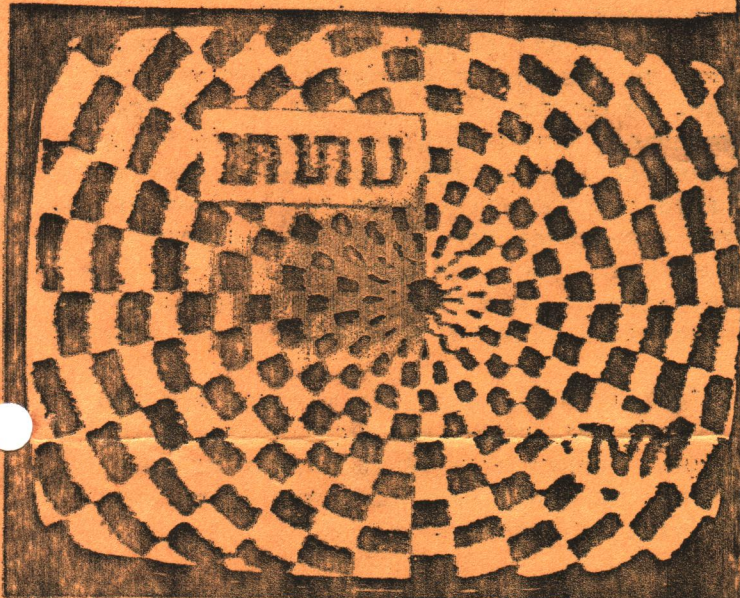


VHF-UHF DIGEST

October



DX-Thai Style



VHF-UHF DIGEST IS THE OFFICIAL MONTHLY PUBLICATION OF THE WTFDA:

WORLDWIDE TV-FM DX ASSOCIATION
P. O. Box 5001
MILWAUKEE, WIS. 53204

PUBLISHED THE END OF EACH MONTH AT HQ. ADDRESS ALL CORRESPONDENCE NOT FOR SPECIFIC EDITORS TO HQ.

MEMBERSHIP DUES: OUTSIDE N.A.:
\$4.50 ONE YEAR \$5/YEAR.
\$8.50 TWO YEARS

THESE RATES APPLICABLE IN USA, CANADA AND MEXICO WHEN REMITTED IN US FUNDS. OUTSIDE, USA, POSTAL OR INTERNATIONAL MONEY ORDER PREFERRED TO REGULAR CHECK.

FOR FIRST CLASS MAIL, ADD \$2/YR.

OVERSEAS EDITION:

5 MONTH SPECIAL: \$1.50
(GIVEN ONLY ONCE).

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SAMPLES: 50¢ ANYWHERE.

BACK-ISSUES: 50¢ EACH TO NON-MEMBERS; 35¢ EACH TO MEMBERS.
(JAN.70 ISSUE 50¢ TO ALL).

PLEASE SEND CHANGE OF ADDRESS IN SUFFICIENT TIME OR RISK LOSS OF YOUR VUD, WITH EXTRA CHARGE FOR A NEW ISSUE (BACK-ISSUE PRICES). IF YOUR VUD GOES THIRD CLASS, THE PO WILL DISPOSE OF IT IF YOU HAVE MOVED OUT OF TOWN. SOME ISSUES ARE RETURNED TO HQ AT EXTRA COST BUT THIS IS NOT RELIABLE SERVICE. THIRD CLASS IS NOT FORWARDED OUT OF TOWN BY PO REGULATIONS WITHOUT THE ADDED CHARGE.

SUFFICIENT TIME MAY BE DEFINED AS A COMBINATION OF SEVERAL VARIABLES ADDING UP TO A PERIOD OF ANYWHERE FROM ONE TO SIX WEEKS, DEPENDING ON YOUR DISTANCE FROM HQ, WHEN THE VUD IS MAILED. IF YOU ARE LIKELY TO BE MOVED OR IN TRANSIT WHEN YOUR VUD NORMALLY ARRIVES, WE SUGGEST YOU SEND HQ 20¢ TO MAIL THAT ONE ISSUE FIRST CLASS SO THAT IT WILL FOLLOW YOU.

WTFDA IS GOVERNED BY A HQ STAFF OF 5 DIRECTLY ENGAGED IN PUBLISHING, ETC. HEADED BY FERBINAND S. DOMBROWSKI, JR.

BACK-ISSUES CURRENTLY AVAILABLE: (PRICES AT LEFT):
AUGUST, 1969 NOVEMBER, 1969 TO DATE.

DONATIONS STILL ACCEPTED FOR THE ELECTRIC MIMEOGRAPH. HOPE YOU LIKE THE IMPROVED QUALITY IN RECENT MONTHS. DONATIONS NOW TOTAL OVER \$50; THE MIMEO COST \$150 PLUS \$4 TAX.

STAFF MEMBER BILL HEUSMANN HAS MOVED BACK TO DRAKE UNIVERSITY IN DES MOINES. HIS NEW ADDRESS IS IN THE CCI COLUMN THIS MONTH. HOPE THIS HASN'T CAUSED ANY INCONVENIENCE BECAUSE WE FORGOT TO PUBLISH THE NEW ADDRESS LAST MONTH. BILL MENTIONS THAT HE HAS SEEN KBMA-41 IN KANSAS CITY ALL EVENING SEPT. 18TH, TESTING WITH COLOR BARS.

SEPTEMBER WAS PERHAPS OUR SLOWEST MONTH IN 2 YEARS, AFTER AUGUST WHICH WAS OUR HIGHEST OF ALL TIME. HI AND LO REFER TO THE AMOUNT OF MONEY RECEIVED FROM ALL SOURCES. AS OF THE 27TH, WE HAVE YET TO REACH \$20 IN SEPTEMBER, COMPARED WITH \$125.06 IN AUGUST. MONTHLY EXPENSES AVERAGE \$50+ SO WE MUST TAKE A BIG BITE INTO OUR AUGUST SURPLUS TO PAY SEPT BILLS. THIS IS THE OFF-SEASON FOR DX AND CLUB INCOME AS WELL, BUT WE HAVE NO LARGE SURPLUSES THIS YEAR AS WE DID LAST YEAR AT THIS TIME, DUE TO THE MIMEO EXPENSE EARLIER THIS YEAR WHICH EXHAUSTED THE RESERVE.

BOB COOPER'S TECH NOTES HAS BEEN MISSING FOR TWO REASONS: THE AUGUST COLUMN WAS LOST IN THE MAIL, AND SUBSEQUENT ISSUES HAVE BEEN ABSENT BECAUSE BOB IS MOVING. WE DON'T HAVE WORD YET AS TO WHEN THE COLUMN WILL BE RESUMED.

AT NO EXPENSE TO THE CLUB, BUT GREAT CONVENIENCE, OUR MEMBERSHIP LIST IS NOW COMPUTERIZED. THIS ENABLES FREQUENT LISTINGS ON THE COMPUTER TO DETERMINE VARIOUS INFORMATION FOR HQ USE, AND IN THE LONG RUN WILL IMPROVE HQ EFFICIENCY SOMEWHAT AND ENABLE MORE FREQUENT PUBLICATION OF MEMBERSHIP LISTS FOR EVERYONE. SORTING IBM CARDS IN VARIOUS WAYS WE ARE ABLE TO HAVE LISTINGS ARRANGED BY DIFFERENT CLASSIFICATIONS AND HERE ARE SOME RESULTS; THE MID-SEPTEMBER LISTING SHOWS 163 MEMBERS, AND FURTHER BREAKS THEM DOWN IN THESE WAYS:

48 RECEIVE THEIR VUDS BY FIRST CLASS AND 2 MORE WILL BEGIN SO IN COMING MONTHS; THE REST ARE BY CONVENTIONAL THIRD CLASS, INCLUDING 5 OVERSEAS.

ACCORDING TO SOURCE OF MEMBERSHIP, HOW THE MEMBER FIRST HEARD OF WTFDA:

COMMUNICA. HANDBOOK	21½	RTVE	1	
THRU A MEMBER	17	TV GUIDE	10	
POP ELECTRONICS	4	NRC	4½	
AUDIO	3½	NNRC	2½	
	ATA	2	WRTVH	2

THE LIST IS BY NO MEANS COMPLETE BECAUSE ONLY ABOUT A THIRD INDICATED HOW THEY HEARD OF WTFDA. HALVES INDICATE A MEMBER INDICATED MORE THAN ONE SOURCE.

WE ALSO SORTED AND LISTED ALPHABETICALLY BY MEMBER NAME AND BY ZIP CODE WHICH ARE OF INTEREST MORE TO HQ OR TO MEMBERS WISHING TO KNOW IF OTHER MEMBERS ARE IN THEIR LOCAL AREAS.

GARY A. OLSON
1203 KENTON RD.
DEERFIELD, ILL. 60015

STATIONS OPERATING (AS OF AUG. 1, 1970)

UHF ETV 108
UHF Com 181
VHF ETV 83
VHF Com 510

FCC-TV

Total Authorized Stations On The Air 882

New Stations Reported On The Air:

- *KTSD-TV, ch. 10, Pierre, S.D., took the air August 1st
- *WKMJ (TV) ch. 68, Louisville, Ky., took the air Aug. 27th
- *WFYI (TV) ch. 20, Indianapolis, Ind., seen testing Sept. 19th

Stations Authorized to Start Operation:

- *VIIQ (TV) ch. 41, Demopolis, Ala., - authorized start Sept. 1970
- KAPP (TV) ch. 35, Yakima, Wash., authorized start Sept. 1970

New Target Dates Reported:

- *ch. 34, South Bend, Ind., mid 1971
- WXLTV, ch. 40, Sarasota, Fla., mid 1971 (ABC, 221 kw ERP)

Miscellaneous Changes:

- Cancel CP + Delete Call Letters-
KTLF (TV) ch. 22, Seattle, Wash.
- WMKE-TV, ch. 30, Milwaukee, Wis.
- KWIH (TV) ch. 44, Winona, Minn.

Construction Permits Reinstated-

- WBBU-TV, Buffalo, NY
- WGTC-TV, St. Paul, Minn.
- KHBC-TV, Denver, Colo
- KCTR-TV, Rochester, Minn.
- KIHP-TV, San Bernardino, Calif.
- KGSL-TV, St. Louis, Mo.
- KXO (TV), El Centro, Calif.

* Thanks to: *
* Paul Ciceri- *
* Windsor, Ont. *
* Morrie Goldman- *
* Chicago, Ill. *
* Dick Clark- *
* Ft. Lauderdale *
* Fla. *
* for sending info to *
* the column this *
* month. *

FCC COMPLETED ACTION:

New Grants:

- Columbia, Mo., ch. 17, (Ch. 17 Inc.) 226 kw.

Call Letter Changes:

- WKHM-TV, ch. 18, Jackson, Mich. WJLD-TV
- WLTW (TV) ch. 13, Bowling Green, Ky., WBKO (TV)
- KVET-TV, ch. 24, Austin, Tex., KVUE (TV)

New Call Letters Issued:

- *Boise, Idaho, ch. 4, KAID (TV)
- San Angelo, Tex., ch. 6, KBUK (TV)
- *Springfield, Mass., ch. 57, WGBY (TV)
- Traverse City, Mich., ch. 29, WGTU (TV)
- Battle Creek, Mich., ch. 41, WUHQ-TV
- Mt. Vernon, Ill., ch. 13, WIEW-TV
- Newark, NJ, ch. 68, WJRO (TV)

Other Changes Allowed:

- WBOY-TV, ch. 12, Clarksburg, W.Va., ERP to 129 kw.
- WAPT (TV) ch. 16, Jackson, Miss., to 794 kw.
- WUHM-TV, ch. 22, Mayaguez, P.R. ERP to 22.9 kw. - ant to 1020'
- KNTV (TV) ch. 11, San Jose, Calif., ERP to 24.1 kw.
- WHYN-TV, ch. 40, Springfield, Mass., ERP to 3680 kw.
- WJHL-TV, ch. 11, Johnson City, Tenn., ERP to 245 kw. - ant. 2320'
- WLEX-TV, ch. 18, Lexington, Ky., ERP to 363 kw. - ant. 1650'
- WRFT-TV, ch. 27, Roanoke, Va., ERP to 251 kw. - ant to 2010'
- WTVG (TV) ch. 14, Joliet, Ill. - given OK to switch to ch. 66

ACTION APPLIED FOR OR REQUESTED

Applications For New Stations:

- Orlando, Fla., ch. 35 (Sun World) 355 kw.

DX MAILBAG

Your monthly mailbag did not quite make it to the publishers desk last month, so ye editor has much news to convey to the membership.

First a look at some of the new blood in the ranks. Those joining WTFDA recently include:

- Jim White, 1000 S. Grand Ave., Waukesha, Wis. 53186
- Michael Luna, 618 Seventh St., Paso Robles, Calif. 93446
- W.M. Beckett, P.O. Box 155, Iraan, Texas 79744
- James Hayes, 9 Henry St., Wilkes Barre, Pa. 18702
- David Egan, 12a Andrew, Valleyfield, Quebec, Canada
- Reno E. Kirschmer, 116 E. Oak St., Villa Park, Ill. 60181
- Walter M. Keepers Jr., 6341 Glenloch St., Philadelphia, Pa.
- Raymond C. Boyd, 1060 N.W. 70th Pl., RR2, Ankeny, Ia. 50021
- R.J. Daniels, 3125 Somerset Dr., Shaker Hts., Ohio 44122
- Frank De Santis, 5 Cross St., Port Washington, NY 11050
- C.M. Stanbury II, Box 218, Crystal Beach, Ontario, Canada

Renewals include:

- | | | |
|-----------------------|---------------|---------------------|
| Dave Shapiro | Herb Campbell | R. Barth - 2 yrs. |
| Mitch Donock | Stan Savage | Don Ruland - 2 yrs. |
| Thomas Leu | Jerry Pulice | John Ruffilo |
| J.E. Ebeling - 2 yrs. | Dave Bright | R. Grace - 2 yrs. |
| R. Gravelle | Joe Fela | D. Donaghue |

Along the trail we have some new addresses. Dave Hansen reports he has moved to his new "castle on the hill" at Rte. 2, Fall Creek, Wisconsin. Richard Barth is now at 225 E. Bradford, Cedar Grove, NJ. Joe Kureth checks in at Box 572, Southern Pines, NC.

Many thanks go out to Rog Winsor and John Ramsey who have boosted our membership with their efforts. Both of these fellows have helped "get the word around" about WTFDA, thus we have several additional members.

Another member of the Louisiana clan sends us a summary of his DX activities. Ron Le Blanc of Marrero, La., says he is entering his third year of TV DXing. Results to date are over 100 loggings - most of which have been successfully photographed (on a polaroid swinger!). Ron would welcome any communication from those of you who would like to correspond.

Al Kopec sends some technical news of interest. He says, "I can now personally attest to the value of VP (vertical polarized) dipoles for DXing E-skip through locals...I finally got around to constructing a set of stacked three wire dipoles for ch. 4, which I mounted vertically about 15 feet above ground. The difference is truly amazing! ...I added two new ch. 3 stations through local ch. 3 in Syracuse".

A most welcome addition to WTFDA is C.M. Stanbury II. Stan is of course well noted for his monthly columns and feature articles in various electronic publications read throughout the world. CMS II says he has, for the first time, been concentrating on UHF this past summer, with some good results. Here's hoping we hear from you often Stan!

Dave Ronecker is a hobbyist who can't really DX on TV but gets in plenty of time at the FM dials. Dave is unfortunately unable to see, thus his many years of DXing (dating back to 1928) have been at the radio dials. FM DX is just about his #1 interest although the San Antonio area has been adding so many locals that it has been making listening a real challenge. Dave's a ham too -- his call is W5A1V.

That's it for this time around. Hope to hear from all of you members - both old and new - in the coming weeks!

STATISTICS

Glenn Hauser, editor
 Box 1466
 APO San Francisco 96288
 (through October) OCT 1970

CHANNEL 6 MS DX RECORDS

Call	Location	miles	DXer, Location	Comments
WBRC	Birmingham AL	785	Norm Erint, Kenmore NY	
		tie	Dave Nieman, Buffalo NY	
WDBO	Orlando FL	1145	Bill Draeb, Kewaunee WI	
WCTV	Tallahassee FL	995	John Cody, Middletown CT	
WFBM	Indianapolis IN	940	Ghislain Girard, Arvida PQ	
WOC	Davenport IA	725	Larry Vogt, Springfield VA	
KTVC	Ensign KS	1635	Ghislain Girard, Arvida PQ	
WPSD	Paducah KY	910	John Cody, Middletown CT	
WDSU	New Orleans LA	1085	King Schafer, Kenmore NY	
		tie	Richard Nieman, Buffalo NY	
WCSH	Portland ME	415	Richard Nieman, Buffalo NY	
KMMT	Austin MN	705	Richard Nieman, Buffalo NY	now KAUS
WDSM	Duluth MN	1000	Clarence Day, Westerly RI	
KHPL	Hayes Center NE	965	Jim Grover, Crossfield Alta	
WOW	Omaha NE	1400	Carlton Howington, Homestead FL	
WECT	Wilmington NC	1075	Edwin Shorey, Derby KS	also as WMFD
WDAY	Fargo ND	725	Glenn Hauser, Enid OK	
WTVN	Columbus OH	795	Ed Bourgeois, Norco LA	
KOTV	Tulsa OK	1015	King Schafer & Norm Erint, Kenmore NY	
		tie	William Nieman, Buffalo NY	
KOIN	Portland OR	975	Bill Fulton, Yuma AZ	
WPIL	Philadelphia PA	1090	Ed Bourgeois, Norco LA	
WJBF	Augusta GA (SC)	1170	Ghislain Girard, Arvida PQ	
WATE	Knoxville TN	550	Richard & David Nieman, Buffalo NY	
KFDM	Beaumont TX	1050	Bill Draeb, Kewaunee WI	
KRIS	Corpus Christi TX	1095	Bill Heusmann, Steger IL	
KCMC	Texarkana TX	1005	Robert Seybold, Dunkirk NY	now KTAL (LA)
WTVR	Richmond VA	705	Bill Draeb, Kewaunee WI	
WHIS	Bluefield WV (VA)	870	Edwin Shorey, Derby KS	

CORRECTIONS TO SEPTEMBER ISSUE

4	WCIV	Charleston SC	1135	Glen Neal, Sayre OK	not 1210
40	KLUB	Dubuque IA	205	Bill Draeb, Kewaunee WI	not Seybold 405 new
62	WBLG	Lexington KY	470	Bill Draeb, Kewaunee WI	not new Seybold 405

Dennis Smith, Wasco CA, in FM RANK, should have been credited with 1 FM country, not 0!

TV RANK

DXer, Location	Stations	States	Provinces	Countries	As of date
Roger Brown, East Lansing MI	243	37	6	4	20 July
Frank Wheeler, Erie PA	228	32+DC	9	3	26 August
Harold Cooper, Westland MI	180	27	1	3	9 August
Jerry Pulice, Staten Island NY	144	33	3	3	29 June
Dennis Smith, Wasco CA	140	25	3	3	24 August
Pat Dyer, San Antonio TX	124	33	2	5	31 August
Ron LeBlanc, Marrero LA	123	29	?	6	1 August
Leslie Prus, Manhattan KS	105	26+DC	4	4	1 September
Fred Nordquist, Syracuse NY	91	17	2	2	19 July
John Shannon, Kittanning PA	69	22	2	3	6 July
Dennis Smith, Little Creek VA	69	18+DC	3	3	24 August
Dennis Smith, Santa Barbara CA	34	4	0	2	24 August
Glenn Hauser, Nakornrajasima Thai	15	0	0	6	15 September

Next month: FM rank, deadline 15 October.

Our apologies to those who have sent in FM record info which has not yet been used, particularly John Ebeling, Dennis Smith and Carlon Howington. Our impending return to the USA should remove obstacles to compiling FM distance records, at last. Next month, we'll publish a revised channel 3 skip DX record list (actually just compiling previously published revisions into one list). In December we plan to have a go at international DX records (excluding those western hemisphere ones already covered).

ADDITIONS AND REVISIONS

2	WPBT	Miami FL		1305	Leslie Prus, Manhattan KS share	WTHS King 1280
	KCKT	Garden City KS	T	650	Robert Weems, State College MS	Godwin 275
	KLRJ	Henderson NV	T	270	Robert Cooper, Fresno CA	new
	WCBS	New York NY	MS	1185	Leslie Prus, Manhattan KS	Olson 735
	WLWD	Dayton OH	T	435	Jerry Easter, Vinton IA	Draeb 370
	KVOO	Tulsa OK	T	465	Ed Sparks, Odessa TX	Foster 340
	WBAY	Green Bay WI	T	760	John Betterworth, Starkville MS	McCormack 695
3	KEYT	Santa Barbara CA	T	270	Stauduhar, Walnut Creek CA	TIE Cooper 270
	KMTV	Omaha NE	T	705	Richard Lowry, Temple TX	von Gunten 570
	KFDX	Wichita Falls TX	T	560	Robert Weems, State College MS	Grace 230
	CKSO1	Elliot Lake Ont	T	320	Robert Seybold, Dunkirk NY	Draeb 270
4	WBRC	Birmingham AL		1100	Laurence Pickerell, Longmont CO	Olberg 1080
	KGNC	Amarillo TX	MS	1100	Harold Cooper, Westland MI	Draeb & Roller 980
	KDFW	Dallas TX	MS	995	Harold Cooper, Westland MI	Draeb 960
	WAPA	San Juan PR	2E	2260	Robert Cooper, Oklahoma City OK	Olson 2115
5	KPHO	Phoenix AZ	2E	2235	Clarence Day, Westerly RI	Seybold 1865
	WHDH	Boston MA		1330	Ed Rugel, Independence KS	Cox 1100
6	WDSU	New Orleans LA	T	740	Ed Sparks, Odessa TX	Howington 660
	XETV	Tijuana BCN	2E	2145	Robert Seybold, Dunkirk NY	Brown 1370
7	KABC	Los Angeles CA	Es	1220	Richard Lowry, Temple TX	new
	WEMT	Bangor ME		230	Gene DeLorenzo, Hyannis MA	Sundstrom 45
	WXYZ	Detroit MI		745	Ed Rugel, Independence KS	Bingham 470
	XELD	Tampico Tams		970	Robert Weems, State College MS	new
8	WNHC	New Haven CT	MS	510	Frank Hill, Gallipolis OH	new
	KTVX	Muskogee OK		255	Startzman, Bennington KS	new
	KTVX	Muskogee OK	MS	970	Bob Seybold, Dunkirk NY	new
	WFAA	Dallas TX		1205	King Schafer, Kenmore NY	Seybold 1165
9	KETC	Saint Louis MO		440	Jim Brown, Jackson MS	Janowiak 325
	KRBC	Abilene TX		640	Robert Weems, State College MS	Bourgeois 575
11	WBAL	Baltimore MD		645	Carl Lupton, Shelbyville IL	Gould 505
	WHAS	Louisville KY	MS	560	Robert Cooper, Ithaca NY	new
12	WDEL	Wilmington DE		765	Sam Brooks, Boston GA	Seybold 270
13	WQED	Pittsburgh PA		650	Jerry Easter/Dee, Waterloo IA	Dombrowski 470
	WBTW	Florence SC		720	Gene DeLorenzo, Hyannis MA	Kadet 245
19	WXIX	Milwaukee WI		525	King Schafer, Kenmore NY	Sowers 410
20	WPAG	Ann Arbor MI		415	Don Voegele, Lancaster PA	Collins 250
21	WLW	Garden City NY		150	Bill Grant, Worcester MA	new
23	WAJA	Miami FL		10	Dick Clark, Fort Lauderdale FL	new
	WCVE	Richmond VA		290	Paul Luchter, Oceanside NY	Fulice 270
25	KTVQ	Oklahoma City OK		235	Richard Lowry, Temple TX	Hauser 5
32	KTVE	El Dorado AR		240	Richard Lowry, Temple TX	new
36	KTVI	Saint Louis MO		95	Carl Lupton, Shelbyville IL	new
43	WLEK	Peoria IL		565	King Schafer, Kenmore NY	TIE Collins & Nieman
52	WSJV	South Bend IN		355	Robert Seybold, Dunkirk NY	Draeb 210
53	WPGH	Pittsburgh PA		650	Jerry Dee, Waterloo IA	Pomeroy 290
57	WKNX	Saginaw MI		450	Don Voegele, Lancaster PA	Bay 325

Thanks to Bill Heusmann who is responsible for locating most of these old records which originally appeared in AIPA. Note that unless otherwise specified, lowband records are Es and highband/UHF records are tropo--as far as we know. The process of revision and refinement is endless. However, once all the AIPA bulletins have been gone through, we shall have passed a formidable milestone.

Until the next, 73 de Glenn

PART V: PADS & ATTENUATORS
BUY 'EM, BUILD 'EM

BUY 'EM

To my knowledge, the only 300 ohm attenuator now available is the JFD AS-5, a 3-way type (1970 Allied, page 401). This bat-handle device allows you to select 0, 15 db, and 25 db of attenuation. Insertion loss in the 0 position is negligible, no more than you get with conventional 300 and 72 ohm connectors. Cost is about \$4.

This attenuator has two drawbacks, however: Attenuation values too high for some applications and possible poor contact. You can easily remove the 1/4 watt resistors that form the H-pads and add resistors for the value of attenuation you need (see Table). For example, you might need only 3 or 6 db of attenuation to reduce cross-modulation (CM) in your FM system, so why use 15 db.

The contact problem is another matter. This might be no problem unless you use this attenuator a lot.

Several 72 ohm attenuators are available. Radio Masters lists several, and most MATV/CATV suppliers offer them. Costs vary from a few dollars to several dollars, depending upon range, steps of attenuation, construction, etc. Typically, you can get a 3-slide switch attenuator with 3, 6, and 12 db positions for under \$10 new. With this you can select 3, 6, 9, 12, 15, 18, and 21 db of attenuation, depending upon what sections are "in-the-line".

Don't think that just because they're CATV or MATV these devices will work better than commercial types. Both Bob Cooper and I have noted poor contact on some MATV/CATV slide-switch types.

Professional, multi-switch types are more expensive. However, you might try surplus stores, hamfests, etc. Some DXers have gotten professional types for a few dollars. If possible, try to get devices with connectors that match your equipment (BNC, UHF, F-fitting) if you have a 72 ohm system with preamps, traps, patch system, etc.

BUILD 'EM

Anyone with an average-sized "junkbox" should be able to build a few pads easily. All you need is enough of the correct sized resistors.

Figure 1 shows common circuits used for 72 and 300 ohm type pads. Enclosed Tables 1 and 2 give resistor values for attenuation desired. Wattage values are unimportant in receiving work; 1/4 to 2 watt are fine, whatever you have or can get the cheapest. Resistor tolerances effect results, of course, but for your less than critical needs, 20% resistors should be OK.

TABLE 1. RESISTOR VALUES
FOR 72 OHM LINE

ATT. IN DB	R ₁	R ₂
3	27	430
6	56	220
9	91	160
12	130	120
15	200	110
18	300	91
21	430	91
24	560	82

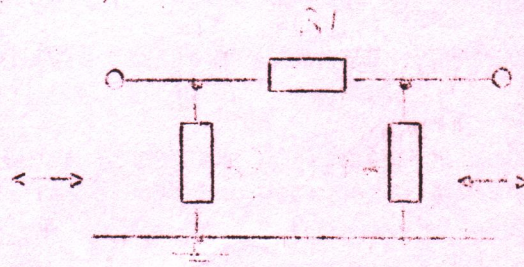


FIGURE 1. PAD FOR
72 OHM LINE

TABLE 2. RESISTOR VALUES FOR 300 OHM LINE

ATT. IN DB	RA	RB
3	56	1600
6	110	910
9	180	620
12	270	510
15	390	430
18	560	390
21	820	360
24	1200	330

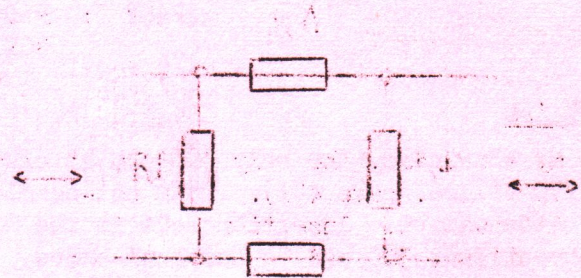


FIGURE 2. PAD FOR 300 OHM LINE

A typical, home-brew 300-ohm type of pad is illustrated in Figure 3. Nonconducting circuit board can be used, or vector boards, etc. Spacing at input/output should be close to actual T-line conductor spacing. Short lengths of T-line and antenna clips allow rapid insertion and removal. Antenna clips aren't the best method, but who cares if you add 0.5 db loss to a 12 db pad by using clips.

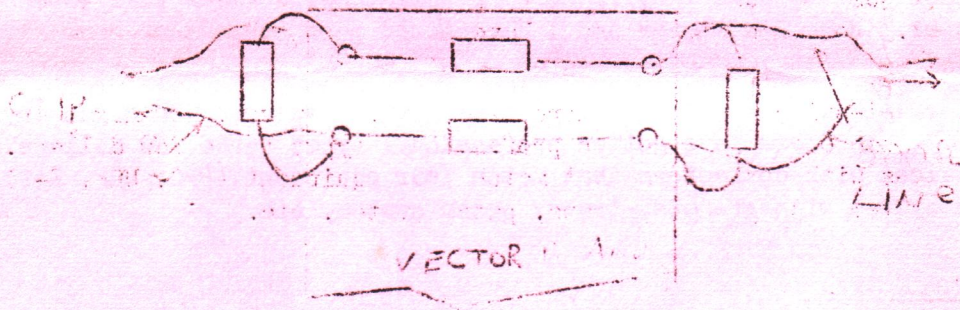


FIGURE 3: 300 OHM PAD LAYOUT

I have used two or three 300 ohm pads in a row on a vector board for FM DXing, connecting to the lowest value of attenuation needed to remove CM on some frequencies when I aim at my "friends" the Milwaukee locals. The clip method is a bit clumsy, but I use the pads so seldom it doesn't matter.

The 72 ohm types should be mounted in small metal boxes, making sure you have good shielding, symmetry, etc. Use your favorite 72 ohm connector. Since 72 ohm type involves a little more expense and care in building, you might elect to purchase instead of build.

Next, PART VI: DIPOLES AND FOLDED DIPOLES

OOPS

Last month, I referred to the MOSFET as metal oxide silicon field effect transistor. This was incorrect, of course, and should have read metal oxide semiconductor field effect transistor.

73's

Dave

VHF DX

Pat Dyer
327 Solar Drive
San Antonio, Texas 78227
Deadline: 15th of month

OCTOBER 1970

It appears that at last I'm getting some reports to the column. I hope that it will continue. So, without any further ado:

Hank Holbrook, 7211 Chestnut Street, Chevy Chase, MD 20015 has some more DX from his Fair Haven, MD cottage. Regency DR-200 with 19-inch vertical for hi-band, 8' for low; Regency AR-136 10-el FM Yagi & rotor. Only QSLed stations reported, GMT used.

June

21: 0112, GPZA 157.3 Annapolis, MD (BUCCLEUCH, bulk car., 20 w)
30: 0817, KJE 545 173.375 Washington, DC (Washington Post)

July

3: 0020, WX-6259 157.3 Whitehall Ck, MD (MISTRESS, 40' Ketch, 25 w)
5: 0403, KEAG 156.90 Chesapeake Bay (ESSO CHESTER, tanker)
11: 0918, KGC 223 43.22 Philadelphia, PA (350 w)
1352, KAA 609 42.58 Cedar Falls, IA (Dpt of Pub Safety, 3 kw)
18: 0349, NMK 157.1 Cape May, NJ (USCG)
2054, KAB 435 42.82 Rochester, MN (Dpt of Pub Safety, 330 w)
2206, KAA 974 42.58 Maqueketa, IA (Dpt of Pub Safety, 3 kw)
2207, KAA 970 42.58 Des Moines, IA (Dpt of Pub Safety, 3 kw)
2337, KAB 308 42.46 Lincoln, NB (state patrol, 3 kw)
19: 2300, KGB 419 156.21 Severna Pk, MD (Anne Arundel cnty police)
20: 1047, KEA 693 161.90 New York, NY (NY Marine Op, 600w, 500' ant)
22: 1634, KGG 518 44.56 Washington, DC (DC Transit, 500w, 280' ant)
23: 2158, KGB 788 166.925 Washington, DC (US Park Police, 300 w)
27: 1157, KIC 338 154.13 Arlington, VA (fire, 150 w)
30: 1000, KEB 257 154.19 New York, NY (Richmond fire, 350 w)-

Dennis Park Smith has been doing some traveling around California lately and making good use of his new Allied A-2586.

San Francisco, 43-MHz voice pager
Oakland, 35-MHz tone pager, ID every 30-min
Sacramento, 35-MHz voice pager, 'Electro-Page'
Stockton, 35.58-MHz voice pager, KMD 377
Fresno, 35.22-MHz voice pager, KMD 342
Bakersfield, 35.58-MHz tone pager
Long Beach, 35.58-MHz voice pager
?, 35.22-MHz tone-voice pager, maybe in Ventura-Oxnard area
Santa Barbara, 35.22-MHz tone-voice pager, KUA 300, 30-min ID's

Dennis also noted numerous unidentified tone pagers from the Los Angeles-San Diego area. Reception in north CA ranged from 50 to 125 mile trop. A strange 4-kHz tone near 50 MHz noted during the day may have been something of Stanford. Much 40-MHz repeater activity (most likely military) in all parts of the state, FM voice and RTTY. Some faint 35-MHz skip was noted but no ID's. Many 35-MHz region mobile telephone stations were picked up. They simply ID by giving the city at the conclusion of a call, e.g., 'Oakland off'.

Dennis finds that the tone pagers use tones resembling sine waves (or sometimes approaching what sound like square waves). KUA 300 uses a two-tone pattern instead of the usual three.

Ferdinand Dombrowski, 1311 West Madison, Apt. 11, Milwaukee, WI 53204 is back with some DX. Times are in CDST.

<u>Jul 15:</u> 1840, Wilkes-Barre KGC 223 Scranton	<u>Jul 18:</u> 1935, KIG 300 KIF 653 KIY 508
<u>Jul 16:</u> 2010, KIY 508 K-- 345	<u>Jul 19:</u> 1000, KCC 482 KIY 508
<u>Jul 18:</u> 1645, Oklahoma City	KGA 804

On his convention travels, Ferdie noted that Detroit might still be active with pagers on 35.58 and 43.58. At Dunkirk Es from KIY 508 and Oklahoma City was picked up.

My turn now. Allied A-2586 with its built-in whip and 30-feet of indoor random wire. Es unless noted otherwise. CST used.

<u>Aug 18:</u> 0725, KIY 508 0755, KIE 367 0800, KIN 645	<u>Sep 1:</u> 0850, KIY 508 0925, KIE 367 0935, KIN 645
<u>Aug 19:</u> 1920, KIM 905 1925, KIF 650	1755, KIF 650 1910, KQC 881
<u>Aug 22:</u> 0150, KMA 829 1725, WWA 335 (F2)	2010, KSC 644 2130, KIM 905
<u>Aug 23:</u> 0610, KIY 508 2115, KIM 905	2225, Oklahoma City 2240, KIG 300
<u>Aug 24:</u> 0925, KFJ 921 2130, KSC 645 2245, KIM 905	<u>Sep 2:</u> 0005, KFL 936 0010, KIN 645 0130, KSC 864
<u>Aug 25:</u> 2050, KSC 645 2152, KAI 927	1540, WWA 335 (F2)
<u>Aug 26:</u> 2130, KSC 645 2330, KIM 905 2340, KIF 650	<u>Sep 4:</u> 1450, WWA 335 (F2) 1850, KUA 217 (F2) 1950, KOE 257
<u>Aug 27:</u> 0000, KIF 650 KIG 300	<u>Sep 5:</u> 1850, KUA 217 (F2)
<u>Aug 31:</u> 2030, KIM 905 2040, KIF 650 2135, KIY 508 2140, KIQ 999	<u>Sep 6:</u> 1720, WWA 335 (F2) <u>Sep 7:</u> 1230, WWA 335 (F2) <u>Sep 8:</u> 1155, WWA 335 (F2) 1735, KUA 217 (F2)

While in Boulder, CO Aug 27-28 for an ESSA-ITS conference on Es, I noted that KAI 927 was a nearby local. That takes care of one of those A2 tone pagers that I mentioned in the last column.

KAI 927	35.58	Colorado	KOE 257	43.58	Phoenix, AZ
KCC 482	35.22	Concord, NH	KQC 881	43.58	Cleveland, OH
KGA 804	43.58	Philadelphia, PA	KSC 644	43.58	Chicago, IL
KGC 223	35.22	"	KSC 645	35.58	"
KIE 367	43.58	Miami, FL	KSC 864	35.58	Peoria, IL
KIF 650	35.58	Birmingham, AL	KUA 217	35.58	Honolulu, HA
KIF 653	43.58	Memphis, TN	WWA 335	35.22	San Juan, PR
KIG 300	43.58	Atlanta, GA	-	35.58	OK City, OK
KIM 905	35.22	Charlotte, NC	-	35.58	Scranton, PA
KIN 645	35.22	Miami, FL	-	35.22	Wilkes-Barre, PA
KIY 508	35.22	Orlando, FL	K-- 345	35.5	Vicksburg, MS
KMA 829	35.58	California			(mobile-phone)

Roger W. Brown 2-6
624 Evergreen Avenue
East Lansing, Mich. 48823
Next Deadline: September 15

October 1970

FOR TV-DX ENTHUSIASTS AND REPORTERS IN WI, IL, IN, MI, OH, PA: AND EASTERN CANADA

Except for a couple of good catches, this column was going to reflect a so-so month in a mediocre season. Then...BOOM!!! Finally, a very good tropo opening and we have to change our tune! Since deadline at headquarters is the 20th and I'm writing this the 17th, I'm basing my excitement on my own observations. However, if last night was typical of conditions across this reporting area....there were some happy DXers from the Midwest to the East Coast!

With eighty-two stations logged here in about 12 hours...including 50 U's....from late yesterday p.m. to this morning....I'm stifling yawns and catching a ragged breath. Stations seen here included WCDC-19, Mass. at about 600....WXTV-41 and WOR-9, NYC at 575, WTAJ-29 and WCAU-10, Philly. at 525 and so on.

The August-September period wasn't all that bad...at least to several of the lucky and patient. More comments follow the last report. Read on, if you please...!

Joel Rosenberg, 47 Pannahill Road, Downsview, Ont. Canada (EDST)

- 8-10 Tr 2300 Akron, Cleveland Us
- 8-19 Es 1900 WBRZ-2 Baton Rouge, KATC-3 Lafayette
- 8-21 New arnt set-up in use. Delhi 2-13, 5ft dish at 50 feet!
- 8-22 Tr 0825 WNBF-12 Binghamton
- 8-24 Es 0800 Weak skip to ch 5, no ids.
- 8-25 0737 Tr WJIM-6 Lansing, 0815
2200 WNEM-5 Bay City.
Us in to Detroit, Bay City, Toledo
- 8-26 Tr 0730 WTOL-11, WSPD-13, Toledo
WJRT-12 Flint.
- 8-27 Tr 0800 WJBK-2 Detroit, 0815
WKZO-3 Kalamazoo
- 8-29 Tr 2315 WCIU-26, WFLD-32, WSJV-28,
WSBT-22, WNDU-16, WOOD-8,
WSNS-44, all SV Mich.,
NW Indiana and Chicago!
Reception included Un-id 18 at 0010 29 Aug which could be WLFJ-18 Lafayette.
- 8-31 2350 WFLD-32 Chicago (stumbled across this on an otherwise dead band.)

(Nice month Joel. Getting some altitude does help, doesn't it! Glad you saw my effort on WJRT! RHB)

Ferdie Dambrowski, Apt 11, 1311 W. Madison, Milwaukee, Wi. 53204 (CDST)

- 8-10 Tr 2300 mediocre tropo to Ind., Ill, Wisc.
- 8-11 Tr improved to WKBT-8, WDHO-24 Wisc, and Ohio, in AM.
- 8-18 Tr same as on 8-11 at 0600 plus
- 8-19 Tr 0700 Same as 8-18 plus tent WKEF-22 (that's probably it Ferdie...they sign off at about 2330), Cleveland, Wingham on 8.

9-5 Tr in evening...Michigan,
So Bend excellent
plus KWWL-7 Iowa CCI

9-6 Tr CCI from W. Ohio

9-7,8 same including WKAR-23 Akron, and Indy,
LaCrosse, etc.

9-1 Tr 0030 WQAD-8 Moline weak.

9-9 Tr 0550 WFBM-6, Indy; WTHI-10 Terre
Haute, then Eastern Iowa,
W. Ill. to KRNT-8 Des Moines.
Subsequent heavy weather tore
up tropo.

(Hope you "stayed up" last night Ferdie and caught some of the goodies. It's about
time, eh? RHB)

John Parillo, 400 Market St., Girard, Ohio 44420 (EDST)

8-4 Es 1559 KMID-2 Midland, Tx
1630 KFDX-3 Wichita Falls

8-5 Es 0959 KPRC-2 Houston, Tx
1047 KTBS-3 Shreveport, La

8-9 Es 1928 KDIX-2 Dickinson, ND

8-12 Tr 0957 WANE-15 Ft. Wayne, In

Es 1418 CBWFT-3 Winnipeg, Man.

8-15 Tr 0950 WANE-15 again

Es 2029 KNOP-2 North Platte

(John notes...as do most...disappointment with a bad season. His report reflects well
the waning Es season. Can't wait 'til next spring! RHB)

Jim Hayes, 9 Henry Street, Wilkes Barre, Pa. 18702 (EDST)

8-10 Es 1500 CBWFT-3 Winnipeg;
1830 CBHT-3 Halifax, NS
1855 CJON+6 St. John's, Nfld.

8-12 Es 1130 WCIX-6 Miami; WESH-2 Day. Bch.
1350 KDLO-3 Garden City, SD,
1400 KHTL-4 Superior, KTIV-4 tent.

8-13 Tr 0455 WSKG-46 Binghamton

8-14 Tr 1000 WENR-40; 1030 WBJA-34

8-19 Es 1600 KVCO-2 Tulsa, WKY-4 OKC,
KYTV-3 Springfield; 1630 WMT-2
Cedar Rapids; KQIV-2 St. Joseph;
1900 KETS-2 Little Rock; 1930
KTBS-3 Shreveport.

8-22 Tr 1030 WFBG-10 Altoona

8-24 Es 0930-1000 WBRZ-2, KATC-3,
KJAC-4.

9-8 Tr 2200 WNEW-5 NYC

(Jim's first report to this column. He's 17 and has been DXing for two years with a
RCA portable and home brew antenna....with good results! His log totals 41 now. Sorry
I can't reproduce the long report he forwarded but am certainly pleased to welcome his
presence herein! RHB)

Rod Louma, 15437 Asbury Park, Detroit, Mi. 48227 (EST)

8-12 Tr 0515 to Pittsburgh, Wheeling
Stuebenville.

8-26 Tr 0930 South Bend Us with WNDU
much better since adding power.

8-28 Tr 2130 KPLR-11 St. Louis
plus Indy, No. Indiana
Chicago, Rockford

8-27 Tr 0505 to Buffalo, etc.
2240 WJJY-14 Jacksonville, Il (415)
WAND-17 Decatur, Il (350)
KTTS-10 Springfield, Mo.(610)
(good tropo night all across
area, great catch noted but DX
only along narrow corridor!)

8-29 Tr 2000 Chicago, So. Bend,
Youngstown Us.

9-3 Tr 0520 WLWT-5 Cincinnati, WTTV-4 Indy.

(Rod now on early am shift at WJBK-2. Catches DX with very early morning Corn Flakes. Noted....as others did...very little from annual BIG Perseids shower. That KTTS is a dandy Rod. Now....can't you leave that Xmttr off for just a LITTLE while longer in the morning???? RHB)

Bill Draeb, Ellis St. RR #2, Kewaunee, WI 54216 (CDST)

(Due to the length of Bill's report, I can't reproduce all of his "usual" stuff.... but Cincinnati, Indianapolis, Columbus, Terre Haute, Ft. Wayne, Bay City, etc. are in on Bill's hill nearly every day. By the way, he's still DXing with a near dead-and-buried 1959 Zenith, and old, old BTU-2S. RHB)

- | | |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8-11 Tr 0525 WSTV-9 plus others. | 9-1 Tr same as above plus WKPC-15,
WLKY-32, WKSO-29 after 2000. |
| 8-12 Tr 2200 WUSI-16 and many more | |
| 8-13 Tr 0545 to Erie's WICU-12 | 9-2 Tr 0545 CFTO-9 Toronto, Ont.
0555 <u>WABC-7 NYC</u> (740 miles!!!) |
| 8-14 Tr 2145 KMEG-14 (462), KFVD-21,
KTIV-4 (462), KCAU-9 (tent.) | 9-3,4 Tr to Wheeling, etc. |
| 8-18 Tr WHAS-11 Ky and others. | 9-5 Tr again to usuals plus at 0625,
KETV-7, Omaha at 481 miles. |
| 8-19 Es to SE incl <u>WUND-2 N.C.</u> at 1620 | 9-6 Tr to usual incl WMA-35 |
| 8-20 Tr WTRF-7, WSTV-9 and others. | 9-7 Tr after 1700 to SE incl at 2022,
WMUB-14, 2033 WKPC-15, 2100 WLKY-32
2118 WKMR-38, WCET-48 Cincy, 2129
WKYT-27, 2133 <u>WKON-52 Owenton, Ky,</u>
2203 WBLG-62. |
| 8-21 Kentucky, Eastern Ohio, St. Louis,
Olney, etc. in evening. | |
| 8-24 More as above...!!! | |
| 8-28 Tr early am...Des Moines to Erie! | 9-9 Tr many of the same plus at 1225,
WMUL-33, W. Va. at 498 miles
and tentative <u>WNEP-16</u> at 1831. |
| 8-29 Tr same plus tent. CHEX-12 at 0550 | |
| 8-31 Tr early am...from Souix Falls, SD
to Stuebenville! (KELO-11 Tent.)
South to St. Louis | |

(Good grief William! Some nice ones in there, especially WABC-7! I'm kind of worried about your report next month. Don't wear out your typing fingers! RHB)

David Egan, 12A Andrew, Valleyfield, Que. Can (EDST)

(Dave...another new reporter to the column....is 16, and has DXed for 3 1/2 years. His report includes many from July which I won't reproduce due to lack of time and space. However...he did get ahold of some good ones during the good opening of 7-2... with Detroit noted at 500 miles plus. Also noted tent. WLUK-11 during the month. Nice! Welcome Dave! RHB)

Gary Olson, 1203 Kenton Rd, Deerfield, IL 60015 (CDST)

- | | |
|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 8-16 Tr in am, good to 300 miles | 8-28 Tr in evening...Mich, including Detroit,
Bay City, Mt. Pleasant.
WIHO-24, WGTE-30 and KIUB-40. |
| 8-27 Tr 0745 WKBT-8, KROC-10
WEAU-13, tent. WXON-19 at
0800.
2200 <u>WGTE-30 Toledo</u> , WICS-20 | (Gary says that this is STILL a bad DX year as
he sees it, with Tropo way down. I'll agree...
almost....until last night. RHB) |

Frank Wheeler, 6589 Wattsburg Rd., Erie, Pa. 16509 (EDST)

- 8-10 Tr 2227 WANE-15 Ft. Wayne (261) 8-27 Tr 1958 WXON-62 Detroit
 2235 WKJG-33 " (")
- 8-16 Tr 0050 CHEX-12 Peterboro, Ont. 8-29 Tr 0822 WTV-9 Cadillac (313)
 2115 CKSO-5 Sudbury, Ont. (313)
- 8-19 Es 1600 KCKT-2 Great Bend, Kn

(Frank wasn't able to be at convention due to church camp that weekend. He notes also finally a QSL from WKJG. Had one un-id....ETV station on 55-57, 29 Aug at 0950-1000., Annt SE. Not WTVS. Not WARD either as they are not ETV and now ch. 19. RHB)

Robert Zoller, 8125 Donna, Westland, Mi. 48185 (EST)

- 8-17 Tr 0630 WSNS-44 Chicago (230) 8-27 Tr 1930 WMBD-31 tent. (345)
 2000 WJY-14 (395);
 2005 WICD-15 (290)
- 8-19 Tr 0450 WLWT-5 Cincy (230)
 1730 WCMU-14 Mt. Pleasant (114)
- 8-21 Tr 0630 WLEX-18 Lexington; 0070
WLKT-27 Lexington (308)
- 8-22 Tr 0630 WTMJ-4 Milwaukee (245)
- 8-26 Tr 0805 WTV-18; 0840 WCIU-26
- 8-28 Tr 1300 KDUB-40 (370) (and that on a
 corner reflector with a portable
 RCA. I'm still trying and still
 crying!!! RHB)
 2115 WTV-17 Rockford (280)
 2130 KFIZ-34 (280), WCEE-23 (300)
 at 2200.
- 8-29 Tr 0650 WDAU-22 Scranton (400) (who
 said this was a bad month???)
- 8-31 Tr 0630 WLFI-18 Lafayette

(Harold Cooper and Robert Zoller have made Westland a DX mecca this season. Thanks Bob. A corner reflector??? RHB)

Bruce Metzner, 136 Gas Lite Sq. #6, Madison, Wi. 53713 (CDST)

- 8-5 Tr 0020 KSD-5, St. Louis (320) 8-29 Tr 0100 WKBD-50 Detroit (315)
 0035 KPLR-11; 0040 KDNL-30
 0145 WDHO-24 Toledo (340)
 0200 WDIO-10 Duluth (200)
- 8-7 Tr 0800 WKJG-33 Ft. Wayne and So.
 Bend Us very good 0220 CHCH-11 Hamilton (490)
 0225 WJBK-2 Detroit (315)
 0543 WKBW-7 Buffalo (530!!!)
- 8-11 Tr 0730 WKMX-25 Saginaw, Mi (290) 0550 WSPD-13 Toledo (340)
 0930 WLFI-18 Lafayette 0545 WJW-8 Cleveland (405)
 0625 WANE-15 Ft. Wayne (260)
- 8-14 Tr 0105 KPLR-11 St. Louis
- 8-26 Tr 0830 WKJG-33 in again..then
 2358 KCIT-50 Kansas City (380)
 and more fun.... 8-31 Tr 2000 WKJG; KDNL-30
 0020
- 8-27 Tr 0000 WICS-20 Springfield, Il 9-1 Tr WLKY-32 Louisville (400)
 0012 WKMG-54 Muskegon (20.4 KW!!) 0035 WAND-17 Decatur (230)
- 0038 KFVD-21 Fort Dodge, Ia (250) 9-4 Tr 0010 WJNN-3 (after WISC s/o?)
- 0200 KCMD-5 KCity (380) 9-5 Tr 1030 WJY-14 Jacksonville
- 0555 KMOX-4 St. Louis, KFVS-12 Cape
 Girardeau. (405)

8-28 Tr 0005 KELO-11, KEEO-13 Sioux Falls (380)
 0020 KRNT-8 Des Moines
 0028 WLUC-6 Marquette
 0037 KETV-7 Omaha, Nb (360)
 0040 WOW-6 " " "
 1045 WKBF-61 Cleveland (405)
 1100 tent. WAKR-23 at 430.

(Bruce's double dish and well elevated Wineguard got a good workout. He notes that July and August were pretty disappointing until the 26th! He also sends report of July Es. Thanks Bruce. RHB)

Roger H. Brown, 624 Evergreen, East Lansing, Mich., 48823 (EST)

8-25 Tr 2200 on, Us to 250 miles E and W. Pretty typical of the period through the 28th.	9-16 Tr 1645 <u>WSNS-44, WTV-18, WNDU-16</u> noted, then looked East to find everything in to <u>WPGH-53 Pittsburg</u> at 280 miles. Then.... 1745 <u>WQEX-16, WQED-13.</u> 1800 <u>Erie, Canton, Youngstown</u> all near snowfree. 1830 <u>WTAE-4, KDKA-2 WIIC-11</u> all in. 1830 <u>WICD-15 Illinois</u> off side of dish...nothing when dish rotated. 2000 <u>WDAU-22, WBRE-28, WIMR-40, WBJA-34, WSKG-46.</u> 2050 <u>WXTV-41 Paterson, N.J. (570)</u> 2055 <u>WVIA-44 Scranton (460)</u> 2315 <u>WENY-36 Elmira, NY (380)</u>
8-28 Tr 1800 on. Best evening of session this far north. From perfect <u>WTV-18, Madison, Rockford, Chicago, etc.</u> No look here yet at <u>Peoria, Dubuque, etc.</u> Still trying.	9-17 Tr 0120 <u>WCAU-10 Philadelphia (525)</u> 0140 <u>WOR-9 New York City (575)</u> (both w/ good audio, fair video.) 0630 (slept thru 0530 alarm) <u>Scranton stations</u> causing images on convertor. 0645 <u>WTAF-29 Philly (525)</u> 0700 <u>WCDC-19 Adams, Ma. (590)</u> 0730 <u>WLYH-15 Lebanon, Pa. (400)</u> <u>WSBA-43 York, Pa. (440)</u>
9-4 Tr evening...to 250 miles again. <u>Erie, Youngstown, etc.</u>	
9-5 Tr 0150 <u>WQAD-8 Moline, Il (320)</u>	
9-15 Tr 1230 Band open weakly to <u>Chicago Us, Erie, Cleveland.</u> Died before 1900.	

(That last opening died about 1000. I had an exciting time! Kicked myself for not getting sooner for much desired NYC, Eastern NY, Pa stations but... enough is enough! By the way...WXTV ided in Spanish...which, thank goodness my wife speaks! RHB)

A couple of last notes. A late call to Bill Draeb indicates 7 new stations in at Kewaunee on the evening of 9-16 including WSKG-46, WENT-36, WCNY-24, WWU-24, WVIA-44, and others. More next month! Gave Morrie a ring...he noted that Gary Olsen saw Cleveland and further from windy city. By the way, Morrie Goldman is really alive.... and selling Heath equipment in Chicago...in preparation for another school year. He still has no DXing antennas, but has the big hardware (Conrac, etc.) ready when his tower arrives.

EASTERN TV DX

Dave Pomeroy
KCSD-TV
1211 McGee St.
Kansas City, Mo. 64106

Deadline: October 14

It looks like this month's reports will about conclude the summer's skip season. After over a month in Kansas City, there have still been no Es openings but tropo activity has begun to pick up. It this is true of the eastern states this column should be full of tropo reports next month. The weekend of September 18 and 19 produced UHF as far as Lexington, Kentucky and Toledo, Ohio along with several unidentified UHF translators. I hope these conditions moved eastward and affected the states covered by this column. Dick Clark's report on page 2 reflects some good skip conditions between Florida and South America. Dick reports both YVVE-3 and YVVA-2 strong with music programming.

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

7-15 Tr 0550 WHDH-5 Boston, MA	7-20 Tr 0550 WTIC-3 Hartford, CN
0630 Baltimore, Wash.V's	WTAR-3 Norfolk, VA
Providence VHF's	0600 WPRI-12 Providence
WRGB-6 Schenectady	WNBF-12 Binghamton
WNAC-7 over/WABC-7	0601 WITN-7 Washington, NC
22,28 Scranton, PA	0604 WWBT-12 Richmond, VA
7-18 Es 2100 WEDU-3 Tampa, FL	0615 WDAU-22 Scranton, PA
UNID-3 NBC	WLYH-15 Lebanon, PA
7-19 Tr 2100 WTAR-3 Norfolk, VA	WBOC-16 Salisbury, MD
WTVR-6 Richmond, VA 7-23	2200 WNBF-12 Binghamton, NY
WAVY-10 Tidewater, VA 7-29	0645 WRGB-6 Schenectady
WBOC-16 Saliabury, MD	WTEV-6 New Bedford
WUNC-2 Columbia, NC	Es UNID-5 west
2310 WWBT-12 Richmond, VA 8-10	1800 CBHT-3 Halifax, NS
WCTI-12 New Bern, NC	CJCH-5 Halifax, NS
2330 WDCA-20 Washington, DC	CJCB-4 Sidney, NS
7-20 0522 UNID-7 CCI on WABC 8-21 Tr 2100 WAVY-10 Tidewater, VA	WVEC-13 Tidewater, VA
0540 WNCT-9 Greensboro	0630 11,13 Baltimore, MD
WTOP-9 Washington, DC 26	0750 6,10,12 Rhode Island
WJZ-13 Baltimore, MD	

Had a great time at the convention--never saw anything like the conditions at the "top of the hill." Have finished my Interdigital post amp. system. I now have 10 or 35 db gain on low-band; 38 db gain on high-band. (Thanks for the pic, can you supply identifications? Wish I were in it! dp)

Steve L. Howard, 3925 Chickamunga Avenue, Chattanooga, Tenn. 37406

7-2 Tr 0605 WTWO-2 Terre Haute	7-2 Tr 0710 WAPI-13 Birmingham, AL
0620 WKRC-12 Cincinnati, OH	0715 KTVI-2 St. Louis, MO
0630 WCPO-9 Cincinnati, OH	0720 WFBM-6 Indianapolis
0635 WLWD-2 Dayton, OH	0725 WBRC-6 Birm. (150)
0700 WCIA-3 Champaign, IL	0730 WSB-2 Atlanta, GA
0705 KSD-5 St. Louis (375)	0740 WAGA-5 Atlanta (120)

All times are EDT. Steve uses an Allied Colorset 6UA antenna, an Alliance T-45 rotor, and a 1968 Arvin black and white set. Greatest tropo distance on 7-2 for Steve was WCIA-3 at 400 miles.

Bob Seybold, Bennett Road, Dunkirk, New York (EDT)

8-4 Es KVOO-2 WKY-4 KOCO-5 KYTV-3 KOTV-6 KFDX-3 KYSD-6
KARD-3 WBAP-5

Tr Scranton, Detroit, Toledo, Elmira, & Binghamton UHF's

8-6 to 15-Trops good on all days in this period with the following seen on most days:

WJYY-14 WICD-15 WANE-15 WNDU-16 WKTR-16
WTVO-17 WAND-17 WJAN-17 WHIZ-18 WLFI-18 WUCM-19 WUTR-20
WSBT-22 WPTA-21 WDHO-24 WGTE-30 WSJV-28 WKNX-25 WIRL-19
WEEK-25 WMBD-31 WKJG-33 WIMA-35 WLBC-49 WKBD-50 WPGH-53
WQEX-16 WTVS-56 WXON-62 WBGU-70 also VHF out to 450 miles
including these: WLWT-5 WCPO-9 WMAQ-5 WFBS-6 WKZO-3
WOOD-8 WJRT-12 WWTW-9 WZZM-13 WDTV-5 WRC-4 WBAL-11
WHTN-13 WLWI-13 WCAU-10 WJZ-13 These additional stations
were seen occasionally: WHNB-30 WNAC-7 WNHC-8 WHP-21
WLEX-18 WTPA-27 WKYT-27 WTAP-15 WAVE-3 WSAZ-3 WCHS-8

8-6/7 weak E-skip; no ID's

8-11 Es KQTV-2 KCKT-2 KVOO-2 KWGN-2 KDIX-2 KARD-3 KOTA-3
KDLO-3 WDAF-4 WKY-4 KXJB-4 KCMO-5 KTVC-6 KHAS-5
WOW-6 WDAY-6 CBWFT-3 and many other "super signals,"
locals buried by skip. (Some real good UHF there. I'm
anxious to see how you did on the weekend of September 18
to 21. Hope conditions there were as good as they were
here. dp)

Joe Kureth, P.O. Box 572, Southern Pines, North Carolina 28387

6-28 Es 1200 KPAC-4 Port Arthur 7-16 Es 2308 WKY-4 Oklahoma City
1215 WWL-4 New Orleans 2320 KVOO-2 Tulsa, OK
1300 KFDX-3 Wichita Falls 7-8 Tr 0105 WJXT-4 Jacksonville
1305 KRLD-5 Dallas, TX 8-5 2330 WJCT-7 Jacksonville
1400 KQTV-2 St. Joseph, MO 8-2 WRLK-35 Columbia, SC
1400 KARD-3 Wichita, KS WUNE-17 Linville, NC
7-4 1425 CBWFT-3 Winnipeg, Man. 8-17 WCYB-5 Briston, VA
1800 WCAX-3 Burlington, VT 8-19 WITV-7 Charleston, SC
1800 CBOT-4 Ottawa, Ont. WATE-6 Knoxville, TN
7-6 1900 CBHT-3 Halifax, NS (first Tennessee station)
7-13 1430 KPRC-2 Houston, TX 8-21 WJHL-11 Johnson City
1430 WOAI-4 San Antonio Tennessee
7-15 CBF CBFT-2 Montreal, Que. 8-25 WJBF-6 Augusta, GA
7-16 1425 WSYR-3 Syracuse, NY 8-28 WSAV-3 Savannah, GA
1430 WWL-4 New Orleans 8-29 WMAR-2 Baltimore, MD
1820 KCKT-2 Great Bend, KS WSB-2 Atlanta, GA
2300 KARK-4 Little Rock WTVI-42 Charlotte, NC
2300 KETS-2 Little Rock Total now 111 stations

(Joe uses a 1964 Trutone set with a Wineguard SC-54 antenna. He says he noted some Ms on 8-30--his first--but got no ID's. Joe is a sales representative for WEEB radio in Southern Pines and is interested in a list of the major meteor showers left in the year. Thanks for your report, Joe. Hope to see many more. dp)

Dick Clark, 4110 Bayview Drive, Fort Lauderdale, Florida 33308

6-27 Es 1230 KDKA-2 Pittsburgh 7-4 2300 WKAQ-2 San Juan, PR
1231 WCBS-2 New York, NY 2300 YVVE-3 Barquisimeto
1300 WGR-2 Buffalo, NY 2300 YVVA-2 Caracas, Venez.
1330 WKYC-3 Cleveland, OH 7-12 0130 WKZO-3 Kalamazoo, MI
1400 WKZO-3 Kalamazoo, MI 0700 KIII-3 Corpus Christi
1400 WBBM-2 Chicago, IL 0730 XEW-2 Mexico City
7-4 2300 WIPM-3 Mayaguez, PR Total now 73 stations

John P. Lombardo, 23 Grove Terrace, Irvington, New Jersey 07111

7-9	Tr	2142	WHYN-40	Springfield	8-9	Tr	2239	WATR-20	Waterbury, CN
		2155	WVER-28	Rutland, VT			2245	WCMC-40	Wildwood, NJ
		2215	WWLP-22	Springfield			2300	WEDN-53	Norwich, CN
		2250	-19	Adams, MA	8-10		0140	WMAR-2	Baltimore, MD
		2320	WSBK-38	Boston, MA		Es	1423	CBWFT-3	Winnipeg, Man.
		2330	WCMC-40	Wildwood, NJ			1824	CBHT-3	Halifax, NS
7-18	Es	1900	KMTV-3	Omaha, NB	8-12		1060	WCIX-6	Miami, FL
		1910	KLNE-3	Lexington, NB			1059	UNID-5	WPTV? W. Palm
7-19	Tr	2300	WTAR-3	Norfolk, VA			1130	WESH-2	Daytona Beach
		2323	WTVR-6	Richmond, VA			1230	WEAR-3	Pensacola, FL
8-9		2035	WEDW-49	Bridgeport, CN	8-14	Tr	0300	WTEV-6	Rhode Island

Ronald J. Le Blanc, 2524 Arizona Dr., Marrero, Louisiana 70072

8-13	Es	1800	KDAL-3	Duluth, MN	8-23	Es	2000	WCBS-2	New York, NY
8-19		1830	WGR-2	Buffalo, NY			2100	KUSD-2	Vermillion, SD
8-22	Tr	2300	KHOU-11	Houston, TX	8-28	Tr	0230	WBRC-6	Birmingham
		2415	KPRC-2	Houston, TX	8-29		1800	WDIQ-2	Dozier, AL
		2420	KTBC-7	Austin, TX	9-1	Es	2300	WMAR-2	Baltimore, MD
		2425	KTRK-13	Houston, TX	9-13	Tr	0100	WJTV-12	Jackson, MS
		2435	KPLC-7	Lake Charles			0115	KTVE-10	ElDorado, AK
		2450	KBMT-12	Beaumont, TX			0130	KTHV-11	Little Rock
		0140	KENS-5	San Antonio			0135	WEAR-3	Pensacola, FL
	Ms	0210	WGR-2	Buffalo			0140	WALA-10	Mobile, AL
		0220	WMAR-2	Baltimore, MD			0145	WLBT-3	Jackson, MS

Ronald uses a Winegard CW-2000 at 65 feet and a UHF Parabolic mounted at 70 feet. Antennas are turned by an Alliance T-45 Rotor. Total log is now 126.

Fred Nordquist, 302 Sandra Lane, N. Syracuse, New York 13212

8-5	Es	1230	KVOO-2	Tulsa, OK	1150 miles
		1232	UNID-4	w/NBC programming probable WKY--Okla. City	
		Es period 1229 (tunein) to 1241			
8-6	Tr	1059	WFIL-6	Philadelphia, PA	220 miles
8-19	Es	1645	to 1745	Channel 2-6 & FM (no ID's on TV)	
8-22	Tr	0120	CBFT-2	Montreal, Quebec	"good signal"
		0132	CJSS-8		
			CJOH-13		
		0200	WTIC-3	Hartford, CN	
8-23	Es	2200	UNID-2	w/ABC Sunday night movie "weak"	
8-25	Ms	0153	UNID-2	IHTP	
		0149	UNID-2	TP w/ circled "2"	
		0150	UNID-2	movie	

Totals now 92; 17 states, 2 provinces, and 2 countries as of 9-2. Fred reports items of interest in the September 1970 issue of Radio-Electronics: information on VHF/UHF antennas (installation, etc.) Proceedings of the IEEE, July 1970) featuring CATV with such topics as cochannel filters, and ultrasensitive/selective TV circuits.

Although DX reports should still be sent to me in care of KCSD-TV I am providing my new home address for anyone who may be traveling through the Kansas City area: 8720 W. 80th Street, Overland Park, Kansas 66204. All DX'er's welcome to stop in!

WESTERN TV DX

October 1970

Dennis Park Smith
Music Department
University of California
Santa Barbara, California 93106
Deadlines: 12th of each month

Even yet, Es has still been reported. Early and mid-August saw some openings, with some good ones around 11-13 August and early September. August Es dates: 1,3,4, 5,9,10,11,12,13,17,18,19,23,24,31; September, 1 & 4. The Perseids meteor shower 10-14 August brought some long bursts on occasion. Tropo was fairly good through Midwest here and there on various dates in the middle of August, with a good day in early September to help out, too.

(Your editor overlooked the following report that should have been in last time)
Glen R. Neal, 1005 N. 5th, Sayre, Oklahoma 73662 (July) (Times CDT)

July TV-DX was almost completely kicked in the head for me by several factors: I had me system torn apart awaiting arrival of a UHF ant which hasn't come yet, my VHF amp quit (after taking it out and hooking my VHF ant directly to TV, I found that it had been hurting reception more than helping!--it wasn't too hot when I got it and I suppose it has steadily declined), and some other goodies. However, now everything has been rectified, and August 1st got off on the right foot.

A moderately good tropo period with diminishing E-skip openings tell the story of western Oklahoma TV-DX for July. One disappointment was the complete lack of any tropo reception beyond 400 miles, although 'fringe' area reception out to 350 mi has been very good almost every morning and many nights. The slacking off of Es produced only 9 dates of sporadic-E reception with July 8 being the only 'intense' opening noted here. Here's a fair month:

- 6 Es 1535 unid-3 good briefly through ch 6 exc.
 - Tr 2200 KØ6DF Pampa TX 2443R 70 LOW 13 Es 1330 WESH-2, WEAR-3, unids to ch 4.
 - 7 Es 2130 exc. unid 2 & 3, had to leave 15 Es 2245 XHBC-3, other unids exc.
 - 8 Es 2000 all very strong: KTVU-2 (1255mi) 2300 KVOA-4 Tucson AZ 4433N675
to KRON-4 KPIX 5 KTVU 2 KCRL-4 2300 KUAT 6 Tucson AZ 5544N675
2230 (1130mi) KCRA-3 (1210mi) and 16 MS 0606 WCIA 3 TP for two minutes.
KVIE 6 Sacramento CA 5544N1210 Es 2000 SS south, EE NE, 2-5 exc.
 - Tr 2200 KTEN 10 KVII-7 exc. 18 Es 1145 WFMY-2 excellent, unid 3.
 - 11 Es 1245 T/N WLW-D 2 WKYC-3, many unids 19 Es 2145 to west, incl. KCRA-3 & KORK-3
- Ho-hum for that, but watch out next time! The ultimate in TV-DX to all.
(Apologies, Glen. Omission wasn't really because of your big August log, hi. dps)

(And, this guy's DX was also postponed from September)

Dennis Smith, 450 Poplar Avenue, Wasco, California 93280 (12-21Jul;17Aug-Sep)(Times PST)

1954 Zenith 21" 19L28 TV rx, 1954 Walsco 2-bay VHF-UHF Stacked V 46' above ground.

- 12 Es 1045 CKCK- 2 Regina Sask Mi: 1300 (18) Es 1800 KMID- 2 Midland TX 1050
- 16 Es 1600-1900 ch 2 no IDs 1815 KENS- 5 San Antonio (tent) 1320
- 17 Es opening 0800-1800 19 Es opening 0555-0930, left house PM
- 0859 KTWO- 2 Casper WY 860 0559 KCKT- 2 Great Bend KS 1170
- 0915 WKY - 4 Oklahoma City OK 1250 KARD- 3 Wichita KS 1260
- 0925 KNOP- 2 North Platte NE 1100 0630 WKY - 4 Oklahoma City OK 1250
- KARD- 3 Wichita KS 1260 KOAA- 5 Pueblo CO 860
- 1100 KMID- 2 Midland TX 1050 0730 KOOK- 2 Billings MT 930
- KENS- 5 San Antonio TX 1320 KENS- 5 San Antonio TX 1320
- 18 Es opening 0530-1900 0800 KGNC- 4 Amarillo TX 1010
- 1658 XEPM- 2 Ciudad Juarez Chih 800 0830 KHTL- 4 Superior NE apx 1200
- 1800 WOAI- 4 San Antonio TX 1320 0900 KHAS- 5 Hastings NE 1230

Total is now 140 with 2 new. Generally, Es still goes strong in July but this year, the best part probably took place before I got home as these openings observed were very erratic. Central-Calif. coastal tropo brought slight signal increases on TV-FM into this inland location in July. Later, in August, the stable condx brought tropo signals from Sacramento area including KLOC-19 Modesto (fair, 170mi) & KTXL 40 Sacramento (very good, 215) mornings and late evenings. 19 Aug morning brought KRCR-7 Redding (good, 390), still my farthest tropo.

Randy Miltier, 882 Pine Avenue, San Jose, California 95125 (August) (Times PST)

Only DX to report is identification of the mystery Spanish ch 3 I had on tape as reported in July VUD. Thanks to Glenn Hauser who identified it as XHBC-TV Mexicali, B.C., Mexico. A weird catch, as a strong opening from Midwest was in at the same time. Reception was on 5/21 at 1950 with antenna to east (XHBC is SE) and with KTVS dominant on ch 3 at the time. I hope everyone had a good season; it was really bad here with only 4 new stations added to the log this year. As they say in baseball..... wait 'til next year! 73. (Good catch, Randy; no more than 500 miles. dps)

Robert J. Williams, PO Box 151, Blackfoot, Idaho 83221 (11 Jul- 31 Aug) (Times MDT)

Zenith 20" console, B-T ant booster, Astatic set-top booster, 5-el yagi HP north, ch-6 5-el yagi HP south, VP ch-3 dipole. 17 Es 1112-1200, 2214 unIDs ch 2 ^{3145R}
11 1252-1414 lots of CCI & unIDs chs 2-6; 1128 KNXT 2 Los Angeles 3015R (at 1157:
Es apx 1315 ch4 hrd "ch.12" on audio 19 Es 1105 & 1142 weak ch2, 1934 weak ch4
 1345 WBAP- 5 Fort Worth TX 0525N A31 Tr 1901 unID 11 (KBYU-Provo, Utah? dps)
 1359 KCEN- 6 Temple-Waco TX 542?N 1927 KMVT 11 Twin Falls R

On 7-11 I had ch-3 DX fighting to take KID's place. I am now trying a vertical dipole cut to ch.3 to try to get DX thru KID. On one booster setting I get some snow on KID-3. I hope it is enough to ID DX stations. I purchased a Blonder-Tongue "Commercial Antensifier" booster from Morrie and hope it will help improve KMVT 11 and other tropsthat may come in. Frank Aden & gang in Boise contacted me and invited me to join Idaho DX Assoc (IDXA). I sent in dues a few days ago. I turned one antenna north to try for aurora; someday I'll get a rotor. 73s and good DX.

(Hope improvements have good results. Maybe ch.3 was Texas, Bob; see Pat's log. dps)

Leslie J. Prus, 1615 Pierre, Manhattan, Kansas 66502 (28 Jun; 1-31 Aug) (Times CDT)

<u>28</u> Tr 0130	KYTV 3	Springfield MO	3443 220	(6) MS	0550 WLW-D 2	Dayton OH	3---	650
	0145	KTVI 2	St Louis MO	3433 340	<u>11</u> MS	0518 WMAR- 2	Baltimore MD	3---
		KPLR-11	St Louis MO	3333 340		Es 1030 WSAV- 3	Savannah GA	3343 1000
		KOMU- 8	Columbia MO	4434 220	<u>12</u> Es	1030 WMAR- 2	Baltimore MD	4443 1060
		KMTV 3	Omaha NE	3444 150		1130 KYW - 3	Philadelphia PA	4443 1150
	0200	WOW - 6	Omaha NE	3444 150		1200 WGR - 2	Buffalo NY	4443 950
	0215	KTVO 3	Kirksville MO	4454		1230 CBFT 2	Montreal Que	4444 1240
		KMOX- 4	St Louis MO	3433 340		CBFT2 3	MontLaurierQue	3344 1180
<u>A2</u> MS	0530	WCBS- 2	New York NY	3 1200		1200&1230 unids-3	(see CCI)	3343&3344
	0540	WBBM- 2	Chicago IL	3 500	<u>16</u> Tr	2200 KOMU- 8	Columbia MO	3444 220
	0545	WGR - 2	Buffalo NY	3 950		KPLR-11	St Louis MO	2334 340
	0600	WSB - 2	Atlanta GA	3 770		WOW - 6	Omaha NE	3334 150
<u>5</u> Es	0900	WUND- 2	Columbia NC	3354 1150		KETV 7	Omaha NE	3334 150
		WUNC- 4	Chapel Hill NC	3344 1000		KMOS- 6	Sedalia MO	2334 180
	0930	WWAY- 3	Wilmington NC	2233 1080		KSD - 5	St Louis MO	2334 340
		WTAR- 3	Norfolk VA	3343 1100	<u>19</u> Es	1800 unid- 2	(see CCI)	3123
	1030	WSVA- 3	Harrisonburg VA	3344 940		1820 WUSN- 2	Charleston SC	2113 1015
		WRC - 4	Washington DC	2344 1050		1915 WEDU 3	Tampa FL	3223 1150
	1100	WMAR- 2	Baltimore MD	3444 1060		WPBT 2	Miami FL	3223 1320
		KYW - 3	Philadelphia PA	3444 1150				(new station on air)
<u>6</u> MS	0430	WKYC- 3	Cleveland OH	3--- 800	<u>20</u> Tr	2230 KOMU- 8	Columbia MO	4434 220
	0510	WSB - 2	Atlanta (25secburst!) 770			KPLR-11	St Louis MO	3334 340

I was disappointed at MS reception in August. It seemed that the bursts weren't too much better than in Spring. Outstanding Es 12 Aug 1220-1255--all way up to Ch.6.

About KTVO 3 Kirksville MO/Ottumwa IA: it IDs as both but xmtr is in Lancaster MO --closer to Kirksville than Ottumwa. Shouldn't WTFDA set policy as to where it is-- Iowa or Missouri but not both? Totals: 105 stations, 26 states + DC. 73.

(Of course, WTFDA doesn't require DXers to follow its policies, but for guidelines WTFDA, with help of members, has decided for state-counting to favor xmtr site --in this case, Missouri. City of license may or may not be in same state. Also, recommendation is to count share-timers such as WPBT/WTHS-3 Miami as one station as they use a single xmtr. Good questions, Les. dps)

Bob Cooper, Jr., 6221 Norman Road, Oklahoma City, Oklahoma 73122 (8Aug- 7Sept) (CDT).

This reporter can't comment accurately on DX conditions from here for past month as I've been out of town and bogged down with business problems since returning from Dunkirk. The convention was a ball, and I truly enjoyed meeting so many of the fellows who make up this great hobby. My reporting will come to a screeching halt about Oct 1 as we move to a home closer to the new CADCO plant. I intend to re-set up for UHF TV, but that will probably be all for six months or so.

Aug 11 MS 0450 WSB-2; 0627 WUSN-2 + usual WBAY-2 & WMT-2 btw 0600 & 0630.

Es, 1148-1159 to NE on 2 & 3, no IDs; 1500-1645 KORK-3 and others not identified.

Aug 12 MS 0451 WBBM-2; 0455 WSB-2; 0525 WFBC-4 & WLW-D 2; 0625 WUSN-2; 0626 WBAY-2 & WMT-2.

Aug 18 Es 1105-1110 ch 2, no ID.

Aug 19 Es 1340-1345 east chs 2-3, no IDs; 1905-1910 NE chs 2-3, ABC on 2, no IDs.

Aug 24 Es 1025-1215 west, SW, KOAI 2 KORK-3 KNXT 2, good signals.

Aug 25 tropo 0915-1000 north with KMEG 14 (460 mi), KYNE-26 (405 mi), K18AA and bunches of translators.

Aug 31 Es 2055-2100 weak NE, ch 2, no ID.

Sept 1 Es 1010-1040 north, probable KTCA-2; 2110-2300 north in and out with KDIX-2 CKPR-2 KDAL-3 identified.

Sept 4 Es 2017-2240 moderately good south & SS/W that briefly got as high as FM band. IDed were XEW-2 XEZ-3 XHIA-2 (73rd ch.2) plus many not IDed including an English-speaking station from SE with old Chet Huntley documentary.

Sept 6 tropo 1750-2300 duct to N/NE: KDUB-40 (101st UHF) in most of this time, plus WCEE-23 WTVO 17 & probable WMTV 15 WKOW-27. (WKOW-27 sat behind locals KTSB & KMTC-27 all evening for hours on end. Most frustrating not to catch an ID!) UHF's in 605-700-mi range. So much for DX through the 7th. 73.

(Thanks for your report, Bob, no matter how small, hi. dps)

Pat Dyer, 327 Solar Drive, San Antonio, Texas 78227 (9 Aug- 7 Sept) (Times CST)

Receiver: 1968 RCA color model GJ721W. Antenna: Wards 11-el hi-low VHF, 15' up, aimed SE

9 Tr 2355	KWTX-10 Waco TX	Mi: 165	(10)(Tr) 0525	KCEN- 6 Temple TX	135
	KBTX- 3 Bryan TX	145		KPRC- 2 Houston TX	185
10 Tr 0010	KBMT-12 Beaumont TX	265	0530	KLTV 7 Tyler TX	280
0020	XET - 6 Monterrey NL, Mex.	290	11 Es 1428	KID - 3 Idaho Falls ID	1220
0435	KALB- 5 Alexandria LA	385	12 MS 0453	WKY - 4 Okla. City (1st ch4 MS ID & 1st MS ID since 1965)	425
0440	KRGV- 5 Weslaco TX	215			
0455	KHOU-11 Houston TX	185	14 Tr 0510	WFAA- 8 Dallas TX	240
0500	WJTV 12 Jackson MS (new)	530	16 Tr 0510	KDFW- 4 Dallas TX	240
	KGBT- 4 Harlingen TX	215		0520 WFAA- 8 Dallas TX	240
	KTRK-13 Houston TX	185	24 Es 1029	KUTV 2 Salt Lake City UT	1080
0510	WFAA- 8 Dallas TX	240	51 Es 0858	WESH- 2 Daytona Beach FL	1055
			4 Tr 2305	KWTX-10 Waco TX	165

Perseid MS on mornings of Aug 10-14 was good, peaking the 12th. Big problem was tropo CCI being strong and limiting time before they came on with their TP. Saw many MS unid TP's. I spent most of the time on Ch 4. Some bursts ran well over 30 sec. WKY came on a 10-15-second burst. 50 MHz exhibited strange scatter enhancement these mornings; bursts there over a minute.

Es declined drastically in August. Opening on 13th had MUF up to Ch 6 here.

All Corpus Christi TV stations back on now: KRIS made it after being out about a week, KZTV after 10 days, KIII had to use generator power for nearly a week.

Things ought to be just about all trop until Nov-Dec. Solar activity is still running high, so with another disturbance like March 8 there might be some more chances for F2 TV-DX this fall. 73. (Very good, Pat. Bring on winter! dps)

Fred McCormack, Des Lacs, North Dakota 58733

(1 Aug- 7 Sept) (Times CDT)

A6 Tr 1020	KORN- 5 Mitchell SD	4432T	(13)(Tr) also unID UHF xltr for WCCO-4.
	1030 KXGN- 5 Glendive MT	3333T	17 Tr 0830 KDUH- 4 Hay Springs NE 4444N380
	1040 KMEG 14 Sioux City IA	3?35T	0859 KPLO- 6 Reliance SD 3344R310
8 Tr 0829	KXGN- 5 Glendive MT	3444N175	Es 2358 CKRN- 4 Rouyn Que 3324R

(8) Tr	0928	KOTA-	3	Rapid City SD	3444R295	23	Tr	0859	K70CI	70	Columbus ND	2045N 70	
	1105	CHSS-	6	Wynyard Sask	1333N280		Es	2212	KFSA-	5	Ft Smith AR	2232R	
9	Es	1829	WSAZ-	3	Huntington WV	3045R		2216	WREC-	3	Memphis TN	3032R	
	1900	WLW-C	4	Columbus OH	3333R			2217	KARK-	4	Little Rock AR	3422R	
10	Es	1728	CJBR-	3	Timouski Que	3433N495	26	Tr	0700	KCMT	7	Alexandria MN	2342R335
11	MS	0554	WKY-	4	Oklahoma City	3333R			0700-0900	70-82	MN xltrs again	R310+	
12	Es	1358	WSYR-	3	Syracuse NY	3333R	27	Tr	0732	KMEG	14	Sioux City IA	3445T
	1359	WKYC-	3	Cleveland OH	3032R		31	Tr	0742	KMEG	14	Sioux City IA	2035T
	1428	WGR-	2	Buffalo NY	4145R		Es	2129	WEAR-	3	Pensacola (AL)	4432R	
	2159	WCIA	3	Champaign IL	3323R			2159	WDSU-	6	New Orleans LA	3434N360	
13	Tr	0658	KNMT	12	Walker MN	3044R330			2208	WLBT	3	Jackson MS	3444R
	0659	KCMT	7	Alexandria MN	4454R335				2208	WWL-	4	New Orleans LA	4444T
	0711	KVFD-21		Fort Dodge IA	3445N525	5	Tr	0045	CKMJ-	7	Marquis Sask	0045N260	
	0805	K80CK	80	Bemidji MN (KTHI-11)	N310			0820	KVFD-21		Fort Dodge IA	4444R525	
	0830	K82AF	82	CassLakeMN (WDSM-6)	N320			0822	KDUB-40		Dubuque IA	4545N640	
	0900	K78AK	78	CassLakeMN (KDAL-3)	N320			0858	WMBD-31		Peoria IL	3445N765	
	0958	K75AM	75	Bemidji MN (WDSM-6)	N310			0928	WEEK-25		Peoria IL	2335T	
	1000	K70BZ	70	Bemidji MN (KDAL-3)	N310	6	Tr	0755	KMEG	14	Sioux City IA	3445N465	

The big news here this month is UHF. I got set up for UHF around Aug 1. Equip. consists of a 7' dish, BTX-11A converter, and an old 17" Zenith. First UHF seen was a tent. KMEG. I saw them twice more before I finally IDed them. First good UHF trop occurred on 8-13; KVFD-21 was in all by itself from Iowa but the best trop were from northern Minnesota. On a number of chs. btw 70 & 82 over 300 miles. On 8-26, the same translators were logged again; however, on this date, conditions were such that the translators of WDSM-6 were broadcasting WDAY-6 Fargo and later mixed in CBWT 6 Winnipeg. Finally, on 9-5, my first super trop (and probably last) of the year took place. In addition to identifying Peoria and Dubuque, there were quite a number of unids, some of which were very weak. I believe some were from Rockford and Madison. The opening lasted only from 0820 to 1000 so it was impossible to ID many stations, especially when you are trying to get info for a veri. UHF is a lot of fun, and it is well worth waiting for an opening. The only other notable reception was from nearby KXGN-5 for my first logging of neighbor state Montana. 73 & good DX.

(Great loggings, Fred. You got your new TV Factbook just in time. dps)

Dennis Smith, Santa Barbara, California

Back in Santa Barbara as of 3 September, I have noted that the coastal tropo has continued to maintain its consistent high level during this season. Observations between Don Voegele and myself have noted consistent all-summer southern-Calif. coastal tropo at near-optimum levels southeast 200 miles to San Diego-Tijuana TV-FM. Strangely, it went down on 13 Sept but was back up by 15 eve, though. I finally had chance to observe UHF on a good installation in downtown Santa Barbara, at a TV shop. Antenna is a Channel-Master, of a type resembling 8 bow-ties and reflector about 60 ft up. My own set-up with a converter hooked to an old VHF ant left something to be desired, especially since seeing this. From Mt. Wilson (Los Angeles) (95 mi), KWHY 22, KMEX 34 & KBSC 52 were almost snowfree and good color, and KCET 28 & KLXA 40 were snowfree. San Bernardino's new religious KHOF-TV 30 (apx 150 mi) was fair-good. Over water to San Diego, KEBS-15 & KCST 39 (200 mi) were local-quality, the strongest signals on the band.

Best of DX to all

Dennis

Charles A. Dobbins
12851 Longacre
Detroit, Michigan 48227

FCC - FM news

NEW STATIONS FINAL ACTIONS

Branson, MT. 106.3 , 3 kw. , John M. Rushton , AAT 206 ft.
Fredericksburg, TX. 101.1 , 100 kw. , Gillespie Broadcasting Co. , AAT 650 ft.
Freeport, Ill. 92.1 , 3 kw. , Freeport Broadcasting Co. , AAT 300 ft.
Fremont, MI. 100.1 , 3 kw. , Stuart Noordyk , AAT 184 ft.
Henderson, NV. 95.5 , 41 kw. , Mark L. Wodlinger , AAT 1,130 ft.
Lafayette, IN. 92.7 , 3 kw. , Tward Broadcasting Co. , AAT 300 ft.
Marion, SC. 94.3 , 3 kw. , Swamp Fox Broadcasting Co. , AAT 190.4 ft.
Mountain Home, ARK. 98.3 , 1.4 kw. , Mountain Home Broadcasting Corp. , AAT 417 ft.
Phoenix City, ALA. 100.1 , 3 kw. , Chattahoochee Broadcasting Co. , AAT 300 ft.
*Port Huron, MI. 88.3 , TPO 10 w. , St. Clair County Comm. College , AAT 87 ft.
Rapid City, SD. 93.9 , 30.24 kw. , Rushmore Broadcasting Co. , AAT 319.522 ft.
St. George, SC. 95.9 , 3 kw. , WQIZ Inc. , AAT 300 ft.
*Tishomingo, MISS. 88.9 , TPO 16 w. , Tishomingo School District , AAT 103 ft.
Yuma, AZ. 95.1 , 25 kw. , Lan-Jol Enterprises , AAT 76 ft.

INITIAL DECISION

Athens, TN. , Athens Broadcasting Inc. Hearing Examiner recommended granting 98.3 mhz. 2.2 kw. , and AAT of 345 ft. Adress: 110A Jackson St., NE, Athens 37303

CALL LETTER APPLICATIONS

Lee Enterprises Inc., Billings, MT. req KBMS(FM)
Russell Shaffer, Boulder, CO. req KBOV(FM)
Pemberton Broadcasting Co. , Grenada, MISS. req WRIL(FM)
Mark Wodlinger, Henderson, NV. req KILA(FM)
Swamp Fox Broadcasting Co. , Marion, SC. req WATP-FM
Northwest Missouri State College , Maryville, MO. req *KXCV(FM)
Mountain Home Broadcasting Corp. Mountain Home, ARK. req KTLO-FM
Oxford Hills Radio Communications, Norway, ME. req WNWY-FM
KFIL Inc. , Preston, MINN. req KFIL-FM
Ozark Broadcasting Co. , Salem, MO. req KETU(FM)
Redwood Empire Stereocasters , Santa Rosa, CA. req KLVR(FM)
WQIZ Inc. , St. George, SC. req WPCR(FM)
Bethany Broadcasting Co. , Thompson, GA. req WTHO-FM

APPLICATIONS

Ashland, WISC. WATW-FM Inc. seeks 95.9 , 3 kw. , AAT 155 ft.
*Bellevue, WN. Bellevue School District #405 seeks 89.3 , TPO 10 w. , AAT 65 ft.
Chanute, KN. Neosho County Broadcasting Inc. seeks 105.5 , 3 kw. , AAT 162 ft.
Duluth, MINN. Contemporary Broadcasting Corp. seeks 103.3 , 100 kw. , AAT 550.5 ft.
*Hamden, CONN. Quinnipiac College seeks 88.7 , TPO 10 w. , AAT 200 ft.
Indianapolis, IND. Community Communications Corp. seeks 105.7 , 50 kw. , AAT 135 ft.
*Kent, CONN. The Kent School Corp. seeks 88.9 , TPO 10w. ,
Macon, GA. Piedmont Broadcasting Co. seeks 107.9 , 100 kw. , AAT 418.2 ft.
McKean, PA. Mikro-Dawn Inc. seeks 102.3 , 151 kw. , AAT 401 ft.
Melbourne, FLA. Cape Canaveral Broadcasting Inc. seeks 107.1 , 3 kw. , AAT 300 ft.
Newport, NH. Eastminister Broadcasting Corp. seeks 104.9 , 3 kw. , AAT -247 ft.
Paso Robles, CA. F. Ray and Nancy L. Bryant seek 94.3 , 3 kw. , AAT 53 ft.
Rantoul, ILL. Rantoul Broadcasting Co. seeks 95.3 , 3 kw. , AAT 300 ft.
Shell Lake, WISC. Erwin Gladdenbegk seeks 95.3 , 3 kw. , AAT 300 ft.
Tylertown, MISS. Tylertown Broadcasting Co. seeks 97.7 , 3 kw. , AAT 145 ft.
*Vincennes, IN. Vincennes University seeks 91.3 , 100 w. , AAT 515 ft.

STARTS AUTHORIZED

WQIX(FM) Horseheads, NY. 100.9 , 3 kw. , AAT -104 ft.
WAEL-FM Maricao, PR. 96.1 , 10.5 kw. , AAT 1950 ft.
KSLM-FM Salem, OR. 105.1 , 100 kw. , AAT 850 ft.

CALL LETTER ACTIONS

Ricardo Vega , Aquadilla, PR. gtd WTPM(FM)
Fine Arts Inc. Charleston, SC. gtd WEZL(-FM)
Culpepper Broadcasting Corp. , Culpepper, VA. gtd WCUL(FM)

University of Denver, Denver, COLO., gtd *KCFR(FM)
 Cape & Island Broadcasting Co., Falmouth, MASS., gtd WCIB(FM)
 Cape Cod Broadcasting Co., Hyannis, MASS., gtd WQRC(FM)
 W.R.R. Inc., Roseburg, ORE., gtd KRSB(FM)

EXISTING FM STATIONS

CALL LETTER APPLICATIONS

WAQB-FM Atlantic Beach, FLA. req WKTX-FM WERE-FM Cleveland, O. req WGGL(FM)
 WDOV-FM Dover, DEL. req WDSB-FM WAZE-FM Hazelton, PA. req WVCD(FM)
 *KEBS-FM San Diego, CA. req *KPBS-FM KRPM(FM) San Jose, CA. req KOME(FM)
 KCTA-FM Sinton, TX. req KOUL(FM) WSPD-FM Toledo, O. req WTLQ(FM)

CALL LETTER ACTIONS

WAEB-FM Allentown, PA. gtd WXXW(FM) WBYO-FM Boyertown, PA. gtd WBYO(FM)
 WWMS-FM Bryan, O. gtd WWMS(FM) KINS-FM Eureka, CA. gtd KFMI(FM)
 WIQT-FM Horseheads, NY. gtd WQIX(FM) KLOL-FM Houston, TX. gtd KLOL(FM)

CHANGES TO ALREADY EXISTING STATIONS

KCHV-FM Coachella, CA. chge xmtr and ant. and ant sys. ant hgt. to -255 ft.
 KHBT(FM) Humboldt, IA. chge xmtr and ant., ant. hgt to 275 ft.
 WSBM(FM) Saginaw, MI. chge to ant. sys, ant. hgt. to 423 ft.
 WBAQ(FM) Greenville, MISS. gtd license covering new FM.
 KERI(FM) Bellingham, WN. chge ant. and ant. sys. ant. hgt to 2,310 ft.
 KYNO-FM Fresno, CA. gtd license covering new FM
 KLBS-FM Los Banos, CA. chge type xmtr and ant..
 KSFM(FM) Sacramento, CA. chge type xmtr and ant., ant hgt to 280 ft.
 KSJO-FM San Jose, CA. install new aux. xmtr and ant. new freq 92.3, ERP 3.8 kw.,
 *WETA-FM Washington, DC. license covering new FM. ant hgt to -57 ft.
 WGNE-FM Panama City, FLA. chge xmtr and ant., ERP 100 kw. ant hgt 130 ft.
 *KWMR(FM) Cedar Rapids, IA. gtd license covering new FM.
 WICO-FM Salisbury, MD. gtd license covering new FM.
 WCCO-FM Minneapolis, MINN. gtd license covering new FM.
 KSRN(FM) Reno, NV. gtd CP to install aux. xmtr for use with main ant. on 104.5 mhz.
 *KREM(FM) Pendleton, ORE. gtd license covering new FM.
 KPUP(FM) Kingsville, TX. gtd license covering new FM.
 WESP(FM) Charlotte Amalie, VI. gtd CP for new FM studio.
 KIXI-FM Seattle, WN. chge type xmtr and ant., ERP 52 kw. ant. hgt 1180 ft.
 KTAC-FM Tacoma, WN. chge xmtr and studio location.
 WSPB-FM Sarasota, FLA. gtd CP to make chges in ant. sys..
 WBCN(FM) Boston, MASS. chge ant. sys and xmtr location.
 WEKT(FM) Hammondsport, NY. chge type xmtr and ant.
 WVCC(FM) Linesville, PA. gtd license covering new FM.
 WWSR-FM St. Albans, VT. gtd license covering new FM.
 KECR(FM) El Cajon, CA. chge type xmtr and ant..
 KDFC(FM) San Francisco, CA. chges in xmtr.
 WWPB(FM) Miami, FLA. chge xmtr and studio location, ERP 100 kw. ant hgt 810 ft.
 KHVH-FM Honolulu, HA. chge xmtr location.
 WJIB(FM) Boston, MASS. install new aux. xmtr on 96.9 mhz..
 WDLC-FM Port Jarvis, NY. chge xmtr and ant..
 KCCO-FM Lawton, OK. chge xmtr and ant..
 *KBBO(FM) Portland, ORE. chges in xmtr..
 KOBS-FM Orange, TX. chge type xmtr.
 KYED(FM) Pasadena, TX. chge xmtr location, chge xmtr and ant., ERP 97 kw., ant
 KOST(FM) Los Angeles, CA. chge in xmtr ERP to 4.2 Kw. hgt to 800 ft.
 KLGA-FM Algona, Ia. chge xmtr, ERP 2.8 kw..

FM DX REPORT

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

Hank Holbrook 7211 Chestnut Street Chevy Chase, Maryland 20015

All DXing from the cottage at Fair Haven, Maryland overlooking the Herring and Chesapeake Bays 15 miles below Annapolis, Maryland. Some of you fellows have picked up the Cuban FM station on 90.5. I heard this station back in 1968 when they were carrying a Radio Progreso program. I believe this station carries programs of various networks in Cuba. This station is listed in FBIS as CMB24 and they show a power of 250 watts. I have a verification from this station, but the call sign and power are not shown, even though this information was requested in my reception report. The address to which you should write is I.C.R. Calle 23 #258 Vadabo, Habana, CUBA. You can use english as the verie is in english. Stations logged and reported since my last report: 90.1 KSJR Colleeville, MN on 7/4 2:00 to 2:12 PM; 90.3 KBFL Buffalo, Mo. with 1.15kw on 7/11 10:08 to 10:15AM, both sent vl back. 94.5 KJCK Junction City, KS 10:31 to 10:42; 102.1 KSKU Hutchinson, KS w/100kw 11:06 to 11:16AM; 89.1 KMWU Wichita, KS only 220w 12:00 to 12:14, vl mentioned this station going to 10kw in Sept. and 101.9 KFMB Oklahoma City, OK 11:12 to 11:25AM all on 7/11. On 7/23 WRIV 107.7 Bevensfield, NY logged from 0329 to 0405 via trop. 8/5 KQTY 101.3 Wichita, KS logged 11:30 to 11:42 AM via Es. Verifications received since my last report WDJF QSL, and vls from WCTO, KICS and WOWI. So this brings us up to date again. Veries now stand at 561 stations from 31 states, Ontario, Quebec, Manitoba and from Bermuda, Puerto Rico and Cuba.

Fred Nordquist 302 Sandra Lane North Syracuse, N. Y. 13212

Greetings. Enjoyed attending the Dunkirk gettogether, meeting fellow DXers and checking out Seybold's excellent DX location. FMDX has been very good since the convention. Here's what's been hrd since 8/6: 8/6 WIFI 92.5 Pa. MoR mx 0046; WPEN 102.9 Pa tel. talk 0058; WNCR 99.5 OH rr 0201; WDOK 102.1 OH MoR mx 0222; WERE 98.5 OH ID at 0259; WCUE 96.5 OH MoR mx 0312; UNID 107.9 w/MoR mx prob. WNOB 0323; WGSU 98.3 NY noted w/UG mx 1335. 8/10 WHHO 105.3 NY w/rr mx 1847. 8/11 WWGO 103.7 Pa. o/u WEIV 2115. 8/12 CKDY 105.3 Ottawa, Ont. noted w/MoR mx 2224. 8/19 WGFM 99.5 finally hrd u/WDCX fade w/woman annor and MoR mx 0016. Es noted on car radio after work to SW at 1645 w/KCMW 90.9 Mo. IDing @1650, then at home KIJC 88.5 Mo. IDing at 1726 noting that they were having technical difficulties, then back to classical mx. Are they still 500w? If so, this is best Es DX for me. (Fred, is is KIJC or KLJC? RWW) KCUR 89.3 Mo. unn 1729, then DX session cut short due to company, hi. 8/23 WFCR 88.5 Mass s/off annet 0030. 8/27 CKWW 88.7 Ont. noted at 11:34 while home on lunch break, WVCC 101.7 Linesville, Pa. noted on w/pop mx 1835, WRFO 97.1 OH MoR mx 1859, WMGW 100.3 Pa weak, but clear ID at 2200. 8/28 WKOK 94.1 Pa. // to AM ID 0700. 8/29 good tropes to Mich. noted. WJOM 91.7 s/off annet 0005, WRRN 92.3 Pa w/Pirates BB 0100, WKA R 90.5 E. Lansing, MI (420mi) for longest trop distance to date, noted at 1100 w/good signal, WYSU 88.3 OH o/u airport beacon QRM 1645. Total logged now 174 with 20 states and 2 Provinces. Best of DX and 73.

Fred McCormackDes Lacs, ND 58733

FMDX in August was rather poor with only four new stations added, two by MS and two by trop. There were good trop openings on 8/6, 8/13, 8/26 and 27. The opening of the 13th was by far the best. WGRR 105.1 had a great signal until after 1030. I did not spend much time at the FM however, due to my interest in UHF and my first loggings on UHF. The dates from 28 to 31 provided a number of loggings out to over 500 miles, but it was not a good trop period. The signals were generally weak and fluttery, and usually only one DX station was on the dial at a given time. The stations under 250 miles were even poorer than usual, so I was surprised to hear any DX. Here are my loggings by date and time. (All are by trop except those indicated as MS. New loggings are under lined). MS on 8/5 brought WNCI 97.9 Columbus, OH @0119 and WFMK 99.1 East Lansing @0843. On 8/6 KWLM 102.5 Willmar, MN @0747, KFAM 104.7 St. Cloud, MN @0749, KLEM 99.5 Le Mars, IA @0825, KICD 107.7 Spencer, IA @1039, KEYC 99.1 Mankato, MN @1121, KWWL 107.9 Waterloo, IA @1204, KWOA 95.1 Wotthington, MN @1705, KROC 106.9 Rochester, MN @1749, WPBC 101.3 Richfield, MN @2029 and KYSM 103.5 Mankato @2357. On 8/7 WIFC 95.5 Wausau, WI @0021, WBAY 101.1 Green Bay @0028 (my most distant FM in 1970 at 695 miles), WBIZ 100.7 Eau Claire @0031. On 8/8 KEEY 102.1 St. Paul @0809. MS on 8/12 brought WGAY 99.5 Washington, DC @1300 and WDHF 95.5 Chicago @1459. On 8/13 WGRR 105.1 Duluth, MN @0635 and KLIZ 95.7 Brainerd, MN @0644. On 8/24 WJMC 96.3 Rice Lake, WI @0734 all by itself. On 8/26 KFAM 104.7 @0611, WJON 101.7 St. Cloud, MN @0615, WJMC 0723, WCTS 100.3 @0729, WEAU 104.5 Eau Claire @0759, WBIZ 100.7 @0803, WRIG 101.9 Wausau, WI @0805, KLYZ 95.7 0811, WIFC 95.5 0904, KBRK 94.3 Brookings, SD @0625, KFAM 0706, KWLM 102.5 @0721, KLOH 98.7 Pipestone, MN @0722, KELO 92.5 Sioux Falls, SD 0725. On 8/28 WEAU @2100. On 8/29 KVSR 97.9 Rapid City, SD @1159. On 8/30 KELO 92.5 @1100, KFAM 2024, WEAU 2218, KLIZ 2315. On 8/31 KWLM 0746, WEAU 0808, KEEY 0928, WBIZ 1056 and KKWB 104.9 Breckenridge, MN @2228.

Dennis Smith 450 Poplar Avenue Wasco, California 93280

I was home in Wasco 12 to 21 July, no skip noted but caught a few interesting Calif. signals on Fisher mono tuner and Taco 10 element FM yagi. Another new local (really near fringe) KYNO FM 95.5 Fresno at appx 95 mi which means KLBS in nearby Los Banos changed from 95.5 back to 95.9 (that seemed fishy to begin with...). Local KFRN FM 94.1 Bakersfield is now KLYD FM. My first FM outside US hrd in Wasco is a quite solid signal from new XHOK FM 100.1 Tijuana; stronger than many San Diego FMs here...possibly more that 50kw. In US 100.1 is limited to 3kw, station is in stereo. 20 Jul: KTIM 100.9 San Rafael (250 mi) over usually dominant KSRT 100.9 Tracy (190). 20 to 21 Jul: KPEN (xKPGM) Los Altos (address Mountain View) (200) over usually dominant KXKX 97.7 Lodi (215)...haven't hrd Los Altos in years. All these are 3kw to NW. Also 20 Jul eve: KCSM 90.9 San Mateo (350 w 200 mi). Wasco total now 176 heard. Best of DX.

Bruce Elving 522 North 12 $\frac{1}{2}$ Avenue East Duluth, MN 55805

Skip August 19 brought in WIVE 100.1 Ashland, Virginia and reloggings and verifications from WNOR 98.7 Norfolk and WBCI 96.5 Williamsburg, both VA. A station received testing after 12:30AM CDT September 1 was WIAT 99.1 Danville, Ill., followed by an entire morning full of glorious WPOK 103.1 Pontiac, Ill. reception. WFVR 106.3 River Falls, Wisconsin signed on Sept. 6 as a new regular. Totals are now 905 heard and 833 verified from Duluth. I recently spent an all night session at a local radio station editing down some 22 tapes to produce one half hour tape of the outstanding DX of 1970, which will be preserved, along with verifications and various listings of stations received.

Bob Cooper 6221 Norman Road Oklahoma City, Oklahoma 73122

This has been an abbreviated month due to travelling out of town more than half of the month. Greatly enjoyed meeting with many of the FMDX set at the Dunkirk convention! Around October 1 will be shutting down DXing for perhaps as much as a year, on FM. A combination of a growing business, moving across town closer to the "plant", and not sufficient room at the new place to "grow" a really decent antenna system add up to a hiatus for a while. August 11th meteors, logged and taped IDs from WYCA 92.3 @0520 and CKLW 93.9 @0527. August 12 meteors, taped ID from WDBN 94.9 @0614 and WLAC 105.9 @0656. Generally the before dawn hours for this years Perseids were disappointing. August 25 KICD 107.7 Spencer, Iowa on tropo at 1125. At 1700 logged WHIL 107.9 at 1410 miles on meteor burst at ID time. August 26 0745 KCFM 93.7, KGRV 107.7 on tropo (458 miles). 1705 KWWL 107.9 on tropo until after 2220. August 27 KWWL on tropo again @0915, as on 8/29 along with WOI 90.1 from 0830 to 1900 approximately. August 31 same 2 plus KICD 1000 to 11:30. September 4 2057 to 2202 late season Es to Mexico with Mexico City stations on 88.6, 89.4, 90.4 and 91.4 in/out w/about 50% copy. Sept. 6 1755 WHHI 91.3, WHKW 88.7 (?? should be WHA Bob RWW), WDMB 107.1 (630 mi. and 1100 watts!) WIVC 106.9, KXEL 105.7, WHAD 90.7, WHRM 91.9, WHLA 90.3, KROC 106.9, KFJB 101.1, WHA 88.7, WWIA 93.3 (previously logged on meteors and Es), and KMMT 94.5 on tropo. These Iowa, Minnesota and Wisconsin stations in 550 to 725 mile range. Tropo died around 2215. Not much of a report I am afraid. To get results, you have to spend time at it ... which I didn't have this past month! (Sorry to see you leaving these pages Bob, but good luck on your business and we'll look forward to hearing from you in the future. RWW)

Jim Hayes 9 Henry Street Wilkes Barre, Pennsylvania 18702

While DXing FM these late summer months, it seemed I was always saying "Stop the music and given an ID", but anyway this is what I came up with. 8/12 0859 WJAC 95.7 Pa. Es 1130. WOCN 94.9 FL Oceanside Radio plus other UNIDs between 1120 and 1200. 8/13 0705 WRUN 103.9 N.Y. 8/19 WHCU 97.3 NY 0915 plus UNID Es in PM due to violent fading. 9/3 0845 WPEN 102.3 Pa. 0900 WHBI 105.5 NJ, 1400 WJAC 95.7 again. 9/6 Trops this time after 2300 2345 WXKW 104.1 Pa w/local signal, also usual WJAC. During whole period tonight local WYZZ was coming in over 103.1 instead of 92.9. It must have been a translator FM station probably from Allentown. Well, this concludes my first report. My total of stations DXed is a staggering 8, all listed here. I have been at this hobby now for a month and a half. (Welcome to our section Jim, hope to hear from you often)

RWW

Joe KurethSouthern Pine, No. Carolina

6/29 WVBR 93.5 NY 6:15PM first time noted Es on FM in N.C., WSEN 92.1 NY 6:23, WIGS 92.7 NY 6:30, CBF 95.1 Que. new country FM, WWSC 95.9 NY @6:55, these NY stations are a new state, WOTT 97.5 NY 6:47 and WDDS 93.1 NY @7:00. Opening on Es ended abruptly at 7:20 almost like somebody pulled a switch. 7/16 KSYN 92.5 Mo. @11:23PM new state, the one and only time logged FM Es in Maryland, at Ocean City was in 7/66, and KSYN was one of these logged. 7/18 trop to the South hi. WQIK 99.1 FL new state, farthest trop, WTOC 94.1 Georgia @12:41AM new state, WTMA 95.1 SC 12:42, WBBQ 104.3 Ga 12:51, WNOK 104.7 SC 12:55, WCSC 96.9 SC 7:40AM. Plan to move Aug. 1, but this will not change my PO box #address. Hope to get up an antenna with a rotor. I have a control box and motor. FM loggings (as of now, a poor 88) should double and TV will be much improved.

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

Not much activity here, still, what with having to work 12 to 8 shift, that kind of cuts into any early morning trop, of which have been quite prevalent these last few weeks. Here's what I have caught tho: 9/1 WDLB 106.5 \$ Marshfield, WI @12:05P w/local nx, then Paul Harvey. Good WI/MI opening, but that's only one new. I counted 55 strong FM signals from bottom to top of the dial! 9/18 excellent TV opening to South with 7 new stations logged, but did manage to catch 3 new FMs, namely WCIL 101.5 ILL @7:00P w/local ID, FB promo, WFIW 104.9 Ill. @7:10 w/local nx and WROY 97.3 Ill. @7:30 w/ID, easy listening mx. WROY was really coming in w/a beautiful signal. WSIU 91.9 was so strong it rivalled super local WYCA 92.3 in strength. On the local front, I have taken a part time job at WMCB FM 95.9 or FM 96 as they call it. They are chicken rock, have horrid conditions for a studio, but at least I'm back behind the mike again. Totals now at 339.

HQ 3

HAPPY DAYS AND SAD HAVE OCCURRED HERE LATELY IN MILWAUKEE. ORVILLE AND SALLY HAD A BABY THE LAST WEEK IN AUGUST; "UNCLE BILL". WEIGHED IN AT 2 LB 8 OZ AT THE ZOO HOSPITAL. (UNCLE BILL IS A SIBERIAN TIGER CUB.)

A FEW DAYS LATER THE SAD NEWS OCCURRED; VINC LOMBARDI DIED. THE PACKERS WERE THE ONLY REGULAR TENANT OF MILWAUKEE COUNTY STADIUM FOR SEVERAL YEARS WHILE WE HAD NO BASEBALL TEAM, SO VINC AND FRIENDS WERE WELL-KNOWN IN MILWAUKEE AND THROUGHOUT THE STATE AND THE NATION. VISITORS TO THE AREA SEE MANY TALL ANTENNAS AIMED AT WBAY-2 AND WISC-3 TO RECEIVE THE PACKERS GAMES WHEN BLACKED OUT BY WISN-12, WHICH OCCURS WHENEVER THEY PLAY IN MILWAUKEE.

AT THE DUNKIRK CONVENTION WE WERE INFORMED THAT TORONTO'S CHANNEL 19 WOULD BE ON THE AIR SHORTLY, AND I FIGURED IT WOULD BE RELATIVELY EASY TO GET CICA-19 WHENEVER OUR LOCAL WTV-18 IS OFF THE AIR. CICA IS TO BEGIN EARLY MORNING PROGRAMMING AND WTV DIDN'T COME ON THE AIR UNTIL LATE MORNING; THEY CAME ON LATE UNTIL THE DUNKIRK CONVENTION, THAT IS. UPON RETURNING FROM DUNKIRK I HEARD EVTV BRAGGING ABOUT THEIR NEW STARTING TIME, BEGINNING PROGRAMMING AT 0700, CDT ON WEEKDAYS! THE TWO TIMES SINCE THAT I HAVE GOTTEN UP AT 0530 THEY WERE ALREADY TESTING, SO THE DAY IS SHOT.

ABOUT THE SAME TIME I ALSO DISCOVERED A NEW "LOCAL" STATION; WNDU-16 IN SOUTH BEND, INDIANA HAD BEGUN BRAGGING ABOUT THEIR NEW TOWER AND POWER AND WERE PUTTING IN A STRONG SIGNAL HERE ALMOST CONSTANTLY. WITH 3770KW AND A 1072 FT TOWER, THEY RUN RINGS AROUND WSBT-22 NOW, THE FORMER SOUTH BEND CHAMP.

AUSTRALASIAN SCENE

Glenn Hauser, editor
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or
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Korat Royal Thai AFB
Nakhon Ratchasima
Thailand

OCTOBER, 1970

"Summer may not be the best DX season for you," Bob Cooper told me in a letter this summer. "TE should start around the first of September." Propagation Prophet Cooper was right on both counts. After a summer with only a handful of Es openings, September began with a bang, as AFKN skipped across China from South Korea--and soon afterwards television from Karachi and New Delhi were becoming almost routine! Despite their not being across the equator, the western catches were, I suppose, "TE"--with very broken video and flutter fading audio. And the frequency was a bit high for F2, ch. E4, 62.25/67.75 MHz. AFKN Seoul may have been F2, however. I'm at 15°N and the bearing on Seoul is 39°; Karachi is 293° and New Delhi 305°--not exactly what you would expect for TE.

A surprise Es opening hit in mid-September from Manila and there was quite a bit of DX on VHF radio, aided by a newly-installed vertical dipole cut for 51 MHz. Not a hint of Australia or New Zealand yet, however. From the log, times local TST (GMT+7; CDT+12):
18 July at 1715, mild tropo, HSA-A3 relay stronger than usual; even occasional sync from HSA itself on E7. 1815 HST-4 program on A8 //local A12. Likely Khao Yai translator from SW although it could have been Rayong too.

19 July at 1159, brief Es opening from Manila ch. A2, ABS/CBN slide; also signs of skip on ch. A5 at 1210.

20 July at 1730, woman dictating in Chinese dialect on 32540 kHz, 2x16270, Hsinhua News Agency outlet.

23 July 1145, VOA Philippines in Vietnamese on 35660, 2x17830.

26 July 1252, Chinese Opera from Peking on 34515=3x11505; at 1800 same station as 20 July.

27 July 1750, R. Peking in Cambodian on 37846=4x9461½ kHz; also in Spanish at 1755 on 34955 kHz, fundamental unknown. 1802, Hsinhua again on 32540, and at 1835, R. Peking in Chinese dialect on 36045=3x12015 kHz.

3 Aug 1530, R. Peking in English on 46290=3x15430.

12 Aug tried for Manila and Singapore on Perseids; all I got was a burst sounding like Thai on 94.2 MHz at 0705! Then on vacation to Chiang Mai; noted a few local FM stations.

25 Aug 2000, local Korat station now on in the evenings on 89.85 MHz.

30 Aug 2200, local on 98.9 //AM 797 kHz, ID as "sun-saam" (03, the Thai AF region number).

1 Sept the BIG day, 1755, video from NE on ch. A2, seemingly more than one station; vertical sync indicated it was 525 line, but horizontal was erratic. 1759, an ID slide! with AFKN in large block letters, dark on light, in the lower right. 1800, newscaster wearing a high-contrast tie; the word NEWS to his left, light block letters. I had to go to work immediately, but compensated for this loss by calling AFKN. Spec/5 Noerdlinger, the man at the control board, confirmed my description! While surprised at my reception so far away, he seemed equally impressed by the phone connection, via military satellite. Seoul is 2184 miles from here. Two other lower-powered AFKN relays are also on ch. A2.

2 Sept 1417-1605 fadeout, KBS FM link at Suwon, South Korea on 44300 kHz, Korean talk and home service programming; often heard since; serves as "beacon" for MUF. 1735, R. Svoboda, Taiwan in Russian, 35440=2x17720. 1825, another KBS link on 49300, unlisted and often heard since, not always at same time as 44300; had play-by-play in Korean. Also 50-Hz video buzz on 49750, the video carrier frequency of Russian/Chinese ch. 1. Heard many times since but have never been able to pull any audio on the TV set no matter how carefully I insert video carriers for 56.25 MHz audio; evidently too low for set to reach. Faded out around 1840. A number of Soviet and Chinese TV stations are on this channel in the vicinity of Korea.

3 Sept 1440, Russian 2-way on about 39250, only one side heard with numbers intermittently until 1515: 1655, R. Peking, commentary in English on 46305=3x15435. 1703, KBS FM link on 45885, play-by-play. Not sure where this is in S. Korea. 1805 skip, probably Es, opened on ch. E3 weakly; kiddie show, apparently in Malay, overriding and sometimes mixing with

HSTTC-E3 Bangkok. 1815, various ads in Malay (Joy, Elastoglass, etc.), 1818 Petticoat Junction in English. Out by 1820. Likely TV Malaysia, Johore Bahru, 905 mi, altho Semarang, Indonesia possible. Taped report to be sent. 2400, R. Peking Russian service on 29000=5x5800 kHz.

4 Sept 1535, KBS-44300, and 1540, KBS-45885 with dramatic talk in //. KBS ID noted on the latter at 1659, and it reappeared around 1810, as did 44300 at 1805. 1825, R. Peking closing in Lao on 45090=3x15030.

5 Sept 1540, harmonic from India for the first time, raising some hope of DXing India's sole TV station. AIR western service in Urdu on 38704; barely audible also on fundamental 9676 kHz (x4) including ID at 1559. 1615, Russian numbers with background noise like aircraft on 44678. 1630, KBS-49300, peaking at 1715 out by 1730. Whenever the MUF was this high I checked carefully for AFKN-TV on ch. A2. 174 5, All India Radio's General Overseas Service (English) from Delhi on 43110=2x21555, s/off at 1800. 2050-2115, Japanese language 2-way on approx. 41900. THEN, at 2150 VIDEO on ch E4--easily overriding Thai-A3, 1 MHz below. In order to hear the E4 audio with VCI I had to tune low on ch A4. 2200, news about India in Hindi; 2210, documentary or drama. New Delhi or Karachi possible. Hereafter you can be sure I frequently checked for evening TVDX daily (except Tuesday when I had to work). Delhi is 1845 miles from here; Karachi is 2255.

8 Sept 1355, Russian 2-way counting on 37500; 44300, KBS at 1402, peaking at 1410-1420 when video signs were on ch. A2. 1535, grinding jammer "MU" with ID once at a time on 43236 kHz. Soviet or Chinese harmonic from shortwave. 1550, William Tell Overture and chime on 48290; reminded me of Broadcasting Corp. of China. 1605, video buzz-49750; 56.25 MHz was monitored with VCI until 1710 but nothing showed. By then there was a bit of video QRM on ch. A2 tho.

9 Sept. 1450, Japanese 2-way on 42290; 1501, KBS-44300, and 1515 on still another freq 44890.

10 Sept. 1505, KBS-49300 and 44300; 1520, buzz-49750; 1615 R. Peking in Malay on 45240=15080 x3. 1620 Russian numbers on 36185; 1635, R. Sboboda, Taiwan on 35560=2x17780 where jammed.

11 Sept 1954, AFKN-TV again on A2. Video garbled but audio clear with VCI: filler program "USA on Camera," 1959 ID and news promo, KST, tone and newscast at 2000. 2015 PSA on space-available flights, 2016 sports, 2025 ID and fade soon after. Checking ch. E4 I found two stations QRming, one in non-English, the other with AIR interval signal familiar from SW. 2034 ads in English on one of them; 2137 news in English; 2230 still in, weak.

12 Sept 1440, KBS-49300, buzz-49750 too. After 2200, E4 station, very broken and weak; 2223, BOAC ad in English, 2255 car ad, 2305 fade out.

13 Sept 1512, two-way station on 50300, call like DU4NA or VU4NA (Philippine or Indian 6m ham) until 1530; also buzz-49750. 1545, KBS sports on 44300, 45885, 49300 and 47500.

16 Sept 1300, KBS-44300, timesig and ID; buzz-49750 at 1615. 1620 Peking on 46305=15435:3. 1750 AIR on 43110. 2000, for a change of pace the Phuttaisong xltr on tropo with news; ch. A9 but also visible darkly on A10--defect? 2029 (Delhi's listed s/on time) checked E4: video hash and audio mix; 2032, Huckleberry Hound, 2039 ad for Habib's Bank and others--the strongest such signals to date. Video occasionally synched and lots of photos taken--maybe one or two will show something recognizable. 2059 ads for Capri, Union Bank, world news in English, 2105 Pakistan news. Fade abit, but at 2140 national music, 2207 news by lady in language; after 2220 video QRM let up (one of stations may have gone off) so I took some more photos. 2315, still in, ad with electronic sound effects; 2317 film feature about swimming for women; 2341, Indian national anthem--long past Delhi's sked sign off time of 2230.

17 Sept 1400, KBS-49300 and 44300.

19 Sept 1020, surprise Es from ABC-A5 Manila (photo of "5" slide), various ads, out by 1030. Also DZAQ-A2 at 1020, ads, IDs, (photos of call slide plus those of two relayers actually on ch. A3 and A10. 1036, soapera, out by 1040. 1610, KBS-49300 but not 44300; until 1640. 1705 AIR harmonic on 43110, plus buzz-49750.

20 Sept 1650-1715 strong CCI ch A2 from east; one surely Manila, with western movie in Eng. 1759, KBX-44300. 2030, Karachi/Delhi on E4, hash QRM and audio from at least two stations (several other SWAsian E4 stations I would like to get!) More photos and recordings. 2155, Pakistani ads mixed in English and Urdu; 2203 Ironside in Eng, gradually losing strength and out before 2300.

21 Sept 2035 ch E4 again, music and talk, but out by 2100. 2136, Chinese harmonic on 36315 which I finally located as the 9th harmonic of Lhasa, Tibet on 4035 kHz! At 2200 went into lang, maybe Tibetan. 2203 also on 7th harmonic, 28245. Not audible on even harmonics 8 & 10. First time I have heard any distant harmonic above the 6th! Must have been Es as Lhasa is only 1230 mi from here, bearing 327°.

Until the next, 73 de Glenn

With the DX season over for another year, the October, 1960 A.I.P.A. bulletin shrank to a mere 14 pages, prompting editor King Schafer to lament, 'the problem we always face during the slow months is the lack of material....So if you can muster the time, don't forget your bulletin editors...'

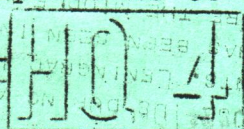
Frank Wheeler was statistics editor, then, and in addition to listing channel 3 records this month, he had a regular listing of 'Standings of Active Members', the top ten of which is reprinted here.

There were two new editors for the October '60 bulletin. Their names are still heard on occasion, even now. The FM editorship went to Dave Janowiak, and Ferdie Dombrowski took over the 'International DX' column.

There was very little DX to report ten years ago this month. Both the Eastern and Western DX columns checked in with a single page each.

Bill Draeb was conducting 'Your AIPA Monthly Meteor Scatter Column'. Bill mentioned his trop reception for the month, only four new stations; KDPS-11, KPLR-11, WSIX-8, and KNOX-10. Leave it to Bill always to find something new, even in 'off' months. This October column saw the announcement of a big MS contest, with a \$5.00 jackpot! It ran for seven months and entrants scored points for their MS reception, from one point for channel 2-4 500-999 mile reception up to 100 points for IDed UHF MS. We shall leave you in suspense as to the eventual winner!

STANDINGS			
1.	B Brown	AR	348
2.	F Hill	OH	291
3.	D Bourgeois	IA	276
4.	D Janowiak	WI	261
5.	B Nieman	NY	259
6.	B Draeb	WI	256
7.	J Bingham	MO	256
8.	B Eckberg	IL	214
9.	B Meers	KY	212
10.	E Eugal	KS	210



A NUMBER OF MEMBERS HAVE BEEN SENDING THEIR DX REPORTS TO HQ THE PAST COUPLE MONTHS. ALTHO THESE ARE USUALLY NEW MEMBERS WHO MAY NOT YET KNOW THE APPROPRIATE EDITOR TO RECEIVE THEIR REPORTS, SOMETIMES THE REPORT IS RECEIVED FROM A MEMBER WHO IS NOT NEW AND THEREFORE SHOULD KNOW HIS EDITOR IF HE HAS BEEN READING THE DIGEST. WE GET QUITE A LOT OF AMIL EVERY MONTH AND WE ARE NOT IN REGULAR CORRESPONDENCE WITH MOST EDITORS. HENCE, ANY DX REPORTS SENT TO HQ MAY BE DELAYED SEVERAL WEEKS IF NOT LOST ENTIRELY IN THE AVALANCHE OF MAIL.

- HERE'S AN INDEX FOR THE LAST VUD, (SEPT., 1970);
- 1 PG EACH: FRONT AND BACK COVERS, HQ, CADCO AD, EUROPEAN SCENE, CONVENTION 70, AND DX REPORT FORM.
 - 2 PG EACH: FCC-TV, FCC-FM, STATISTICS, AUSTRALASIAN SCENE, VHF RADIO.
 - 3 PG: EASTERN TV DX.
 - 4 PG: WESTERN TV DX.
 - 5 PG: CENTRAL TV DX.
 - 6 PG: FM DX COLUMN.
 - 3 PG: TECHNI-CORNER.
- TOTAL 38 PG, NOT IN LISTED ORDER.

SEEMS THE POST OFFICE HAS LOUSED UP EVEN OUR FIRST CLASS MAIL. TWO MEMBERS REPORTED NOT RECEIVING THEIR AUGUST VUDS SEVERAL WEEKS AFTER MAILING. BUT REST ASSURED, IF THEY LOUSE UP THE FIRST CLASS MAIL, THE THIRD CLASS IS TREATED TEN TIMES WORSE, DELIVERED "AT THE CONVENIENCE OF THE DEPT." SO YOU'RE STILL MUCH BETTER OFF WITH FIRST CLASS.

PHOTOCOPIES AVAILABLE FROM HQ FOR 15¢ EACH FOR THE FIRST 5 COPIES, AND 12¢ EACH FOR 6 OR MORE. WE CAN COPY CERTAIN OLD AIPA BULLETINS AS WELL AS WTFDA DIGESTS, BUT OUR SUPPLY OF AIPA BULLETINS IS ERRATIC AND EVEN WITHIN A BULLETIN WE DON'T HAVE ALL PAGES. I USE TO CUT THEM DOWN AND SAVE ONLY THOSE PAGES OR PARTS OF PAGES THAT I DEEMED IMPORTANT AT THE TIME. UNFORTUNATE BUT TRUE. I DIDN'T KNOW THEY WOULD BECOME COLLECTOR'S ITEMS SOMEDAY. I ALSO HAVE A COMPLETE FILE OF EUROPE DX TV CLUB BULLETINS AS I WAS A MEMBER DURING THE ENTIRE YEAR OF ITS EXISTENCE, 1963-4..... THE CURRENT TV-DX EDITOR OF ENGLAND'S PRACTICAL TV MAGAZINE WAS AN EDITOR OF EDTC AND I WAS A GUEST EDITOR FOR A WHILE.

—EUROPEAN SCENE—

ROGER BUNNEY
TRELAWNE, CUPERNHAM LANE
ROMSEY, HANTS, So5 8JH
ENGLAND

THE PERIOD UNDER REVIEW THIS ISSUE IS MID-AUGUST TO MID-SEPTEMBER, 1970.

THERE HAS BEEN A DECLINE IN ES AS EXPECTED, BUT IN MID-AUGUST THERE WAS SOME ES EVIDENT WITH OPENINGS INTO MOSE EUROPEAN AREAS FROM HERE ON THE SOUTH COAST OF ENGLAND. THOSE IN OPTIMUM AREAS ALSO HAD TROPS OPENINGS INTO WEST GERMANY UP TO CHANNEL 59, UP TO 650 MILES AROUND 20-24 AUGUST. MY RECEPTION HERE, EXCLUDING UNIDS:

15 AUG. RUMANIA 02; JRT E4; RAI 1B; ORA E2A; W.GERMANY E2; USSR 01,02.
16TH: CZECH 01; USSR 01; RAI 1A; BRT E2(TROPS).
17TH: DFF E4,(GDR). 21ST: TVE E2,E3; TVE2 E2; JRT E3;E4; USSR 01.
22ND: RAI 1A,1B; JRT E4; ORTF F2; TVE E2,E4. 23RD: RAI 1A.
26TH: BRT E2,(TROPS); 28TH AND 30TH: DITTO. 31ST: ORF E2A,(TROPS).
4 SEPT: DFF E4,(GDR). 5TH: CZECH 01; TVE E3. 6TH: USSR 01,02; MT.01.
7TH: SWEDEN E2; RAI 1B. 8TH: DFF E4; SWEDEN E2; RAI 1A,1B; ORTF F2.
10TH: USSR 01; TVP 01. 11TH: W.GERMANY E4. 12TH: RAI 1A; ORF E5 BY Ms-SE LATER.
13TH: DEF E4; RAI 1B; NRK E2,E4; SWEDEN E2. 14TH: W.GERMANY E4; RAI 1B.
15TH: TVP 01; CZECH 01.

AUSTRIA IS IN THE DX NEWS HERE AT THE MOMENT. ON 24 AUGUST A 'FIRST' WAS ACHIEVED IN THE UK WITH THE RECEPTION OF CHANNEL E5 (HIGH BAND) PFAENDER TRANSMITTER RECEIVED IN MANCHESTER VIA TROPS. THE DISTANCE IS 680 MILES OVER SEVERAL HILL RANGES IN THE UK AND A CONSIDERABLY MOUNTAINOUS AREA IN CENTRAL EUROPE. THE DXER, ARTHUR THYNNE, FIRST NOTED SIGNALS WITH TEST CARD AT 1845,BST, BUT THEY FADED WITHIN 30 MINUTES.

THE SECOND 'FIRST' ALSO OF THE PFAENDER TRANSMITTER WAS BY ME ON 12 SEPT AT 0921 BST WITH A 3 SECOND Ms BURST OF TEST CARD: THEIR NEW DISTINCTIVE ELECTRONIC COLOUR CARD CONFIRMING THE COUNTRY. THE SIGNAL WAS OF FAIR STRENGTH.

WHILE ON THE SUBJECT OF Ms, ANOTHER DXER HAS HAD FAIRLY GOOD RESULTS WITH RECEPTION OF SWEDEN AND DENMARK ON E5 AND E6 DURING THE PERSEIDS SHOWER IN AUGUST. DENNIS BONIFACE IN RIPON, YORKSHIRE NOTED SIGNALS OVER SEVERAL DAYS IN MID-MORNING.

IN MY LAST COLUMN I MENTIONED THE RECEPTION OF THE RAI (ITALIAN) TEST CARD CARRYING THE IDENTIFICATION NUMBER 8. AS I COMMENTED LAST TIME, ALL TRANSMITTERS USUALLY CARRY THEIR OWN ID NUMBER; SINCE ALL STATIONS RECEIVED DURING THIS OPENING CARRIED THE "8" WE ASSUMED THAT THIS WAS SOME SORT OF INETWORK TESTING. I NOW HAVE TO HAND INFORMATION THAT NUMBER 8 ORIGINATES FROM ROME, THE CENTER OF THE ITALIAN NETWORK. CONSEQUENTLY IF THE 8 IS SEEN IN BAND 1, TESTS ARE BEING CARRIED OUT. (ROME IS ON CHANNEL G, IN THE HIGH BAND).

WE HAVE HAD CONFIRMATION THAT DENMARK IS USING THE PHILLIPS ELECTRONIC TEST CARD, AS USED ALSO BY LOPK NOS ON E4. THIS MAY CONFUSE IDs DURING AN OPENING.

FOR THE OPTIMISTS AND HIGH-BAND EXPONENTS, LENINGRAD IS OPERATING AN R8 EDUCATIONAL TRANSMITTER, NOT YET LISTED BY THE EBU. IT HAS BEEN SEEN IN FINLAND, HOWE VER.

A COUPLE PERSONAL NOTES ROGER ALSO SENT RE THE MIDDLE EAST. ROGER HAS A FRIEND WORKING AT THE TV STATION IN AMMAN, JORDAN WHO HAS EXPERIENCED SOME DIFFICULTIES, AND THESE OCCURRED BEFORE THE CURRENT CIVIL WAR. THE STATION HAD ALREADY BEEN MACHINE-GUNNED BY THE REBELS, AND ROCKETTED. HE ALSO HAD BEEN HELD CAPTIVE BRIEFLY BY THE AL FATAH. ITS ONE WAY OF SEEING THE WORLD.

UNTIL NEXT MONTH, GOOD DX,

Roger

THE SUNSPOT COUNT FROM THE SWISS FEDERAL OBSERVATORY, RELAYED BY SWISS-RADIO:

AUG. 1-7:	77	68	64	59	65	68	72
8-14:	82	76	71	75	73	92	94
15-21:	108	100	99	108	113	117	117
22-28:	108	101	116	106	114	91	101
29-31:	114	120	111				

MEAN COUNT FOR AUGUST: 92.9

PREDICTIONS FOR THE
NEXT SIX MONTHS:

SEPT.	95
OCT.	93
NOV.	91
DEC.	89
JAN.	87
FEB.	85

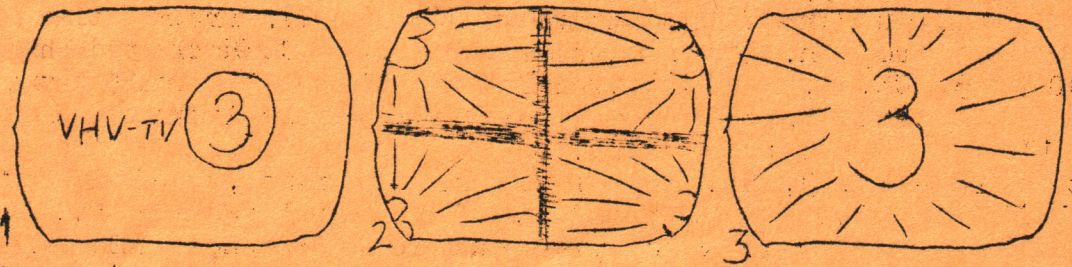
Bill Heusmann
1527 24th Street
Des Moines, IA
50311

Please note yet another address change. This one should be valid thru May of next year.
This month's CCI column consists of odds and ends from this entire last skip season. So, do a little digging back in your notes and see if you can help these fellows out.

We also have one identified mystery this month. Leslie Prus reports that Pat Dyers XHBR-11 is in Nuevo Laredo, Tams, according to the September 1, 1969 FBIS station list. No power is given.

Randy Miltier, 882 Pine Av., San Jose, CA 95125 PST
Sun. July 19 0821 Ch. 3, Es. Cartoon program. 0828 commercial for Rusty Root-beer, and then Sugar Smacks. 0832, Mumbler, King of the Jungle (Mumbler?!) was heard. Direction, EAST.

" " " 1132 Ch. 3, Es. ID as sketched below, #1. Call looked like VHV-TV, could have been XH-TV. Definitely three letters, with H in the centre. Sketch #2 seen at 1202, not properly locked in, probably looks like #3. Station was in sort of a negative form w/semi-local KCRA. Direction SE, KMID-2 was in at 0901. Station seemed to be showing an American Navy flick, no audio, so don't know language.

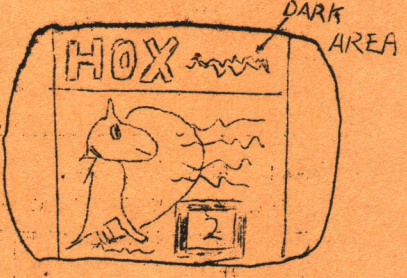


Jerry Pulice, 143 Gibson Av, Staten Island, NY 10308 EDT?
Mon. July 20 0601 Ch. 7, trop. Ø offset w/WABC, south-east. Looked like WITN, NC, but station was running a RETMA tp. Has WITN changed tp? (Offset is right for WITN bh)
Wed. July 29 0645 Ch. 5, very weak Es?? Religious talk show, west-northwest, slowly fading in and out. Not readable at all without 35 db. FET preamp. Not ms, didn't seem to be tropo, but possibly could be. Too weak to produce offset CCI when WNEW t/on.
& Thu. July 30

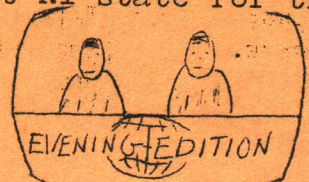
Ronald Le Blanc, 2524 Arizona Dr. Marrero. IA 20072
Station seen on Friday, June 26, at 1100 (CDT?). Came on with color bar pattern for about 45 minutes, then signed on w/ID sketched at left. The program looked like something educational, in Spanish. It lasted for a half hour and signed off. Ron has a tape of the show. Direction was south-southeast.



Other station was received last year, Panaman suspected. Ron has photo of it, but cannot remember direction. Letters HOX were at top left of screen, Below the call is what looks like some sort of animal sitting down. Writing to the right cannot be made out.
NOTE-No channel was mentioned for these two unIDs, presume they are both ch. 2.bh.



Leslie Prus, 1615 Pierre, Manhattan, KS 66502 EDT
Wed. August 12 1300 Ch. 3, Es. Movie: Ed Murphy's Hollywood Matinee-Dailling for Dollars
" " " 1330 Ch. 3, Es. Secret Agent. (Suspect NY state for these)
Wed. August 19 1900 Ch. 2, Es. Local news show, see drawing. (Suspect Carolina's)



MORE to come! (Next page)

Paul Luchter, 568 Rockville Ct., Oceanside, NY 11572 EDT
 Thu. June 11 1810 Ch. 2, Es. Slide reading, 'Sound Problems here
 Not in your set'
 1745 Ch. 2, Es. 'Katie's Place' childrens program. Station
 seemed to be educational.
 1800 Ch. 2, Es. Program produced by U. of Alabama Television,
 w/Carol Sloan as hostess. WDIQ??
 Mon. June 15 2100- Ch. 2, propagation unknown. 'Firing Line' w/William Buck-
 2115 ley. Probably an educational station. WGBH??
 Thu. July 2 1720 Ch. 6, propagation unknown. Start of 'Gilligan's Island'.
 WTEV??
 Sat. July 4 1803 Ch. 5, Es. Mentioned Lakeland during commercial, having
 country music program. Does WPTV serve Lakeland?
 1400 Ch. 3, Es. Almost positive ID slide read KOTV. Could it
 be a translator? If not, what??
 1850 Ch. 4, Es. 'The Wagon House', country music program.
 1905 Ch. 4, Es. Read 'Gary Long Reporting'.
 Mon. July 6 1900 Ch. 3, Es. Start of 'Early Edition News' Newsman announced
 as Bart Call (unsure of spelling). Probably from IA, SD
 region. 1904, newsman with word COOP on sign in front of him.
 Thu. July 30 1023 Ch. 4, Es. Commercial with address in Burlington and first
 three digits of a telephone number identified as 736. Be-
 lieved to be WHBF.
 10
 Mon. August 1829 Ch. 3, Es. End of 'Evening Report', followed at 1830 by
 'The Governor and J.J.' Believed to be CBHT. Same episode
 of 'Gov. & JJ' presented in U.S. the following night.
 Paul also wonders whether ID sketched at left could be
 WAST-13, Albany. Seen sometime on July 9.

0 13

73,
 Bill

HQ 2

OCTOBER COVER:

LAST MONTH'S AUSTRALASIAN SCENE
 GAVE FURTHER INFO ON THESE:

ROGER BROWN INDICATED THAT HE IS ANTICIPATING
 A CHANGE OR TWO IN THE COLUMN AND WANTS TO
 HEAR FROM HIS READERS ABOUT WHAT FORMAT THEY
 PREFER AND ANY OTHER SUGGESTIONS.

HE ALSO COMMENTED THAT NO ONE HAD MUCH
 TO SAY ABOUT THE PERSEIDS METEOR SHOWER SO
 THERE WAS NOTHING TO REPORT. NOTICE, ROGE,
 THAT ROGER BUNNEY HAD A PERSEIDS REPORT SO
 IT WASN'T A TOTAL BUST, AT LEAST NOT ON THE
 OTHER SIDE OF THE POND.

WE SUGGEST THAT REPORTERS GET THEIR RE-
 PORTS TO THE EDITORS ON TIME BECAUSE WE ARE
 REQUIRING THE EDITORS HENCEFORTH TO GET THEIR
 COLUMNS TO HQ ON TIME. DEADLINE HERE IS AND
 ALWAYS HAS BEEN THE 20TH ALTHO FEW EDITORS
 HAVE CONSISTENTLY HONORED THAT REQUEST. PUB-
 LICATION DRAGS OUT OVER A WEEK OR MORE DUE TO
 LATE RECEIPT OF STENCILS AND ALTHO WE HAVE
 WARNED THAT WE RESERVED THE RIGHT TO REFUSE
 ANY COLUMN RECEIVED LATE, PREVIOUSLY WE HAVE
 NEVER DONE SO. FROM NOW ON WE WILL, HOWEVER.

VHF-UHF DIGEST STANDARD LOGO.	SIGN-ON OF THAI TV CHANNEL 12 RELAY. PART OF ANIMATED S/ON SEQUENCE; SYMBOL IN LOWER RIGHT IS LOGO OF BANGKOK-CHANNEL 4.
THAI ARMY TV, CH. 3 RELAY, SEMI-LOCAL AT GREEN HILL. SOME KIND OF TEST CARD.	TTV-12. LIVE ANNOUNCER GIVES PROGRAM SUMMARY. YOU NEVER SEE THEM ON CAMERA IN THE USA BUT ITS COMMON ELSEWHERE.
MANILA TV. Ad/PROMO FOR MALERVA w/ CH. 2 LOGO; DOUBLE VIDEO FRAME.	MANILA'S CHANNEL 5 AS RECEIVED 22 JUNE 70; THIS IS THE STRONGEST OF THE THREE MANILA CHAN- NELS RECIEVED IN SIAM.