jackson SC	now ch 19
68	W68AA	Danville IL		125	Morrie Goldman, Chicago IL	of WAND-17
	WKMJ-	Louisville KY (IN)		495	Mark Lewis, Downsvievw Ont	
					J. Joel Rosenberg, Downsvievw Ont	
	K68AD	Perryton TX		180	Robert Cooper, Oklahoma City OK	of KVII-7

NEW TV DX RECORDS, CH. 2-54

Old Record

2	KOAI-	Flagstaff AZ	Es	1785	Robert Seybold, Dunkirk NY	Dombrowski 1370
	KTCA-	Saint Paul MN	Tr	430	Joe Markewicz, Camp Morton Man	McGormack 215
	KDIX-	Dickinson ND	Tr	380	Joe Markewicz, Camp Morton Man	Dillon 265
	KUSD-	Vermillion SD	Tr	500	Joe Markewicz, Camp Morton Man	Pomeroy 305
	CKPR-	Thunder Bay Ont	Es	1845	Jim Pizzi, Orcutt CA	Simkin 1745
			Tr	385	Joe Markewicz, Camp Morton Man	Draeb 290
	CKCO-1	Wiarnton Ont	Es	1430	Pat Dyer, San Antonio TX	Cooper 1065
			Tr	215	Roger Brown, East Lansing MI	Wheeler 190
	CKCK-	Regina Sask	Tr	325	Joe Markewicz, Camp Morton Man	McGormack 205
	YSR-	San Salvador E S	Es	2050	Robert Seybold, Dunkirk NY	Kamp 1410
3	KTVS	Sterling CO	Es	1240	Morris Sorensen, Emsdale Ont	Lewis 1220
	KMTV	Omaha NE	Es	1385	Jim Pizzi, Orcutt CA	Doyle 1380
	KORK-	Las Vegas NV	Es	1925	Robert Seybold, Dunkirk NY	Pomeroy 1120
	KOTA-	Rapid City SD	Tr	540	Joe Markewicz, Camp Morton Man	McGormack 295
	KBTX-	Bryan TX	Es	1435	Paul Luchter, Oceanside LINY	Dillon TIE
	KACB-	San Angelo TX	Es	1305	David Brown, Farmville VA	Bell 1265
			Tr	305	Don Ruland, Houston TX	(location correction)
	CKVR-	Barrie Ont	Es	1260	Dick Clark, Fort Lauderdale FL	Dillon 1240
4	WBEN-	Buffalo NY	Tr	460	Don Ruland, Kenosha WI	Draeb 455
	KGBT-	Harlingen TX	MS	1265	Don Ruland, Kenosha WI	Swanson 1225
	WOAY-	Oak Hill WV	Tr	475	Don Ruland, Kenosha WI	Meers 240
	"CBUT3"	Port Alberni BC	Es	1015	Jim Pizzi, Orcutt CA	none



STATISTICS

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4	"CENT2"	Lac du Bonnet Man	Es	1180	Joe Kureth, New Windsor MD	none
	"CEKMT"	Moose Jaw Sask	Es	1620	Tom Yingling, Dundalk MD	Horsley 1505
5	KFSA-	Fort Smith AR	Tr	600	Don Ruland, Kenosha WI	Neal 300
	WTTG	Washington DC	Es	1380	Fred MCGormack, Des Lacs ND	Neal 1255
	WCVB	Boston MA	Es	1010	Dave Bright, Muscatine IA	none
			MS	670	Roger Brown, East Lansing MI	none
	KHBV	Henderson NV	Es	1925	Robert Seybold, Dunkirk NY	Grace 1110
	WNEW-	New York NY	Es	1445	Fred MCGormack, Des Lacs ND	Hauser 1315
	WHEN-	Syracuse NY	Tr	420	Roger Brown, East Lansing MI	Luoma 360
	WRAL-	Raleigh NC	Es	1460	Fred MCGormack, Des Lacs ND	Godwin 1300
	KFYR-	Bismarck ND	Es	1300	Jim Pizzi, Orcutt CA	Hider 1360
	KORN-	Mitchell SD	MS	1030	Norm Ernt, Kenmore NY	WITHDRAWN-Egan 1170
	WCYB-	Bristol TN	Es	1275	Fred MCGormack, Des Lacs ND	Godwin 1090
			Tr	520	Don Ruland, Kenosha WI	Yingling 365
			Tr	---	NO RECORD	WITHDRAWN-Egan 340
6	CKSO-	Sudbury Ont	Tr	---	---	---
	WBRC-	Birmingham AL	Es	1275	Fred MCGormack, Des Lacs ND	Nordquist 1135
	WCTV	Tallahassee FL	Es	1520	Fred MCGormack, Des Lacs ND	Hauser 1325
	KTAL-	Shreveport LA	Tr	370	Pat Dyer, San Antonio TX	Hauser TIE
	WCSH-	Portland ME	MS	690	Roger Brown, East Lansing MI	Nieman 415
	KTVM	Butte MT	Es	1260	David Rosenstock, Chicago IL	Cooper 1050
	WRGB	Schenectady NY	MS	530	Roger Brown, East Lansing MI	none
	WECT	Wilington NC	Es	1540	Fred MCGormack, Des Lacs ND	Hauser 1245
	WPVI-	Philadelphia PA	Es	1420	Fred MCGormack, Des Lacs ND	Neal 1360
	WTEV	Providence RI	MS	675	Roger Brown, East Lansing MI	none
	KRIS-	Corpus Christi TX	MS	1160	Don Ruland, Kenosha WI	Heusmann 1095
	KHQ-	Spokane WA	Tr	280	Frank Aden, Boise ID	none
	CJOH-	Desoronto Ont	Tr	175	Peter Sawatzky, Waterloo Ont	none
	GHSS-	Wynyard Sask	Es	1335	Robert Seybold, Dunkirk NY	Miltier 1310
	YNSA-	Managua Nicaragua	Es	1410	Glenn Hauser, Von Ormy TX	none
7	KTVB	Boise ID	Es	1145	Dave Pomeroy, Overland Park KS	none
8	KNOE-	Monroe LA	Tr	885	Bill Draeb, Kewaunee WI	Weinstein 880
9	WNYC-	Syracuse NY	Es	420	Roger Brown, East Lansing MI	Merrill 390
	WACW-	Wausau WI	Es	610	Fred MCGormack, Des Lacs ND	Seybold 540
10	KBGL-	Pocatello ID	Es	195	Frank Aden, Boise ID	none
	KWCM-	Appleton MN	Es	340	Fred MCGormack, Des Lacs ND	MCGormack 125
11	WTCK-	Meridian MS	Es	865	Robert Seybold, Dunkirk NY	Howington 685
	CKSO-3	Kearns Ont	Es	365	Robert Seybold, Dunkirk NY	none
12	KSIA-	Shreveport LA	Es	885	Bill Draeb, Kewaunee WI	Himes 685
	WJTV	Jackson MS	Es	925	Robert Seybold, Dunkirk NY	Heusmann & Kureth 655
13	KTVR	Legrande OR	Es	140	Frank Aden, Boise ID	Wall 35
14	WMUB-	Oxford OH	Es	400	J. Joel Rosenberg, Downsvlew Ont	Lewis TIE
15	WKPC-	Louisville KY (IN)	Es	495	J. Joel Rosenberg, Downsvlew Ont	Lewis TIE
	WTAP-	Parkesburg WV (OH)	Es	465	Bill Draeb, Kewaunee WI	Rosenberg 320
16	WNPE-	Watertown NY	Es	435	Roger Brown, East Lansing MI	Seybold 200
	WOET	Kettering OH	Es	370	J. Joel Rosenberg, Downsvlew Ont	Draeb TIE
17	KTGI-	Saint Paul MN	Es	465	Roger Brown, East Lansing MI	Draeb 275
19	KXNE-	Norfolk NE	Es	660	Roger Brown, East Lansing MI	Draeb 505
20	WUTR-	Utica NY	Es	635	Don Ruland, Kenosha WI	Brown 460
23	WKAR-	East Lansing MI	Es	260	J. Joel Rosenberg, Downsvlew Ont	Seybold TIE
	WGVE	Richmond VA	Es	455	Roy Barstow, Teaticket MA	Lewis 435
25	WUNK-	Greenville NC	Es	550	Roy Barstow, Teaticket MA	none
26	WETA-	Washington DC (MD)	Es	650	Bill Draeb, Kewaunee WI	Carriere 465
27	WRFT	Roanoke VA	Es	440	Roger Brown, East Lansing MI	Seybold 355
29	WMAA	Jackson MS	Es	925	Robert Seybold, Dunkirk NY	Clark 740
	KHNE-	Hastings NE	Es	710	Roger Brown, East Lansing MI	MCGormack 540
31	WNYC-	New York NY	Es	555	Roger Brown, East Lansing MI	Howington 385
33	WJPM-	Florence SC	Es	705	Roy Barstow, Teaticket MA	Clark 550
	KBFI-	Dallas TX	Es	440	Ron LeBlanc, Marrero LA	Hauser 250
36	WENY-	Elmira NY	Es	555	Don Ruland, Kenosha WI	Draeb TIE
38	WPNE	Green Bay WI	Es	455	Robert Seybold, Dunkirk NY	none
39	WUNJ-	Wilmington NC	Es	645	Roy Barstow, Teaticket MA	Seybold 555
	WLVT	Bethlehem PA	Es	665	Bill Draeb, Kewaunee WI	Brown 485
	KHTV	Houston TX	Es	1260	Robert Seybold, Dunkirk NY	Hauser 490
41	WIIQ	Demopolis AL	Es	835	Robert Seybold, Dunkirk NY	Cooper 595
45	WTGI-	Chattanooga TN	Es	665	J. Joel Rosenberg, Downsvlew Ont	LeBlanc 460
47	WNJU-	Linden NJ (NY)	Es	555	Roger Brown, East Lansing MI	Howington 385
48	WCET	Cincinnati OH	Es	410	J. Joel Rosenberg, Downsvlew Ont	Draeb 400
54	WGVN	Covington KY	Es	410	J. Joel Rosenberg, Downsvlew Ont	Lewis TIE

KHQ-6TV



# AUSTRALASIAN SCENE



Glenn Hauser  
November 1972

No, I haven't gone back to Thailand--but now, nearly two years after the last appearance of this column, it's high time for a few corrections and a windup report on verifications. In addition, a summary of TVDX observations in Australia. A 2-page "Australasian Scene" column appeared in the following 1970-71 VUDs, u.o.s.: Apr, Jul, Sep, Oct (plus cover), Nov, Dec (3 pp), Jan (+photo page). HQ may be able to supply photocopies if anyone needs these exhaustive summaries of all VHF DX observations I made, along with some station feature material.

**Corrections:** Bangkok's ch. E3 colour station is actually called HSTV; I zipped past the studios west of the city. The long-haul Arabic-speaking ch. E2 station was "unverified" by Lebanon; but now we know that a 6-kw ch. E2 station is operating in Dubai. This seems much more likely, as it is not far from the definitely identified Saudi Arabian A2.

**Reception reports** went to a number of other stations, with the following results:

## BRITISH FORCES BROADCASTING SERVICE

SINGAPORE - HQ FARELF, c/o GPO SINGAPORE

MARCONI  
TRANSMITTER TYPE B3 3212

AERIAL SLEEVE DIPOLE

EFFECTIVE RADIATED POWER

5 K. WATTS MONO.

Thank you for your report concerning our transmissions on \_\_\_\_\_ Metres

Kcs 88.9 M/cs covering the period 0829 hrs to 1142 0900 hrs

on 18th OCTOBER 1970. The contents of your report have been checked with our Station Log for that day and found correct. May we take this opportunity of wishing you good luck and happy listening during 1971!

*Robert*  
SENIOR ENGINEER

**Singapore.** BFBS (now defunct) sent the card at left, and a letter saying "it is in fact the furthest our FM transmission has been received." Radio Singapore confirmed all four FM frequencies in one letter, but enclosed "reception report card" was inspecific. V/s was G. O. D'Souza, Operations Exec. f. Director of Broadcasting.

**Malaysia.** TV Malaysia, Kuala Lumpur, did not reply to report of its ch E3 in Johore Bahru.

**Japan.** Wakayama Broadcasting Co. confirmed my report of this AM station's FM link from Mt. Makiyama to Kusimoto and Shingu on 56.09 MHz, 150 watts. Another link operates from Wakayama to Mt. Makiyama on 67.91 MHz, also 150 watts. V/s Toru Seki, Pres., also sent a nice gift of Kokeshi, Japanese wooden dolls. NHK was less cooperative. Although my recording of their STL was "very, very rare and interesting," a rule exists "not to issue a verification card for the relay transmission." However, the station on the tape was identified as relaying JOKX-780 Tokushima, on 66.65 MHz, with 50 w directional toward me.

**South Korea.** No reply from AFKN-TV for taped report. No reply from KBS for its 44-50 MHz FM links which received nearly every day.

**Okinawa.** No reply for AFRT-89.1, but did confirm by phone soon after the reception.

**India.** AIR-TV, Delhi, replied that they found my report very interesting, and were studying it. They promised to write again, but never did; a follow-up was unanswered too.

**Pakistan.** No reply received from Karachi TV, despite a tape recording sent them which should have left no doubt.

**Saudi Arabia.** ARAMCO TV, Dhahran, sent a very specific letter which is the prize of my collection. B. A. Biedenharn, CE, said my report was "certainly the first from so great a distance." (3400 miles).

**Great Britain.** BEC, thru World Radio Club, was inclined to believe my report was BBC-TV, around 41.5 MHz, but they stopped short of confirmation. Said this had been received in Jamaica during intense sporadic E.

**France.** Udeniable taped report sent via ORTF English section was never answered.

**Hawaii.** Hawaiian Telephone Co., P.O. Box 2200, Honolulu, HI 96805, verified the city's "other" pager, on 35.22 MHz. It's a tone-signaler called "private page," call KLF527. It uses seven transmitters, each rated at 330 watts. V/s was Gus Pearson, Communications Consultant, Long Lines Division.

QSLs from Radio Malaysia Sabah (FM), ABS-CBN Manila (TV ch A2 and A4), and Radio Hong Kong



Note: Australian call signs are logical and unique. All "AB-" stations are run by the Australian Broadcasting Commission. Three-letter calls are originating stations; four-letter calls are satellites; the last letter indicates the state. Private commercial stations choose their own first two letters. None conform to IYU prefixes, but we will omit the customary "quotation marks" for simplicity. Aussie channels are as follows:

Ch	MHz	2	63-70	5	101-108	7	181-188	10	208-215
0	45-52	3	85-92	5A	137-142	8	188-195	11	215-222
1	56-63	4	94-101	6	174-181	9	195-202		

New Zealand has three lowband channels, 1, 2, and 3, on 44-51, 54-61 and 61-68 MHz. These correspond approximately to the Australian channels numbered one lower.

Bruce Cartv, in a September letter to us, tells of his TVDX experience in Queensland. "Reception in Mount Isa is over a six-week period in the middle of summer via troposphere bounces. This was confirmed by the fact that it did not matter how high, how low, what polarization, or what direction the antenna was pointed. If any or all of these conditions were changed, there was no change in the reception conditions of any signal. The antenna was a seventeen-dipole log-periodic with six yagi elements out front. It is a wide-band antenna." (North Americans would reach no such conclusion, as the list of catches below are typical of the frequencies and distances involved in sporadic E, which peaks in the summer. -ed)

Call Sign	Location	Miles	Call Sign	Location	Miles
ABAS - 3	Renmark, S. Australia	950	ABAV - 1	Albury, Victoria	1170
ABMV - 4	Mildura, Victoria	955	ABGS - 1	Mount Gambier, S. Aust.	1190
ABSQ - 1	Stanthorpe, Queensland	960	ABRV - 3	Ballarat, Victoria	1200
TQ - 0	Brisbane, Queensland	970	ABV - 2	Melbourne, Victoria	1235
ABQ - 2	Brisbane, Queensland	970	ATV - 0	Melbourne, Victoria	1235
ABS - 2	Adelaide, S. Australia	985	ABLV - 4	Traralgon, Victoria	1270
ABMN - 0	Wagga Wagga, N. S. W.	1115	WNTV - 1	Wellington, New Zealand	2445
NBN - 3	Newcastle, N. S. W.	1135	DZQA - 2	Quezon City, Philippines	2720
ABN - 2	Sydney, New South Wales	1150		plus Mount Isa channels 6 and 8.	

"...ADS-7 (North Adelaide, 955 mi -ed) and TNQ-7 (Townsville, 475 mi -ed) were received every summer in Mount Isa. (but not by Bruce -ed) Now, however, this would be impossible as channels 6 and 8 have started in Mount Isa. When I moved to Mount Isa to install the equipment for ITQ-8 there were several sets of stacked antennas; some pointed towards ADS-7 and some to TNQ-7, both nearly 1000 miles away." (We would guess that Townsville would be tropo, but the long path to Adelaide is over a rather arid desert area--so high band Es, perhaps? -ed) "WNTV-1 was very regular; often for several hours without fading. (F2 or double-hop Es -ed) Sometimes WNTV-1, ATV-0, ABMN-0 and TVQ-0 could all be identified at the same time with four pictures on the screen."

In Brisbane, Bruce reports nearby NSW and Qld stations under 150 miles, notably 10-watter DDQ-5, Toowoomba, 70 miles, plus the following, presumably by Es:

ABN - 2	Sydney, New South Wales	455	ABMN - 0	Wagga Wagga, N. S. W.	630
ABWN - 5A	Wollongong, N. S. W.	500	ATV - 0	Melbourne, Victoria	865

During one 6-hour period in Tamworth, NSW, Bruce noted 7 NSW stations under 135 mi, plus TVQ-0, Brisbane, 285 miles.

"DNTV-2 Dunedin, NZ, and channel 1, Vladivostok, USSR, are occasionally received along the east coast of Australia (not by me). Kuala Lumpur 5, in Malaysia is often seen during summer in Darwin." (Very interesting; the distance is about 2320 miles, and ch. 5 in Malaysia is 174-181 MHz. Perhaps one of the lowband relays on ch. 3 or 4 would be more likely, via trans-equatorial scatter, or double-hop Es. Many thanks for your letter, Bruce! -ed)

\* \* \*

Despite George Palmer's pioneering achievements, by pulling in BBC television half a world away at his Williamstown, Victoria DX shack some 15 years ago, TVDXing does not seem to have caught on in Australia even to the extent that it has in Europe. To my knowledge, there has been no club devoted exclusively to TVDX down under, but in recent years, following reports of my activity in Thailand, the Australian Radio DX Club (the only DX club of any note in Australia) has devoted occasional space to TVDX. Unfortunately the reporters and/or editors are a bit haphazard about giving dates, distances and propagation modes, so in the summary to follow drawn from the pages of "Australian DX News", we have added as much of this vital information as possible.

September 1970. Following publication of my first writeup concerning Manila TV and FM received in Thailand, editor Bob Padula comments in part:

"The TV reception of the BBC...created quite a stir... If I remember correctly, it ...continued



was prior to 1958, about 1955/56, just before the first regular TV transmissions started from Melbourne, during Olympic Games year. ... The local press featured his achievements, and I can dimly recall seeing photos of his gear, with what seemed to me at the time absolutely huge antenna towers. When TV hit us a little later, DX was put into the background, and little has been heard of any further long-distance achievements since.

"My own observations made with the household set, about 10 years old now, show that DX even from Melbourne is possible! During a power blackout some months ago, quite good reception was noted of the Brisbane station TVQ-0 (855 mi -ed), when local ATV-0 was off the air, at around 7pm local. Similar reception has been noted on various other occasions of this lowest frequency station, with a path length from TX to RX of about 1000 miles. Both are horizontally polarized, which accounts for the relative ease with which the signals were revealed. Members in Sydney from time to time are able to note the NZ transmissions! for our summer months, MUF's of the order of 50 MHz are not uncommon, for propagation paths in daylight between Australia over the Pacific, which was the situation last December/January. (Bob is presumably referring to F2 MUFs -ed) In fact, for October, the IPS charts show a MUF of just on 35 MHz at 2200-0400 GMT for the Canberra-Honolulu route. ...an interesting field for investigation, particularly if you're able to make use of a rotatable antenna, and which can be swung round from horizontal to vertical polarization." (North American TVDXers, where horizontal polarization is universal, nevertheless believe ionospheric skip randomizes original polarization! -ed)

**February 1971.** John Schache, Tallima, NSW (near Wagga2), reports on "TV DXing from New South Wales. 21/12/70 at 0130 GMT, openings to Queensland on ch 3 and 4. First noticed! ABRQ-3 in Rockhampton (800 mi -ed). Weather was unsettled, and about 4 hours later a storm passed several miles to the north. Clear and sharp picture, sound fair; f/out 0140. At 0143, ABRQ-4, Mackay was seen (950 mi -ed)...it was gone by 0200."

26/12/70 at 0900, ch. 2 (one commercial and one ABC), maybe ABN-2 Sydney (235 mi -ed) and ABDN-2 Grafton-Kempsey (470 mi, but both these are ABC -ed). Local RVN-2 was off the air (and is the only commercial stn listed on the ch -ed). Wx was humid and unsettled. Rx: conventional HMF "Rangemaster"; wideband antenna facing southwards, 16' high."

Bruce Carty says "other viewers have reported Indonesian TV in Darwin (there was once a ch 84 at Semarang, Java, just under 1500 mi from Darwin; now, all Indonesian TV is listed on the highband -ed), Townsville, Qsld, received in the New Britain area (around 1000 miles -ed), English TV on a 405-line receiver in Australia; Wellington, NZ in Sydney (at 1400 miles -ed) and Canberra (1450 -ed); ATV-0 Melbourne and TVQ-0 Brisbane received in NZ, TVQ-0, where I work, received also in Japan and Mexico (emphasis added! -ed). Would like to see a regular feature /on TVDX/ in the magazine..." Ian Kirk, Merriton, SA, also reported on TVDX, but his wasn't published.

**May 1971.** A new catch-all column, "DX Panorama" is introduced, to include TVDX. Editor is former Pennsylvanian Eric Zeppenfield, 17 Woodburn Ave., Panania, NSW 2213. Gerhard Rossam, Berkeley, NSW, reports that in Jan. 1970 many stations came in on ch 0, with AKTV2, Auckland NZ, IDed. May 1970, DNTV2 Dunedin, around 0630 GMT. This year on ch 0, Mt. Te Aroha and either Mt. Kaukau or Mt. Hedgehope relays. Rx: 1967 Philips, 30" antenna.

**July 1971.** Peter Herman, Mentone, Vic., reports an NZTV ID on ch. 2, "overseas" images on ch 4 and 6. Bruce Carty mentions that no colour TV may be transmitted legally in Australia--and that ABC supposedly had FM in the capital cities in the late 50s but they were closed due to lack of public interest. (Right: Sydney, 92.1 MHz, 2 kw; Melbourne, 90.4 MHz, 2 kw; Brisbane, 94.1 MHz, 1 kw; and Adelaide, 97.3 MHz, 3 kw -ed)

**September 1971.** John Schache, "way out in the NSW bushlands" reported to ABMN-0, MTN-9 and ABGN-7 (last two in Griffith -ed); the two ABCs varied by letter in 2 months.

**November 1971.** David Smith, Sydney, last year received DNTV Dunedin NZ on ch 0 (i.e. Hedgehope relay on ch NZ1, 50 kw -ed), "the only real QRM-free channel." Schache reports Melbourne stations ATV-0 and GTV-9 (xmters are on Mt Dandenong -ed).

**December 1971.** Eric J. Luxton, Gordonvale, Qsld, reports MVQ-6 (360 mi -ed) Mackay and TNQ-7 (170 mi -ed) Townsville. David Howat, Wodonga, Vic, reports to nearby stations and has a QSL from WNTV1 (Wellington NZ, 1540 mi, but 4 xmters are listed -ed) David Smith in Sydney has received DNTV ch 0 and 1 (about 1300 mi, xmters at Hedgehope and Highcliff -ed) "These are apparently making a yearly fade-in to this area."

**February 1972.** At the Jan. 15 NSW Branch meeting, a NZ ch 2 appeared with near perfect audio and video. No ID; late afternoon; at David Smith's abode. Zeppenfield received the same channel, days later, on a portable TV.

**April 1972.** Bruce Carty lists a number of QSLs. A. K. Richardson of WNTV says his report (2445 miles) was the most distant. "An accident with the antenna mast proved that the sigs were all troposphere bounces. While the mast was prostrate sigs from DZAQ-TV2 were received." Jim McKee, QTH not given, reports a number of Victorians, and ABNT-3, in Launceston, Tasmania; and a QSL from DNTV2, Dunedin, NZ, dating from December 1971.

With this review of TVDX Down Under, the "Australasian Scene" goes back into hibernation.





# VHF UTILITY DX

Pat Dyer  
5315 Silvertip Drive  
San Antonio, TX 78228  
Deadline: 12th of month

NOVEMBER 1972

Terry Colgan, P.O. Box 18268, Serna Station, San Antonio, TX 78218 using Realistic PRO-2; Midland 13-920; Petersen HL-44; A/S MON-8 ground plane at 40 feet and A/S MON-13. GMT used; see later for abbreviation & freq code.

7-9:	0006, KAA 981 b	Red Oak, IA-p	12:	0105, KIB 280 v	Mayfield, KY-sp
	0026, KJR 436 m	Wayne, NE-p		0113, KSA 460 r	Pendleton, IN-sp
	0116, KLP 877 m	Hastings, NE-cp		0205, KAI 961 m	Minden, NE-cp
	0134, KIP 426 f	Alamo, TN-cp		0226, KAB 272 k	Leavanhth, KS-p
	0220, KAA 939 h	Duluth, MN-p		2129, KDR 444 k	Ulyases, KS-cp
	0412, KLG 599 o	Savannah, GA-sp		2227, KGP 663 f	Woodbury, TN-cp
	1603, KBV 903 f	Gainsboro, TN-cp		2240, KCY 584 f	Dyersbg, TN-cp
	1657, KSB 567 j	Carlinville, IL-cp		2321, KKI 629 j	B Rouge, LA-sp
	1716, KGU 994 j	Jerseyville, IL-cp	13:	0154, KAJ 668 m	Ainswath, NE-cp
	2030, KBM 398 u	Lander, WY-sp	23:	0059, KIE 946 r	Sig Mtn, TN-sp
11:	2358, KAD 821 b	Cherokee, IA-cp		0158, KKA 982 o	Hattsbg, MS-sp
12:	0032, KQG 881 n	Madison, WV-cp	(*	1726, KKO 298 c	Bowie, TX-p)
	0101, KKC 228 v	Newport, AR-sp			

Rick Stein, 456 Barrymore Place, North Brunswick, NJ 08904 EDST used

5-17:			1757, KSG 430 j	Galesburg, IL-cp
1115,	-	g	1800, KSA 929 j	Sullivan, IL-cp
	-	g	KSI 827 j	Golconda, IL-cp
1120, KIH 759 g		Port St Jo, FL-cp	1803, KSB 849 j	Quincy, IL-cp
1123, KIK 959 g		Bristol, FL-cp	1806, KSB 216 j	Rushville, IL-cp
1125, KIF 502 g		Crestview, FL-cp	KSB 420 j	Murphysboro, IL-cp
5-18:			1810, KSB 219 j	Urbana, IL-cp
1657, KKS 238 de		Yellville, AR-cp	KSA 936 j	Carlyle, IL-cp
1705, KDY 432 de		Mc Gehee, AR-cp	1816, KRV 236 j	Bushnell, IL-p
	-	de	1824, KSA 925 ij	Lewiston, IL-cp
	-	de	1828, KSC 460 j	Springfield, IL-cp
1706, KIG 375 bd		Chattanooga, TN	1842, KSB 259 j	Morris, IL-p
1710, KSH 222 j		Effingham, IL-cp	1849, KSB 223 j	Eureka, IL-cp
1711, KSB 926 j		Shelbyville, IL-cp	KSA 938 j	Bloomington, IL-cp
1714, KSA 967 j		Lacon, IL-cp	1854, KSA 358 j	Yorkville, IL-cp
1718, KSB 221 j		Edwardsville, IL-cp	1857, KSB 256 j	Mt. Carroll, IL-cp
1719, KSC 428 j		Charleston, IL-cp	1901, KSC 728 j	Galena, IL-cp
1723, KDJ 430 j		Hardin, IL-cp	1902, KSB 203 j	Clinton, IL-cp
KSD 607 j		Carrolton, IL-cp	5-19:	
1725, KSB 206 j		Lincoln, IL-cp	1100, KSO 916 m'	Columbia, SC-so
KSB 330 j		Belvidere, IL-cp	5-24:	
1730, KSA 332 j		Jacksonville, IL-cp	2350, KGF 587 z	Philadelphia, PA-p
1733, KCI 494 j		Elizabethwn, IL-cp	5-28:	
1734, KSB 298 j		Mt. Vernon, IL-cp	1953, KIC 231 d	Greenville, SC
KSD 693 j		Fairfield, IL-cp	1956, KIC 467 b	Colby, GA
KJJ 376 j		Fairfield, IL-p	1959, -	g
1735, KSA 926 j		Decatur, IL-cp	2004, KIJ 624 b	Gastonia, NC-cp
1742, KSB 204 j		Kankakee, IL-cp	2015, -	b
1746, KSA 943 j		Danville, IL-cp	2034, KIC 375 bd	Cleveland Co, NC-cp
1747, KSS 973 j		Paxton, IL-cp	2059, KKG 344 c	Edna, TX-cp
KSB 567 j		Carlinville, IL-cp	2100, KKV 663 b	Alvarado, TX-p
1748, KSA 966 j		Lawrenceville, IL-p	2122, KKC 223 j	Crowley, LA-cp
KII 569 j		Madisonville, KY-cp	2125, KSD 335 j	Winchester, IL-cp
1749, KBO 244 j		Lake Charles, LA-cp	2130, KSA 911 j	Monmouth, IL-cp
KSA 939 j		Salem, IL-cp	2131, KSA 907 j	Portiac, IL-cp
KSA 924 j		Centralia, IL-p	6-3:	
KSA 979 j		Vandalia, IL-cp	2000, KAB 203 ab	Fort Dodge, IA-cp
1750, KBZ 305 j		Maysfield, KY-cp	KAA 521 ab	Spencer, IA-cp
KD 6974 j		Clinton, KY-p	2001, KIC 467 b	Colby, GA-cp
1752, KSB 496 j		Joliet, IL-cp	2004, KAC 955 ab	Logan, IA-cp
1753, KSA 930 j		Morrison, IL-cp		



WHF UTILITY DX

NOVEMBER 1972

2013, KAF 507 b	Rockwell, IA-cp	0048, KAA 970 t	Des Moines, IA-sp
6-7:		0055, KSA 774 t	Sterling, IL-sp
1201, KAL 561 b	Dyersville, IA-p	0109, KAA 203 pq	Kirkwood, MO-sp
FAF 228 b	Manchester, IA-p	0118, KAB 310	Norfolk, NE-sp
1204, KAM 681 b	Dubuque, IA-cp	7-2:	
1223, KAA 585 b	Marshalltown, IA-cp	2100, KAA 508 s	Sterling, CO-sp
1224, (mobile) b	Johnson Co., IA-cp	8-1:	
KAH 632 b	Corning, IA-cp	1043, KSA 961 j	Taylorville, IL-cp
1227, KAJ 320 b	Tipton, IA-cp	1050, KDL 889 j	Elton, LA-p
1302, KAF 474 b	Grinnell, IA-p	1110, -	x Brooksville, FL-sp
1305, KAD 472 b	Osceola, IA-cp	1111, FIB 474 w	Bradenton, FL-sp
KAD 821 b	Cherokee, IA-cp	FIB 491 w	Ocala, FL-sp
6-27:		1118, FIB 480 w	Lakeland, FL-sp
2350, KSS 283 v	Dumas, AR-sp	1140, KID 295 w	Ft Pierce, FL-sp
6-28:		1142, -	w Calhoun Co, FL-sp
0006, FIB 280 v	Mayfield, KY-sp	1219, KIB 477 w	Miami, FL-spm
0012, KAB 310	Lincoln, NE-sp	1220, FIB 471 w	Palatka, FL-sp
0014, KIG 948 v	Woodbury Co, TN-sp	1221, -	w Latham, FL-sp
0020, KSB 230 t	Joliet, IL-sp	KIB 487 w	Tampa, FL-sp
0025, FSG 897 t	Litchfield, IL-sp	1222, FIB 482 w	W Palm Bch, FL-sp
0027, KSB 235 t	Maryville, IL-sp	1224, FGT 619 w	Daytona Bc, FL-sp
KUA 774 t	Vienna, IL-sp	8-13:	
0034, KAA 971 t	Storm Lake, IA-sp	2312, -	b Pine bluff, AR-cp
0036, KAA 972 t	Atlantic, IA-sp	2323, -	c Marion, AR-cp
KAA 973 t	Belmont, IA-sp	(11-5-69:	
0037, KAA 609 t	Cedar Falls, IA-sp	1528, KFX 250 n	Grants, NE-p)
0041, KSB 233 t	Elgin, IL-sp	(multiple freq codes are and/or)	
0042, KSA 775 t	Macomb, IL-sp	(spm-motor vehicle department)	

Hank Holbrook, 7211 Chestnut Street, Chevy Chase, MD 20015 QSLed only, GMT

5-28: 1923, N84695 119.7 over Kent Island, MD (Fort Meade Flying Club; Cessna 172K; single-engine, 4-seat)

6-3: 2133, N8473M 122.3 MD (same; Cessna A150K; single-engine, 2-seat)

7-4: 1300, N770AC 128.05 mid Wilmington, NC-Richmond, VA (American Cyanamid Co.; Grumman Gulf Stream II; 2-eng, 22-seat; 25 w) Jamestown, TN (sheriff)

8-1: 1005, KIK 985 37.26 13 mi from Jamestown (first police mobile QSL)  
Car 165 37.26 Eastern Air. flt 152 (Orlando-NY; Boeing 727; 25w)

2: 1014, - 128.3 Eastern 181 (Hartford-Miami; 727; 25 w)

1019, - 128.3 Eastern 967 (Newark-San Juan; Douglas DC-8; 25 w)

1025, - 128.3 Newark, NJ (Allegheny Airlines Flight 971 to Evansville, IN; Douglas DC-9-31; 25 w)

3: 1352, N962W 132.5 16 min fm Phila.-Toledo (Allegheny 941; as above)

1410, N989 132.5 19 min fm Boston-Toronto (Allegheny 420; British Aircraft Corporation, BAC-11; 25 w)

1419, N130 132.5 39.4N-74.2W (Pan Am Clipper 209; 727 Trijet; 25 w)

5: 1028, N321PA 128.3 ov Salisbury, MD (Braniff, DC-8-62; 30 w)

1030, N1808 128.3 ov Severna Park, MD (Friendship Flying Associates, Inc.; American AAL; single-engine, 2-seat)

1821, N3736Z 119.7 ov Chesapeake Bay Bridge (Kenneth J. Lewis; Piper Tri-Facer; single-engine, 4-seat)

13: 1554, N2031A 119.7 10 mi se Friendship Airport (Baltimore) (Henson Aviation, Inc.; Beech Baron)

14: 2343, KDF 227 37.26 Spring City, TN (police)

15: 0032, KIQ 521 37.26 Collierville, TN (police, 500 w)

0036, N60NA 128.3 Miami-DC (National Air flt 54; Boeing 727; 40 w)

16: 0124, N4737 128.3 Phila.-Tampa (National 417; same)

18: 2239, N7809V 119.7 nr Pasadena Intersection (MD) (John W. Hartman; Mooney MK21C; 10 w)

19: 2058, N8359L 122.3 ov Waldorf, MD (Professional Flight Service, Inc.; Cessna 172; single-engine, 4-seat; 10 w)



Mhz code:

a 37.06	e 37.24	i 39.46	m' 39.96	q 42.38	u 42.82	z 453.15
b 37.10	f 37.26	j 39.50	n 39.98	r 42.42	v 44.62	453.25
c 37.18	g 37.30	k 39.58	o 42.02	s 42.46	w 45.06	453.35
d 37.20	h 39.22	m 39.90	p 42.22	t 42.5+	x 45.10	453.65

Now, my loggings. 30-50 MHz, Allied A-2586 with 30-ft indoor random-wire antenna; 50-MHz, Swan-250 with 3-element GushCraft horizontal Yagi at 10 ft. All are F2 unless noted; bs-backscatter; daily F2 peak noted if 40 MHz or more; unID F2 bs only given if above direct F2 noted; Col-Colombia; Ven-Venezuela; KIN 645 is 35 unless noted; 50-MHz Es not given; near-daily 35 unID F2 this period; new stations underlined; CST used.

<u>9-13:</u> 1600, 50.395	16: 2350, KFL 936 (Es)	29: 1728, KFL 936 (bs)
1603, WA5UUD (bs)	17: 0025, KFL 936 (Es)	<u>10-2:</u> 1550, 46.7-Spanish
1610, W58FW (bs)	1515, KIN 645 (Es)	<u>3:</u> 1435, 46.7-Spanish
1645, WB5AEH (bs)	1615, 45-Spanish	<u>4:</u> 1440, 46-Spanish
<u>14:</u> 1840, KIN 645 (Es)	<u>20:</u> 1535, 46-Spanish	<u>6:</u> 1525, 44-Spanish
<u>15:</u> 0920, KIN 645 (Es)	<u>21:</u> 1530, 46-Spanish	<u>7:</u> 0959, KOG 634
1334, KQD 609 (Es)	<u>23:</u> 1515, 43.58 (bs)	1010, KOA 796
1343, KFU 891 (Es)	<u>24:</u> 1404, 43.58 (bs)	1011, Portland
1406, KSD 326 (Es)	1515, 42-Spanish	<u>8:</u> 1618, KLR 503
1440, KSJ 815 (Es)	<u>25:</u> 1455, 46-Spanish	1623, KCD 244
1451, KSC 645 (Es)	<u>26:</u> 1247, KIN 645 (Es)	1630, <u>KCD 845</u>
1453, KIY 508 (Es)	1415, 47-Spanish	1640, <u>KCD 556</u>
1500, 42-Spanish	1600, <u>KGL 708</u>	1644, <u>KCD 498</u>
1502, KQD 607 (Es)	<u>27:</u> 1350, 46.7-Spanish	<u>9:</u> 1530, 43.7-Spanish
1605, KIF 651 (Es)	<u>28:</u> 1455, 42-Spanish	1600, <u>KGL 706</u>
1646, KQC 884 (Es)	<u>29:</u> 1008, KIN 645 (Es)	1700, KGL 710
1710, KIN 645 (43-Es)	1450, 43.7-Ven	<u>10:</u> 1430, 45-Spanish
1730, KSC 644 (Es)	1525, 45-Spanish	1518, KLR 503
1904, KIG 300 (Es)	1550, 44.3-Col	1531, KCD 379
<u>16:</u> 1530, 43.58 (bs)	1613, <u>KDX 459</u>	<u>11:</u> 1320, 46-Spanish
1615, 43-Spanish	1615, <u>KCH 794</u>	<u>12:</u> 1345, 43.7-Spanish

add: KLF 527, 9-13: 1530; 23: 1735; 24: 1325; 26: 1840; 28: 1820; 29: 1730  
10-1: 1650; 2: 1725; 3: 1820; 4: 1820; 5: 1810; 7: 1810  
8: 1720; 9: 1855; 10: 1610; 12: 1715

KCD 244 33.70 Falmouth, MA-f	KLF 527 35.22 Honolulu, HA
KCD 379 33.70 Lincoln, ME-f	KLR 503 33.02 Boston, MA-ho
KCD 498 33.70 Sandwich, MA-f	KOA 796 35.58 Portland, OR
KCD 556 33 + Orleans, MA-f	KOG 634 33.82 Kent, WA-f
KCD 845 33.70 Brewster, MA-f	KQC 884 35 + Highland Park, MI **
KCH 794 33.5 Wrentham, MA-f	KQD 607 35.50 Grand Rapids, MI **
KDX 459 33.54 Medway, MA-f	KQD 609 35.22 Lansing, MI **
KFU 891 35 + Columbus, OH **	KSC 644 43.58 Chicago, IL
KGL 706 30.86 New York, NY-t	KSC 645 35.58 Chicago, IL **
KGL 708 30.94 New York, NY-t	KSD 326 35.58 Indianapolis, IN **
KGL 710 31.02 New York, NY-t	KSJ 815 35.58 Fort Wayne, IN **
KIF 651 35.58 Ft Lauderdale, FL	WB5AEH 50.1 Metairie, LA-a
KIG 300 43.58 Atlanta, GA	W58FW 50.1 Amarillo, TX-a
KIN 645 35.22/43.22 Miami, FL **	WA5UUD 50.1 Marrero, LA-a
KIY 508 35.22 Orlando, FL	- 35.26 Portland, OR-mp

\*\* A2 tone ID used

a-amateur f-fire mp-mobile phone so-state office  
 cp-sheriff ho-hospital p-police (s-state) t-transit  
 (rest 35 and 43 are pagers)

At present, the fall F2 season appears to be likely a slim one. Transcon MUF's may reach the 37-MHz band, but the 39-MHz region seems remote. Of course, drastic solar events can change things.



# NORTHERN FM DX



Editor: Roger W. Winsor  
718 N. Fremont Road  
Valparaiso, Indiana  
46383

Joseph Fela 150 Robert Place So. Plainfield, N. J. 07080

Greetings. Not much to report this time as trop has generally been short in distance and very little has been added. Notations: July 22nd trop WDUQ 90.5 PA in most of the day, previously heard on aurora. Skip: 6:00pm WOCN 94.9 w/ID WOCN Miami/WOCN FM Miami Beach, 6:03 WMYQ 96.3 w/rook, o/u local WQXR 96.3, resurgence of this opening later in evening then brought WRAT 104.5 o/WRCP at 10:30, and WGYL 93.5 and WLWC 103.1 w/ID at 10:31 and 10:36 respectively. July 30 more Es 9:34 WMYQ thru WQXR again, 9:43 WSWN 93.5 w/ID. The next notation was August 20th: tropo 11:29AM WMJA 91.1 MA w/almost continuous PR, this one seems almost regular now, what's new power? (All I have listed is 10w RHW) Later 7pm WCNY 91.3 w/classical mx, 7:56 WSWN 92.1 NY w/ow mx, several mentions of Syracuse. Aug. 21 more tropo 12:27am CKFM 99.9 a/AN jazz, IDs as CKFM 99.9 and CJFM 95.9 Montreal. Some more trop in the evening w/7pm IDs caught from both WCNY 91.3 and WUOM 91.7 MI. WUOM was doing particularly good later around 10:30pm, 7:30 CJOM 88.7 ON w/PR, ID, ads thru semi local WVHC for awhile, 9:55 WAMT 89.1 w/WMET TV promo and news (WFDU off). Aug. 30 trop to many directions, but all short. Only addition was at 10:57pm w/WBSM 92.7 MD with a MoR format apparently. This one was a little rough when you consider the WLLR/WOBM QRM. Sept. 2 a rainy Saturday morning, but some fair to good tropo into CT. Around noon I added a few call changes, namely WIOF 104.1 CT ex WWCO, This one now calls itself W 104 and "Merv Griffin Radio".....yeeeh....still ow, and WKSS 95.7 ex WBML. Also probably had WSUB 105.5 through local WDMA, but I couldn't hold a sharp enough null. Other things: two new ANers WDWL 92.1 w/rook and local WRVR 106.7 now NSP. Also, WBCI 96.5 seems to be NSP. By the way, although WDWL 92.1 is AN w/RR, they seem to be heavily SS during the evenings. One last comment, WQMR 98.3 has apparently made some changes as they now get out respectably, however, WQMR at 5 miles still gets very heavy interference on the car radio from WLLI, at 70 miles, even under Qead CX. I wonder what WLLI is using? 73.

Bruce F. Elving

Box 24

Adolph MN 55701

Since my last report, some skip, tropo and one new one on the air. Verified underlined. Tropo July 9 and 10 brought KVRP 102.3 Vermillion SD, KVSC 88.5 St. Cloud (10 watts, with a CP for 40000 on 88.9). My major skip day was July 15: WRNS 95.1 Kinston, WVWE 97.7 Bridgeton (they mentioned in their QSL letter that they expect to increase power and be on 106.5 later in the year), both NC; WJJS 101.7 Lynchburg (unverified; but a friend of mine in Lynchburg has since visited WJJS and reports their all black staff totally confused by my report; and here I thought I wrote in plain English!), WFLS FM 93.3 Fredericksburg VA; WBRF FM 98.5 broadcasting from their mountaintop transmitting site flood disaster info (Wilkes Barre), WUHY 90.9, WIFJ 92.5, WWSH 106.1 all Philadelphia; also WTSP formerly heard as WIBC FM 94.1; WGCN FM 96.1 Red Lion, all PA; WRNJ 95.1 a mono station in Atlantic City; WOBM 92.7 Tom's River and WADP 95.9 Pt. Pleasant NJ; WNYC FM 93.9 and WQXR FM 96.3 both NYC. On July 23 it was KIVA FM 105.5 Sheldon IA w/sunday morning religion; during the early morning of July 26 excellent tropo with WYEN 106.7 Des Plaines IL; WKLO FM 99.7; WLSR 102.3 and WKRR 106.9 all Louisville KY. Final skip of the summer July 31 when WKBL FM 93.5 Covington TN w/the Wild Man Hall Show, who is their janitor who gets to do a early evening program. The new KEHP 101.1 Bemigji MN Aug. 4. On 8/13 it was KICW 90.5 Maryville MO and WYKE 92.1 Sun Prairie WI. Ducting into ND 8/17 produced KFYR FM 92.9 Bismark; KCJB FM 97.1 Minot and at 10 a.m. the s/on of monaural KDLR FM 96.7 Devils Lake. During a power outage at local WGGF 105.1, KCHA FM 104.9 Charles City IA received in \$. Aug. 20 new stations WATW FM 95.9 Mono Ashland WI and KQDE 92.1 \$ (Waseca Bruce?? RHW) received Aug. 22. The new WJNR 103.9 Iron Mountain MI on Sept. 2. On Sept. 18 it was WSPU 90.5 Platteville WI; WISU 89.7 Terre Haute IN; WLCC 88.9 Lincoln IL; about 12:30a.m. 9/19 WEIC FM 92.1 in Andy Bolin land Charleston IL, and at 0545 WQWQ 104.5 Muskegon MI. Total heard 1131, with 130 received so far in 1972, more than received in any single previous year, verified o/1000.



Robert Eddy

Box 123

Newport Ohio 45768

Much DX to report, so here goes. 8/3 Aurora 2355 WMBT 89.1 nx, wx, ID; 8/4 Au 2002 WJCT 89.9 ID surprised to hear this far south on Au. 8/5 tropo 2058 WMOU 89.5 nx, wx, ID; 2106 WSMC 90.7 nx, wx, ID, classical nx; 2120 WHUS 91.7 rock mx, ID new state CT; 2200 WBEV 103.7 ID, wx; 2268 WRTI 90.1 nx, ID black pgm; 2321 WAMC 90.3 s/off; 2369 WDFM 91.1 ID, rock mx; 8/6 0000 WGNV 91.3 s/off; 0001 WPAT 93.1 wx, PSA, MoR nx; 0004 WBPZ 92.1 wx; sigs were good at times but very unstable. 8/16 tropo 2000 KCLC 89.1 nx wx rock mx; 2101 KCFM 93.7 ID. On 9/6 I completed installation of a new tower and antenna system. It consists of two Channel Master Stereo Probe 9's stacked at 49 and 59 feet and coupled together by Winegard signal doubler. New lead in is 120' of 3/4" aluminum coax...given to me at no charge. Very noticeable improvement in system sensitivity. Previous system was one Stereo Probe 9 at 50', noisy mast preamp into 180' of Belden 8228 coax. 9/9 cool air moved into area; cloudless sky all day indicated good possibility of coming tropo. 1500 KMMI 90.7 starting to build strength, 1800 TV channel 11 Louisville with good signal, 1900 WBOU 107.5 appeared above the noise, something definitely up. 2200 returned to the dial to find best tropo I've ever experienced, and it lasted until past 1100 on 9/10. 2203 KPMF 93.9 nx wx, ad strong signal as were nearly all the others hrd; 2217 KINB 107.3 nx, wx, devotional thought, s/off at 2225 fantastic signal, it pinned meter, my most distant tropo at approx 800 mi.; 2234 KXOW 106.3 FB, ID gospel nx; 2239 WKBL 93.5 cw mx, ads; 2246 KBHS 96.7 cw, ads, id; 2301 KKMA 104.5 s/off; 2308 KITS 94.7 ads, cw mx; 2310 WSAB 94.9 nx, PSA, wx; 2326 KTKR 101.5 nx, wx, ID, RR; 2331 WPAD 96.9 ID; 2355 KARN 103.7 nx, PSA, wx; 9/10 0001 KSOZ 88.1 nx, ID, mx; 0010 WEDQ 99.5 ID, RR; 0028 KFTO 98.7 ID, PSA, RR; 0045 went to bed, very tired; 0630 KEFL 90.3 ID, nx; 0632 KAMS 95.1 nx, gospel mx; 0640 WVTM 100.7 ID; 0647 WDAF 102.1 ad, RR; 0701 WMMG 93.5 ad, church service; 0710 back to bed to 0915; 0928 WSMI 106.1 gospel pgm; 0954 WRAY 98.1 mx; 1000 WOKZ 100.3 ID, nx, gospel pgm; 1005 WSMI 88.7 nx, wx, ID; 1021 WCBK 102.3 ad, local nx, wx; 1028 KSBH 92.1 inst. mx, PSA, ID, wx; 1032 KGRV 107.7 RR, ID, PSA. A great opening, signal strength of most were as good or better than the best Es openings. 9/22 tropo 2115 WGEV 88.3 RR, promo, 10w. 9/28 tropo 2068 WLIL 93.5 promo, 2105 WKXI 94.7 promo, weak, faded rapidly, noother DX heard.

Russ Brown 3274 So. Lake Shore Drive St. Joseph MI 49085

Everything listed below is tropo. 9/15/14 KC/Topeka in by 1800, K08U 91.7 Stillwater OK (700) classical @2200, Wichita solid @2300, needed KBRA 97.9 (645) w/MoR @0015, KOYY 99.3 ElDorado KS w/RR @0020 s/off, KOPM 104.1 OKC w/MoR @0215 (740). 9/18 KIOS 91.5 Omaha w/school pgms @1000, KPMK 92.3 w/MoR ID @1057, K000 104.5 Omaha w/cw @1120, KNWR 93.7 Winner SD (680) w/White River nx thru much KCIM @1112, KSBH 101.7 Creston IA w/auto chicken rock ID @1115, KKNY 98.9 Kearney NE w/RR @1129 (650), KBOE 104.9 IA // AM w/MoR @1300, KYNA 93.3 Des Moines w/soul/RR @1215, KPMG 94.9 w/RR @1230 (finally got that one huh Russ? HNW), KANU/WIEW also in; later long sought KKNW 105.9 Wadena MN (535) auto MoR @2130, Fargo overwhelming after 2300, KYTN 94.7 Grand Forks (650) w/MoR to 0058 s/off. 9/19 after years of trying Sault Ste. Marie made it here, WSMN 92.7 w/MoR @2030, CJIC 100.5 auto MoR ID @2131, CKCY 104.3 RR @2200, only 315 mi., but tuff here! CKSO 92.7 Sudbury w/MoR spots @1830, WBIR 103.5 Knoxville w/HP @2300 (440), WKEK Pittsburgh/Bufallo pouring in, WBPZ 92.5 Rochester w/jazz/RR AN @0100, WMDI 102.3 PA nx, chicken rock @0045, WAEK 88.3 Syracuse (530) rock @0200, WEFM 89.9 Rochester RR @0255 (450), WARC 90.3 Meadville PA (350) w/RR YL @0330, and bunches of needed OH/PA class A's after 0400, later WBTV 107.7 NY w/nx/religion @2000, WCBN 89.5 Ann Arbor w/\$ soul @2050, WEMU 88.1 Ypsilanti w/classical @2130, 9/21 WVVY 92.9 Burlington VT (720) "Vermonts most beautiful nx is on \$93" @0005 only DX on band. 9/22 WIEW 97.3 Topeka cw @0800, KANU @0830, KFTO 98.7 Springfield MO (500) w/rock @0900, KWFC 97.3 gospel @1000, KNFM 93.9 West Plains MO @1015 w/MoR, later WCIR 103.7 Beckley WV w/MoR, BB scores @2000, WHIS 104.5 Bluefield @2100 w/MoR. 9/23 Topeka/KC weakly @2200. 9/27/28 WRTS 104.3 E. Liverpool OH w/cw @1900, WSTV 103.5 Steubenville top 40 @2130, WGNV 91.3 NY w/jazz @2230, WAMC 90.3 Albany rock @2235, s/off @2357 giving XR QTH in Adams Mass (690) WKUW 91.1 w/jazz @0030 to complete Cleveland (250), WIZZ 92.9 Wilkes Barre PA w/MoR spots, etc @0130 (560). 10/7 KLAZ 98.5 Little Rock w/RR @1800, KARN 103.7 solid gold @1830 (600). KROK 94.5 Sheveport @1945 (795), KNOE 101.9 Monroe @1900 w/RR (745), WBBQ 105.9 Memphis (520) w/solid gold @2100 then things dropped off fast, WJLN 104.7 Birmingham (605) prog. soul/rock mixed @2315, WBRC 106.9 w/rock requests @0110. 73.



Mark L. Lewis 224 Honiton St. Downsview 475 Ontario

This is my first real DX report as a FMDXer. I decided the heck with guessing the frequency of a station and bought a Heathkit AJ 15. Now I have no problem with 420kw CHFI or the other local high power stations which can be seen from my tower. Along with the AJ 15, I use a Delhi 6 element FM antenna at 42' on my tower, and RG 11U coax. Since purchasing the Heath, I have logged approx. 150 local and semi local stations. The first big test of the unit came during 9/20/21 DX conditions. Here is some of my log. 9/20 88.9 0108 EDT WSDN IN w/nx, are they still low? (No Mark, 3400w RWW), 97.3 0112 WMEF #97 ID/spot for Stuart Furniture, 107.7 0115 WDAO Dayton, 93.7 0839 WJFM Grand Rapids, 94.7 0845 WFEM Indianapolis w/spot for Hooks Drugs, 96.7 0848 WLBJ Bowling Green KY, 0835 90.1 WMBI Chicago w/relig. pgmg, 0859 88.1 WBGU Bowling Green OH NPR promo "3 cheers for me at 10 am", 0902 90.9 WGUC Cincinnati w/nx and at 0902 WSEF 92.1 Baldwinsville NY w/nx/promo for new cw format and 10th anniversary on the air. As you can see, nothing spectacular, but a start. I have logged nearly every station within 300 miles of home. I get regular stereo reception of CKSO 92.7 which is 195 miles as the crow flies and the terrain in that direction is rugged. I am yet to log the Montreal FM outlets, but as soon as we get some good tropo, watch out! 73's. (Welcome welcome Mark, glad to have your report and please do so again and often!! RWW)

Adela Ossowski 412 East 12th Street Erie PA 16503 EDT

This is my second report to your column from July 2nd to Sept. 28th, 1972. 7/2 1800 89.3 WCAL Northfield MN (685) by Es, class. mx and ID, new state; 7/27 1530 WDUQ 90.5 Pittsburgh (135) class. mx; 8/6 0900 90.3 WMYK Morehead KY (350) new state from very difficult direction...Concert Cameos; 8/16 0900 90.9 WAUS Berrien Springs MI (325) ID and news; 8/19 2332 106.9 WMRI Marion IN (310) ID and MoR, new state; 8/21 0800 107.1 WHLS FM Port Huron MI 134 miles ID and news; 8/31 0340 102.5 WGER Bay City MI (134) mx; 9/20 1015 88.9 WSDN Notre Dame IN (318) class mx and promo for future programs; 1032 90.1 WMBI Chicago (373) mx; 9/28 0105 88.9 WSDN again; 0230 94.1 WHBC FM Canton Ohio (113) MoR and ID; 0840 91.3 WCNV Syracuse NY ID, class mx (215); 0900 91.5 WSTB in Streetsboro OH, I think, had PSA for Cleveland MS Association (65) 332w, folk and TJB mx; 1155 101.5 WLQR Toledo (184) MoR and nx (Note call change Adela RWW). All stations are new except WMBI and WLQR. My total is now 97 stations and 10 states, plus DC and Ontario.

Fred Nordquist 302 Sandra Lane No. Syracuse NY 13212

Excellent tropo DX was noted during this reporting period 9/19/20. No Fs noted, but some Au on 9/13. Here's what was heard; new stations underlined. 9/7 WNYC 93.9 NYC talk 2315. 9/9 WFRG 96.9 NJ MoR 0859, WDLC 96.7 NY nx 0900. 9/11 WILS 101.7 Lansing MI w/nx @0001. 9/13 Au outbreak 1800 to 1835 w/unn CJOM 88.7 et al hrd. 9/16 WNBC 97.1 NYC Monitor 1108. 9/17 new WFBQ 101.7 Owego NY w/mono MoR 2053. 9/19 wicked tropo 600 miles plus to west and SW, unn WMBI 90.1 IL relig. 2250, WKFM 103.5 IL MoR 2308, WRSW 107.3 Warsaw IN w/BB 2325, WNUS 107.5 IL 2330, WMEB 95.9 IN rr 2342 (My severely overmodulated superpest. Hi hi RWW), WHDH 90.7 WI s/off #2345 (610) state #36, WZUU 95.7 WI rr 2355, WSPO 94.7 OH soul 2355. 9/20 WFKU 88.9 Richmond KY nx 0002 State #37, WIFF 105.5 Auburn IN w/BB 0010, WHMF 103.1 South Bend relig. pgm 0030, WAUS 90.9 MI relig. s/off 0100, WSDN 88.9 Notre Dame IN nx 0105, WFEM 94.7 Indianapolis MoR 0107, WDAO 107.7 OH soul 0013, WFMK 99.1 MoR "Stereo 99 Lansing" 0126, WFIU 103.7 IN s/off 0136, WSAI 94.1 OH rr 0142, WJIM 97.5 MI 1230, WGER 102.5 MI 2313, WKHM 106.1 MI rr 2336, WWCK 105.5 Flint MI rr 2339 (Note call change RWW), WVGR 104.1 Grand Rapids MI 2345 o/WWOL plus many unns within 400 miles. 9/25 WRJB 105.1 RI 0100 nx and s/off 0105. 9/28 unn WAER 88.3 now MEX, new WMCX 106.3 Oneida NY // AM, monaural @1800, NY #106. Vacant channels are slowly filling up with new locals. At least the AN situation is still good locally, 73 and good DX. (Perhaps the above 3 reporters might note the similarity in stations received. Surprised nobody reported WRBR 103.9 IN, which was on until 0300 EDT w/Progressive rock in \$, is now AN 6, off MM only. RWW)

Roger W. Winsor 718 N. Fremont Road Valparaiso, IN 46383

Only a few new ones as work seems to // tropo openings here. 9/25 WBCM 96.1 Bay City MI @0000 s/off, WSAM 98.1 Saginaw @0010 TC only 1700w, WWCK 105.5 Flint @0020 "WCK mx", WLYT 92.3 Cleveland Hts OH finally @0120 w/top 20 for Cleveland, WNWS 107.1 Saginaw @0200 ID mixing w/unlk RR stn. Total now 422 and creeping..... 73.



# WESTERN FM DX

Mike Dorner, Jr.  
1409 Hymelia Avenue  
Metairie, La. 70003

Mike Dyer

925 W. La Palma Ave. #8

Anaheim, Calif. 92801

No new Es heard since last report. Some of my locals have been caught off the air unexpectedly, with some new loggings resulting. All times PDT. 6/17 0800 KRUZ-103.3 Santa Barbara w/ nx, sports... 6/18 1245 KCAL-96.7 Redlands, heard wife playing with rotor and mulling local KWIZ. 6/18 0015 KBIM-107.9 Bakersfield w/C&W, heard any am when KAPX is off. Is this the correct call? Sounds like KBIM or KBIM or something closely related, but I've never got them good enough to be positive. (KZIN - ed.)... 6/22 Es up to ch. 5 but nothing on FM at 1530... 6/24 1045 KEMR 88.3 Loma Linda running // as usual to KLLU 89.7. KEMR is 10w at 40 mi... 7/3 0100 KERN 94.1 Bakersfield ID weak, but audible... 0125 KING 95.5 Fresno w/RR heard most MMs and so far my farthest tropo at 220 mi... 0201 KVID 93.7 Coachella has separate AM/FM call letters... 7/31 Es at 1815 messing ch 6 (CHAT/KGVO) which must have made FM, but I'll never know because I had to leave for school... 8/10 1915 KARL 95.9 Carlsbad w/RR (IDed as "Big Karl") w/KEZR off for some reason. As soon as I turned the rotor W looking for KEWE, KEZR popped on... And finally 8/13 1200 KCSB 91.5 Santa Barbara w/folk mx w/KUSC off. My old VJ says KCSB has only 170 w. Is this true? (BG yrbk 72 says 185 w, 2910 aat -ed.) ... Total logged is 92. Recently I've heard KFMJ 104.7 Oxnard in stereo and also stronger signals. I tried using my Cadco IPA-FM for DXing, but I gave up. Since I have more locals than you could shake a stick at, I end up with more images than I can bear, especially when I point the antenna at Mt. Wilson to the north. Forget it. That's it for this time.

Pat Dyer 5315 Silvertip Drive

San Antonio, Texas 78228

Some more DX has come my way. CST used, new underlined.

7/11: went out and got an Allied 426 FM set and arrived back to find the FM band open -- I had to use my Wards with its whip and 30-ft. indoor random wire and run my tape recorder while madly hooking up speakers and the TV antenna (6 el hi-low Yagi at 12 feet) to the 426. Of all times to open! 1510 apr 95.1 Es; 1513 94.5 ID sounded like WRBQ(?) (perhaps WRBS 95.1 Baltimore or WRVI 95.3 Winnebago IL -- ed.); 1540 MUF to 98.9; 1545 many 88-92 mhz on the Allied set, by 1550 mostly out... 1615 more 88-92 mhz to maybe 95.1 again; 1654 WHOK-FM 95.5 Lancaster OH (1130 mi); 1715 KSTP-FM 94.5 St Paul MN (1070 mi); 1828 WKPT-FM 98.5 Kingsport TN (1020 mi); 1831 WPVR 94.9 Roanoke VA (1180 mi); 1837 WIVK-FM 107.7 Knoxville TN (950 mi); several 107 area UN ID's; 1900 WDMN 89.7 Chattanooga TN (865 mi); vy spotty after 1915 and likely last near 88.1 at 1940.

7/12: 1150 possible Es to 94.5... 1520 nice ch 6 TV audio, tent WJBF Augusta; 1525 MUF up to 94.9; 1532 WRAS 88.5 Atlanta (875 mi); tent WABE 90.1, WREK 91.1, and WSB-FM 98.5 all Atlanta... vy spotty 88-91 mhz Es until 1615, when up to 94.5; 1628 WEKU 88.9 Richmond KY (990 mi); all out by 1640... 1925 briefly again at 90.1; 2015 to 94.3 and 88-92 spotty... 2340 Es near 96; 2342 KID-FM 96.1 Idaho Falls ID (1220 mi, new state); all out by 0000.

7/19: between 1300 and 1945 or so MUF into ch 4, 5 many times with ch 6 hit at least a half-dozen times, but only FM noted near 1800 at 88.3 mhz.

7/20: possible dropping Es at tune in 0750, 88.5 to 95.1; MUF's hit ch 4, 5 vy well several times later, with long periods of ch 6 skip from 1930 - 2000 but nothing but aircraft scatter from semi-locals; so much on the TV...

7/21: 2155-2155 MUF into ch 6 well to West with possible Es on 94.7

7/22: 1300 noted Es to ch. 6, and then found 93.9 to 95.5 skip, likely Miami area, out within 5 minutes, though, so no ID's on 'em... 1750, ch 6 Es by 1800 some 94.5 stuff vy vy intermittent (only 1 or 2 mins. at a time), so exasperating with no ID's... by 1850 hit 94.9 mhz all likely gone by 1900 when KELT 94.5 Harlingen TX (215 mi) noted on trop; suspect unID's might have been Dakotas, etc.

7/24: 2352 KELT-FM trop



7/25: 0920 KAMC 94.9 Arlington TX (245 mi) trop, possibly some Es to ch 6 at this time; 1937 KELT-FM agn.

7/26: 0930 TV MUF reaching ch 6 but nothing other than trop noted on FM (under 200 mile variety). 2313 trop, KXOL-FM 99.5 Ft Worth TX (240 mi); 2322 KELT-FM. I'm beginning to think whatever facility changes they made has put them into being almost a semi-local here.

7/28: 1440-1455 Es at 95.5, suspect Las Vegas NV area (Henderson).

7/29: 1230-1255 Es to 94.7, unID's; suspect Wisconsin State stuff in at least 3 spots (88-92); CCI vy hvy on local 4 and 5 TV then and later in evening; 1730-1800 again with ch 6 skip but couldn't find anything on the FM band that time.

8/1: 1135-1150 ch 6 Es but into the NE and Dakota area so nil found by me on FM. Evening MUF's hit ch 6 and finally for a very few minutes 95.1 in at 2050-2055, likely to the West; 2115 KAMC trop.

8/2: evening Es to Mexico-Central America to ch 5, but didn't find any TG's (Guatemalans) on FM. 2119-2123 superburst meteor with FM band jammed full and TV to at least ch 9; biggest burst since the Perseids last year.

It appears that this summer's Es season for FM is about over. Another huge magnetic storm is now underway again and will help those northern folk with aurora, etc.

Through the CCI column a few unID's have been sorted out.

June 4, 1157, XHIS 90.3 Tijuana BCN, Mexico (1120 mi)

May 18, 1137, WPTN-FM 94.3 Cookeville, TN (880 mi)

June 4, 1143, KALJ 95.1 Yuma AZ (975 mi)

June 9, 2122, KAGE-FM 95.3 Winona, MN (1040 mi)

June 1, 1958, KFSD-FM 94.1 San Diego (ex KOGO-FM)

I'm trying to run down a few more suspects with tentative reports. If anyone can help out with an address for WBIV 107.7 Wethersfield, NY, I'd be pleased. The Post Office couldn't find them (address unknown). The phone company doesn't have any record of an address than I used. (Write c/o Christian Bc Network, Box 490, Oneida NY 13421--ed.)

(Ed. note: Pat enclosed a series of comments that I'll print at a later time).

Why does DX always come piling thru right after I mail a report to a column? CST used, new underlined. (Pat's report for Aug-Sept 1972 -- ed.)

8/6: 0945 trop KXIO 103.3 Sinton TX (140 mi); first time with new call, Spanish programming; 0955 KJET-FM 107.7 Beaumont TX (275 mi); 1008 KELT 94.5 Harlingen TX (215 mi)... 1740 Es on 94.5 over KELT; 1845 more skip; 1857 KRFM 95.5 Phoenix, AZ (840 mi); KOOL-FM 94.5 Phoenix; 1902 KALJ 95.1 Yuma AZ (975 mi); 1920 MUF hits 98.5; 1940-1955 vy spotty, 88-90 only... 2010 TV ch 6 agn and within 5 mins. to 95.3; 2020 WBEI 95.3 Xenia OH (1060 mi); 2030 MUF to 107.5; WFOL 94.9 Fairfield OH (1020 mi); 2032 WJCA 98.5 Cincinnati OH (1020 mi); 2034 muf to 107.9 now; a good half-dozen unID's between local 106.3 and 107.9, hi-end out by 2055; by 2130 vy spotty 88 mhz and soon all gone with trop rising. Though my ID's were all re-logs (and not too numerous either) this is the best FM skip session I've seen since June 9 here, particularly the way the 107 stuff was in.

8/7: 0002 KXOL-FM 99.5 Ft Worth TX (240 mi); 0003 KNUS 98.7 Dallas TX (250 mi).

8/10: 1710 MUF rapidly up to ch 6; 1725 brief 88.5 mhz; 1730 likely CCI on 90.1, out until 1850; 88.3 mhz Es again; 1909 KALL-FM 94.1 Salt Lake City UT (1080 mi); 1924 tr KELT in with it; 1930 KBYU-FM 88.9 Provo UT (1030 mi); vy spotty to 1958, WMBI-FM 90.1 Chicago IL (1050 mi) which came as a shock; 2030 last of 88 mhz stuff for a while; 2100-05 spotty 88.9 agn; 2145 briefly 89.1; 2215-2225 KBYU agn with likely KALL also--a very late hour to note the FM still at it with Es here.

8/12: 0000-0100, giving the Perseids a try without much success; longest burst was 45 seconds with most of them under 5 (other than fractional second 'pings'). Tried again in late morning with similar results, only at 1124:55 KICT 95.1 Wichita KS (575 mi--new state) for the only ID of the day. Evening monitoring mostly uneventful.

8/13: 0000-0100 much the same as 8/12 though the TV seemed to be more active with CCI from them; longest burst about 15 seconds; 0940-1100 several 15 second; and a few 30 sec. bursts. 1131:50 45-second burst with KICT re-log. 1231 90 sec. burst with unID MN 95.1 or 95.3; a few 30 to 45 sec. bursts in the next hour.

8/15: 2235 possible Es to 88.9; if so, then likely KBYU-FM.

8/16: 2035 Es to 95.5 to West (MST or PDST) with likely 94.5 as well; 2055 last of it at 88.5 As I got a partial request line phone number, I've tried in vain so far to track down the 95.5 unID.

8/19: 1805 Est at 94.9; 1815 WUSF 89.7 Tampa FL (975 mi); by 1820 MUF to 107.9 mhz; 1835 WJCY-FM 94.9 Tampa and getting spotty; 1850 MUF 95.5; 1855 last of Es at 94.9.

8/21: 1510 Es from 88.5 to 107.9; 1519 WRNA 95.1 Charlotte NC (1110); 1529 WJMM-FM 94.3 Cookeville, TN (790 mi); WKPT-FM 98.5 Kingsport TN (1020 mi); 1530 WFDD 88.5 Winston-



Salem, NC (1140 mi); 1543 WEMM 107.9 Hixton WV (1100 mi--new state #36); 1548 WSIP-FM 98.9 Paintsville KY (1060 mi); 1600 WSRW-FM 106.9 Hillsboro OH (1060 mi); WMGE 107.1 Danville, KY (955 mi) theory puts MUF at 116 mhz; 1602 WOTT-FM 107.1 Corbin, KY (965 mi); 1630 WPLN 90.3 Nashville, TN (815 mi); 1645 likely last of this part of it; a lot of VOR-type signals had been in above 108 mhz during openings, many unID's FM, as usual. 1740 Es on 90.1 again with test tone; within 3 min MUF to 107.9; 1750 WQXI-FM 94.1 Smyrna GA (875 mi); 1758 WNGC 95.5 Athens GA (930 mi); 1759 WABE 90.1 Atlanta GA (875 mi); 1800 WELR-FM 95.3 Roanoke, AL (815 mi); 1810 WELL-FM 98.5 Freeport, IL (985 mi); 1830 KWMT-FM 94.5 Fort Dodge, IA (895 mi); 1840 v spotty now; had been somewhat since 1800; 1855 WMTM-FM 93.9 Moultrie, Ga (885 mi) fade out till 1920 briefly at 90.1 and 94.1; 1945 last gasp at 90.1. Without question, the biggest FM opening here since June 8 or 9. Many un ID's above top local 106.3; this doesn't look like late August at all.

8/22: 1025 KNOK-FM 107.5 Ft Worth TX (240) trop; 1550 sudden Es on 89.7 and 88.5; TV was only to ch. 4; 1600 90.1 and 95.5 mhz; 1603 107.3 peak MUF hit and then rapidly all out.

8/23: 0015 noted with mixed feelings that local KBUC-FM finally went to 107.5, leaving a big open space from 104.5 now but also screwing up the top band channels for skip. Well, the Es season on FM (and elsewhere) seems to be over now. It was the first one I was able to fully participate in. Hopefully, the expectation for the 1972 large return of the Draconid meteor storm will be good for some wild FM DX (last big display of it was in 1946; the 1959 return fizzled). The San Antonio market does not have a Spanish-speaking FM (though 3 on AM) nor what you could call a Top 40 type either. That doesn't bode well for 106.3 keeping quiet too long. (Ed.: KDRY(AM) Alamo Heights has applied for it.)

9/15: 1748 Es at 88.7 for several minutes; Guatemala at first suspected, but format and good audio (compared to last March) didn't fit, no announcements heard, so could be US; 1825-1930 several times MUF to ch 6 but no FM; 1935 94.7 Es for a few minutes.

9/17: 2140 KELT 94.5 Harlingen TX (215 mi) trop. (Ed.--please! no more KELT's!)

9/19: 2351 KELT; good trop but didn't seem to reach much beyond Houston area.

9/26: 1910, Es to ch 6 soon followed by 89.7, likely WUSF Tampa; several times in and out to about 1935; ch 6 last in apx 1955.

10/8: according to the September issue of Sky and Telescope, the best-guess peak for the Giacobinid Shower was 0930 today and to be on the order of an hour long, at that. So, hoping for a 1933 or 1946 style event, I wasted a few hours near 95.1. Summary: 0905 a very high number of bursts under one second (pings) so not useable for even deciphering format; 0925 some burst lasting apx 1 sec, still too short; 0930-1000, a very few 3 to 5 sec ones, and maybe a giant (but by this time it seemed to be) 15 sec one; 1120 a few 3-5 sec bursts; all the numerous shorter type noted earlier now gone; by 1200 I'd really given up on it, hardly worth speaking about compared to the wonderful effects the Geminids, Quadrantids, etc. have given me.

Glenn Hauser, Box 62,

Van Ormy TX 78073

This month was pretty much a loss for me (Sept. --ed.), as I was away from Van Ormy most of the time. Another trip to Mexico, visiting WTFDA--Gregg Calkin should lend to updated Mexican info for next month's VUD. Earlier a stay in Oklahoma allowed me to add 6 new stations to my Enid total, dormant for some time.

Astronaut 6 portable, parents' TV antenna, fix-aimed SSE, Enid OK

9/11	1000	89.1	Tr	<u>KMUW</u>	Wichita KS	power increase since last log here.
	2100	95.5		<u>KWEN</u>	Tulsa OK	new CL, ex- <u>KRMG</u> ; prnd "Queen"; sister stn to <u>KKNG</u> ("king") or shld I say spouse stn?
	2115	92.5		<u>KKNG</u>	Okla Cy OK	ex- <u>KXLS</u> , continually audible
9/16	0748	103.7		<u>KRYN</u>	Wichita KS	jingle
	0749	100.5		<u>KJAX</u>	Okla Cy OK	ex pgn w/Mex mx; restaurant ads, cover by OBOC
	0750	99.7		<u>KMBR</u>	Kansas Cy MO	"Cabaret" 077 Mercedes Benz ad, 0758 Shawnee Mission Fund, \$ 100 Newstime.
	0750	98.1		<u>KOCO</u>	Lawton OK N	C&W
	0750	95.1		<u>KICT</u>	Wichita KS N	C&W; ID w sister stn <u>KFRM</u> 550
	0752	93.3		<u>KTEN</u>	Ada, OK	<u>AROTC</u> PSA, ID "Sound of Music" format but not IGM McMaster
	0752	91.7		<u>KOSU</u>	Stillwater OK N	lite mx; semi-local; now on air since last End stay
	0753	107.7		<u>KSWT</u>	Topeka, KS N	lite mx; 0759 local nx; new on air.
	0754	102.9		<u>KDTX</u>	Dallas, TX N	Relg nx; "Texas Newscape"; never hrd, even as <u>KEIR</u> , before.
	0800	102.9		?		NBC nx mix <u>KDTX</u>
	0800	102.1		<u>KSKU</u> ?	Hutchinson KS	KS nx



9/18	0942	96.5	KXTR	Kansas Cy MO	Morning Symphony; Cloisters ad
	0943	94.9	KFMU	Kansas Cy MO	lite mx
	0944	91.5	KANU	Lawrence KS	cl mx, 1003 KC nx, 1004 KGNO AM-FM Dodge City tape congratulating KANU on 20th anniversary as of 15 Sept
	1000	104.5	KBEY	Kansas Cy MO N ID	"KBEY FM" and sometimes Quad"
	1001	98.9	KGLC	Leavensworth KS	CGI w/OKG
	1001	97.3	WIBW	Topeka KS	CBS nx good against local KGNC 96.9
	1005	99.7	KMBR	Kansas Cy MO	vy strong
	1006	100.5	KJAK-	Oklahoma Cy OK	jingle for KLPR (AM)
	1031	106.9	KWOE	Clinton OK	ID

Car radio, whip, from Eagle Pass TX, eastward on US 57, Oct 10: 1500 92.7 KINL Eagle Pass TX, (066-078 mi); ID jingle, "full spectrum nx"; 1553 96.5 XHTA Piedras Negras Coah, (078-084 mi; 086-094 mi; 094-128 mi); R. Felicidad jingle; 1555 R Felicidad ID; 1557 R ID jingle, end pgrm "Prisma Melodico" ID w/call and slogan, SS ad for 21 Shop in Eagle Pass, 9th anniv sale; f/out on road long before 97.3.... 1554 XHRE Piedras Negras Coah (084-088 mi); autoated, YL annr w occl TCs, R, "solo musica seleccionada"; these three never heard at Von Ormy; now known to be on the air.

Later, Gregg visited here on his way back to Canada; and on Columbus/Thanksgiving Day we set out for Del Rio, Eagle Pass and their associated Mexican counterparts. Until the next, 73.

(Ed. note: Glenn filed this earlier report covering 5 August - September).

August was a dull FM DX month here, with Es petering out, only a smidgin of tropo, and less than the usual Augustine quantity of MS. Totals are as follows: Stations 549, by Es 325, by tropo 243; by MS 34; duplicated 52. 88-92 mhz: 113. From 36 states and DC, 1 province, 8 countries; by Es, 30 states and DC; by tropo, 14 states; by MS 18 states; duplicated 16 states. Florida is the best Es state, w/40 stns logged; best tropo state is, of course, Texas, w/116. Ten stations have now been logged by 3 propagations. Best single mhz is 94, with 75 stations logged; worst is 102, with only 5, including a blander local on 102.7. The month's best Es opening interrupted by drive home from the WFFDA convention, at the LA-TX border on IH-10:

8/6	2016	90.9	Es	WILL-?	Urbana IL ?	cl mx annmnt; in and out
	2022	88.3		?	?	"Waste Not" pgrm w/Ed Walker from Nat'l Center for Resource Recovery; 2026 end, long RFE PSA.
	2027	92.1				EL; 2042 Kornblum's ad (clothing) at 50560; Levi; optical ad.
	2029	95.5		WDHF	Chicago IL	880 local wx
	2031	93.1		WXRT	Chicago IL	880 Gk mx; 2034 Slavic
						Many stns noted across dial; earlier, activity noted on 35 mhz and on 6m (K9AJF Chicago working Houston, SSB)
	2035	90.1		WMBI	Chicago IL	880 hymns o/KPFT
	2038	91.5		WHMD	Suring WI	1070 WSBS ID, WHMD ID
	2038	90.7		WHAD	Delafield WI	945 WSBS // 91.5
	2038	89.3		WHKY	Chilton WI	1010 WSBS // 90.7 and 91.5
	2039	88.7		WHA-	Madison WI	930 intro "Firebird"; WSBS //others
	2043	91.2		WHEM	nab Men WI	1050 WSBS //others
	2045	95.5		WIFC	Wausau WI	1050 wx, ID jingle
	2053	90.3		WHLA	Holman, WI	970 WSBS //others; opening gone by 2100

Reminder of log from Van Ormy:

8/8	1009	89.7	Ms	?	?	end "At your Service" w/Earl Nightingale; EDT TC
8/9		94.3		KOLU	Rolla, MO	ad "Herman Lumber Co"
8/10	0400	94.9		WAVO	Decatur GA	895 ment. Decatur and Atlanta
	0400	95.5	Tr	KSLT-	DiBoll TX	265 black nx, ID's
	0502	94.5	GW	KELT	Hurlington TX	220 "Hit Parade" "\$ 25" (!)
	0600	94.7	Ms	KEBC ?	Oklahoma Cy ?	"now in progress, 133 South Penn" ant
	0645	94.1		?	?	E; "DeLow's Restaurant, W--- & Elm St ant NE
	2206	88.9	Es	KEYU-	Provo UT	1055 jazz NW
	2218	90.1		KUER	Salt Lake Cy	1050 promo for KUER Campus Reg Line TC
	2236	94.1		KFSB ?	San Diego CAL	cl mx WNI; So Cal 'CON on TV
8/11	0906	95.1	Ms	KWCA-	Worthington MN	1005 ant NNE "...and northeast Iowa"



8/11	0959	Ms	<u>KORB</u>	Council Bluffs, IA	845	Ac, wx, ID, CDT
8/12	0457		<u>KICT</u>	Wichita KS	585	"all around KS for some of our sponsors"
8/13	0439		94.1	WIAL? Eau Claire WI?		".. 0790 is our number for Open Line"
	0606		107.3	?		"For just about anything you want to talk about" w/reverb; ant ME
						"..river is 13.3, down 0.7 of a ft"
						ant ENE
8/15	2213	Es	88.9	KBYU Provot UT	1055	f/in old rock; soon gone; 2232 f/in jazz; 2241 hito; 2246 in and out; SLC on TV.
8/18	1312	Ms	90.1	<u>WEPR</u> Greenville, SC	1020	TF o/KPFT; hrd many other times and days; later indentified.
8/19	1845		89.7	WUSF? Tampa FL?		on car radio @ Lackland; jazz; 1901 at V.C., same
	1907		90.5	Habana Cuba	1125	Cuban mx; 1920 out; 1926 back brief
8/21	1530		90.1	<u>WEPR</u> Greenville SC	1020	TF o/KPFT; c. 1545 annct of CP tests; #BP-62; owned by SCETV; 200 ? kw.
	1550		90.1	WABE? Atlanta GA?		mix KPFT and WEPR; documentary re Cubans in Miami; incl WCIX-6 SS ID sample.
8/29	1129	Es	89.7	WDYN Chattanooga, TN	875	hymn, stn asking for contributions.

Jim Pizzi                      300 Park,                      Orcutt, California 93454

7/9: 0842 KHCW 95.7 Denver; 0852 WJAG 106.7 Norfolk NE; 0857 KINW 96.5 Sioux Falls SD; 0900 IVE 96.5 Glendive, MT; 0901 KOJB 97.1 Minot ND; 0933 un-ID 98.1 mentioned town of Oxford; 1155 KPMD 100.1 Plentywood, MT; 1159 KURL 97.1 Billings, MT; 1202 KVSR 97.9 Rapid City, SD; 1026 KKLS 93.9 Rapid City SD; 7/10: t/in 1720 very strong Es: 1739 KAWY 94.5 Casper WY; 1744 KSOP 104.3 Salt Lake City, UT; 1800 KURL 97.1 MT Billings; 1809 KXLY 99.9 Spokane, WA; 1829 KAAR 104.1 Yakima WA; 1830 KEZE 105.7 Spokane, WA; 1831 KHQ Spokane WA; 1836 KOFA 107.9 Spokane WA; 1844 KMWX 107.3 Yakima WA; 1848 KWIQ 100.3 Moses Lake, WA; 1859 KIVE 96.5 Glendive, MT; 1901 KBBX 98.9 Seattle WA; 1904 CBU 97.3 Vancouver BC? End of CBC nx, hum and buzz in audio, "CBU Radio 690"; CBU-FM is 105.7, but 105.7 not heard; harmonic? repeater? (BC 1972 ybk lists CBUF-FM 97.7, 50 kw, as a second FM affiliate of CBU Radio--ed.); 1905 un-ID 97.7 French CBUFT? All times PDT.

It's been pretty active here since the 1st of June. A couple of fantastic openings on the 9th (MUF to 106.7) and 10th (to 107.9). Caught several Rapid City FMs giving flash flood warnings which proved right (6/9). 6/10 brought excellent FM opening to north. At 1904 heard ID of CBU Vancouver on 97.3, see above....Total now 178.

7/31: Es. 1850 KIXI 95.7 Seattle WA; 1851 KURL 97.1 Billings MT; 1905 KGVW 96.7 Belgrade MT mentioning Bozeman; 1922 KAAR 104.1 Yakima EA in SS; at 1930 MUF was 105.7.

8/10: Es. 1850 KNOK (?) 107.5 Ft Worth TX (soul mx, mentioning Ft Worth); 1859 KDXT 102.9 QTH Dallas? (Yes--ed.); 1900 KIKL 104.5 Dallas (\$ MOR); 1900 KVIL 103.7 Dallas; 1902 KNIT Abilene TX; 1903 un-ID 105.3 \$ MOR, KXXK(?) (Now KOAX "coax"--ed.); 1904 KNUS 98.7 Dallas (\$ rr); 1905 KGWM (?) Ft Worth TX \$ rr oldies; 1906 KWNN 98.3 Stephenville (mono rr) (call is KWMM--ed.); 1920 WFAA 97.9 Dallas end of ABC Nrx. FM Es out 1925. FM total is now 186 heard. All times PDT; new stations underlined.

(This seems to be your first report, Jim; in the future enter program details and what other pertinent information you feel obliged to; this column will not print simple lists of stations in the future. Thanks. --ed.)

Denise Smith                      450 Poplar Avenue                      Wasco California 93280

Since my last report, I've heard only a little more DX. Times PST. 8/12: some Es, but, like 4 July, it was the only one hrd and IDed. 1405-1432 KOAP 91.5 Portland OR (725 mi) weak to good, fading in and out; NPR prgms and cl mx...The only other DX was around 16--17 July, with a little upsurge of trop, such as KALW 91.7 San Francisco CA, fair (230 mi), and KANG 89.9 Angwin CA fair to good (270 mi). They were stronger this time than when I logged them a few weeks ago. Late Jul to late Aug. was train trip, WTDA convention, and summer music session in Chilco. Not much Es MUF into FM was period in Wasco, only 12 Jul, a narrow Es path affecting only portions of Portland OR (only a bit of KATU 2 but not KOIN-6 which I haven't seen yet); heard 1405-1430 KOAP 91.5 Portland OR (State univ, nx, cl mx, NPR prgm) 725 mi, fair. The only thing in

(continued on page 24)



# SOUTHERN FM DX

NOVEMBER 1972

Editor:  
Dr. Richard E. Wood  
820 Arlington Avenue  
Baton Rouge LA 70806



(504) 343-7771 any time

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FEATURING FM DX FROM LOUISIANA TO MARYLAND  
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## Russ Brown, reporting from Morelia, Michoacán, Mexico

The following DX is a result of 3 weeks in Morelia. Very little was heard despite the fact I had my Fisher 500-TX and had use of a ch. 2 yagi, although the yagi didn't work too well so most DX was on a dipole cut to 98 MHz. My location was about 100 ft. above the city but only N was a direction where I was not rimmed by mountains. Also used was a voltage regulator as the current most days runs up to 180v and without warning drops down to 80v for no apparent reason; 8/21, only locals XHMO 93.9 Morelia, XELG 98.3 León, Gto., and XHNY 93.5 Irapuato, Gto. audible under dead cx, XHMO 93.9 is seldom on the air due to endless equipment problems, ID's only in a spot for the two local theaters which they also own. XELG 98.3 has Fórmula Melódica which consists of love songs w/ poetry thrown in for good measure; this stn never gives call letter ID's but spots infrequently refer to León. XHNY 93.5 is soft MoR although was RR when I first arrived, they even give frequent ID's.

8/26 Es up to 96.1 at 1100, no ID's, none were US stns; 8/27 more Es at same time; only a Latin MoR in at 96.1; no break from 1045-1130, directions S-SE on these; 8/28 MS KNFM 92.3 Midland TX 1059 ID (840) (nice, REW).

8/29 finally cx improved a bit, XHQI 92.3 León, Gto. w/ MoR, frequent ID's. 9/2 XEUN 96.1 México D.F., classical // AM good signal, only 133 but only D.F. stn that made it to Morelia and it can hardly be considered a powerhouse, perhaps the only stn there that is situated right to make it over the mountains (yes, the Universidad is located outside town, and higher, REW); XHRO 95.5 Guadalajara, Jal. at 1130, Stereo Rey format of MoR & spots but no ID whatsoever (150). Seemed kind of strange to have almost every frequency open, how nice it would have been to have skip there like the kind on June 2nd. (I got this feeling in many locations on my Alaska/Yukon trip, Russ, REW). Even in Morelia w/ one local the band still filled up with junk, when XHMO was on they managed to cause mixing products w/ every AM stn in town all over FM; this was discouraging at first but then they broke down for a couple of weeks and that solved the problem very nicely. (Ha! ha! REW) 73. (Thanks for a rate report to this column from a regular Mich. resident who went to the other Mich.: Michoacán. All reports from Latin America will be welcome in future, REW). (This report was rewritten in Michigan after loss of the original in the Mexican mails, REW)

Richard E. Wood, 820 Arlington Ave., Baton Rouge LA 70806. CLT.

Very few reports received this time, presumably owing to poor cx since last deadline. But as this copy goes in, cx have taken a sharp turn for the better, with rare October Es noted at 10 p.m. Oct. 17, and massive tropo to the Mexican border. Oct. 17 was a lively day in general, with tropo moving rather rapidly. Thanks to Russ Brown for warning of the comet; I sat up till 2 a.m. Oct. 8; many brief bursts were noted, but nothing ID'ed, in the period 0028-0111.

Sept. 18

0030-0045 98.5 Tr WGNE- Panama City FL (345) interesting frequency check, open carrier, many ID's; back to RS

Sept. 20

0850-0905 98.5 Tr KLAZ Little Rock AR (303) RR, Hits; semi-local WIXO off Oct. 16

2329-0000 107.5 Tr KBUC- San Antonio TX (460) C&W \$, new freq.

Oct. 17

0002-0005 96.9 Tr KVMV McAllen TX (560) s/off, tx 4<sup>1</sup>/<sub>2</sub> mi. So. of Pharr TX, America the Beautiful



**Richard E. Wood (Cont.)**

Oct. 17 (Cont.)

0008-0030 101.3 Tr KMIO Sinton TX (460) nice SS \$, jingle ID's, (new calls) some US accented, is 24 h. SS; ID ment's Sinton only, not C.C.  
 1930-2000 103.9 Tr KMLA Ashdown AR (288) RR contemp, only PSA's & (new station) promo's, 1955 Ark. R.Net. nx  
 2115-2135 99.3 Tr KRIL El Dorado AR(210) ABC-FM nx, loc. nx, IGM t/c's  
 2155-2202 91.5 Es ? ? ant. NNW; Firing Line NPR; stu- dent ID 2200 but too choppy.Help!  
 2200, 2210 91.1 Es KWBI Morrison CO (unn.) religious  
 2330-2344 106.3 Tr KTON- Belton TX (430) C&W, "Home of Ctry. mx"  
 Oct. 18  
 0820-0840 93.1 Tr KZAK- Tyler TX (360) Bulletin Board, C&W

Enjoyed a visit w/ Ron LeBlanc last weekend and expect him here this. My quad deteriorated badly in local humidity & pollution; scraping & tight- ening has improved it again, but more work is needed. The lower Archer continued to do well, w/ fewer local overload problems. Am installing trap for locals, a Winegard, report next time. Let's have more support!

WESTERN FM DX continued

late summer was another new local (ho-hum): 28 Aug KICO 99.7 Forterville CA: "K-100", MOR \$, 14 kw each H & V, 40 mi). Then I returned to Chico. This brings Wasco FM total to 184. Best of DX.

(Ed. note: This is my first column for Western FM DX; thank you for the privilege of allowing me to write up your reports. Until headquarters makes some final decision as to whether or not list-reports will be allowed or not, I will continue printing them. However, I will not, in the future, reprint reports which are nothing more than lists of stations, frequencies, and times heard. Two correspondents seem to prefer this. Nevertheless, a good part of the FM membership feels such reports well high useless.)

Copies of the Station log for Louisiana-Arkansas-Mississippi-Alabama, listing stations, powers, hours of operation, formats and identifying slogans, which were handed out at the WTFDA Convention in August are available in a very limited supply. If you want one, please send 24¢ in postage to me at the address on the masthead. I have but a dozen.

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# WESTERN TV DX

Dennis Park Smith  
1200 W. Sacramento Ave., #15  
Chico, California 95926  
Telephone 916 343-3863  
Deadlines: 12th of each month

November 1972

Conditions were down further this time, with perhaps fatigue from the summer (and school or jobs) bringing on less-than-constant monitoring for the moments in September when openings did occur. (Also, Glenn took a trip and Les has been working on unlds.) Tropo seemed spotty in western regions (east of the Rockies). There was some narrow ducting in Manitoba on 10-11 Sept (perhaps the slight tropo in south Texas on 11-12 Sept was caused by the same weather patterns?). An excellent VHF-UHF tropo session was observed in Minnesota 18 Sept (possibly again accounting for some fair tropo in Kansas and Texas on 19-21). Again, fair tropo seen in south Texas 5-6 Oct. When Es was noted, it was sometimes very good, though the better observations were limited to the South.

Es dates: September 1 3 8 9 11 14 15 16 26  
Number of reporters: 2 1 1 2 1 1 1 2 1  
MUF at least (ch/freq): 2 3 2 4 3 2 94.7 3 89.7

John Ebeling, 9209 Vincent Avenue South, Bloomington, Minnesota 55431 (18 Sept) (CDT)

Although I spend my time DXing FM, a very good tropo opening was observed here in the "UHF desert" area of the Midwest on Sept 18, which should be reported in the interest of the hobby. VHF TV & FM signals were very good in the 300-mile range, and the following UHF signals were logged. (UHF, outside of our local 30-kW (ERP) KTCI-17 St. Paul educational part-time station, is rare here.)

18 Tr 2100 WICD 15 Champaign IL (18)(Tr) WMBD-31 Peoria IL  
to WMTV 15 Madison WI WFID-32 Chicago IL  
2230 WAND-17 Rockford IL KDUB-40 Dubuque IA  
unld 44 (sync bars only)  
Note: All generally very weak;  
fair audio, subject to fading.

Equipment used: Blonder-Tongue "Golden Dart" antenna with rotor, apx 25' above ground; 1966 RCA 21" color set (CTC-20 chassis with 2 IF's).

Many years ago (1949-52) while living in Duluth, MN, I had to rely on TV reception from Minneapolis/St. Paul. Distance was about 150 miles, with no local Duluth stations. Needless to say, much DX was noted each summer. My records of that TV DX have long since been lost. Duluth also had an early UHF station, WFTV 38, that operated from 1952 to 1955.

It might be interesting to note that, during periods of severe CCI on channel 6, an FM tuner may prove helpful in at least obtaining an audio id of a station. To illustrate, my Heathkit AJ-15 tuner has a low capture ratio of about 1.5 db, and when signals are good, this has allowed me to receive clear audio from KAUS-6 Austin, MN and, by a very slight adjustment of the dial, the audio of WOW-6 Omaha, NE. I do not have an offset chart, but one station must be offset from the other. (Yes; KAUS-6 is - while WOW-6 is +, for 20-kHz difference. dps) Hence, a good tuner with a low capture ratio does an excellent job of separating the audio while a TV receiver is a mess of garbled audio. Those DXers with technical ability could modify the FM tuner to cover the entire low band. Of course, this would decrease the sensitivity of the tuner, but by using a highly sensitive tuner to start with, the loss would be minimal.

(Thanks, John, for account of this good tropo opening and worthwhile hints. dps)

Joe Markewicz, 1394 Elgin Avenue West, Winnipeg, Manitoba R3E 1B6 (September) (CDT)

The last month has been rather disappointing on TV and FM, but some great stuff has been heard on AM to make up for it.

8 Es 2100 unId 2	13 Tr 2000	KKMC-13 Minot ND	M1.
9 Es 2200 unId 2		KMOT 10 Minot ND	265
10 Tr 1000 "CBWFT" 10 Fisher Branch Man 100		(both good all evening)	
(44/8.8kW; excellent all morning while the other channels were dead)	2130	KFYR- 5 Bismarck ND	325
		(good over CKX)	
11 Tr 0900 "CBWCT" 5 Fort Frances Ont 200	14 Es 2100	unId 2	
(all alone; no sign of CKX, KFJR)		(PBS: Six Wives of King Henry)	
1100 "CBWAT" 8 Kenora Ont	120 16 Es 2130	unIds 2 & 3	
(under semilocal WDAZ; 93/1.86kW)			

As can be seen from the above, no decent DX to speak of. 73.



Les Prus, 1615 Pierre Street, Manhattan, Kansas 66502 (19 Jul - 30 Sept) (CDT)  
 19 Es 1805 WUND- 2 Columbia NC (Local news) 16 Tr 0850 KWWL- 7 Waterloo IA (NBC Today)  
 1820 WPMY- 2 Greensboro NC 0900 KRNT- 8 Des Moines IA  
 1826 WLW-D 2 Dayton OH (record ad) 0930 WGEN-10 Quincy IL  
 1930 WSJK- 2 Sneedville TN (record ad) 0945 KMGs- 6 Sedalia MO  
 (Summer Semester) (Sesame Street, Id) wfmv-tv S18 Tr 0730 KOMU- 8 Columbia MO (NBC Today)  
 21 Tr 0655 KRNT- 8 Des Moines IA 2350 KMGs- 6 Sedalia MO (CBS Movie)  
 31 Es 1510 WMAR- 2 Balt. MD (Flintstns, Id) 19 Tr 0612 KRNT- 8 Des Moines IA  
 (I ded wedge TP)  
 A1 Es 1220 KUTV 2 SaltLakeCity UT (record ad) 21 Tr 0815 KOMU- 8 Columbia MO (NBC Today)  
 14 MS 0521 KMOX- 4 St.Louis MO (Id: 04) (KHA- 7 Hannibal MO)  
 (CBS Captain Kangaroo)  
 DX as far as tropo is concerned was very scarce for the last few months.  
 KHQA-7 MO at 300 mi was the farthest so far. Hope things get better. Good DX.

Glenn Hauser, Box 62, Von Ormy, Texas 78073 (6 Sept - 8 Oct) (CST)  
 September was spent away from DXing for the most part...in Oklahoma City without my former TVDX equipment any more; and in Mexico City. However, DXers now have one more Texas UHF target. KEDT-16 Corpus Christi was first noted 3 October at 0813, running an ID slide and tone. Periodic announcements, such as at 0830, revealed that this is an equipment test and the programming is due to start Oct. 15. It's a PBS station, and had its channel switched to 16 when it got a good deal on the old KVVV-16 equipment. A little coastal tropo built up 5 Oct. at 2135-2305, with KPFC-7, WGNO-26 and WAFB-9 (all LA) logged. 6 Oct. at 0540, KLNI-15 LA had a full-screen ID keyed over CB. Am hoping for a repeat of last fall's remarkable wide-area tropo blanket ducting later in October. Until the next, 73 de Glenn.

Pat Dyer, 5315 Silvertip Drive, San Antonio, Texas 78228 (9 Sept - 10 Oct) (CST)  
 Receiver: 1971 model Penncrest 9-inch black-and-white  
 Antenna: 6-el. hi-low VHF Yagi at 12 feet; 8-bay bow-tie UHF  
 9 Es 1250-1430 2-4 unIds 19 Tr 2305 KJAC- 4 Port Arthur TX 280  
 1423 WKYC- 3 Cleveland OH 1255 (first re-log since 1963)  
 1530 unId 4 Mexico ? 20 Tr 2305 KJAC- 4 Port Arthur TX 280  
 11 Es 1950 unIds 2-3 2328 KGBT- 4 Harlingen TX 215  
 Tr 2332 KDFW 4 Dallas TX 250 2331 KPDM- 6 Beaumont TX 275  
 2335 WEAP- 5 Fort Worth TX 240 26 Es 1020 unId 2 (likely El Salvador)  
 12 Tr 2337 WEAP- 5 Fort Worth TX 1236 YSR - 2 SanSal, El Salvador 1200  
 15 Es 1359 WLW-D 2 Dayton OH 1080 1240 WTHS- 2 Miami FL 1150  
 1735 WPBT 2 Miami FL 1150 unIds 2,3,4  
 1757 KDKA- 2 Pittsburgh PA 1280 (WESH-2, WSAV-3, WEDU 3 likely)  
 1859 WSAZ- 3 Huntington WV 1100 1900 WESH- 2 Daytona Beach FL 1055  
 1930 WCBD- 2 Charleston SC 1115 1929 WEDU 3 Tampa FL 975  
 1959 WSB - 2 Atlanta GA 875 unIds 2-6 (MUF to 89.7)  
 unIds 2-4, 6 (MUF to 94.7 MHz) 28 Tr 2337 KGBT- 4 Harlingen TX 215  
 16 Es 2320 unId 2 05 Tr 2335 KGBT- 4 Harlingen TX 215  
 17 Tr 2230 KVRL 26 Houston TX 185 2338 KPDM- 6 Beaumont TX 275

A good Es showing on the TV for September this time.

The Draconid (or Giacobinid) meteor shower was supposed to peak Oct 8 around 0930; I did see a large number of very short-duration (less than one second) CCI bursts on Ch 6 for a while, but nothing useable for ID's, etc.

I soon hope to be getting a little bit better antenna system set up as the 1955-vintage Yagi may be approaching disintegration. 73, WA5IYX.

Best of DX to all

Dennis

Mail moves the country - ZIP CODE moves the mail!



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# CENTRAL TV DX

Roger H. Brown  
1617 Linden  
East Lansing, Mi  
48823

November 1972

Next deadline: November 15!

For TV-DXers in Wi, Il, In, Mi and Oh. \*\*\*\*\* Please support your club!

We had it coming! Gary Olson called it "Sweet September." How sweet it was! After a much too long dry spell...the Central reporting area had an abundance of tropo. In the past couple of years (since I've been actively involved in DXing) one or two great tropo sessions "made" a month. In September...the good tropo conditions hardly stopped long enough to let us catch our breath and get some sleep!

The session of 9-9 and 10 was reported last month...a couple of these reports reflect that once again. Other good days included 9-18, 19, 20, 22, 23, 26 and 27. October 10 also yielded a bit more here...one reporter noted good catches on 10-7 and 8.

Here goes. New underlined>. You'll note some obvious patterns.

John Robertson, 6065 Gardner Line, Crosswell, Mi 48422 EST

8-30 Tr 2200 WKEF-22 Dayton, Oh (235)	9-21 Tr 0100 WGTU-29 Traverse City (200)
9-31 Tr 0830 WANE-15 Ft. Wayne, In (185)	0150 WTAE-4 Pittsburg (225)
0900 WFYI-20 Indianapolis (300)	0202 WTRF-7 Wheeling (250)
9-12 Tr 0030 WKAR-23 E. Lansing, Mi (100)	9-28 Tr 0627 WBRE-28 Scranton, Pa (375)
9-14 Tr 0053 CBLT-5 Toronto, On (150)	1300 WENY-36 Elmira, NY (300)
(note channel change)	
9-20 Tr 0859 WKMJ-68 Louisville, Ky (375)	
1700 WTRF-7 Wheeling, WVa (OH) (250)	
2159 WMJB-14 Oxford, Oh (275)	
2300 WLEX-18 Lexington, Ky (375)	
2327 MJAN-17 Canton, Oh (175)	
2358 WJTR-20 Utica, NY (375)	

I wish more days were like 9-20! There was CCI on nearly every VHF channel. Detroit's channels 2, 4 and 7 were almost impossible to watch. (DXing from your QTH sounds like fun John...no locals! RB)

John Comstock, RR#1, Box 130, Waldron, In 46182 CDT

(John DXes from near Indianapolis...he's a member of the WTTV-4 studio crew. He doesn't include distances in his report but some of these a dandies! RB).

8-30 TR 2200 WBRE-28 Scranton, Pa (580)	9-19 Tr 2300 KDUB-40 Dubuque, Ia
9-9 Tr 2300 KMTC-27 Springfield, Mo	2315 WSWO-26 Springfield, Oh
2330 KFIZ-34 Fond du Lac, Wi	WMTV-15 Madison, Wi
2358 WKPT-19 Kingsport, TN	2330 WUAB-43 Cleveland, Oh
9-10 Tr 0030 WKOW-27 Madison, Wi	2340 WTVO-17 Rockford, Il
0100 WLJK-11 Green Bay, Wi	2345 NJET-24 Erie, Pa
0200 WEAU-13 Eau Claire, Wi (500)	2350 WUSI-16 Olney, Il
0210 WQAD-8 Moline, Il	9-20 Tr 0037 WGTG-30 Toledo, Oh (that late
0215 WSIX-8 Nashville, Tn	??? RB)
0220 MWJ-8 Cleveland, Oh	0040 WMBD-31 Peoria, Il
0222 WXYZ-7 Detroit, Mi	0045 WANE-21 Ft. Wayne, In
0225 WTVO-17 Rockford, Il	0700 WKPI-21 Pikeville, Ky
0230 WSPD-13 Toledo, Oh	0705 WOSU-34 Columbus, Oh
WHTN-13 Huntington, WVa	0730 WTVK-26 Knoxville, Tn
0240 WLOS-13 Ashville, NC	2000 WHIZ-18 Zanesville, Oh
9-15 Tr 2200 WDXR-29 Paducah, Ky	2030 WAKR-23 Akron, Oh
2230 KBMA-41 Kansas City, Mo	2100 WMUL-33 Huntington, WVa
9-16 Tr 0900 WUAB-43 Cleveland, Oh	2200 WYTV-33 Youngstown, Oh
WKBF-61 Cleveland, Oh	2230 WKBF-61 Cleveland, Oh
9-19 Tr 2100 WCAE-50 St. John, In	9-21 Tr 0700 WSPD-13 Toledo, Oh
2130 WSNs-44 Chicago, IL	WTOl-11 Toledo, Oh
2200 WKJG-33 Ft. Wayne, In	0710 WVIZ-25 Cleveland, Oh
2210 WKPT-19 Kingsport, Tn	0745 WUNE-17 Linville, NC
2212 WFMJ-21 Youngstown, Oh	9-22 Tr 0700 WKMA-35 Madisonville, Ky
2215 WHA-21 Madison, Wi	10-7 Tr 2330 WAAY-31 Huntsville, Al
2220 WICS-20 Springfield, Il	2345 WMSL-48 Huntsville-Decatur
2230 WAKR-23 Akron, Oh	10-8 Tr 0120 WHTN-13 Huntington, WVa
WDHO-24 Toledo, OH	0124 WAPI-13 Birmingham, Al



Comstock, cont.

Equipment includes: RCA CTC-12, 1963 model receiver, BTX-11a converter, Wineguard CW 2200 with AC223B preamp at 30 feet, Wineguard U-630 with AC423B preamp at 42 feet and a CM 7 foot dish at 36 feet. Totals not included. (I imagine many of the above are new for John, but he doesn't include that info. Good to hear from this new reporter! RB)

Morrie Goldman, 5815 N. Christiana, Chicago, IL 60659 CDT

- 6-18 Au hash NE to ch 6 in Evening  
 7-23 Tr 2105 W68AA Danville, IL  
 2108 W75AK Jacksonville, IL 3035N  
 (of KHQA-7)
- 8-12 MS 0533 tent. WCVB-5 Boston  
 Es 1838 CHSJ(1)-6 Bon Accord, NB 4434N  
 1855 CHSJ-4 St. John, NB 4434R  
 1900 CBF-2 Montreal, Que 5044N  
 CKCW-2 Moncton, NB 4033N  
 (over WBBM-2)
- 8-13 Tr 0530 WKBW-7 Buffalo, NY 3440R (CBE)  
 0556 WLWT-5 Cincinnati 4545R  
 WICU-12 Erie, Pa 4444R  
 MS 0603 WTTG-5 Washington, DC
- 8-17 Tr 0030 WMT-2 Cedar Rapids, Ia  
 (WBBM off for tower painting)  
 MS 0506 WMAR-2 Baltimore, Md (BETP)
- 8-29 Tr 0930 WAKR-23, WDHO-24, WUAB-43  
 WKBF-61 Cleveland, Oh 3335N
- 9-5 Tr 1715 WKAR-23 E. Lansing, Mi 3335N
- 9-10 Tr 0700 KODE-12 Joplin, Mo 4544R  
 KUHI-16 Joplin, Mo 3445R  
 0730 WKYT-27 Lexington, Ky 2345R  
 0800 KMTC-27 Springfield, Mo  
 KCBJ-17 Columbia, Mo 4445N  
 1215 WSWO-26 Springfield, Oh over  
 WCIU-26!  
 1830 KDNL-30, WGTE-30 plus Detroit Us  
 1920 WCMU-14, WUCM-19 Michigan  
 2008 WUAB-43, WKBF-61, WVIZ-25  
 Cleveland area plus tent  
 WFIE-14 and WMUB-14 at 2215
- 9-12 Tr all morning WGTE-30 Toledo 3235R
- 9-14 Tr 2230 WPNE-38 Green Bay
- 9-15 Tr 0605 WHO-13 Des Moines  
 WIBW-13 Topeka, Kn  
 0848 KTSB-27 Topeka and tent. KMTC-27  
 and KUHI-16  
 0852 WTIU-30 Bloomington, WUSI-16  
 Olney
- 9-19 Tr 0910 KCBJ-17 Columbia, Mo  
 1700 WFYI-20 Indianapolis, In  
 1900 WKEF-22, WOET-16 Dayton  
 1920 WKPC-15 Louisville, Ky 3445N  
 1945 WBLG-62 Lexington, Ky 4445N  
 2000 WKZT-23 Elizabethtown, Ky 4443N  
 2025 WKSQ-29 Somerset, Ky plus KDNL-30  
 2030 WSVN-47 Norton, Va  
 2100 WGTU-29 Traverse City, Mi  
 2125 WKHA-35 Madisonville, Ky  
 WKPI-22 Pikeville, Ky  
 2159 WUAB-43 Cleveland  
 2325 WKBF-61, WAKR-23, WDHO-24  
 WJET-24, WSEE-35 Erie, Pa  
 2332 WKPT-19 Kingsport, Tn
- 9-20 Tr 0145 WLWT-5 Cincinnati  
 0205 WJW-8 Cleveland, Oh Navy s/off  
 0510 WKBW-7 Buffalo, NY  
 0519 WSPD-13 Toledo, Oh  
 0530 CHCH-11 Hamilton, On 2333R  
 CKCO-13 Kitchener, On  
 0536 WICU-12 Erie w/IDed 3/4 CB  
 proclaiming WICU-TV-ONE  
 (like...we're #1? Guess so. RB)  
 0555 WLEX-18, WHIZ-18, WKPC-15  
 0603 WKJG-33, WYTV-33 Y'town, Oh  
 0645 WKMR-38 Morehead, Ky  
 WKLE-46 Lexington, Ky  
 WKSQ-29 Somerset, Ky
- 0700 WKPI-22 Pikeville  
 0708 WCET-48, WKEF-22  
 0710 WVIZ-25 Cleveland, mod wedge  
 0715 WPTA-21, WLIO-35  
 0720 WKMJ-68 Louisville, Ky  
 0722 WLEX-18 Lexington, Ky  
 0730 WKZT-23 Elizabethtown, Ky  
 0747 WGTE-30, WLKY-32 Louisville  
 0800 WKON-52 Owenton, Ky  
 0840 WKMA-35 Madisonville, Ky  
 0900 WMUB-14 Oxford, WCMU-14  
 UHF to Cleveland, Detroit, WKEF-22  
 in nearly all day long  
 2200 WSEE-35 Erie, Pa 4444R  
 WQLN-54 Erie, Pa 3335R
- 9-22 Tr 1930 KMEG-14 Sioux City, Ia 3335N  
 in all evening w/ WCMU-14, WFIE-14,  
 WMUB-14  
 1955 KDNL-30, WGTE-30, tent. KVDF-21  
 2330 KDIN-11 Des Moines, WHO-13,  
 WTOL-11, WJET-24, WKEF-22,  
 WUSI-16, WOET-16  
 2359 WSWO-26 Springfield, Oh
- 9-23 Tr 0139 WKBT-8 LaCrosse, Wi  
 0515 WKBW-7 Buffalo, NY w/ctp  
 0535 CHCH-11 Hamilton, Ont.  
 9-27 Tr 0437 KCRG-9 Cedar Rapids, Ia 4444N  
 0517 KETV-7 Omaha, Ne w/ ABC tp  
 0557 CHCH-11 Hamilton, On  
 0639 WDHO-24 Toledo, Oh  
 2255 WBRE-28 Wilkes-Barre, Pa 4434N  
 and many tentatives  
 2335 WAKR-23 Akron, Oh
- 9-28 IS 2223 Many bursts on 16. Positive ID  
 on KUHI-16. Hvy T-storms just  
 leaving area.
- 10-8 MS 0430 WTTG-5 Washington, DC on 5 or 6  
 bursts to 0442

Night school M-T-W has sharply cut into  
 Dxing. Missed much on 9-26 and 27. LS  
 on 9-28 very interesting.



Gary Olson, 1230 Kenton Rd., Deerfield, IL. 60015 CDT

- 9-13 Tr 1700 WKAR-23 E. Lansing, Mi (190)  
 9-14 visited Roger and Bonnie Brown in E. Lansing. DX cx dead but had a great evening.  
 (same here Gary...at least the beer was cold! RB)
- 9-18 Tr 2000 WPNE-38 Green Bay, Wi (165)  
 9-19 Tr 1930 WKPC-15 Louisville, Ky (300)  
 1940 WKBF-61 Cleveland, Oh (340)  
 2000 WKMR-38 Morehead, Ky (380) plus many other KET stations and units  
 2030 NSVN-47 Norton, Va (460)  
 2052 WGTU-29 Traverse City, Mi (240)  
 2100 WKHA-25 Hazard, Ky (415) audio ID over KET slide.  
 2130 WQLN-54 Erie, Pa (410)  
 2155 WVIZ-25 Cleveland, Oh (340)  
 2202 WKPI-22 Pikeville, Ky (450) sign off
- 2204 WXIX-19 Cincinnati, Oh (280)  
 WKPT-19 Kingsport, Tn (500)  
 2256 KDNL-30 St. Louis, Mo (300)  
 2340 WWUP-10 St Marie (340)
- 9-20 Tr 0415 WIIC-11 Pittsburg (425)  
 0440 WHIO-7 Dayton, Oh (270)  
 WLMT-5 Cincinnati (280) after years of trying!  
 0455 WGR-2 Buffalo, NY (455)  
 0500 CKCO-13 Kitchener, On (420)  
 WLWC-4 Columbus, Oh  
 WKBW-7 Buffalo, NY (455) TP  
 WHEC-10 Rochester, NY (530) ID
- 0525 WOAY-4 Oak Hill, WVa (470) TP  
 0530 CHCH-11 Hamilton, On (440) CB, ID  
 0535 WICU-12 Erie, Pa (410)  
 0540 WLEX-18, WHIZ-18, WKRC-12  
 0600 WJHL-11 Johnson City, Tn (500)  
 0648 WKBN-27 Youngstown, Oh (390)  
 0700 WYTV-33 Youngstown (390)  
 0705 WKEF-22 Dayton, Oh (270)  
 0725 WKMR-38 Morehead, Ky (390)  
 0728 WKPC-15 Louisville, Ky (300)  
 0735 WSEE-35 Erie, Pa (410)  
 left for work with more in
- 9-22 Tr 1930 WXOW-19 LaCrosse, Wi (200)  
 2000 WHO-13 Des Moines, Ia (280)
- 9-22 Tr 2030 KDIN-11 Des Moines, Ia (280) through local  
 9-23 Tr 0505 WKBW-7 Buffalo, NY (455)  
 0545 WIIC-11 Pittsburg, Pa (425)  
 0625 WTRF-7 Wheeling, WVa (410)  
 9-26 Tr 1930 KBWA-41 Kansas City, Mo (400)  
 1950 KMEG-14 Sioux City, Ia (440)  
 2000 KTSB-27 Topeka, Kn (460)  
 2200 KXNE-19 Norfolk, Ne (470) audio only
- 9-27 Tr 1830 WJET-24 Erie, Pa (410)  
 1845 WQLN-54 Erie, Pa snowfree!  
 1900 WJAN-17 Canton, Oh (350)  
 1934 WDAU-22 Scranton, Pa (615), through WSBT-22  
 1938 WUTV-29 Buffalo, NY (455)  
 2002 WPMJ-21 Youngstown, Oh (390) on CBS break  
 2100 WICZ-40 Binghamton (615) through KDOB-40  
 WSKG-46 Binghamton (615) w/ sign off!  
 2126 WBJA-34 Binghamton (615) w/ ID. Also tent. WENY-36  
 2210 WNEP-16 Scranton, Pa (625)  
 2230 WBRE-28 Scranton, Pa (625) w/ ID. Signals fading fast  
 Best opening on UHF ever seen here!
- 9-28 Tr 0425 WKYC-3 Cleveland, Oh (340)  
 WLMT-5 Cincinnati (280)  
 MS 0455 WCCO-4 Minneapolis (310)  
 0500 WNL-4 New Orleans (860)  
 0515 WKBW-7 Buffalo (455)

Log Now at 343

A "historic" September for midwestern DXers. Am overjoyed to report my log filled with new stations. The addition of a CMA-U may have helped on the 26th and 27th...but even without the amp, the latter was a great opening. (...agreed Gary. Especially in the Chicago area. You guys have been missing out on a number of things that just fell short...this time you had everything going for you! RB)

Don Ruland, 4448 68th Place, Kenosha, WI 53140 CDT

- 9-11 GW 1630-WPNE-38 Green Bay, Wi (140)  
 9-15 Tr tent. KCNO-5 and KMBC-9 (430) at 0530. 0610 tent WDAF-4 K City  
 0615 KRNT-8, WHO-13 Des Moines (310)  
 0618 WIBW-13 Topeka, Kn (470)  
 0624 WGEM-10 Quincy, Il (270)  
 0658 KTSB-27 Topeka, Kn (470)
- 9-16 Tr 0555 WHAS-11 Louisville, Ky (330)  
 0624 WKPC-15 Louisville, Ky (330)  
 0630 WLEX-18, WKYT-27 Lexington  
 0632 WXIX-19 Cincinnati (300)  
 0658 WLKY-32 Louisville, Ky (330)  
 0700 WFYI-20 Indianapolis (230)  
 0730 WBLG-62 Lexington, Ky (360)  
 1945 WUAB-143 Lorain, WKBF-61 Cleveland
- 9-17 Tr 0745 WUAB-43, WKBF-61 Cleveland plus Vs and Us to 200 miles across Lake Michigan, very intense.  
 9-18 Tr 2030 KTCI-17 St. Paul, Mn (310) plus 2100 tent. KVFD and 2130 tent KMEG-14 (430)  
 9-19 Tr 0517 WHAS-11, WKPC-15 Louisville  
 0700 WKZT-23 Elizabethtown (370)  
 WKSO-29 Somerset (420)  
 0732 WVIZ-25 Cleveland (330)  
 0740 WPMJ-21 Youngstown (380)  
 1730 WUAB-43, WKBF-61 (330)  
 1800 WTIU-30 Bloomington (250)  
 WILL-12 Urbana (170) over local WISN-12



Ruland, cont.

- 9-19 Tr 1930 WKON-52 Owenton, Ky (330)  
 2100 WSVN-47 Norton, Va (480)  
 2203 WUTR-20 Utica, NY (640) longest  
 UHF tropo!  
 2210 WFMJ-21, WKBN-27 Youngstown  
 2225 WSEE-35 Erie, Pa (400)  
 2253 NJAN-17 Canton, Oh (360)  
 2300 WENY-36 Elmira, NY (570)
- 9-20 Tr 0430 WBIR-10 Knoxville, Tn (510)  
 0432 WIIC-11 Pittsburg, Pa (430)  
 0458 WFBG-10 Altoona, Pa (510)  
 0458 WGR-2 Buffalo, NY (460)  
 0500 CKCO-13 Kitchener, On (380)  
 0508 WKBW-7 Buffalo, NY (460)  
 0513 WHTN-13 Huntington, Wva (420)  
 0517 WJHL-11 Johnson City, Tn (520)  
 WCHS-8 Charleston, Wva (430)  
 0524 WOAY-4 Oak Hill, Wva (470)  
 0529 WHIZ-18 Zanesville, Wva (360)  
 0533 WLEX-18 Lexington, Ky (360)  
 0538 WICU-12 Erie, Pa (400)  
 0545 WFMJ-21, WKBN-27 (380)  
 0546 WTPA-15 Parkersburg, Wva (400)  
 0600 WKYT-27 Lexington (360)  
 WTVK-26 Knoxville, Tn  
 0635 WOSU-34 Columbus (320)  
 0659 WKHA-35 Hazard, Ky (440)  
 0700 WKPI-22 Pikeville, KY (470)  
 WKSO-29 Somerset, Ky (420)  
 0725 WVIZ-25 Cleveland, Oh (330)  
 0726 WGSF-21 Newark, Oh (340)  
 (only 4,000 W ERP!!)  
 0727 WCET-48 Cincinnati (300)  
 0734 WKPC-15 Louisville, Ky (330)  
 0735 WSEE-35 Erie, Pa (400)  
 1730 WKBW-7, WUAB-43 Cleveland  
 WMUL-33 Huntington, Wva (420)
- 9-21 MS 0538 WCVI-4 Charleston, SC (810)  
 Tr 0602 WHO-13 Des Moines (310)  
 0603 WIBW-13 Topeka, Kn (470)  
 0615 KRNT-8 Des Moines (310)  
 0658 KTSB-27 Topeka (470)
- 9-22 Tr 0600 WLEX-18, WKPC-15 Kentucky  
 0650 WFIE-14 Evansville (320)  
 0659 WKMA-35 Madisonville (360)  
 0700 WEHT-25 Evansville (320)  
 1830 WIPB-49 Muncie (210)  
 WRFT-27 Roanoke, Va (560)  
 1848 WXIX-19 Cincinnati (300)  
 1900 WMUB-14 Oxford, Oh (270)  
 2032 KVFD-21 Ft. Dodge (320)  
 2100 WUSI-16 Olney, Il (270)
- 9-23 Tr 0503 WKBW-7 Buffalo, NY (460)  
 0600 WHIZ-18 Zanesville (360)  
 0619 WTRF-7 Wheeling, Wva (420)  
 0640 WFMJ-21 Youngstown (380)  
 0650 WAKR-23 Akron, Oh (340)  
 0700 WKBN-27 Youngstown  
 0730 WDAU-22 Scranton, Pa (630)  
 WVIZ-25 Cleveland (330)  
 0900 WSEE-35 Erie (400)  
 WUAB-43 Cleveland (310)
- 9-26 Tr 1830 KDIN-11 Des Moines (310)  
 2100 KBMA-41 Kansas City (430)
- 9-27 Tr 0517 KETV-7 Omaha, Ne (430)  
 0530 CKCO-13 Kitchener (380)  
 0602 WHO-13 Des Moines (310)  
 0655 WVIZ-25 Cleveland (330)  
 1625 WVIZ-25, WKBW-61, WUAB-43  
 1630 WKBN-27, WFMJ-21, WYTV-33  
 1632 WJAN-17 Canton, Oh (360)  
 1658 WQLN-54 Erie, Pa (400)  
 and WSEE-35  
 1830 WUTV-29 Buffalo, NY (460)  
 2130 WDAU-22 Scranton, Pa (630)  
 2200 WBRE-22 Wilkes Barre, Pa (620)
- 9-28 Tr 0547 WFMJ-21 Youngstown (380)  
 0653 WVIZ-25 Cleveland (330)  
 0655 WKBN-27 Youngstown (380)  
 2100 W78AJ Sheboygan, Wi (80)
- 10-7 Tr 0830 KMTC-27 Springfield, Mo (470)  
 1030 KCBJ-17 Columbia, Mo (340)
- 10-9 MS 0535 WCVI-4; 0552 WNL-4 New Orleans;  
 0616 WLBT-Jackson, Ms

The final half of Sept. turned out quite well for tropo. The month of September itself was certainly the best I've seen since DXing in Kenosha. Late info here prior to Giacobinids meteor shower created a little undue excitement. According to the meteor shower table, the shower was to peak during the daytime hours on October 9. The WLS-7 weatherman and an Adler planetarium official indicated early morning hours of 10-8 could produce as high as "several hundred to several thousand" meteors per hour. As was the case in October of 1959, it was a total flop. Well, there's always 1985...! Log here now at 261 with 36 new here this time. (...great month for you Don! RB)

Dave Janowiak, 3661 S. 46th, Greenfield, Wi 53220 CDT

- 9-18 Tr PM excellent UHF to 600 miles.  
 Many new New York Us seen here.  
 Also E, S, SE UHF good.
- 9-19 Tr AM excellent LB and HB tropo  
 one to four stations on each channel  
 at 0430! Catches include WDEF-12,  
 WNNY-7, CKSO-5, WJHL-11, WTVK-26
- 9-22 Tr PM good again. WRFT-27 Roanoke  
 plus tent. WHRO-15, WBRA-15 Va.
- 9-27 Tr good U to East. UHF to NY and  
 Pa...out to 600 miles.  
Total now stands at 402!
- Have been unbelievably busy, working 6 days a week, possible 10 hours per day. (...many congratulations on plus 400 total Dave! RB)



Bill Draeb, Ellis St. RR#2, Keweenaw, Wi 54816 DCT

9-11 Tr 1230 WOET-16, WKEF-22 Dayton  
WSWO-26 Springfield, Oh  
WLKY-32 Louisville, Ky  
1714 KDNL-30 St. Louis, Mo  
1833 WUSI-16 Olney, Il

9-13 Tr 1933 KDNL-30, WLKY-32, WKEF-22  
WKYT-27 Lexington, Ky  
WOET-16 Dayton, Oh

1938 WUAB-43, WKBF-61 Cleveland

9-14 Tr 1230 WKBF-61, WOET-16, WKEF-22  
WSWO-26, WLKY-32  
2113 KTSB-27 Topeka, Kn  
2124 KDNL-30 St. Louis, Mo

9-15 Tr 0602 KMBC-9 Kansas City, Mo  
0605 WIBW-13 Topeka, Kn  
0650 WCPO-9, WKRC-12 Cincinnati  
1938 KDNL-30; 2137 WLKY-32

9-16 Tr 0550 WISH-8 Indianapolis  
WKRC-12 Cincinnati, Oh  
0558 WCPO-9 Cincinnati, Oh  
WNAS-11 Louisville, Ky

0613 WHIO-7 Dayton, Oh  
WBNS-10 Columbus, Oh  
WLWI-13 Indianapolis, In  
WKYT-27 Lexington, Ky

0653 WLEX-18 Lexington, Ky  
0725 WXIX-19 Cincinnati, Oh  
1725 WUAB-43, WKBF-61 Cleveland  
2004 KDNL-30 St. Louis, Mo

9-17 Tr 0904 WKBN-27 Youngstown, Oh  
WJET-24 Erie, Pa  
WUAB-43, WAKR23, WKYT-27  
1712 KDNL-30, WKEF-22, WLKY-32,  
WDRB-41 Louisville, Ky; WKBF-61

9-18 Tr 1230 KMEG-14 Sioux City, Ia  
KVPD-21 Fort Dodge, Ia  
KXNE-19 Norfolk, Ne  
1245 KHNE-29 Hastings, Ne (617)  
1713 KCB-J-17 Columbia, Mo  
KDNL-30 St. Louis, Mo  
1833 KTSB-27 Topeka, Kn  
1945 KTCI-17 St. Paul, Mn  
2123 KBMA-41 Kansas City, Kn  
WLKY-32, WDRB-41, WKEF-22, WAND-17  
WIGS-20, WOET-16 WUAB-43, WKBF-61

9-19 Tr 1704 KDNL-30, WJET-24 Erie, NSEE-35,  
WUAB-43, WKBF-61, WOET-16, WKEF-22  
WSWO-26.  
1718 WQLN-54 Erie, WUTV-29 Buffalo  
1730 WKBN-27, WAKR-23, WJAN-17 Canton  
1825 WPMJ-21, WOSU-34 Columbus  
WDRB-41, WLKY-32 Louisville  
WKPC-15 Louisville, WKZT-23  
Elizabethtown, (tent.)  
WKYT-27, WTU-30, WFIE-14  
1854 WYTV-33 Youngstown, Oh  
1900 WKSO-29 Somerset, Ky, WBLG-62  
tent. WKHA-35 Hazard, WCET-48  
WIPB-49, WKON-52 Owenton  
WSNV-47 Norton (snowfree at 2127)  
WKMR-38 Morehead (under WPNE-38)

9-27 Tr 1710 WCVN-54 Covington, Ky  
1929 WKLE-46 Lexington, Ky  
1948 WBGU-70 Bowling Green, Oh (292)  
2006 WUSI-16, WUOB-14

9-19 Tr 2100 NKMU-21 Murray, Ky, WKMA-35,  
WVIZ-25 Cleveland  
2152 WKGB-53 Bowling Green, Ky  
WXIX-19 (snowfree)  
WKPT-19 Kingsport (snowfree)

2200 WVVU-24 Morgantown, Wva  
2207 WEHT-25 Evansville, In  
2212 WHIZ-18 Zanesville (snowfree)

9-20 Tr 0530 WBIR-10 Knoxville, Tn  
WJHL-11 Johnson City, Tn  
WBNS-10, WCHS-8, WLEX-18, WHIZ-18  
WKBN-27, WKYT-27  
0539 WKRC-12, WICU-12  
0541 WSTV-9 Stuebenville, Oh  
0550 WYAP-15 Parkersburg, Wva  
0552 tent. WRFT-27 Roanoke  
1230 snowfree WKSO-29 Somerset,  
WKHA-35 Hazard, Ky  
WKYH-57 Hazard, Ky (551, 8KW)  
WKZT-23, WKLE-46, WCET-48,  
WKON-52, WBLG-62, WSWO-26,  
WKEF-22, WLKY-32, WOET-16,  
WSVN-47, WKBF-61, WUAB-43

1745 WUTV-29 Buffalo, WJET-24 Erie  
1828 WSEE-35, WQLN-54 Erie  
1945 WCET-48, WYTV-33

9-22 Tr 1715 WPMJ-21, WKBN-27, WYTV-33  
WJET-24, WVIZ-25, WUAB-43,  
WKBF-61, WOET-16, WKEF-22, WAKR-23,  
WJAN-17, KDNL-30, WUSI-16, KMEG-14  
1739 tent. KCBJ-17 Columbia  
1815 WSEE-35, WQLN-54, WBLG-62  
WCET-48  
1827 WIPB-49 Muncie, In  
1840 WSVN-47 Norton, WLKY-32, WSWO-26  
1945 WXIX-19; 1950 KHNE-29 Hastings  
WTU-30 Bloomington  
2002 KVPD-21 Ft. Dodge, Ia, tent.  
KDS-16 Aberdeen, SD  
2108 WFIE-14 Evansville  
2110 KYNE-26 Omaha, Ne (481, 10 power)

9-23 Tr 0515 WJW-8, WISH-8, WBNS-10  
WICC-11 Pittsburgh  
0610 WKBN-27, WYTV-33 Youngstown  
WHIZ-18 Zanesville, Oh  
KRNT-8 Des Moines, Ia  
0640 WAKR-23 Akron; 0645 WPMJ-21  
0654 WSEE-35 Erie, 0658 WJET-24  
1150 WUTV-29 Buffalo, Ny  
WDCA-20 Washington, DC!

1215 WBRE-28 Wilkes Barre, Pa

9-26 Tr 1710 WOET-16, WKEF-22 Dayton  
WSWO-26 Springfield, Oh  
WIPB-49 Muncie  
1717 KDNL-30 St. Louis, Mo  
1824 KTSB-27 Topeka, Kn  
KBMA-41 Kansas City, Mo  
1843 KCBJ-17 Columbia, Mo  
1858 KHNE-29 Hastings, Ne (617)  
tent. KMEG-14 Sioux City

9-27 Tr 1710 WPMJ-21, WKBN-27, WYTV-33  
WVIZ-25, WUAB-13, WKBF-61, WAKR-23  
WJAN-17; 1723 WUTV-29, Erie Us  
1835 tent WNPE-16, WNPI-18, WVNY-22  
1850 WBRE-28, WVA-44, WICZ-40,  
WBJA-34, WDAU-22, WNEP-16!

Totals now: 487 seen! Things died after 9-27



Roger H. Brown, 1617 Linden, E. Lansing, Mi. 48823 EST

- 9-18 Tr 2100 KTCI-17 St. Paul, Mn (460)  
WXOW-19 LaCrosse, WI (350)  
 2205 KWWL-7 Waterloo, Ia (410)  
KCRG-9 Cedar Rapids, Ia (390)  
KDUB-40 Dubuque, Ia (300)
- 9-19 Tr 0050 WTCN-11 Minneapolis (470)  
WEAU-13 Eau Claire, WI (390)  
 0150 Hvy CCI on WTCN-11, tent. KELO  
 2130 WNPE-16 Watertown, NY (440)  
 2140 WKMR-38 Morehead (360)  
WKPT-19 Kingsport (440)  
WSVN-47 Norton, Va (450)  
 2202 WRFT-27 Roanoke, Va (480)  
 2230 WNPI-18 Norwood, NY (570)  
WENY-36 Elmira, NY (400)  
 2310 WBRE-28 Scranton, WICZ-40  
WLEX-18, WSYE-18 (6 ch 18s in  
one evening!)  
 2313 WUTR-20 Utica (470), WBJA-34  
 2320 WBLG-62 Lexington (330)
- 9-20 Tr 0500 WFBG-10 Altoona (340)  
WHEC-10 Rochester (340)  
CFTO-9 Toronto (300)  
 0515 WHTN-13 Huntington, WVa (330)  
 0520 WBNB-12 Binghamton, NY (420)  
 0525 WJHL-11 Johnson City, Tn (510)  
 0551 WBOY-12 Clarksburg, WVa (330)  
 0600 WCBS-8 Charleston, WVa (340)  
 0815 WCVN-54 Covington (250), WKHA-35  
Hazard (380), WKMR-38 Morehead (360)  
WKON-52 Owenton (300), WKPI-22  
Pikeville (400), WKSQ-29 Somerset  
(450) all city grade, all //. Also,  
WSVN-47 Norton snowfree, with WKPT-19,  
WMUL-33, WKYT-27, WLEX-18. 10-10 Tr  
 0834 WGSF-31 Newark, Oh (220) (4000 W)  
programming // to WOSU-34.  
 1730 WSVN-47, WKMR-38 still snowfree  
 1830 WLEX-18, WMUB-14, WXIX-19,  
WKPT-19, WOUB-20, WKHA-35, WKYT-27  
WBLG-62, WBGU-70  
 1840 WKYH-57 Hazard, Ky (15 KW!)  
programming old movie, local ads  
 1940 WCVN-54 Ø offset w/ WQLN-54  
 2000 WENY-36 Elmira, NY (400)  
WLKY-32, WKMJ-68 Louisville (330)
- 9-21 Tr 2305 WLKY-32, WXIX-19, WSWO-26
- 9-23 Tr 0015 WKYT-27, WKOW-27, WMTV-15, WMBD-31  
 0730 WNED-17 Buffalo, NY (280)  
 0800 WNEP-16, WDAU-22, WBRE-28 (480)  
WICZ-40 Binghamton w/ rapid fades  
 1300 same as above plus WBJA-34 and  
WSKG-46 all via ducting
- 9-26 Tr 2215 KIIN-12 Iowa City, Ia (420)  
over local WJRT-12. KWWL-7,  
KCRG-9 over Chicago.  
 2220 KMEG-14 Sioux City (600)  
 2235 KVFD-21 Ft. Dodge, Ia (470)  
 2300 KXNE-19 Norfolk, Ne (630)  
 2302 KHNE-29 Hastings, Ne (740)  
both with long Neb Ed Network  
s/off, both near snow free.  
KHNE-29 my longest tropo.  
 2340 KTSB-27 Topeka, Kn (670)
- 9-27 Tr 0001 KDNL-30 St. Louis (410)  
 0030 WHO-13 Des Moines (350)  
 2100 WBRE-28, WDAU-22, WNEP-16,  
WBJA-34, WENY-36, WSYE-18,  
WSKG-46, WVIA-44, WICZ-40 all in  
but not strong.  
 2145 WUTR-20 Utica, NY (470)  
 2150 WCDC-19 Adams, Ma (560) near  
snow free with deep fades.  
 2200 CICA-19 Toronto, On (300)  
 2235 WNYC-31 New York, NY (540)  
 2236 WNJU-47 Newark, NJ (NY) 540)  
plus heavy CCI on WUHQ-41 from  
probable WXTV-41 Paterson
- 9-28 Tr 0525 WHEN-5 Syracuse, NY (420)  
 0535 WNYS-9 Syracuse, NY (420)  
plus most of others from night  
before, including WCDC-19  
 0815 W63# Mansfield, Pa (440)  
translating WVIA-44. (14KW ERP)  
Also two other WVIA-44 translators  
not IDed, because of UHF tuner  
not being numbered.  
 2315 WICD-15, WAND-17, WICS-20,  
KDNL-30 (410), WMBD-31  
 2335 KMTC-27 Springfield, Mo (590)  
very good at 0120.

Conditions have dropped of considerably in October. We're having record cold again...the WX map has looked like a winter map since last winter! Was surprised by Es on 10-17...nothing great. More next month. Programming seen this month was some of most interesting I've ever seen...WNJU-47 had Roller Derby in EE, then about 7 spots in SS! WNYC-31 had live or taped continuous UN coverage. Totals here now 370 seen, 158 UHF from 22 states.

One of the best things about September was that it revived some interest among several long-time DXers who have seen about all the Es they care to see. Gary Olson for one sure sounded enthusiastic. This hobby is certainly enhanced by the nice guys I've met and communicate regularly with...including Gary, Morrie, and Dave J. Our September phone bills were a bit outrageous but what the heck! The long cold Midwestern winter is setting in. Hope MS brings a new station or two to your shack...tropo and Es are a long way off...at least in any great abundance. I hope that next year I'll hear from a few more people! With out membership over 300...we must reach a few more active midwestern DXers willing to report at least their good catches! That's called SUPPORTING YOUR CLUB! Stay warm friends. RB



# EASTERN TV DX

Dave Pomeroy  
KTWU-Channel 11  
Signal Hill  
Topeka, Kansas 66604

The move to Topeka from Kansas City has evidently caused some confusion as I have received only one report here at KTWU and only one forwarded from KCPT. However, there is some backlog of reports and that helps give a little volume to this month's Eastern column in the VUD. As a result, I will not attempt to analyze DX conditions in the east. Since the VUD does not contain report forms anymore, please try to make your reports conform as much as possible to the listings as they normally appear. NOTE: Zip code given last month was incorrect--it is 66604 not 66601.

Paul D. Traska 64 Weaver Street Buffalo, New York 14206

7-20 Tr 0315 WABC-7 New York City, NY	9-11 Tr 1215 WLEX-18 Lexington, KY
7-24 2300 WICS-20 Springfield, IL	0200 WKAR-23 East Lansing, MI
7-26 0900 WPSX-3 Clearfield, PA	9-20 0145 WXIX-19 Newport, KY(Cincinnati)
8-16 0306 WISH-8 Indianapolis, IN	0200 WLWT-5 Cincinnati, OH
2358 WFYI-20 Indianapolis, IN	1105 WKLE-46 Lexington, KY
8-18 2300 WGTE-30 Toledo, OH	1106 WKSQ-29 Somerset, KY
8-19 0300 WTOP-9 Washington, DC	1102 WCET-48 Cincinnati, OH
8-20 0200 WLIO-35 Lima, OH	1130 WBLG-62 Lexington, KY
8-22 0230 WTAZ-3 Norfolk, VA	0015 WFLD-32 Chicago, IL
0236 WLWC-4 Columbus, OH	0226 WSNS-44 Chicago, IL
8-26 0235 WTEN-10 Albany, NY	9-21 0228 WJUP-10 Sault Ste. Marie, MI
8-30 2330 WKFE-22 Dayton, OH	9-26 1105 CJOH-6 Ottawa, Ontario
2358 WLKY-32 Louisville, KY	1100 CBLT-5 Toronto, Ontario
8-31 0105 WHIZ-18 Zanesville, OH	
2230 WKMR-38 Morehead, KY	
2300 WTAZ-15 Parkersburg, WV	

"All above stations are new--below are relogs. Total now 167." Paul uses a 1968 Philco with a 34-element Channel Master antenna and a Winegard antenna.  
Relogs for the period: WJRT-12 WOTV-8 Grand Rapids, MI WZZW-13 WTOL-11 WLWI-13 WHTN-13 WV WTRF-7 WJAC-6 WPVI-6 WCAU-10 CKSO-5 Sudbury, Ontario CKNY-10 North Bay, Ontario WUHQ-41 MI WANE-15 WPTA-21 WKJG-33 Ft. Wayne, IN WSBT-22 WSJV-28 South Bend, IN WKBF-61 Cleveland, OH WVIZ-25 WUAB-43 WDOH-24 WJAN-17 WAKR-23 Akron, OH WKBN-27 WFMJ-21 WYTV-33 Youngstown, OH WKBD-50 WTVS-56 Detroit WSEE-35 WJET-24 Erie, PA WBRE-28 WDAU-22 Scranton, PA WUTR-20 NY  
"With my Channel Master antenna, 45 new. Last year my antenna got 26 new...Good job on VUD convention issue. The cover was great with Ron LeBlanc tower antenna. I would like to see more photos of antennas and towers in the VUD. I also think it would be more impressive that it is now. Good DX to all."

Walter W. Windish, Ph.D. 136 Rose Avenue Woodcliff Lake, New Jersey 07675 (EDT)

"The attached are my labors (of love) in the TV-DX field for August-September 1972. Up to the present, I've been DX'ing UHF only. My longest catch is WRFT-27, Roanoke, VA. (385 miles) I'm using a Channel Master "Sawtooth" that Consumer Union recommended some years back. I use a 14" RCA solid state receiver that I built as part of the RCA-Radio Home Study Course. My longest catch on VHF was channel 9 in Greenville, North Carolina at 540 miles."

8-30 Tr 1815 WHNB-30 New Britain, CN 90	9-2 Tr 1930 WSBG-36 Providence, RI 150
9-2 1125 WSBK-38 Boston, MA 165	2430 WPHL-17 Philadelphia, PA 100
1137 WMLP-22 Springfield, MA 110	9-6 1130 WIBF-29 Philadelphia, PA 100
1205 WHYN-40 Springfield, MA 110	9-7 2230 WBOS-16 Salisbury, MD 180
1330 WCPB-28 Salisbury, MD 180	2300 WSMW-27 Worcester, MA 140
1500 WNEP-16 Scranton, PA 85	2310 WSBA-43 York, PA 150
1520 WHCT-18 Hartford, CN 80	2330 WKBS-48 Burlington, NJ 70
1550 WATR-20 Waterbury, CN 70	9-8 2345 WCMC-40 Wildwood, NJ 140
1650 WDCD-19 North Adams, MA 105	2345 WFTT-43 Bridgeport, CN 55

Jim Hayes 9 Henry Street Wilkes-Barre, Pennsylvania 18702 (EDT)

8-12 Es 1330 WBRZ-2 Baton Rouge, LA 3322R	8-12 Es 2100 WCCO-4 Minneapolis, MN 5544N
1930 UNID-2 west Ontario?	2214 KCKT-2 Great Bend, KS 3333R
2000 CKPR-2 Thunder Bay, Ontario 4433N	Total stations now 125



Robert Seybold Bennett Road Dunkirk, New York

E-skip continued rather heavy until convention time but a downgrade since. Tropo improved with period July 14-22. Very good up to 1000 mile tropo. Then August 30-31 very good session. Next 30 days should be best.

- 7-8 Es 1600 WBRZ-2 Baton Rouge, LA KPRC-2 Houston, TX KFDX-3 Wichita Falls, TX KDFW-4 Dallas, TX WKY-4 Oklahoma City, OK WBAP-5 Dallas, TX KOCO-5 Oklahoma City, OK KCEN-6 Temple, TX KAUZ-6 Witcita Falls, TX KFDM-6 Beaumont, TX KTEW-2 Tulsa, OK
- 7-9 Es 1700 KMID-2 KTBS-3 WEAR-3 WSAV-3 Savannah, GA  
Tr WFBM-6 WLWT-5 WJIM-6 WOTV-8 WILX-10 all Detroit and Toledo UHF's (30,24,50,56,62)  
WANE-15 WNDU-16 WPTA-21 WSBT-22 WSJV-28 WKJG-33 WLF1-18 WHIZ-18 Zanesville, OH
- 7-10 Es WTVY-4 Dothan, AL WPBT-2 Miami, FL WESH-2 Daytona Beach, FL WCIX-6 WPTV-5 FL WUFT-5 WDBO-4 WCTV-6 WRCS-6 Chattanooga, TN WSB-2 Atlanta, GA WMAB-2 WAGA-5 WEDU-3 WEAR-3 WBRC-6 WLAC-5 WDCW-6 WKRG-5 CMA-2 (channel 4 also) CMQ-6 Cuba
- 7-11 to 7-14 Es KCKT-2 KLNE-3 KOTA-3 KTWO-2 KTIV-4 KORN-5 KRMA-6 KDLO-3 KMTV-3 Omaha WOW-6 KXJB-4 KHTL-4 KCMO-5 KTVG-6 Ensign, KS KARD-3 KQTV-2 WESH-2 KHAS-5 KFYZ-5 KNOP-2 WBRZ-2 WSAV-3 Savannah, GA
- 7-14 to 7-22 very good tropo on all days in this period. Tr CKSO-11 Kearnes, Ontario CBOFT-9 Ottawa, Ontario CJOH-13 CKSO-5 CKCO-2 Georgian Bay, Ontario WWTV-10 WWTW-9 KOLN-10 Lincoln, NE KFVS-12 Cape Girardeau, MO KDNL-30 St.Louis, MO WOTV-8 WZZM-13 WJRT-12 WLS-7 Chicago, IL WGN-9 WMAQ-5 WFBM-6 WBKO-13 WKBG-53 Bowling Green, KY WKSO-29 Somerset, KY WKMR-38 Morehead, KY WKZT-23 WKMJ-68 Louisville, KY WKON-52 Owenton, KY WBGU-70 Bowling Green, OH WKYT-27 WLKY-32 WAVE-3 WHAS-11 Louisville, KY WDRB-41 WCET-48 WLEX-18 WICD-15 WANE-15 WNDU-16 WNEP-16 WNPE-16 WNP1-18 WMHT-17 WJAN-17 Canton, OH WLF1-18 WSYE-18 WVTW-18 WARD-19 Johnstown, PA "finally" WCDC-19 WUTR-20 WATR-20 WPTA-21 WSBT-22 WDAU-22 WKEF-22 WCNY-24 WEEK-25 WEY1-25 WSMW-27 WSJV-28 Elkhart, IN WBRE-28 WHNB-30 WGTE-30 WMBD-31 WRLP-32 WKJG-33 WBJA-34 WL10-35 WENY-36 WSBK-38 WICZ-40 WHYN-40 WVIA-44 WSKG-46 All Detroit U's WKBG-56 Boston, MA 7 translators on channels 70, 71, 72, 76, 82, 83. none new
- 7-20 Es Texas, Louisiana, Florida, Kansas. WPBT-2 WJXT-4 WTVJ-4 WPTV-6 WDBO-6 WCTV-6 WCIX-6 WUFT-5 WEDU-3 WEAR-3 WSAV-3 WESH-2 WSB-2 WDIQ-2 WDCN-2 WSJK-2 WKRG-5 WATC-6 KDLO-3 KDIX-2 KNOP-2 KARK-4 LittleRock, Arkansas
- 8-9 to 8-30 not much DX'ing in this period, E-skip on several occasions with such as: WBRZ-2 WESH-2 KMTV-3 KCKT-2 KCKT-2 KARD-3 WDAF-4 KNOP-2 KLNE-3 WOW-6 KDLO-3 KOTA-3 CJCB-4 WLBZ-2 WGBH-2 Boston, MA WCB1-4
- 8-30 to 8-31 WLWD-2 WAVE-3 WLWC-4 WFBM-6 WH10-7 WOTV-8 WWTW-9 WWUP-10 WZZM-13 WILX-10 WJRT-12 WBNS-10 WTVN-6 WMCU-14 Mt.Pleasant, MI WANE-15 WICD-15 WTAP-15 WNDU-16 IN WOET-16 Dayton, OH WJAN-17 WLF1-18 WHIZ-18 WKPT-19 WUCM-19 WICS-20 Springfield, IL WPTA-21 WSBT-22 WKEF-22 WKZT-23 WCEE-23 WDHO-24 WEY1-25 WEEK-25 WSWO-26 WKYT-27 KY WSJV-28 WGTE-30 KDNL-30 WMBD-31 WLKY-32 WFLD-32 WKJG-33 WL10-35 WUHQ-41 WURD-40 IN WKBD-50 WTVS-56 WXON-62 WBGU-70 Bowling Green, OH
- The following stations seen almost daily since 8-15: WDHO-24 WGTE-30 WBGU-70 WXON-62 WTVS-56 WKBD-50 plus Elmira, Binghamton, Scranton U's
- 9-3 intermittent skip on channels 2 to 4; no ID's. Total stations now 563.

David J. Egan 12a Andrew Valleyfield, Quebec (EDT)

- 8-6 Au around midnight built up to ch. 5 by 2445. By 0140 had turned into Auroral QRM, colid CCL. Was gone by 0155.
- Tr 1000 CBLT-6 Toronto, Ontario  
1003 CHCH-11 Hamilton, Ontario
- Au 2100 KXJB-4 Valley City, ND(tent)
- 8-12 Es 1900 KYTV-3 Springfield, MO  
1911 WTMJ-4 Milwaukee, WI  
1926 WMT-2 Cedar Rapids, IA (900)  
1928 WBBM-2 Chicago, IL  
1928 KCMO-5 Kansas City, MO  
1938 WMAQ-5 Chicago, IL  
1950 KTVO-3 Ottumwa, IA (965)  
1959 WDAF-4 Kansas City, MO  
2048 KMOX-4 Kansas City, MO  
(not carried on WDAF-4 dp)  
2128 WSIL-3 Harrisburg, IL
- 8-17 Es 2030 WEDU-3 Tampa, FL (1270)  
8-19 Au UNID-3  
8-21 Tr 2215 CHCH-11 through CKWS-11  
8-22 0600 WGR-2 Buffalo, NY (290)  
0553 CFTO-9 Toronto  
8-23 WGBH-2 Boston, MA  
"CBFT-2 off due to power failure"  
8-26 0552 WBNF-12 Binghamton, NY  
0617 WVIC-3 Hartford, CN  
0610 WBZ-4 Boston, MA  
0610 WKTV-2 Utica, NY  
2325 WUTV-29 Buffalo, NY (290)  
2327 UNID-21 WXXI?  
8-30 2100 WOKR-13 Rochester, NY (225)  
2050 WNPE-16 Watertown, NY  
2051 WXXI-21 Rochester, NY  
2115 WUTV-29 Buffalo, NY

(continued in December VUD)



# C.C.I. FM

## [ UNIDENTIFIED-DX ]

Bruce R. Rummel  
R.D. 1, Box 385  
Fleetwood PA 19522

Deadline: 10th of month

NOVEMBER 1972

This column is devoted entirely to your FM CCI, or unidentified FM DX. Many thanks to Leslie J. Prus, TV CCI editor, for his help in making the transition of FM CCI to this column. Les will specialize in working on your unidentified TV loggings, whereas all future FM UNIDs should be sent to me at the above address. The basic format of Les's column will be retained in this column. Question marks behind frequencies indicate the degree of uncertainty; one channel up or down (0.2 MHz) for each mark. However, when reporting to this column, if a certain channel in this spread is out, please mention it as the work load is lightened. Do your fellow DXer a favor when YOU know what station he received and drop him a card. Someday he will do the same for you. If desired, IDs can be sent here, but it only makes the column bigger. And now to the mysteries:

Pat Dyer, 5315 Silvertip Drive, San Antonio TX 78228

Sat May 13	Es	93.7?	1952	CDT	- Request gospel music program (WDAY? BR)
Wed May 31	Es	94.5?	1934	CDT	- Minnesota Twins BB. KSTP? (if not, KAWY?)
Thu Jun 8	Es	94.5?	1228	CDT	- "Paul Harvey Comments" KWMT Fort Dodge?
		94.1	1940	CDT	- Milwaukee BB. PTA: Great Lakes, MN
		94.1	2047	CDT	- Baseball. PTA: MI, WI, IL, IN.
		95.5	2155	CDT	- Cincinnati-Montreal Baseball.
Mon Jul 3	Es	90.9	1125	CDT	- Senate-House Committee Hrngs. PTA: MI, MN, WI.
Sat Jul 8	Es	95.3	1930	CDT	- Religious program, Indiana mentioned.
		98.7	2030	EDT	- ESP contest with station using EDT.
Sun Jul 9	Es	88.9	1237	EDT	- Music and talk on Chopin. PTA: OH, KY.
Wed Jul 12	Es	90.3	1735	CDT	- Regional nx, wx, with Ron Smith. PTA: KY
Fri Jul 28	Es	95.5	1340	PDT	- Religious program. KILA Henderson NV?
Wed Aug 16	Es	95.5	2038	CST	- Station using PDT or MST. Request line partial number 297773, spot for Chet's Auto Shop; not KLOS, KILA, KYNO. 2-hop?
Sat Aug 19	Es	94.9	1835	CST	- Hit Parade, Earth News (Definite WLCY-)
Mon Aug 21	Es	90.1	1517	CST	- Test tone from southeastern USA.
		90.1	1740	CST	- Test tone although may be other station
		107.5	1744	CST	- Mention of Woodlawn Rd and South Blvd.
		94.1	1920	CST	- Live Republican Convention. PTA: not W.
Tue Aug 22	Es	88.5	1550	CST	- End program of Miami's Cuban population Perhaps NPR net.

Fred Nordquist, 302 Sandra Lane, North Syracuse NY 13212

Sat Jul 15	Es	105.9	1215	CDT	- World News. Suspect KLWN. PTA: KS, MO.
		99.1	1223	CDT	- Stereo classical mx. (Definite KFUO BR)
		90.1	1245	CDT	- World news, female anncr. PTA: IA.

Bruce Rummel, R.D. 1, Box 385, Fleetwood PA 19522

Mon Jul 26	Tr	102.3	2300	EDT	- Signoff. PTA: PA, NJ, MD.
Sat Sep 9	Ms	96.7	1812	EDT	- Stereo class. mx. by Wagner. Many bursts
Mon Oct 9	As	104.7	0025	EDT	- Mono classical music, by aircraft scatter and Ms to past 0050.

IDENTIFICATIONS: Dave Bright, your 15 July logging of organ music on 94.7 definitely WFME Newark NJ. Richard Wood, your 2 June logging of 100.3 in this area definitely WXUR Media PA. They might be going off the air very soon, although the same was said two years ago.

HELP!!! Although the FM band doesn't exactly have its counterpart to TV Guide, doubtless many of you have (or can get) unwanted program guides to noncommercial FMs, regional guides like Baltimore's Forecast FM, and the like. I would like to collect these, and will return them if you want them back.

73, Bruce



# CCI [ UNIDENTIFIED-DX ]



Leslie J. Prus  
1615 Pierre Street  
Manhattan, Kansas 66502  
deadline: 10th of month

NOVEMBER 1972

As the new heading indicates, this column will be devoted exclusively to unidentified television loggings; FM unIDs will now be handled by FM-CCI Editor Bruce Rummel, whose introductory column can be found elsewhere in this issue. I'm sure that Bruce would agree with my request that all WTFDAers, regardless of their DXing preferences, read both CCI columns and help solve the mysteries contained therein. Remember also that the loggings appearing in the CCI columns have been investigated to the maximum extent possible. Your final check is probably the only hope there is for identification. For the convenience of readers, the format of TV-CCI has been slightly altered to enable the rapid differentiation between Ided and unIded loggings. Descriptive information is separated from date/time data by a series of hyphens in two ways: "----" or "- -". The triple hyphen indicates that the logging has already been identified by the editor or other readers, and does not require your attention. Unknown TV loggings are indicated by the double hyphen (- -). After checking the PTA and description, if you decide that you might be able to solve it, mark an "x" with a pencil between the hyphens: (-x-). Later, you can get those old TV Guides out and check the specific loggings that you had previously marked.

Thanks to Fred McCormack (Des Lacs, ND) for sending in a current copy of the Sunday "Minneapolis Tribune TV Week" which contains fall listings of western ND & SD stations not found in TVG. However, a back-issue (June or July 1972) of this TV Week is also needed... Can a Minnesota DXer obtain one for TV-CCI, or at least photocopy the sections covering KDIK-2, KOTA-3, and KDSJ-5/KRSD-7? It would be appreciated. Pencils ready?

Ken Simon, 528 Pilgrim Road, West Palm Beach, Florida 33405

Tue Aug 1 Es ch 2 1815 CDT - - Canadian local news  
with a maple leaf  
very prominent in  
the background.  
PTA: Ontario. (It  
could be either CJIC-2 or CKPR-2)



13 Kitchener - London  
2 Georgian Bay



2 1945 CDT --- Canadian CTV variety show  
(Definitely CKCO1-2, Warton, Ont.)  
Wed Aug 16 Es ch 3 1750 CDT --- local nx (Definitely KTBS-3)

Bill Draeb, Ellis Street, R.R. 2, Kewaunee, Wisconsin 54216

Wed Sep 20 Tr ch 27 0710 EDT - - At 0652 EDT a RETMA TP (see Aug VUD, p. 51 for sketch) with a digital clock time readout across bottom center was noted. Unreadable ID at 0700, followed CB with readout superimposed. At about 0710 programming began with a talkshow or interview (local) with readout of clock superimposed occasionally. PTA: Virginia with WRFT suspect. (WTPA too)



Les Prus, 1615 Pierre Street, Manhattan, Kansas 66502

Sat Jul 8 Es ch 3 1635 EDT - - 1cl movie: "Five Weeks in a Balloon"  
PTA: mid-Atlantic states. Possible  
WSAZ, WSAV, WTAR, WBTB, or KYW.



6 1635 EDT - - "Parade of Champions" miniature golf  
PTA: same. WHIS, WTVR, WTVM, WTAC, WPVI  
"Let's Make a Deal" PTA: mid-Atlantic

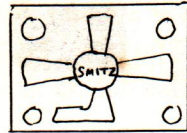


Frank Wheeler, 6589 Wattsburg Road, Erie, Pennsylvania 16509

Thu Sep 28 Tr ch 6 0527 EST - - "Smitz" test pattern



as shown at right.  
PTA: Ind, Michigan  
(Chief suspect is  
WRTV-6 Indianapolis  
but WJIM-6 Lansing  
is also possible.)



Walt Windish, 136 Rose Avenue, Woodcliff Lake, New Jersey 07675

Sun Sep 17 Tr ch 16 1025 EDT - - "Bob Harrington Crusade" for Lynchburg (VA) Baptist College. Suspect WBRA (WBRA & WHRO, etc, normally are not on Sunday mornings, but this may be the exception. PTA: VA, MD, PA including WBOC, WNEP; also WLYH-15, WPHL-17)

Jerry Pulice, 143 Gibson Avenue, Staten Island, New York 10308

Sun Jul 2 Es ch 4 0930 CDT - - RETMA pattern (see Aug VUD, p. 51 for sketch), then sign-on. PTA: Central US (KTIV-4 uses a RETMA, but s/on time is earlier according to my TVGs. Readers, please check KTIV and others in PTA.)  
Mon Aug 12 MS ch 5 0534 EDT - - 3/4 CB: (7-2.5-s according to the CB classification scheme in CCI: Mar.72) PTA: southeast, central US.  
Thu Sep 28 Tr ch 13 0445 EST - - 3/4 CB, offset 13 plus. (It's a toss-up between WZZM & WEAU, PTA: MI, WI  
50 1245 CDT --- "Galloping Gourmet" (Definite WKED)

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

Sun Jul 9 Es ch 3 1400 CDT - - "Flipper" PTA: Central US: Possible suspects: (All ch 3s in north central US)  
2 1400 CDT - - local movie "The Movie Thing" with a film about a courtroom drama. PTA: "Suspect: KWGN, KTWO, KDIX, KNOP, WMT  
3 1625 CDT --- "Kid Talk" (Definitely KDLO-3)  
Fri Jul 14 Es ch 3 1025 CDT - - ETV program with Dr. Seuss characters. PTA: Central US (KLNE-3 the only ETV in the area, can someone confirm it?)  
Wed Jul 19 Es ch 2 1550 CDT - - IHTP (Indian Head Test Pattern) (It's probably an ETV station on for afternoon programming. KUSD-2 or KTCA-2.)  
3 1800 CDT - - delayed NBC News PTA: Midwest to the Rockies. (All stations negative but KOTA-3 which according to "TV Week" has "NEWS" at 1700 & 1730 MDT. KOTA is primarily NBC, so its possible.)  
3 1815 CDT - - local news: "TV 3 Newsday" PTA: SE to Midwest US (I've logged this before, so it must be in the Eastern third of the US: suspect are WAVE-3, WTAR, etc)

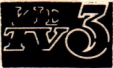


Les Prus, 1615 Pierre Street, Manhattan, Kansas 66502

Sat Jul 8 Es ch 4 1905 EDT - - beginning of delayed CBS "Gunsmoke" PTA: Eastern U.S. WBEW? WJXT? WCBI?  
Sat Jul 15 Es ch 6 1345 EDT - - "Roller Derby" PTA: Northeast US, Ont  
Suspects include CFCL, CBMT, WCSH, WRGB, WJIM and WLUC.



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

Wed Jul 19 Es ch 3 1725 MDT --- delayed "CBS News" (Although both KTVS and KID check for this, KTVS is much more likely. See next logging...)  3 1730 MDT --- delayed "ABC News" (This one, logged five min. later, definitely KTVS-3)

Thu Jul 20 Es ch 3 0828 MDT --- "CBS Morning News" (definite KID-3)  
3 0835 MDT --- "Jack LaLanne" (definitely KID-3)  
3 0907 MDT --- NBC "Today" (definitely KORK-3 Vegas)

Sat Jul 22 Es ch 2 1100 CDT --- PBS "What's New" (definitely WDCN-2)  
2 1215 CDT - - local street parade. PTA: SE US, North Central, and Midwest (not KQTV-2)  
2 1520 CDT - - "Roller Derby" PTA: Midwest, SE US  
3 1550 CDT - - Canadian League Football PTA: " " "  
2 1655 EDT - - PBS "Mr. Rogers" PTA: Central & SE US (Possibilities: WTHS, WSJK, WDCN, WDIQ)  
2 2030 CDT --- PBS "Film Odyssey: Potemkin" (This one definitely WDIQ - Dozier, Alabama)

Sun Jul 23 Es ch 2 0825 CDT --- "Oral Roberts" (LSD, several check.)  
3 2159 CDT --- "This is Your Life" (Definitely KDLO)

Tue Jul 25 Es ch 2 0925 CDT --- "What Every Woman..." (Defn. WMT-2)  
3 0925 CDT --- "Jack LaLanne" (Definitely KGLO-3)

Thu Jul 27 Es ch 2 0940 MDT --- "Jack LaLanne" (Definitely KWGN-2)

Fri Jul 28 Es ch 3 1330 PDT --- NBC "Another World" 90 min. delayed (KORK-3 very probable... you can check the "Scotty's Castle Clothes" with directory assistance to confirm Vegas)  
"Roller Derby" PTA: Midwest, East US

Sat Jul 29 Es ch 2 1325 CDT - - "Hogan's Heroes" (KWGN-2 Denver CO)

Thu Aug 10 Es ch 2 1740 MDT --- "Backyard Farmer, RFD" (KUSD is very probable, since this program is carried on the NE ETV Network. Since I have no local schedules for KNOP-2, I cannot be positive that KNOP doesn't carry it)

Tue Aug 15 Es ch 2 2130 CDT --- "NBC Evening News" (Definite KNBC)  
6 1940 PDT --- "To Tell the Truth" (Definite XETV)

Sat Aug 19 Es ch 6 1925 EDT --- "Hee Haw" (Definitely WDBO-6)

Tue Aug 22 Es ch 4 0900 PDT --- "Dinah's Place" (Definite KNBC-4)

Mon Aug 28 Es ch 2 0945 MDT --- "Jack LaLanne" followed by "Lucille Rivers" (Definitely KWGN-2)  
3 1430 MDT --- "City Talk" (Definitely KTVK-3)

Tue Sep 26 Es ch 6 2135 EDT - - local movie about WWII and Pigeons in Italy, later ad for local Dodge at 8401 Seventh Avenue. PTA: FLA, or Georgia  
Possibilities: WCIX, WDBO, WCTV, WJBF

Les Prus, 1615 Pierre, Manhattan, Kansas 66502

Mon Jul 3 Es ch 2 0940 MDT - - "Romper Room" PTA: Northwest US, Canada  
2 0915 MDT - - RETMA TP with CBS Eye in center, with a "2" inside the "eye". PTA: NW US, Can  
It continued past 0935 MDT, 0835 PDT.

Jim Pizzi: Frank Aden has IDed your June 8 Martin & Lewis film as CKCK in Regina, Sask. by checking directory assistance after having a hunch that the ch 2 logging might be Canadian. Fred McCormack, after extensive checks ruled out the possibility of your 7/23 ch 3 logging being a ch 3 xltr of ND ETV. There are none. He doubts KTCA would ID as serving ND anyway, since its IDs don't come down the ND ETV net. HELP!



Regina

2

73s,

Les



# Bob's Tek-Notes

by Robert B. Cooper, Jr.

## ANTENNAS - ONCE AGAIN

Antennas fascinate most TV and FM DX enthusiasts ... since it is the antenna installation that separates most of us from the fellow down the street with the 25 inch color receiver.

Over the years that we have been conducting this column, time and time again we have held that (A) ...for VHF - A SINGLE CHANNEL YAGI FOR DXing MADE THE MOST SENSE, and, (B) ...for UHF - A SEVEN FOOT PARABOLIC - dish - BY FINCO OR CHANNEL MASTER MADE THE MOST SENSE.

We still hold to this thesis, but recognize that not everyone (darn few in fact) have the space, tower, or finances to "do it correctly" for every channel in the spectrum. So when CHANNEL MASTER recently announced a new line of "MATV" log antennas for (individually) low band VHF, and, high band VHF ... we took a close look at them. CM calls their new line the SUPER VECTOR.

This antenna is either all high band (model 1273) or all low band (model 1226). The antennas have twin boom ("V" design) and several desirable features for the fellow short on tower space.

A LOG ANTENNA, as recently discussed in some detail by Dave Janowiak in these pages, is basically a broad banded antenna with good (to excellent) impedance matching characteristics over channels 2-6, 7-13, or in the case of home-type consumer antennas, 2-13 (with some qualifications). A well designed log antenna also has, in addition to good match, a better front-to-back ratio (ie. ability to reject signals from the rear) and higher front-to-side ratio (ie. ability to reject signals from the sides) than most common yagi installations. Note we did not say common yagi antennas; we said common yagi installations. Finally, there is some evidence to support the thesis that the actual front of antenna pick-up pattern on a well designed and properly installed log antenna may often be better than the common garden variety yagi antenna installation.

The YAGI antenna looks awfully good on paper. A properly designed set of stacked yagis, also properly stacked, looks even better on paper. But between the paper design and the actual installation of virtually all but the most sophisticated CATV antenna installations, yagi antennas fall apart.

The yagi antenna is extremely susceptible to its surrounding environment. This includes, but is not limited to (A) other antennas on the same tower, (B) the tower itself, (C) the tower guy wires, (D) the nearby power lines, buildings and even terrain, and even (E) the downline transmission line from antenna to receiving equipment. Just one of these extraneous factors, not just right, can and will change the antenna receiving pattern of the yagi, thereby (1) reducing its gain, (2) modifying its side and rear pick up lobes so that where there is supposed to be high rejection, you may have low rejection or no rejection, (3) modifying its impedance match so that where on paper the antenna was a good match for 75 or 300 ohms, it becomes a bad match to the transmission line.

Now the log is capable of the same type of paper-to-reality change, when it goes from the shipping box to its resting place on the tower, but it is less likely to change as much as a yagi. In short, the performance you bought (even if less on paper than a yagi) with a log is more apt to be the performance you get, with a good log, than with a (good) yagi.

Now let's look at the Channel Master 1273 and 1226 logs.

By restricting the gain-bandwidth to either low band (1226) or high band (1273), the basic "log" antenna we are all familiar with becomes a considerably better antenna. This is because there are (admittedly) some compromises in total antenna design when a low band log and a high band log are "married" with a single support structure - ie. boom.

Consequently, as a start, the 1226 and 1273 are already closer in performance to the desired "paper design" because they are single band only; low, or, high.



BOB'S TECK NOTES

The gain of a pure log is not going to be as high ... on paper ... as a well designed single channel yagi. We will compare the gain of the two, none the less, to see just how far apart they begin.

SIZE OF ARRAY-LOG	GAIN (*)	SIZE OF ARRAY-YAGI	GAIN (**)	LOG-F/B	YAGI F/B
CM 1226-single .....	7 db	10 el. single 2-6	9 db	29 db	20 db
CM 1273-single .....	10 db	10 el. single 7-13	9.5 db	25 db	20 db
CM 1226-dual .....	10 db	20 el. dual 2-6	11.5 db	29 db	18 db
CM 1273-dual .....	13 db	20 el. dual 7-13	12.0 db	28 db	18 db
CM 1273-quad .....	15 db	40 el. quad 7-13	15.0 db	30 db	16 db

\*- compared to dipole antenna! \*- average spec from typical MATV yagi antenna

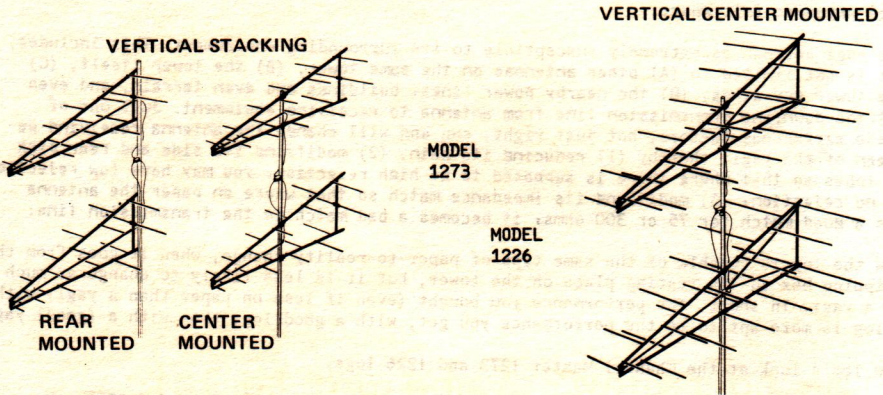
The truth is as yagi antenna arrays get larger, in practice, and are tower mounted, the effects of the tower and other detracting factors becomes larger, and, less predictable even on paper.

The Channel Master model 1273 log antennas (high band) can be rear-mounted, even on a tower leg and left in a fixed direction (see illustration). This means ALL of the antenna active elements are out-in-front of the tower, and the effects of the tower on the array itself are considerably minimized; even over mounting on a 1.25 inch diameter mast. This also suggests some nice fixed-direction antenna arrays for side of tower mounting for those of us who never seem to have enough rotator space for all of the antennas we would like to see up in the air.

The Channel Master 1226 is not factory recommended for rear-mounting; but it won't take you long however to figure out how to do it. Just make sure the normal mast support points are properly supported between both halves of the V for mechanical strength.

A nice DXing array would consist of a 1226 for low band, center mounted on the rotator mast, and two 1273's vertically stacked (15 foot of vertical mast plus rotor required). There would be two separate 75 ohm coaxial feedlines, one for high band and one for low band. We stacked two of the low band versions, on a rotator, and four of the high band versions (vertically) and compared the high band stack directly with the existing Channel 11 four stack Winegard array (also vertically stacked). We are taking the Winegards down at the earliest opportunity ... if that tells you something.

The low band (1226) nets at around \$41.00 each at your friendly CM distributor; the high band (1273) is around \$37.00 each.



*Bob Cooper*



# A.N.A.R.C. REPORT

Ferdinand S. Dombrowski, P. O. Box 5001, Harbor Station, Milwaukee, WI 53204

Sorry I missed the WTFDA and ANARC conventions this year. New Orleans was unintentional by a last minute decision; I lost my ride. First time I missed a convention of either organization since I began making the rounds in 1968.

Nominations are being accepted for ANARC Executive Secretary. If you wish to nominate someone, write Ambrose or me, telling whom you wish to nominate. We'll pass the word.

I wish to thank all responsible for the ANARC merit award I was voted at the Boston convention. It was a big surprise. When Morrie returned from Boston and phoned me with the news, I was speechless for a while. Fortunately, I was sitting down at the time. It's ironic, that after attending four consecutive ANARC conventions, the one I missed was the 'big one', as Morrie put it. (It also had, by far, the largest attendance of any of them.) I consider it a great honor, personally, to be given such an award, but the significance for the hobby is also obvious. It is the first award presented to a TV-FM club, a rather small, underrated segment of the DX hobby, percentage-wise. WTFDA's success has surprised a lot of people in the hobby, myself included. In 1967, after agreeing to take over this club of 27 members, I renewed my membership in the Canadian DX Club because I thought WTFDA would be dead in less than a year. When a club of only 27 members changes format, thereby alienating 25 of them, and has a deficit to start with, I certainly could not be chided for expecting the worst! But the support over the years was stupendous, and a lot of free publicity from other clubs and magazines helped spread the word throughout the DXing hobby world beyond our wildest expectations. So, within a few months, our success was assured. The past four years-plus have proven me wrong in my original evaluation. We still have a surprising number of first-year members with us, so we must have done something right. Considering the appearance of the first few VUD's, it's a wonder that ANYONE stuck with us through the first year.

Back to news of ANARC and the clubs. CIDX has just celebrated its tenth anniversary. (This is the Canadian International DX Club, of Winnipeg.) In recent months they have resumed their TV-FM column, now with Ken Horne as editor. (Morrie Goldman used to be their TV editor, years ago, before WTFDA began.) The July issue of the Messenger (received here August 6) had a five page condensed history of the club. The club received well wishes from a number of shortwave stations, over the air and in the mail, on the occasion of their anniversary. WTFDA also wishes to extend its congratulations, too. For info about the club, write to 169 Grandview Av., Winnipeg, 16, Manitoba.

SPEEDX has produced a souvenir booklet of the ANARC convention, with four pages of convention photos, and a four page history of ANARC, as well as convention news. For this ANARC collector's item, send 25¢ to SPEEDX, Box 321, Santa Ana, California 92702.

It is reported that the 1972 issue of Jones' North American Radio-TV Station Guide is available. Available from Gilfer Associates, Box 239, Park Ridge, New Jersey, 07656, it is, I believe, \$3.95 plus 50¢ shipping.

**Time to renew? A change to 1st class will bring your VUD faster!**



# FM QSL CORNER

Dennis M. Moe  
8140 Storms  
ISU  
Ames, IA 50012  
Deadline: Nov.12

Due to the fact that FM-QSL has not appeared for many months, there is a backlog of reports, which will be taken care of this month. Also, please note my address change. This will probably be my address through May, 1973. Abbreviations: L-letter, FL-form letter, QSL-QSL card. Last part inside parenthesis gives month of verie (1972) and person.

ALABAMA:WNBX Andalusia 98.1(L/7PD); WRSR Decatur 96.9(L,7FW); WTUV Dothan 95.5(L,6FD); WLMJ Gadsden 103.7(L/sked,6BE); WHOD Jackson 104.9(L/CM,6RW); WCOV Montgomery 92.3(L,7RW). ARIZONA:KTCG Glendale 92.3(L,6FD); KMEO Phoenix 96.9(L,6BE); KCCL Phoenix 94.5(QSL,6BE,6FD); KRFM Phoenix 95.5(L,6BE,6PD); KALJ Yuma 95.1(L,7PD). ARKANSAS: KHEM Monticello 93.5(L,6BE). CALIFORNIA:KYNO Fresno 95.5(L,6FD); KFSN San Diego 94.1(QSL,7PD). COLORADO:KAVI Rocky Ford 95.9(CM for AM,8RW). FLORIDA:WTLN Apopka 95.3(L,7PD); WQXM Clearwater 97.9(L,7RW); WJCT Jacksonville 89.9(L,7AE,7PD); WVMF Lakeland 94.1(L/CM,7PD); WPCS Pensacola 89.3(L,6BE); WCKO Pompano Beach 102.7(L, address Ft. Lauderdale,6FS); WOMA Tallahassee 94.9(L,6FD); WPKM Tampa 104.7(L,7RW); WUSF Tampa 89.7(L/\*,7RW); WLKY Tampa-St. Petersburg 94.9(QSL,6BE,9PD). GEORGIA: WGFC Albany 104.5(L,6BE); WDEC Americus 94.3(L/nw WIPE with scul mx,10PD); WNGC Athens 95.5(L,10PD); WABE Atlanta 90.1(L,10PD); WFEH Louisville 92.1(L,6BE); WREK Atlanta 91.1(L,6BE); WSB Atlanta 96.5(QSL,10FD); WZCG Atlanta 92.9(L,9RW); WMTM Moultrie 93.9(L,6FD); WTUF Thomasville 107.1(QSL,7PD); WACL Waycross 103.3(L,6FD). IDAHO:KID Idaho Falls 96.1. ILLINOIS:WEXI Arlington Heights 92.7(L/CM,9RW); WSIU Carbondale 91.9(L,6JM); WMBI Chicago 90.1(QSL/sked,10PD); WXRT Chicago 93.1(L/obselate CM,10RW); WNIU DeKalb 89.5(L/CM,7RW); WGLL Galesburg 94.9(L/CM,6PD); WROK Rockford 97.5(QSL/L/CM,7RW); WCCI Savanna 100.1(L,6BE). INDIANA:WPTH Ft. Wayne 95.1(L,7PD); WIAN Indianapolis 90.1(L,7PD); WNAP Indianapolis 93.1(QSL,10RW); WTCF Plymouth 94.3(L,7PD); WVTS Terre Haute 100.7(L,10RW,C,7RW). IOWA:WMT Cedar Rapids 96.5(FL,7PD); KDEN Denison 107.1(L,10RW); KILR Estherville 95.9(L/CM,7RW); KMMT Ft. Dodge 94.5(QSL for AM,10PD); KOUR Independence 95.3(L/CM,7RW); KWWL Waterloo 107.9(L,7PD). KENTUCKY:WCTT Corbin 107.1(QSL,10PD); WKRX Louisville 106.9(verie on CM,6PD); WEKU Richmond 88.9(L,6PD). LOUISIANA:KHOM Houma 104.1(L,6BE); KAPB Marks-ville 97.7(L,6BE); KREB Monroe 106.1(L,6BE); KDBH Natchitoches 97.7(L,7RW); KSLC Opelousas 107.1(L,6BE); KTIB Thibodaux 106.3(L/invoke,6BE); KCRF Winnboro 95.9 (memo pad verie,6BE). MICHIGAN:WVTV Cadillac 92.9(L/CM/sked,7RW,1,6FS); WFMK East Lansing 99.1(L,6PD); WGLL Houghton 91.1(L,7PD); WBRB Mount Clemens 102.7(CM/verie note,6PS); WNIL Niles 95.3(L,7PD); WJML Petoskey 98.9(FL/CM/personal ltr,7RW). MINNESOTA:KTWN Anoka 107.9(FL,7D); KLIZ Brainerd 95.7(L/CM,9RW); WGGP Duluth 105.1(L,7RW); KDHL Faribault 95.9(QSL,6PD,7RW); KFLL Litchfield 95.3(L,6FD); KQAD Luverne 100.9(L,6BE); KNXR Rochester 97.5(L/dial card,7RW); KOLM Rochester 96.7(L/sked/rate card/brochures,7RW). MISSISSIPPI:WVMI Biloxi 93.7(L,6BE); WQST Forest 92.5(L,9RW); WMDK Hazlehurst 100.9(L,6BE,L/CM/business card,9RW); WMIJ Jackson 99.7(L,6BE); WKXI Jackson 94.7(L,6BE); WNSL Laurel 100.3(L,7RW); WSJC Magee 107.5(QSL,5PD); WNJC Senatobia 90.1(L,6BE); WTYL Tylertown 97.7(L,6BE). MISSOURI:KRXL Kirksville 94.5(L,6PD); KXCV Maryville 90.5(L,7RW). MONTANA:KIVE Glendive 96.5(L/ooklet,6PD). NEW JERSEY:WFPG Atlantic City 96.9(QSL for AM/unsigned,6BE). NEW MEXICO:KOB Albuquerque 93.3(L/invoke,6BE); KRST Albuquerque 92.3(L,6BE); KBAD Carlsbad 92.1(L,6BE); KTDB Ramah 89.7(L,6BE). NEW YORK:WADV Buffalo 106.5(FL,3PS); WBCE Buffalo 94.5(FL,3PS); WBEN Buffalo 102.5(QSL/unsigned,6PS); WBUF Buffalo 92.9(L/verie signer unreadable,3PS); WDCX Buffalo 99.5(L/new QSL's ordered by stn,3PS); WGR Buffalo 96.9(QSL/unsigned,6RW,6PS); WPHD Buffalo 103.3(L,3PS); WCLI Coming 106.1(L/rate card (outdated),7RW); WKRT Cortland 99.9(L,7RW); WUOU Ithaca 97.3(FL/CM/sked,7RW); WUUG Jamestown 101.7(L,6PS); WJTN Jamestown 93.3(L,6PS); WEZO Rochester 101.3(L,6FS); WHEM Rochester 96.9(QSL,3PS); WYUC Rochester 100.5(L,3PS); WSEW Seneca Falls 99.3(L/CM,7RW); WWRJ Southampton,LI 95.3(L,3SR); WAER Syracuse 88.3(L,7AE); WCNY Syracuse 91.3(L,6PS); WSYR Syracuse 94.5(L,3PS). NORTH CAROLINA:WLXN Lexington 94.1(L,7PD); WPTF Raleigh 94.7(QSL/CM/sked/rate data,7PD). NORTH DAKOTA:WRMR Bismarck 94.3(L,9JM,6PD); KDLR Devils Lake 96.7(L/civil defense card,7RW); KYIN Grand Forks(L,6FD); KQIR Minot 97.1(L,9JM); KMOT Minot 93.7(L,9JM). OHIO:WAKR Akron 97.5(QSL,7RW); WATF Akron 88.1(L/personal L,3PS); WFAH Alliance 92.5(L,3FS); WUUB Athens 91.3(L/jumper sticker,6JM,L/CM/bumper sticker,7RW); WHBC Canton 94.1(QSL,1FD); WLQA Cincinnati 98.5(L,7FD); WSAI Cincinnati 94.1(QSL,6FD); WCLV Cleveland(L/FL,6FD); WELW Cleveland 107.9(L,7RW);

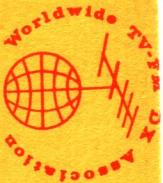


WCRF Cleveland 103.3(QSL/brochure/new QSL's ordered by stn,3PS); WBEA Elyria 107.3 (CM/\*,6PS); WFRO Fremont 99.1(Xerox of QSL,LPD,3PS); WKNT Kent 100.1(L,3PS); WMRN Marion 106.9(L/CM/brochure,7RW); WDBN Medina 94.9(L,6PS,6PD); WSOB Salem 105.1(L/CM, 3PS); WLQR Toledo 101.5(L,6PS); WKBN Youngstown 98.9(QSL/CM/unsigned,6PS); WYSU Youngstown 88.5(L/on-off times,LPD); WBZI Xenia 95.3(L,6PD). **OKLAHOMA**:KCSC Edmond 90.1(L,7AE); KOCO Lawton 98.1(L/comments on other DX rpts, 5PD); KFJL Oklahoma City 98.9(L,6RW); KCCY Oklahoma City 96.1(L/CM,5RW); KRBB Sallisaw 95.9(L,6BE); KOSU Stillwater 91.7(L/sked,2RL); KAKC Tulsa 92.9(L,2RL). **OREGON**:KXKL Portland 95.5(L/pen, 9JM); KSIM Salem 105.1(L,9JM). **PENNSYLVANIA**:WVFM Erie 99.9(L,6PS); WVEN Franklin 99.3 (L,7RW); WLAN Lancaster 96.9(L/CM/dial card,7RW); WPFL Montrose 96.5(L,7RW); KDKA Pittsburgh 92.9(Large QSL,9RW); WDVE Pittsburgh 102.5(QSL,6PS); WWSW Pittsburgh 94.5 (QSL,6PD); WYDD Pittsburgh 104.7(L/new QSL's ordered,6PS); WDFM State College 91.1 (L,7RW); WJPA Washington 95.3(L/CM/rate card,7RW). **SOUTH CAROLINA**:WOSC Charleston 96.9(L/rate card,5RW); WSPA Spartansurg 98.9(L/enclosures,3RW). **SOUTH DAKOTA**:KKLS Rapid City 93.3(L/bumper sticker/calling card,6PD). **TENNESSEE**:WDEF Chattanooga 92.3 (QSL,7RW); WDTN Chattanooga 89.7(L/sked/calling card,1RW,2RL); WKES Chattanooga 88.9 (L/sked,LPD,L,1RW,2RW); WSMC Collegedale 90.7(L/sked,LPD,L/CM/sked,3RW); WPTN Cookeville 94.3(L,7PD); WTJS Jackson 104.1(L,3RW); WKPT Kingsport 98.5(L,6PD); WBIR Knoxville 103.5(QSL,1RW); WJJM Lewisburg 94.3(L/brochure,6PD); WLOM Lookout Mountain 106.5(L/CM/rate card,3RW); WAID Memphis 104.5(L/sked,5RW); WHBQ Memphis 105.9(Post card/\*,LPD,L,1RW); WKNO Memphis 91.1(L/CM,6RW); WMC Memphis 99.7(L/QSL/enclosures, 1RW); WMOT Murfreesboro 89.5(L,3RW,L/sked/"stationery beautiful",2RL); WPLN Nashville 90.3(L,5RW); WFSX Nashville 97.9(L,3RW); WSM Nashville 95.5(QSL,1RW). **TEXAS**:KAMC Arlington 94.9(L,6BE,6RW); KHFI Austin 98.3(L,3RW); KOKE Austin 95.5(L,6BE); KUT Austin 90.7(L,6RW); KVET Austin 100.7(One-line verie,6RW); KJET Beaumont 107.5 (L,5PD); KTRM Beaumont 95.1(memo note,6RW); KIOU Corpus Christi 96.5(L,6BE,L/CM/ rate card,5RW); KIVY Crockett 92.7(L,6BE); KBOX Dallas 100.3(L,6BE,L/CM/promo sheet, 6RW); WFAA Dallas 97.9(QSL,2RL); KINL Eagle Pass 92.7(L/CM/rate card/profile,5RW,L, 6BE); KTEP El Paso 88.5(2 letters,7RW); KHCB Houston 105.7(L,5RW); KOOI Jacksonville 106.5(L,10RW); KPUP Kingsville 97.7(L/stickers,5RW); KIJT Lake Jackson 107.3(L,5RW); KNFM Midland 92.3(L,6BE); KNET New Braunfels 92.1(L,7RW); KCAW Fort Arthur 93.3(L, 2RL); KBER San Antonio 100.3(L/business card/decals/pen decal,9RW); KMFN San Antonio 96.1(L,7RW); KSYM San Antonio 90.3(L,6BE); KQXT San Antonio 101.9(L,6RW); KWED Seguin 105.3(L,6BE); KSHN Sherman 96.7(L signed Commodore R. Wood(1?),7RW); KGCC Sherman-Denison(L,7RW); KTOB Sinton-Corpus Christi 101.3(L/CM/flyers,3RW); KBVC Terrell Hills 106.3(L,7RW); KTAL Texarkana 98.1(L/CM,9RW); KTXN Victoria 98.7(L/SASE for more info on reception,5RW,L,6BE); KLWR Wichita Falls 99.9(L,6PD). **UTAH**:KBYU Provo 88.9(L/ sked/CM,6BE,L/sked/CM/cpy of Stu Grade's verie request/pictures/profile,7RW); KALL Salt Lake City 91.1(L,6PD); KCPX Salt Lake City 98.7(L/CM,7RW). **VIRGINIA**:WQMC Charlottsville 95.3(L,1OPD); WVEF Marion 93.9(L,7PD); WTVR Richmond 98.1(L,6PD). **WEST VIRGINIA**:WEMM Huntington 107.9(L,1OPD); WEFM Martinsburg 97.5(L/CM,7RW). **WISCONSIN**: WBEV Beaver Dam 95.3(L,LPD,7RW); WDMP Dodgeville 107.1(L,7PD); WERL Eagle River 94.3 (2L/CM/rate card,6PD,7RW); WEAU Eau Claire 104.5(memo/QM,7RW); WIAL Eau Claire 91.1 (L,6PD); WRLS Hayward 92.1(L,9RW); WHLA Holmen 90.3(L/CM/sked,7RW); WJVL Janesville 99.9(L,1GL); WLIP Kenosha 95.1(QSL,1GL); WSPL La Crosse 95.9(L,7RW); WHA Madison 88.7 (L/sked,7RW); WISM Madison 98.1(QSL unsigned,1GL); WKVB Manitowoc 92.1(L,7RW); WIGM Medford 99.3(L,7RW); WVMV Milwaukee 95.7(L,6PD); WNUW Milwaukee 99.1(L,1GL); WUWM Milwaukee 89.7(L frn Bruce Elving, stn mgr.,1GL); WROE Neenah 99.3(L,9RW); WMKC Oshkosh 96.7(L,1PD); WMBI Park Falls 98.3(L,7PD); WPRE Prairie du Chien 94.3(L,6PD); WOBT Rhinelander 107.9(L,7RW); WJMC Rice Lake 96.3(L,7RW,1OPD); WCLR Sauk City 96.7 (L/CM/rate card,7RW); WSPST Stevens Point 97.9(note,7PD); WRVM Suring 102.7(L/sked/ tract,7RW); WHRM Wausau 91.9(L,7RW); WIFC Wausau 95.5(QSL though WIFC not listed,7RW 7PD). **MANITOBA**:CKY Winnipeg 92.1(L,6JM). **ONTARIO**:CFPL London 95.9(L,6PS); CKQS Oshawa 94.9(L,6PS); CBO Ottawa 103.3(QSL,9JM); CFMO Ottawa(QSL/CM,6RW); CHSC St. Catharines 105.7(L/QSL/booklet,7RW); CJRT Toronto 91.1(L,6PS); CKFM Toronto 99.9(QSL, 3PS); CJOB Windsor 88.7(QSL,6PD,6PS); CKLW Windsor 93.9(QSL for AM,LPD). **MEXICO**: XHJL Guadalajara, Jal., Estereo Mundo 91.3(L,6RW); XHMA Guadalajara, Jal., Radio Latino 101.1(L,3RW); XHRO Guadalajara, Jal., Stereorey 95.5(L,3RW); XEX Mexico D.F. 101.7 (L,3RW); XENM Mexico D.F., Radio Maranatha Mexico 100.1(L,3RW); XHPB Veracruz, PB Estereo 99.7(L,6RW); XHTS Veracruz, Estereo Oro 102.9(L,6RW).

Contributors: Richard Wood, Baton Rouge LA; Fat Dyer, San Antonio, TX; Gerry Lukacik, Chicago IL; Joe Markewicz, Winnipeg MAN; Peter Sawatzky, Waterloo ONT; Ron LeBlanc, Marrero LA; Albert Ellis, Brantford ONT; and Shelby Remington, New Haven CT. **73.**



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P. O. BOX 163  
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