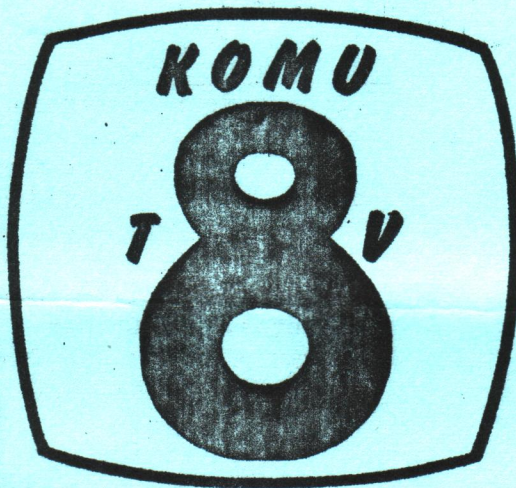
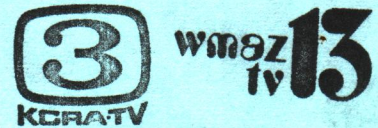


VHF-UHF DIGEST

March 1970



COLUMBIA



Come One - Come all! The WTFDA annual convention is coming up fast. Be sure to make plans now for a great time at Bob Seybold's this summer. Tentative plans call for our yearly get together to take place in August. More details will be forthcoming in next month's issue of VHF-UHF Digest. Let Bob know if you think you'll be able to make it, so he can start planning now!

Renewals. It's that time of the year again for a goodly number of you to renew your membership to WTFDA. Those due in March include Bill Bens, Charles Batson, Tom Buchanan, J. Campion, Paul Ciceri, K. Cooper, Pat Dyer, D.Q. Glenn, Dennis Glenn, Bill Grant, Kermit Harrison, Mike Northam, Ed Pelissier,, J. Ramsey. Due in April are Bill Pait, Bill Heusmann, H. Demming, Bill Eckberg, P. Merrill, Bill Sigley.

THE SUBJECT OF EDITORS. Last month there was apparently some misunderstanding about the division of columns for easier workloads among editors in our bulletin. Although there was a call for volunteers, this plea was a bit premature. Despite a dearth of volunteers (which were welcomed at HQ) the FCC DX column will continue to run as one column under the editorship of Roger Winsor. A lack of reports prevented this column from appearing in January. In February, Rog was layed out with an illness, so he unfortunately missed his deadline. For those who volunteered, we cordially invite you to take over the FCC News and DATA (F) column which has been sorely in need of an editor since Mark Lewis was forced to give it up. Please contact HQ if you would like to fill this serious void in VHF-UHF Digest. Your publisher, Ferdinand Dombrowski, will be in contact with all those who recently volunteered for columns in the near future.

WTFDA PUBLISHING STAFF

F.S. Dombrowski
 Corrie Goldman
 Dave Janowiak
 Gary Olson
 Bill Heusmann (on leave of absence)
 *many thanks to Roger Winsor who came to Milwaukee to join the ranks of the WTFDA publishing staff this month. Rog, hope you'll join us again!

WTFDA COLUMN EDITORS

HQ Page: your publishing staff
 Eastern TV DX: Roger Brown
 Dave Pomeroy
 Western TV DX: Dennis Smith
 FCC News and Data - TV: Gary Olson
 FCC News and Data - P: (editorship vacant)
 Techni-Corner: Dave Janowiak
 Tech-notes: Bob Cooper
 Propagation Land: Bob Cooper
 Special Features: Corrie Goldman
 CCI: Bill Heusmann
 FM DX: Roger Winsor
 European Scene: Roger Bunney
 Station Break: Corrie Goldman
 Statistics: Glenn Hauser

Missed a bulletin?

If you have not received your WTFDA bulletin for any month in the past, contact headquarters!

VHF-UHF DIGEST

IS THE OFFICIAL MONTHLY PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION. PUBLISHED THE LAST WEEK OF EVERY MONTH AT WTFDA HQ. MAKE CHECKS PAYABLE TO THE CLUB, SEND TO: P. O. Box 5001, MILWAUKEE, WI. 53204, USA.

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STATISTICS

Glenn Hauser, editor
Box 1466

MARCH

AP0 San Francisco 96288

1970

CHANNEL 6 TROPO TVDX RECORDS

Call	Location	Miles	DXer, Location	Comments
WBRC	Birmingham AL	655	Glenn Hauser, Enid OK	
KVIO	Eureka CA	235	Robert Cooper, Jackson CA	
KVIE	Sacramento CA	235	Dennis Smith, Wasco CA	
KSBY	San Luis Obispo CA	155	Randy Miltier, Campbell CA	
KRMA	Denver CO	180	Glenn Hauser, Trinidad CO	
KREZ	Durango CA	165	Glenn Hauser, Albuquerque NM	
WDBO	Orlando FL	550	Ed Bourgeois, Norco LA	
WCTV	Tallahassee FL	415	Carlton Howington, Homestead FL	
KTLE	Pocatello ID	215	Morris Foote, Middleton ID	now off
WFBM	Indianapolis IN	675	Glenn Hauser, Enid OK	
WOC	Davenport IA	580	Mark Lewis, Downsview Ont	
KTVC	Ensign KS	205	Glenn Hauser, Oklahoma City OK	
WPSD	Paducah KY	620	Robert Seybold, Dunkirk NY	
WDSU	New Orleans LA	660	Carlton Howington, Homestead FL	
KTAL	Shreveport LA	330	Glenn Hauser, Enid OK	was KCMC(TX)
WCSH	Portland ME	280	Eric Nelson, Sussex NB	
WJTT	Fansing MI	440	B. J. Bingham, Festus MO	
WLUC	Marquette MI	670	Fred McCormack, Des Lacs ND	
KMMT	Austin MN	550	Glenn Hauser, Enid OK	now KAUS
WDSM	Duluth MN	740	Frank Hill, Gallipolis OH	
WABG	Greenwood MO	125	Ray Foster, Monroe LA	
KIOS	Sedalia MO	405	Ferdinand Dombrowski, Milwaukee WI	
KHPL	Hayes Center NB	340	Glenn Hauser, Enid OK	
WOW	Omaha NB	570	Fred von Gunten, Berne IN	
KE2XNY	Camden NJ	165	John Cody, Middleton CT	(RCA expl stn)
KAVE	Carlsbad NM	190	Glenn Hauser, Langmuir Lab NM	
W06AB	Jamestown NY	110	James Pizzi, Rochester NY	
WRGB	Schenectady NY	245	Norm Erint, Kenmore NY	
WDFD	Wilmington NC	620	Carlton Howington, Homestead FL	now WECT
WDAY	Fargo ND	730	Glenn Hauser, Enid OK	
WTVN	Columbus OH	410	Fred Nordquist, Syracuse NY	
KOTV	Tulsa OK	640	Dave Janowiak, Milwaukee WI	
KOIN	Portland OR	225	Charles Wood, Ashland OR	
WJAC	Johnstown PA	620	B. J. Bingham, Festus MO	
WFIL	Philadelphia PA	535	Denny Cline, Eastport ME	
WTEV	Providence RI	425	Dennis Smith, Little Creek VA	
WJBF	Augusta GA (SC)	550	Ed Bourgeois, Norco LA	
KPLO	Reliance SD	620	B. J. Bingham, Festus MO	
WATE	Knoxville TN	775	Glenn Hauser, Enid OK	
KFDM	Beaumont TX	890	Carlton Howington, Homestead FL	
KRIS	Corpus Christi TX	1075	Carlton Howington, Homestead FL	
KCEN	Temple TX	355	Glenn Hauser, Enid OK	
KCMC	Texarkana TX	245	Glenn Hauser, Oklahoma City OK	now KTAL(LA)
KAUZ	Wichita Falls TX	180	Glenn Hauser, Enid OK	also as KSYD
WTVR	Richmond VA	380	William Nieman, Buffalo NY	
WHIS	Bluefield WV (VA)	600	Bill Draeb, Kewaunee WI	
WITI	Milwaukee WI	625	Larry Vogt, Springfield VA	
CHBK	Victoria BC	180	Doris Johnson, Longview WA	
CBWT	Winnipeg Man	215	Fred McCormack, Des Lacs ND	
CFCL	Timmins Ont	395	Richard Nieman, Buffalo NY	
CBLT	Toronto Ont	410	Bill Draeb, Kewaunee WI	
CBMT	Montreal PQ	280	John Cody, Middletown CT	
CKCK2	Willow Bunch Sask	30	Morrise Sorensen, Big Beaver Sask	more

CMJL	Camaguey Cyba	335	Carlton Howington, Homestead FL
XETV	Tijuana BCN	330	Robert Cooper, Fresno CA
WIPR	San Juan PR	95	Robert Cooper, Frederiksted VI

ADDITIONS AND REVISIONS TO TV DX RECORDS

2	Santa Marta	Colombia	2210	Robert Cooper, Oklahoma City OK	Cooper 765
3	K03CR	Tie Siding etc WY	5	Bill Heusmann, mobile	KBTB 9
	XHCV	Coatzacoalcos Ver	1195	Robert Cooper, Oklahoma City OK	new
4	K04AX	Rifle CO	25	Bill Heusmann, mobile	KREX 5
	KWAB	Big Spring TX	T 300	Robert Grace, Franklin TX	new
5	KHBV	Henderson NV	1110	Robert Grace, Franklin TX	McCormack 1095
	K05BK	Green River UT	0	Bill Heusmann, mobile	KSL 5
7	K07HH	Julesburg CO	0	Bill Heusmann, mobile	KHPL 6
	K07CF	S. Rifle CO	0	Bill Heusmann, mobile	KREX 5
	K07GD	Glenwood Springs CO	5	Bill Heusmann, mobile	KREX 5
9	K09DU	Glenwood Springs CO	5	Bill Heusmann, mobile	not KFEC 5
	K09GS	Carlin NV	10	Bill Heusmann, mobile	KBTB 9
	K09DP	Coalville UT	0	Bill Heusmann, mobile	KTVB 7
	K09##	Emery UT	0	Bill Heusmann, mobile	KSL 5
	K09CX	Green River UT	15	Bill Heusmann, mobile	KUTV 2
	K09OI	Lyman WY	5	Bill Heusmann, mobile	KUTV 2
10	KBIM	Roswell NM	450	Robert Grace, Franklin TX	KSL 5
	K10CT	Salina UT	0	Bill Heusmann, mobile	Hauser 190
	K10FQ	Big Laramie Valley etc WY	10	Bill Heusmann, Laramie WY	KCPX 4
11	K11AY	Carlin NV	10	Bill Heusmann, mobile	KOA 4
	K11DW	Coalville UT	0	Bill Heusmann, mobile	KOLO 8
	K11DO	Emery UT	0	Bill Heusmann, mobile	KCPX 4
	K11DN	Lyman WY	5	Bill Heusmann, mobile	KCPX 4
12	K12AZ	Emery cnty UT	20	Bill Heusmann, mobile	KUTV 2
	K12CU	Salina UT	0	Bill Heusmann, mobile	KSL 5
13	K13BB	Carlin NV	0	Bill Heusmann, mobile	KSL 5
17	WJRJ	Atlanta GA	755	Robert Cooper, Oklahoma City OK	KSL 5
18	WCLP	Chatsworth GA	725	Robert Cooper, Oklahoma City OK	Cox 215
	K18AA	Salina KS	230	Robert Cooper, Oklahoma City OK	new
19	WHNT	Huntsville AL	630	Robert Cooper, Oklahoma City OK	new KCKT 2
25	WHIQ	Huntsville AL	630	Robert Cooper, Oklahoma City OK	Luoma 560
28	WJSP	Warm Springs GA	755	Robert Cooper, Oklahoma City OK	new
30	WETV	Atlanta GA	755	Robert Cooper, Oklahoma City OK	Olson 580
35	WKMA	Madisonville KY	560	Robert Cooper, Oklahoma City OK	new
36	WATL	Atlanta GA	755	Robert Cooper, Oklahoma City OK	Draeb 495
40	WHMA	Anniston AL	675	Robert Cooper, Oklahoma City OK	new
42	WBMG	Birmingham AL	625	Robert Cooper, Oklahoma City OK	new
50	KCIT	Kansas City MO	300	Robert Cooper, Oklahoma City OK	Olson 495
70	K70AR	Castledale UT	10	Bill Heusmann, mobile	new
72	K72AQ	Delta UT	5	Bill Heusmann, Delta UT	KSL 5
74	K74BH	Winnemucca NV	10	Bill Heusmann, mobile	KUTV 2
78	K78BA	Winnemucca NV	10	Bill Heusmann, mobile	KOLO 8?
80	K80BI	Winnemucca NV	10	Bill Heusmann, mobile	KBOI 2
					KTVB 7?

FM RANK

Rank	Stations	States	Provinces	Countries	DXer
1	113	12	2	2	Fred Nordquist, Syracuse NY
2	74	4	1	2	Frank Wheeler, Erie PA

That's the extent of new rank reports received here. Unless substantially more interest is shown, the rank listings will be discontinued.

NEXT MONTH: Channel 2 revised records. IN MAY: Meteor Scatter records. 73 de Glenn

BOB'S

1/24/70

BOB'S TECH NOTES
MARCH 1970

Page One

TECH-NOTES

PCTPCURRI - 70

The early January Meteor Shower (MS) period, known as the Quadrantids, is apparently a vastly under-rated major annual shower. The shower rises (ie. begins to pepper North American skies with meteorite debris) at 2300 (11 PM) local standard time, and does not set (ie. quit) until 1800 (6 PM) LST.

My first experience with this shower, indeed with any shower of major proportions, was in 1955 in Fresno, California. I happened onto this shower quite by accident around noon on the fourth of January, and logged many excellent test patterns from KBCI and others to the north and NE of my central California location.

Although the shower rises at 2300 and does not set until 1800 the following date, and the shower is supposed to give good reception as early as 0300 (on NW to SE paths), my experience has been that the really outstanding part of this shower is between 1100 and 1400 (11 AM to 2 PM) over north-south and northeast/southwest paths. This year the shower had a very pronounced peak during those hours on the 3rd of January. The second was above average also, but the fourth was virtually free of any meteor activity other than the usual random bursts.

By comparison, the meteor burst count between 1100 and 1400 on the 3rd was greater than the count during the peak periods of the annual Perseids shower in August or the Geminids shower in December. And best of all, the bursts were typically long (2-5 seconds on FM).

The unfortunate part about the shower is that it does peak during the 1100-1400 time period. This makes TV DXing very difficult if you have much local activity - unless of course you have a low band channel or two free of any but deep fringe signals in the desired directions. And few if any (other than Canadian) stations run test patterns that late in the day, so at best you are faced with a bunch of network type programming bursts - or if you are very fortunate, a local noon time newscast.

FM MS DXing is another story in that time period. If you are fortunate enough to catch identification information, you can add several stations in the 600 to 1,000 mile range in short order.

The shower won't be around again until January of 1971. However, when it does, the dates January 2, 3, and 4 are well worth your time and interest.

Meteor Speed v.s. Distance

Altho it is not generally known, the speed at which the traveling meteorite particles strike our ionosphere determines to a large measure the optimum distance for MS reception during a shower.

As an example, the annual August Perseids shower has an average meteorite particle velocity of 61 kilometers per second. This shower is good for reception in the 800-1200 mile range and reception out to 1,500 miles has been reported on occasion. The annual Geminids shower in December has a velocity of 35 kilometers per second for the average

Geminid particle, and reception ranges for this shower are typically in the 500 to 900 mile range.

In short, the slower the speed of the particle, the closer it comes to earth before it ignites (burns) and leaves an ionized trail behind it to reflect VHF TV and radio signals.

Armed with this information, the alert TV and FM DX'er has but one more bit of reasonably sophisticated information with which to plan his attack on various states and stations he wishes to log. (I.e. it would be foolish to look for a state or station 1,200 miles away during the Geminids shower; just as it would be foolish to look for a state/station 600 miles away during the Perseids.)

The following table, when added to Meteor Shower information presented in the January 1970 bulletin, will enable you to carefully screen the possibilities of any shower you wish to 'tune-in' on.

<u>Shower</u>	<u>Dates</u>	<u>Speed</u>	<u>Optimum Distances</u>	<u>Notes</u>
Quadrantids	Jan. 3-4	45 km/sec.	700 - 1,000	7-800 miles best
Lyrids	Apr. 19-23	51 km/sec.	700 - 1,100	
Aquarids	May 1 - 6	66 km/sec.	900 - 1,200	
Aquarids - 2	Jly 26-31	50 km/sec.	700 - 1,000	
Perseids	Aug. 10-14	61 km/sec.	800 - 1,200	800 - 1,000 best
Giaconobids	Oct. 9	20 km/sec.	400 - 700	1972 Peak Year
Orionids	Oct. 18-23	68 km/sec.	900 - 1,200	
Taurids	Oct. 26/ Nov. 16	27 km/sec.	500 - 800	
Leonids	Nov. 14-18	72 km/sec.	900 - 1400	1999 Peak Year
Andromedids	Nov. 22-30	22 km/sec.	400 - 700	1971 Peak Year
Geminids	Dec. 10-14	35 km/sec.	500 - 1,000	700-900 Best
Ursids	Dec. 22	38 km/sec.	500 - 1,000	1971, 72 Peak

In addition to these, the Arietids Shower peaking on June 8th has a particle velocity of 70 km/sec. and a count of up to 70 per hour, peaking on north/south paths 0600-0800 and 1300-1500. Optimum distances would be in the 900 - 1400 mile ranges.

The Optimum Distances shown are a reflection of the distance-region from which the greatest majority (perhaps 75 % or more) of your bursts will come. In effect, this allows you to pin down the likely station sources for programming seen or heard based upon how frequently the same program material is logged, as a function of optimum distance for any

given shower. For example, if on FM you receive 8 bursts of a basketball game for every two of a heavy soul station, chances are the basketball game comes from a station located within the Optimum Distance range for that shower, while the heavy soul station is closer in or further out than the optimum distance (closer in is usually the best guess).

.....The Approaching Sporadic E Season

Not too far away is the annual summer E_s season. There are things that you can do to prepare for this summer's season, and to make sure you are able to take full advantage of it.

Understanding the E_s habits is one of those things. Over the years it has become apparent that regardless of the strength of intensity of the E_s season each summer, the character of the E_s mechanism changes little from year to year. From this we may draw some qualified generalities for the summer ahead.

April: The summer E_s season that gets off to a good start in April is always a good season. April openings may start anytime after the first week in April. The first openings are usually late in the afternoon periods (3 to 7 PM LST) and usually start south of the Mason-Dixon line. IF the openings are hitting as far north as the U.S./Canadian border by the end of April, this usually suggests a better than average summer for E_s.

May: A slow May 1 to 15 (preceded by a slow or non-existent April) portends a bad summer for E_s (witness 1969). The last week in April signifies the start of the Caribbean area E_s month, and over the years many stateside DX'ers have logged far-south Central American and Venezuelan low band skip stations between the period April 25 and May 31. ANY opening to the south from your location should be carefully watched for signs of these rare stations and Guatemala (channel 3), El Salvador (channel 2), Panama (channel 2), Columbia (channel 2) and Venezuela (channel 2) are not all that rare - only hard to separate from co-channel interference. Virtually all such loggings have taken place between 3 PM and 7 PM LST.

June: June is a transition month. Much of the E_s activity between the first and 15th is concentrated to the region above the Mason/Dixon line. Sometime around the 10th we slip into the summer anomaly, or the period when E_s virtually stops and we have a hiatus of a week to ten days or virtually the entire country. Traditionally, immediately following the summer anomaly, or around the 20th of June, we have a concentrated period of good E_s, followed by a transition into the late summer pattern of July.

July: July openings are a mixture of early June (strong, intense openings) and unique July-only openings that are characterized by long single hop (1200-1500 miles), slow/rolling fading or very little fading at all, and weak signal levels. July usually comes in 'spurts' and virtually every year the period July 25-31 is

good for a day or two of last-of-season intense Es.

August: August dies slowly at first, with spotty openings the first ten days followed by virtually no openings north of the Mason/Dixon line the last half of the month - although openings to the south usually linger for those south of the magic line.

It is important to remember that more often than not, a good Es opening around a certain time period one day will repeat around the same time period the following day. This may last as long as 3-4 days. Low signal level, poor openings, are less likely to repeat the next day. Second day repeat openings are particularly significant when an intense opening occurs in the 3-7 PM time period, which is traditionally the best Es hunting time of the day anyhow.

.....Antenna For Es

Dave Janowiak has presented several excellent suggestions in his column during 1969 for utilizing low cost, inexpensive antennas for Es reception. The trick is to vertically mount (ie. all elements straight up and down, as opposed to parallel to the earth) an antenna for low band, so that it can be rotated. Because Es often changes the polarization of the received wave front, from its original horizontal form to something approaching vertical, we can re-polarize our Es antenna to the vertical mode and greatly cut down co-channel interference from local or semi-local horizontally polarized signals. This allows us to bring distant Es signals through the local signals where on our horizontal normal DXing antennas, the local or semi-locals are so strong that the Es signal just cannot make the grade. The same trick can be employed with a dipole, a low-cost all channel antenna, or even a big cut to channel yagi antenna. Of course if you have no low band locals, there is no point in your worrying about this!

.....High Band Es

E skip on high band (channels 7-13) is decidedly rare. However it is possibly made even rarer by DXer habits. When there is intense Es and skip on low band, few of us ever bother to check the high band channels. If you are in a good, intense, strong signal level Es opening that is bringing in good reception as high as channel 6 (or on FM if you are equipped for FM DXing), make it a point to check channels 7 and/or 8 every now and then this summer. Reception will look like low band Es, with very strong signals and heavy, choppy, fading. You may be surprised by what you see! And you will be among a very-very few that has ever seen high band E skip.

.....Horizontal Hold And Central/South Americans

Your horizontal hold control has a normal position at which all U.S., Canadian and most Mexican stations lock into sync. If, during an opening to the south you notice swishy semi-vertical lines (ie. a video signal out of horizontal sync) and a constantly changing pattern of white and grey areas molded into the swishy lines on the picture tube, chances are you have a station from a 50 cycle (current) country coming through. Re-adjust your horizontal hold to lock the picture into sync and hold your breath that you get an I.D.!

THE EUROPEAN SCENE

Roger Bunney, Trelawne, Capernham Lane, Romsey, Haunts, SO5 8JH, England

Unfortunately, Swiss radio omitted their usual sunspot information giving the daily count of the preceeding month, on the date expected. They gave on the following week, a summary of the sunspot gen as follows: January, the maximum number was 167, and the averaged daily count was 115.4. The predicted count for the next 6 months is (smoothed), Feb. 92, March 90, April 88, May 86, June 84, and July 82.

Conditions this past four weeks have been up to the usual expectations for the time of year, i.e., poor. As a general rule, there is little activity after the January quadrantids, and April usually shows the first Es. We have noticed that in the years of poorish sunspot activity, a mid-April opening was common, followed with about three weeks lull, and the Es season proper opened up. If the theory holds up this year, with the decline of sunspot activity, another six weeks of nil Es lies ahead.

From a TV point, the activity this past period consisted mainly of Belgium E2 by troops, and on 8 February, Holland appeared during the afternoon, carrying ice skating. This was an OB, from the USSR, Leningrad, via Intervision and Eurovision. The E4 signal lasted for some time. The 31st brought OmTF in from the North Coast, with Cherbourg F12, LeHavre F7 and the Channel Islands, channel B9. These are quite low powers, with ERP of 16 kw, 1 kw and 200 watts respectively (in the direction of the UK). The main E bursts have been from Sweden, E2. This has usually been in most mornings, in short bursts. Opening at 0700 on test card, they carry schools at 0800 GMT. Sweden now carry test card F, similar to the BBC. On one occasion, Norway, E4, on 8 February appeared on test card, type G. To summarize, LOUSY!

F2 has been active, and on the 22nd January, the highest frequency received across the Atlantic was 39.2 MHz, carrying police traffic, closely chased by another on 39.2. Over the period, F2 activity has remained at a high, with paging activity on many days. Stations as far west as KKM248 Oklahoma City, and KKI445 Houston were in, and many East Coast stations. Conditions appeared to reach a peak here, on 18th-25th January. One new unlisted station was KIF650, on 35.58; they did not give an ident that I could resolve. (Believe it's in Birmingham, AL. ed) On the second week of February, paging activity was also monitored, and one pager was noted slightly higher in frequency from 35.58, ID with a female voice.

A new generation of pirate broadcasting has commenced here the past two weeks. Radio North Sea International, with offices in Zurich, radiates programmes in English and German from the ship MEBO, off the Belgian coast, on MW 1605 kHz, SW 6210 kHz, and on FM 102.0 MHz. The two former frequencies have been received at good strengths, signing as 'Sound of Europe' on test transmissions and requesting reception reports. The FM outlet is beamed to the Low Countries, so it's unlikely that they will be heard at good strengths in the UK. No news of Caroline TV, although rumours still give a March or early April start.

Of interest to Northeast Coast DXers, Iceland has opened a third low band transmitter, GAGNEIDI, ch. E4 80kw ERP horizontal. This station is located in the northeast corner of Iceland. With the two other low band transmitters, ch. E3, 90kw; and E4 at 300kw, this can be potential DX during the early stages of aurora in N.A., or possible double hop Es.

That concludes a really poor month. Good DX,

Roger

— Bill Heusmann, 2804 Brattleboro Ave., Des Moines, Iowa, 50311 —



The 'off-season' reflects itself in this month's CC I, which is about as long as a copy of 'Great Egyptian War Heroes'!

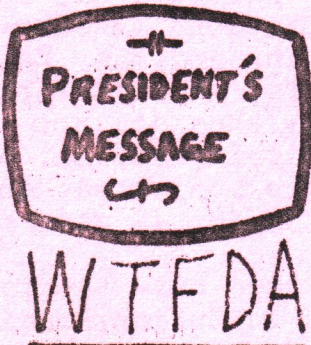
Jerry Fulice suggests that "Bill Draeb's ch-9 TP via MS (12/14/69) would seem to be WNCT-9, N.C. The description fits perfectly, but their weekly sign-on is at 0600-0700 EST. They may be on later days, though."

Jerry also submits a few unIDs, namely some channel 5 MS, seen daily, around 06:00-07:00 EST. First, a discussion or educational show, as early as 06:00, from the west, the same offset as WLWT (That is, 5-). Is this WNEM? Jerry is also plagued by an IHTP from the west or SW, and wonders if it is KSTP. (My own observations here show KSTP running a modified IHTP. First station that comes to mind on this is KSD in St. Louis, which uses an InTP, at least on Saturdays. bh) Third unID is a colour T.P. from the south, with call upper left and city lower right. WCSC, Charleston, SC, suspected.

Finally, Jerry confirms that WTIC uses a bullseye TP, as opposed to the wedge suspected by Frank Merrill. WTIC signs-on at 06:00 EST with an educational show.

....and that's it!

73; *Bill*



THE HQ COLUMN IN THE FUTURE MAY NOT ORIGINATE AT BOX 5001, MILWAUKEE, ALTHO IT WILL BE TYPED BY ONE OF THE HQ STAFF OF FIVE. HENCE, THE MESSAGE FROM THE HOME BOX WILL BE DESIGNATED AS THE PRESIDENT'S MESSAGE, MEANING JUST THAT. IT WILL NOT BE AN OFFICIAL DECLARATION OF CLUB POLICY BUT SOLELY INFORMATION OF INTEREST (WE HOPE) TO THE MEMBERSHIP FROM THE PRESIDENT HIMSELF. THE RECENT SURVEY INDICATED THERE WAS DISAPPROVAL OF THE HQ COLUMN IN THAT IT SEEMED POORLY ORGANIZED (WHICH IS TRUE), AND POORLY WRITTEN (WHICH IS ALSO TRUE). THE HQ COLUMN WAS ALWAYS PUT TOGETHER ON PUBLISHING DAY, AT THE LAST MINUTE, AND WAS TRULY POORLY ORGANIZED AND WRITTEN. THIS IS UNFORTUNATE BUT HARDLY AVOIDABLE. IN THE FUTURE SUCH INFORMATION FROM THE PRESIDENT WILL BE HIS OWN, AND THE HQ COLUMN WILL BE APPROVED BY AT LEAST TWO OF THE STAFF BEFORE PUBLICATION. APPROVAL BY THE FULL STAFF WOULD CAUSE UNAVOIDABLE DELAY SO IT WAS DECIDED TWO WOULD SUFFICE. DUE TO THE INCREASED

WORK LOAD AT HQ THIS ACTION WAS DEEMED NECESSARY AND ADVISABLE. SOME OF THE STAFF FELT THAT THE HQ COLUMN PREPARED SOLELY BY THE PRESIDENT DID NOT ALWAYS REFLECT THE OPINIONS OF THE ENTIRE HQ STAFF. IT WAS SOMETIMES EASY TO FILL A PAGE OR MORE WITH HQ NEWS, AND YET OTHER TIMES IT WAS DIFFICULT TO FILL HALF A PAGE. MOST OF THIS INFORMATION WAS NOT A LATE DEVELOPMENT AND CAN THEREFORE BE WRITTEN EARLIER THAN PUBLICATION DATE AND BY SOMEONE OTHER THAN THE PUBLISHER; SO BE IT. 73.

THE FOLLOWING MEMBERS ARE DUE IN MARCH:

- | | |
|----------------|-----------------|
| BILL BENS | DAVID GLENN |
| CHARLES BATSON | DENNIS GLENN |
| TOMMY BUCHANAN | BILL GRANT |
| PAUL CICERI | KERMIT HARRISON |
| KEN COOPER | MICHAEL NORTHAM |
| PAT DYER | JOHN RAMSEY |

DUE IN APRIL:

- | | |
|-------------|---------------|
| BILL FAIT | BILL ECKBERG |
| BILL MICLEY | FRANK MERRILL |

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Audio and Video Systems**

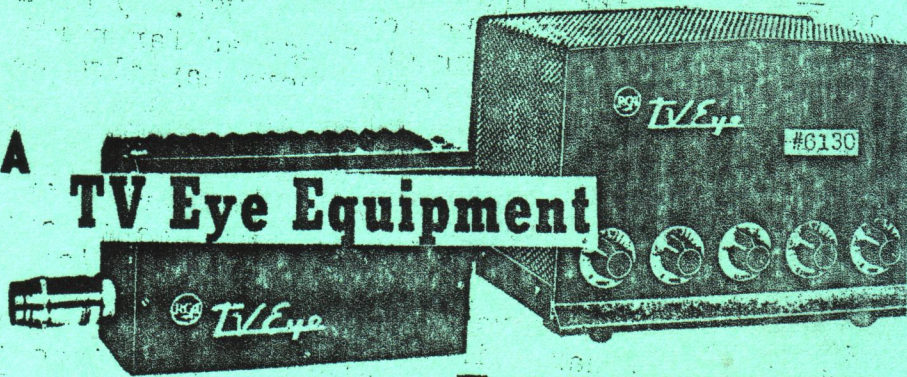
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#6130 - RCA TV Eye System consisting of camera with camera control, test vidicon, lens; checked for operation. Only \$139.95. (See QST, November 1962 for amateur television transmitter use.

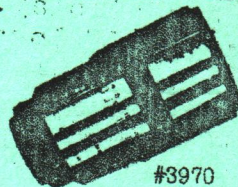
RCA

TV Eye Equipment



\$139.95

Zoom Lens



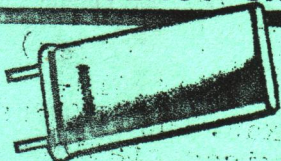
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Allow 50¢ for packing and shipping.

#3970

Wollensak F1.8 Raptar Zoom 9 - 30mm. No iris. Focusing mount 6 ft - inf. Ratio 3.3:1. Flat 3 screw mounting. #3970 New \$9.95

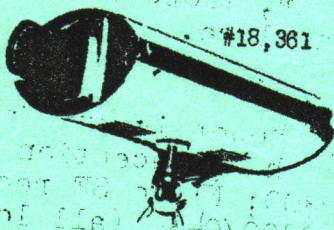
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- #762 - " 94.5 KC - \$19.95
- #763 - " 126.0 KC - \$19.95

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THE PROPAGATION WAND*****GENERAL DX FORECAST 3/1/70 - 4/15/70

E SKIP

The last two weeks of March traditionally produce a couple of late afternoon/early evening Sporadic E openings over the extreme southern USA and south into Mexico, or along east/west paths from Texas into Arizona/Southern California. Openings before April first in other sections of the USA/Canada will depend upon whether or not there are magnetic storms. If you hear that a heavy auroral display has just occurred, or is occurring, in the northern areas of the country, check immediately for signs of E skip, and continue to check for the next two/three days.

IF the coming summer E_s season is going to be more normal than the 1969 season, the first weak summer E skip openings should begin around the 7th of April in the southern USA. By mid-April there may be late afternoon/early evening openings as far north as the Canadian border. In the south and southwest, there may also be openings around noon local standard time.

AURORAL SKIP

This period, through the end of April, is the best time of year for aurora induced E skip along extreme east/west paths, in the region either side of the USA/Canadian border. DX'ers in this region are close enough to the auroral curtain to see regular aurora reception (consisting of floating, hazy lines of video (seldom producing a picture) and badly garbled audio - when pointing north into the aurora), or actually see the aurora display. This should be the clue to look east/NE and/or west/NW after 7 PM local time, up until midnight, for long range auroral E skip (1,000 to 2,000 miles) on channels 2-4.

TROPO (Ground Wave)

During late March and throughout April, there are many favorable periods for tropo reception across the Gulf of Mexico. Reception on low, high and UHF channels between Florida and Texas (up to 1100 miles) is common, with southern (Gulf Coast) reception from Mississippi, Alabama, Louisiana also common east to Florida and west to Texas. Any DX'ers on or near the Gulf should watch for low and high band Mexican stations as well. Tropo openings further north are rare in this period, but IF they occur, they are usually excellent. Again, watch for slow moving moist-warm fronts coming north into the USA out of the Gulf of Mexico. When the moist-warm front is pushing out (of your area) a stagnant high pressure relatively cold mass of air, tropo along and parallel to the warm front pressure line is common place.

METEOR ACTIVITY

The minor-rated Coma Berenices shower is due March 20th. This shower will produce improved north/south MS reception on low band and FM between 2130 and 2300, and 0100/0300; NW to SE reception between 2000 and 2130; and SW to NE reception 0300/0430 (all local standard time).

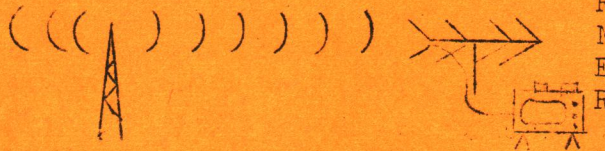
The only above average random meteor morning in the entire period is March 14th when the count is 26 bursts per hour in the 0300-0700 time period.

The next major meteor shower is scheduled for April 19-23, the annual Lyrids shower. More about it next month.

MARCH 1970

TECHNICAL

David Janowiak
3661 So. 46 St.
Greenfield Wisc.
53220



LOSS WITH CHANNEL MASTER TRAPS

Question: Wayne Plunkett asked at the WTFDA Convention why his Channel Masters tunable trap had a stated 5 db loss.

Answer: They all should be this easy. Fact is, a gremlin got into the spec sheet, and the stated loss should have been 0.5 db!

Wayne, of course, was referring to the model 7008 low band TV and FM tunable trap or the 7009 tunable high-band trap, I don't recall which. Electrically, a 5 db loss would be horrible, almost unuseable for weak traps.

CHANNEL MASTER VS JERROLD TUNEABLE TRAPS

Several letters and conversations at publication time have centered on the Channel Master (CM) traps mentioned above. Several members have them. However, the no longer made Jerrold Trap Eases have popped up on a few distributor shelves throughout the US or at store close-outs, as reported by Dxers. If you have access to the Jerrols, you might consider them a better buy. I'll list the differences. I do not have a Channel Masters trap, but have played with them and gathered enough data to comment briefly on their use. I use two LB Jerrols and one HB.

Range -

Both cover the range specified. The 7008 covers LB TV and FM. The 7009 covers HB TV. However, the LB Jerrold is designed for only LB TV, but mine attenuates to about 104 mhz in the FM band. High band Jerrold, of course, covers TV ch 7-13.

Attenuation-

The CM's attenuate much more, but must be tuned very accurately with test equipment to achieve this. Without test equipment, about 20 to 25 db (10 to 15 times) attenuation seems practical. With the Jerrols, attenuation is about 20 to 25 db also.

Insertion Loss-

While I have not tested accurately the loss of the Jerrols, it seems to be about 0.5 db also (about 5% of voltage). In fact, I get about 15% loss of signal going through all three Jerrols in series, so for weak weak VHF traps I disconnect them, along with my UHF converter.

Ease of Tuning-

Rapid with fine and course controls for the Jerrold, slow and tricky with the CM. Once tuned, both seem to "hold" (stay tuned).

Notch-

The notch, or so called bandwidth (BW) of the trapped frequency, is about the same for both if the CM is not "test equipment" tuned. Naturally, if tuned for full 40 or 50 db attenuation, BW of CM is quite narrow. However, neither are really effective for FM because they cannot attenuate on an adjacent channel fully without attenuating the channel desired. They can be off-tuned. For example, if trapping of 93.3 is desired to get 93.5, you actually tune below 93.3 (or above 93.5) for maximum attenuation around maybe 93.1 so that 93.3 is attenuated a little, but 93.5 is not.

Impedance-

Jerrolds are 300 ohm in and out, CM are 72 ohm, using F-fittings.

Cost-

CM will cost \$20 to \$30, depending on the discount you get. Jerrold's may cost as little as \$5, since most dealers would want to get rid of them, but \$10 seems more realistic. They were \$10 when last offered through catalogs.

Since I had the Jerrolds (obtained them for \$10 each years ago), the CM types were not purchased, although I did give them some consideration because of possible use for FM. DXers who have both state that the Jerrold was a little better buy, particularly because of much lower cost. The slightly greater attenuation of the CM wasn't worth the added cost, they claimed.

For DXers in the shadows of many big-city transmitters, traps are a must for serious DXing. Of five places I've DXed from in my life (if only briefly), I really long for the Joliet, Illinois site where I was a whopping 20 miles from the near Chicago locals. That was like out in the wilderness compared to my other sites since E skip and tropes were quite easy to receive over the locals. Even there, of course, traps were most useful.

VERIFICATIONS FROM FM TEST STATIONS

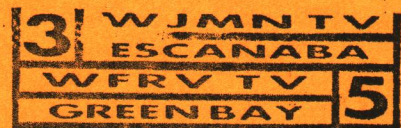
Perusing through a few old VUD's, I noticed in a FM report for Bruce Elving that he had little luck getting letter veries from FM test stations during the 1969 Perseids shower. Glen Hauser had arranged for four FM stations to test during the early AM hours.

I received three test stations via tropes, and the only station possible via M's was ruined thanks to a local on the same frequency. The three received -- WOI Ames, Iowa; WCAL, Northfield, Minn; and WDTR, Detroit, Mich. -- were sent very nice letters, not asking for verification, but thanking them for cooperating with the WTFDA. WOI promptly sent a card, with WOI-FM checked off. From the others, nothing.

A few months later, a fine verie letter was received from WDTR. Since they do not normally transmit in summer, it's possible all correspondence was held until school started, that accounting for the delay. WCAL never answered.

It's difficult to imagine why a station would test and then not answer. Of course, letters could have been lost. It would be interesting hearing from other FM DXers who had similar experience with these test stations.

73's.



THE FOLLOWING ARE A LIST OF UHF OFFSET FREQUENCIES AS FURNISHED BY BILL DRAEB. THERE ARE NO DOUBT NUMEROUS CORRECTION BUT THIS IS AT LEAST A STARTING POINT. ARMED WITH THE RECENT ARTICLE ON OFFSET QRM, YOU CAN USE THIS LIST TO CHECK ACCURACY OF TWO OF MORE STATIONS ON THE SAME CHANNEL. IF YOU FIND ANY THAT DO NOT SEEM TO CHECK, TRY TO CHECK THEM AGAINST OTHER STATIONS ON THE SAME CHANNEL; CROSS-CHECK AS MUCH AS # POSSIBLE AND THEN SEND YOUR FINDINGS TO HQ, WHETHER THE PROBLEM IS RESOLVED OR NOT. OTHER DXER'S OBSERVATIONS CAN BE COMPARED WITH YOURS AND HOPEFULLY A NEW LIST RESULTS. WE SHALL LIST ONLY THE CITY, CHANNEL AND OFFSET HERE IN THE SAME ORDER AS PUBLISHED IN OUR 1969 STATION LIST. YOU CAN USE THIS OFFSET PAGE WITHOUT THE WTFDA LIST HOWEVER.

- | | | |
|---------------------------|---------------------------|------------------------|
| 14+ SAN MATEO, CA | 18- HARTFORD, CT | 23 RICHMOND, VA |
| 14- WASHINGTON, DC | 18? CHATSWORTH, GA | 23? BAKERSFIELD, CA |
| 14- PELHAM, GA | 18 LAFAYETTE, IN | 23+ PENSACOLA, FL |
| 14 JACKSONVILLE, FL | 18+ LEXINGTON, KY | 23- MIAMI, FL |
| 14- EVANSVILLE, IN | 18+ ELMIRA, NY | 23 FREEPORT, IL |
| 14 SIOUX CITY, IA | 18? CHARLOTTE, NC | 23 ELIZABETHTOWN, KY |
| 14 WORCESTER, MA | 18- ZANESVILLE, OH | 23+ AKRON, OH |
| 14 MT. PLEASANT, MI | 18- OGDEN, UT | 23 RICHARDSON, TX |
| 14? HICKORY, NC | 18+ MILWAUKEE, WI | 23+ YAKIMA, WA |
| 14+ OXFORD, OH | | |
| 14 ALLENDALE, SC | 19- KINGSFORT, TN | 24- SAN BERNARDINO, CA |
| 14- OKLAHOMA CITY | 19 HUNTSVILLE, AL | 24 FRESNO, CA |
| | 19 MODESTO, CA | 24 HARTFORD, CT |
| 15+ POPLAR BLUFF, MO | 19 PEORIA, IL | 24- ORLANDO, FL |
| 15 HANOVER, NH | 19 ADAMS, MA | 24+ BALTIMORE, MD |
| 15 FLORENCE, AL | 19+ BAC CITY, MI | 24? MERIDIAN, MS |
| 15 PHOENIX, AZ | 19+ KANSAS CITY, MO | 24- SYRACUSE NY |
| 15 COCHRANE, GA | 19? NORFOLK, NE | 24 TOLDEO, OH |
| 15- CHAMPAIGN, IL | 19 CINCINNATI, OH | 24+ ERIE, PA |
| 15+ SAN DIEGO, CA | 19+ COLUMBIA, SC | 24 MORGANTOWN, WV |
| 15+ FORT WAYNE, IN | 19- PASCO, WA | |
| 15 LOUISVILLE, KY | | 25+ HUNTSVILLE, AL |
| 15+ LANCASTER-LEBANON | 20+ ST. JOHNSBURY, VT | 25 DAWSON, GA |
| 15 HAMPTON-NORFOLK | 20 MONTGOMERY, AL | 25+ PEORIA, IL |
| 15? ROANOKE, VA | 20- SAN FRANCISCO, CA | 25- EVANSVILLE, IN |
| 15- PARKERSBURG, WV | 20 WATERBURY, CT | 25? ASHLAND, KY |
| 15 MADISON, WI | 20+ WASHINGTON, DC | 25? HAZARD, KY |
| 15 ASHTABULA, OH | 20 FORT MEYERS, FL | 25+ BOSTON, MA |
| 15+ LAFAYETTE, LA | 20- WRENS, GA | 25- SAGINAW, MI |
| | 20 CHICAGO, IL | 25 NEW YORK, NY |
| 16 OLNEY, IL | 20+ SPRINGFIELD, IL | 25+ CLEVELAND, OH |
| 16+ TAMPA, FL | 20 ATHENS, OH | 25- OKLAHOMA CITY, OK |
| 16- SOUTH BEND, IN | 20+ DETROIT, MI | 25- COLUMBIA, SC |
| 16+ SALISBURY, MD | | 25 RICHLAND, WA |
| 16- JOPLIN, MO | 21- GARDEN CITY, NY | |
| 16+ DAYTON, OH | 21 PHOENIX, AZ | 26+ MONTGOMERY, AL |
| 16 PITTSBURG, PA | 21+ FORT WAYNE, IN | 26- WASHINGTON, DC |
| 16- SCRANTON-WILKES BARRE | 21 FORT DODGE, IA | 26 CHICAGO, IL |
| | 21 MURRAY, KY | 26? AUGUSTA, GA |
| 17+ SCHENECTADY, NY | 21 ROCHESTER, NY | 26 NEW ORLEANS, LA |
| 17 BAKERSFIELD, CA | 21- YOUNGSTOWN, OH | 26 OMAHA, NE |
| 17- MIAMI, FL | 21+ HARRISBURG, PA | 26? SPRINGFIELD, OH |
| 17 JACKSONVILLE, FL | 21? FORT WORTH, TX | 26- KNOXVILLE, TN |
| 17? ATLANTA, GA | 21- MADISON, WI | 26+ JAMESTOWN, NY |
| 17 DECATUR, IL | | |
| 17- ROCKFORD, IL | 22 LOS ANGELES, CA | 27 TOPEKA, KS |
| 17 BUFFALO, NY | 22 VINCENNES, IN | 27- LEXINGTON, KY |
| 17 ST. PAUL, MN | 22 SOUTH BEND, IN | 27- SPRINGFIELD, MO |
| 17? LINVILLE, NC | 22? PIKEVILLE, KY | 27 YOUNGSTOWN, OH |
| 17- CANTON, OH | 22 SPRINGFIELD, MA | 27- HARRISBURG, PA |
| 17- PHILADELPHIA, PA | 22+ DAYTON, OH | 27 PORTSMOUTH, VA |
| 17+ NASHVILLE, TN | 22- SCRANTON-WILKES BARRE | 27+ ROANOKE, VA |
| | 22+ BURLINGTON, VT | 27- MADISON, WI |

28 LOS ANGELES, CA	36? FLORENCE, AL	49- BRIDGEPORT, CT
28 WARM SPRINGS, GA	36? PALM SPRINGS, CA	49 MUNCIE, IN
28+ ELKHART, IN	36 SAN JOSE, CA	49+ LITTLETON, NH
28- DURHAM, NC	36 ATLANTA, GA	
28- NEWARK, OH	36+ CHARLOTTE, NC	50 St. JOHN, IN
28 WILKES BARRE, PA	36+ PROVIDENCE, RI	50- DETROIT, MI
28 LUBBOCK, TX	36 MILWAUKEE, WI	50 KANSAS CITY, MO
		50? MANCHESTER, NH
29 BAKERSFIELD, CA	38 SAN FRANCISCO, CA	
29- SOMERSET, KY	38St. PETERSBURG, FL	51? FORT LAUDERDALE, FL
29? HASTINGS, NE	38? MOREHEAD, KY	
29 PHILADELPHIA, PA	38 BOSTON, MA	52 CORONA, (L.A.), CA
29 GREENVILLE, SC		52- OWENTON, KY
29+ YAKIMA, WA	39 SAN DIEGO, CA	52- KEENE, NH
	39? WEST MONROE, LA	
30- BLOOMINGTON, IN	39 ALLENTOWN, PA	53 FRESNO, CA
30? FRESNO, CA	39? DALLAS-FORT WORTH	53 NORWICH, CT
30+ NEW BRITAIN, CT	39- HOUSTON, TX	53 BOWLING GREEN, KY
30 ATLANTA, GA		53+ PITTSBURGH, PA
30 ST. LOUIS, MO	40 LOS ANGELES, CA	
30+ TOLEDO, OH	40- SACRAMENTO, CA	54- COVINGTON, KY
30 PORTSMOUTH, OH	40 SPRINGFIELD, MA	54 MUSKEGON, MI
30 SAN BERNARDINO, CA	40? BERLIN, NH	54+ ERIE, PA
	40 WILDWOOD, NJ	54 SAN JOSE, CA
31+ HUNTSVILLE, AL	40- BINGHAMTON, NY	
31+ PEORIA, IL	40 ANDERSON, SC	55? RIVERHEAD, NY
31 MARION, IN		
31+ LEBANON, NH	41? DEMOPOLIS, AL	56- JOHNSTOWN, PA
31- NEW YORK, NY	41+ MACON, GA	56 BOSTON, (CAMBRIDGE), MA
	41 WINDSOR, VT	56 DETROIT, MI
32 MONTGOMERY, AL	41+ SAN ANTONIO, TX	56 TACOMA, WA
32+ SAN FRANCISCO, CA	41+ NEW YORK, NY	
32 CHICAGO, IL		57? RICHMOND, VA
32- LOUISVILLE, KY	42+ BIRMINGHAM, AL	
32+ GREENFILED, MA	42 MOBILE, AL	58? CONCORD, NC
	42? PALM SPRINGS, CA	
33? TUSCALOOSA, AL	42+ CHARLOTTE, NC	60- AURORA, IL
33- FORT WAYNE, IN	42? AUSTIN, TX	
33? ASHEVILLE, NC		61+ CLEVELAND, OH
33 YOUNGSTOWN, OH	43 FRESNO, CA	
33+ HERSHEY, PA	43? LORAIN, OH	62 DETROIT, MI
33? FLORENCE, SC	43 YORK, PA	62+ ASHEVILLE, NC
33+ DALLAS-FORT WORTH, TX		62 TACOMA, WA
33? BURLINGTON, VT	44- SAN FRANCISCO, CA	62- LEXINGTON, KY
33? HUNTINGTON, WV	44+ TAMPA, FL	
	44 CHICAGO, IL	67 BALTIMORE, MD
34 LOS ANGELES, CA	44+ BOSTON, MA	
34+ FORT PIERCE, FL	44 SCRANTON, PA	68 LOUISVILLE, KY
34 BINGHAMTON, NY		
34 COLUMBUS, OH	46+ MONTERREY, CA	70 BOWLING GREEN, OH
34+ LUBBOCK, TX	46? LEXINGTON, KY	
34? FOND DU LAC, WI	46+ BINGHAMTON, NY	
35 LA SALLE, IL	47 FRESNO, CA	
35- LIMA, OH	47+ NEW YORK, NY	
35? HAZARD, KY	47 YAKIMA, WA	
35? MADISONVILLE, KY		
35- PHILADELPHIA, PA	48 HUNTSVILLE, AL	
35+ ERIE, PA	48 GREENSBORO, NC	
35? COLUMBIA, SC	48- CINCINNATI, OH	
	48- PHILADELPHIA, PA	

AN EASY AND SURE WAY TO HELP ID OFFSETS IS TO ASKE THE ENGINEERS IN VERIES AND BY PHONE WHAT THEIR OFFSET IS. IT NOT ONLY HELPS DETERMINE THAT STATION'S OFFSET, BUT ALSO HELPS ID ALL THE OTHER STATIONS YOU MAY GET ON THAT CHANNEL. EVEN IF YOU ONLY GET ONE STATION ON THE CHANNEL NOW, YOU MAY GET MORE LATER, OR SOMEONE ELSE WANTS TO KNOW.

EASTERN TV DX

Editor: M. Goldman
8046 South Euclid Ave.
Chicago, Ill. 60617
FINAL COLUMN BY M. Goldman

For the past two years or so, I have been editor of this column-- this month's column will be my last. Starting this month, the EDX column will be divided into two columns. Your new editors are Dave Pomeroy (3516 Lansdowne Drive, Lexington, KY 40503) and Roger Brown (624 Evergreen, East Lansing, MI 48823).

All reporters in MI, WI, IL, IN, OH, PA and all of eastern Canada will report to Roger Brown. Those reporters in the remaining states east of the Mississippi River should report to Dave Pomeroy.

As I noted briefly in January, the often monstrous size of the EDX column, especially during the summer months, necessitates having two editors. However, the reason why I'm bowing out is a slightly different one. Being a college student and often working as well, I've found it impossible to do proper justice to a column of this type and size. Last month, a combination of final exams and a trip to California and Oklahoma City forestalled completing this column until after my deadline - hence the missing column. Helping with publishing in Milwaukee, on an average of once every other month also takes up time.

So, in the future, I will no longer continue with this column, but shall continue assisting at Hq and writing an occasional article. At the present time, I have the nice size task of compiling the results of the surveys (run last January) and routing that information to the club's editors.

Any EDX reports received after January 10 have been forwarded to the appropriate new editors.

It seems that lately I've been meeting a lot of WTEFA members! On my semester break trip to San Francisco and Oklahoma City I had the good fortune of being able to visit Randy Miltier, Bob Cooper and Ken Cooper. Before leaving I also had a visit from one of our new EDX editors, Dave Pomeroy.

Frank Wheeler, 6589 Wattsburg Road, Erie, PA.16509 (EST)

12-23: Es 1655 WDAF-4 Kansas City, MO (R779) 12-24: Es 1728 WDIQ-2 Dozier, AL (R815)
1800 WDIQ-2 Dozier, AL (R815) 1730 KHTL-4 Superior, NB (R932)
1830 WEDU-3 Tampa, FL (R994) 1732 KMTV-3 Omaha, NB (R815)
1900 KCKT-2 Great Bend, KS (R1015) Log total at 225 received 192 verified.

First time I can ever remember receiving skip on Christmas Eve; rather a surprise. Rcvd 72 different TV stns this past year, with 9 new (incl. 4 new UHF) and my farthest UHF, WCTU-26 Chicago at 405 miles. Also, CN was added for a new state with WNHC-8, 369 miles.

William J. Draeb, Ellis street Kewaunee, WI (CST)

12-20: Tr 0650 WTHI-10, 0707 WDIO-10 1-1: 0544 WDBO-6 (MS)
12-21: Tr 1855 WCCO-4, 2045 KWVL-7 1-3: MS 0550 WCSC-5, 0610 UnID tp-7 SE
Es 2129 CHSJ-4, CJCB-4, CJCB-1-6, 1-4: MS 0554 WCSC-5, 0614 KMOX
2132 CKCW-2, CBHT-3, CJCH-5 The Quadrantids meteor shower was quite
12-25: Es 1605 CBHT-3, CFCM-4, 1635 CJBR-3, active here, especially on 1-3. There was
1645 CHAU-5, 1700 KYW-3 so many bursts on the low chs that at times
12-28: Tr 1657 WCCO-4 reception resembled Es rather than MS.

****PLEASE NOTE*****USE VAFT IN YOUR TV-DX REPORTS!!*****THANKS*****

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

12-24: Es 1615 CJC-4 Sydney, NS 1-5: Es 1745 CKCW-2 Moncton, NB
 1625 CKCW-2 Moncton, NB Present log total at 209 rcvd.
 Equip.: 1966 GE 10" portacolor, S&A 2-13 LP, Finco 7' dish, BTX-11A conv. CM7008 trap.

Dave Pomeroy, 3516 Lansdowne Dr., Lexington, KY 40503 (EST)

11-28 Tr 2130 WMUL-33 Huntington, WV 12-14: Es 1015 CBHT-3 Halifax, NS
 12-14 Es 1000 CHSJ-4 St. John, NB

David Cox, Box 16, Carrollton, AL 35447 (EST)

12-23 Es 1100 WCBS-2, CBFT-2, WCAX-3(T)
 1800 CBFT-2

1-6 Es 1800 XEW-2 Faded by 2000

1-7 Es " " " " " "

1-26 Weather warm and noted tropo increase.

1-27 Tr 0530 WBIR-10 Knoxville (N)

WTVM-9 Columbus GA, WDEF-12
 Chattanooga, WQIX-11 Atlanta
 and WEAR-3 Pensacola. All
 Perfect signals.

Well that finishes up this final column. I hope no reports were lost in the change. If your report was mailed in and isn't in this column check Dave and Roger's new columns in this issue.

73 and Best of DX,

Morrie Goldman WA9RAQ

STATION BREAK

M. GOLDMAN
 8046 S. EUCLID
 CHICAGO, IL 60617
 DEADLINE: 4-16

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YOUR AD COULD HAVE BEEN HERE! THERE'S STILL TIME TO MAKE THE JUNE ISSUE!!!

Dave Tomeroy
 3516 Lansdowne Dr., Apt. B
 Lexington, Kentucky 40503

EASTERN TV

DX

Deadline: March 16

With this being my first month as editor of this column and the number of reports being somewhat limited because of the shift in editorship, I thought this might be an opportune time for me to provide a little background information about myself since some of you in the states served by this column might be interested in knowing who you're sending your reports to.

My DX'ing activity dates back to around 1953 or 1954 when, as a 12 year old, I started "picking up distant stations" on my parents TV set at their home in Overland Park, Kansas. This resulted in approximately 150 stations being seen in 10 years, memberships in the old AIFA and CDXC, and a career in broadcasting.

The broadcasting career started in 1962 when I went to work at KCSD-19 in Kansas City as a crew member. This, in turn, prompted me to major in Radio-Television-Film at the University of Kansas and to work part-time at WIBW-13 in Topeka. During this time, in addition to meeting my wife (we have an 18 month old daughter), I worked at the University TV studio and attended an ETV workshop at San Francisco State College.

After one year in graduate school I returned to KCSD-19 as an assistant producer-director. After another stint at channel 19 I again returned to KU and this time worked part-time at another Topeka station, KTSB-27. I am now with the University of Kentucky TV Center as a producer-director doing color programs for the campus CCTV system and the Kentucky Educational Television Network.

With no local VHF stations here, this area has turned out to be a pretty good DX'ing area and my log has neared the 150 mark after one year in "The Bluegrass."

Since the main purpose of this column is to provide DX reports, I will dispense with the non-essential and get to the business at hand.

Gene DeLorenzo, 35 Sylvan Dr., Hyannis, Massachusetts 02601 (EST)

10-11 Tr	1745	<u>WATR-20</u>	Waterbury	11-1	Tr	1920	<u>WCDC-19</u>	N. Adams
	1800	<u>WEDW-49</u>	Bridgeport			1933	<u>WAMB-30</u>	N. Britain
	1900	<u>WSBE-36</u>	Prov., RI	11-18		0715	<u>UNID-11</u>	NBC
	1930	<u>WSBK-38</u>	Boston			0725	<u>UNID-9</u>	WTOP?
	2225	<u>WBOC-16</u>	Salisbury			1756	<u>WKBS-48</u>	Phila, PA
10-12	1730	<u>WGPX-44</u>	Boston			1800	<u>WPHL-17</u>	Phila, PA
	1731	<u>WWLP-22</u>	Sp-field			2000	<u>WCAU-10</u>	Phila, PA
	1800	<u>WCBB-10</u>	Augusta, Me			2030	<u>WHYY-12</u>	Wilmington
			EVE. NYC stations			2130	<u>UNID-13</u>	TV13
10-13	0459	<u>WFIL-6</u>	Phila, PA	12-6	DAYTIME		<u>WSBK-38</u>	Boston
			(TP-possibly Ms)					(on with increased power)
10-18	Es	1752	<u>WSIL-3</u>	12-10		1830	<u>WCAX-3</u>	Burlington, Vermont
		1828	<u>KARK-4</u>			1832	<u>UNID-9</u>	
		1830	<u>WSB-2</u>	12-14	Es	1030	<u>WSB-2</u>	Atlanta
10-25	Tr	2000	<u>WOR-9</u>			1030	<u>WTVY-4</u>	Dothan, AL
10-26		1640	<u>WKTV-41</u>			1030	<u>WRBL-3</u>	Columbus, GA
		1700	<u>WNAC-7</u>	12-21		1245	<u>WESH-2</u>	Daytona B.
			<u>UNID-66</u>			1259	<u>WTVJ-4</u>	Miami, FL
		1703	<u>WEDN-53</u>			1446	<u>UNID-2</u>	w/Castro
		1800	<u>WAPC-50</u>				<u>UNID-3</u>	Cuba?
		1823	<u>WEDH-24</u>				<u>UNID-4</u>	Cuba?
		1830	<u>WHCT-18</u>			Tr 1900	<u>WSLW-27</u>	Worcester
			Hartford, CN					

Mark L. Lewis, 224 Honiton Street, Downsview, Ont. (EST)

2-3 0725 Unusual reception. 2-7 Tr 1020-1100
 "...was MS DXing as usual on 3. Good tropo incl. WIMA-35,
 Had IHTP from KATC or KBTS. At WSYE-18, WENY-36 (New Elmira U),
 0730 had TP from KARD with little WUAB-43, WKBD-50, WTVS-56,
 fading. Not like Es. Had MS bursts WKBF-61, WSBT-22, WPTA-21,
 over KARD!! Nothing on 2 or 4. WANE-15, WNDU-16, WKJG-33.
 Faded at 0740 Tr Opening continued with Detroit,
 Saginaw.

Roger Gravelle, 35 Aldborough Ave., St. Thomas, Ont. (EST)

2-7 Tr 0739 WLFI-18 Lafayette, IN NEW 300 Chicago, South Bend, Decatur,
 0835 WXIX-19 Newport, KY Peoria, Ft. Wayne, Lima all in
 1135 WKEF-22 Dayton, OH good during opening. Best in
 1145 WAAE-13 Rochester, NY NEW SE Ont. since 10-4. All Detroit-
 2-8 Tr 0241 WPTA-21 Ft. Wayne, IN ers (2 through 62) in rock solid
 for 3 days. Saginaw, Toledo poor.

William J. Draeb, Ellis Street, RR #2, Kewaunee, WI 54216 (CST)

1-27 Tr 1605 WJYJ-14 Jacksonville, IL 2-6 Tr 1625 WLFI-18, WUSI-16, WKEF-22,
 WUSI-16 Olney, IL WDHO-24, WVIZ-25, WAKR-23,
 WAND-17 Decatur, IL WGTE-30, WKJG-33, WIMA-35,
 WIRL-19 Peoria, IL WKBD-50, WTVS-56, WXON-62,
 WEEK-25 Peoria, IL WKBF-61, WLEX-18, WKTR-16
 WLFI-18 Lafayette, IN 1650 WSWO-26
 1630 KDNL-30 St. Louis, MO 1652 WKPC-15, WLKY-32
 1645 WVUT-22 Vincennes, IN 1707 WXIX-19
 (NEW 405 Mi.) 1730 WJET-24, Erie, PA, WKNX-25
 1703 WLKY-32 Louisville, KY WKYT-27
 1723 WTIU-30 Bloomington, IN 1737 WLBC-49
 1731 WICS-20 Springfield, IL 2150 WEEK-25, WMBD-31, WAND-17
 1745 WKTR-16 Kettering, OH 2159 WSEE-35, Erie, PA.
 WKEF-22 Dayton, OH 2200 WTIU-30, WUAB-43
 WSWO-26 Springfield, OH 2226 WANE-15, WPTA-21
 1820 WOSU-34 Columbus, OH 2-7 Tr 0540 CFTO-9 Toronto, ON
 1835 WANE-15, WPTA-21, WKJG-33 CHCH-11 Hamilton, ON
 WIMA-35 WPTA-21 Ft. Wayne, IN
 1850 WSIU-8 Carbondale, IL 0605 WKJG-33, WSTV-9
 2002 WKYT-27 Lexington, KY 0614 WANE-15
 WLBC-49 Muncie, IN 0828 WXIX-19
 2023 WVIZ-25, WKBF-61 0830 WKTR-16, WLBC-49, WKNX-25
 2-6 1625 WMUL-33 Huntington, W.VA.
 (NEW at 498 Mi.)

Bill notes that the WX and Condx have warmed up a little. Two new Us brings total 416. The catches from Bill's hill with the great lake view continue to be astounding.

That's about it from a slowly thawing midwest. My DXing has been limited by the usual (work, family) and unusual...the latter including a January filled with ski lessons on Michigan's only hills (Near Traverse City) and a broken rotor. My AR-33 was locked NNW for 7 weeks. Evenso, 2-6 and 7 brought WHIO-7 off the back of my broadband LP and WUAB-43, WKBF-61 and WAKR-23 off the side of my dish. So things are looking up. One last note. Goldman notes WVTV 20khz offset from WLFI. Draeb says WVUT 10khz off WSBT and WMUL plus 20 off minus offset WKJG. Tnx gentlemen... and tnx everyone. 73, best DX Rog.

EASTERN TV DX

Roger H. Brown
624 Evergreen Ave.
E. Lansing, Mich.
48823

March 1970

April deadline the 17th!!

For reporters in Wis., Ill., Ind., Mich., Ohio, Ont., Pa., Que., N.S., N.F.

It's a great pleasure to be editing Eastern TV DX news with Dave Pomeroy. Reporters in the states listed above should begin sending reports to me now. It will take me a month or two to develop this as I'd like, so bear with me.

At least I'm starting in an "off" month. Conditions during January and early February were indicative of the usual "winter doldrums". January thaw???? Well, our mid-Michigan temperature did rise above freezing on a couple of days, otherwise we were cold, cold, cold!

Conditions improved the first weekend in February...DXers unflexed cold stiffened fingers to grab the dials after a too-long layoff. A stationary front held along a line running E-W from Minnesota to Eastern Ontario. Resulting temperature inversions created the best conditions since October. Our reporters had some good luck, thus...

Morrie Goldman, WA9RAQ, 8046 South Euclid Ave., Chicago, Ill. 60617(CST)

2-6 Tr 1732 WTIU-30 Bloomington, IN 4435N	2-6 Tr 2332 WKEF-22 Dayton, OH 2232T
1755 WMTV-15 Madison, WI 4543R	WKTR-16 " " 3423R
WICD-15 Champaign, IL 4543R	2-7 Tr 0002 WAKR-43 Akron, OH 3344R
WPTA-21 Ft. Wayne, IN 3444R	0017 WUAB-43 Lorain, OH 4555R
WEEK-25 Peoria, IL 4555R	0047 Un-ID 7 SE (WHIO?)
WMBD-31 " " " "	0108 WAND-17 Decatur, IL 3445R
2330 WLEX-18 Lexington, KY 2131 TENT	0555 WHIO-7 Dayton, OH 4455R
WLBC-49 Muncie, IN 4555R	(at S/off !!!)
	0600 WXYZ-7 Detroit, MI 4455R
	0630 WTOL-11 Toledo, OH 3444R
	WJRT-12 Flint, MI 4554R

Congrats Morrie on new WTIU-30. Also...many thanks for a fantastic job on this column in the past. Hope to see many of your reports. By the way, Morrie's equip. includes a Comrac AV 12 E, Miratel monitor, 7' Finco dish, Wineguard CL4-X, AP-220N Preamp, Ch 12-10 el. yagi, ch 7-10 el. yagi and understanding parents. His log totals 224.

Frank Wheeler, 6589 Wattsburg Road, Erie, Pa. (EST)

1-4 MS 1734 KCKT-2 Great Bend, KA (first ID'd MS in a while. MS active for 3 days)
1-5 Es 1928 KPRC-2 Houston, TE
1-28 Tr 0700-0800 conditions up a bit including WVIZ-25, WSPD-13, WTOL-11, WDHO-24 and WKNX-25 at 272.

Equip: Wineguard CL4-X, Single 4 cat whiskers for UHF!!! (Keep 'em coming Frank! RB)

J. Joel Rosenberg, 47 Pannahill Rd. Downsview, Ont. (EST)

12-24 Es 1700 to 1815 Un-ID, S-SW.

Welcome to the E-DX column Joel. I've forwarded your UN-IDs to our CCI editor. (Joel has been introduced to TV-DX by Mark Lewis. Equip. includes an older BW set, Un-ID VHF ant. at 15', 5' Finco, S-K converter. We should hear twice as much from this DX hotspot).

David Swanson, Box 131, Romulus, New York, 14541 (EST)

11-4	Ms 0610	WBBM-2	Chicago (550)	12-23	Es 1919	WBRZ-2	Baton Rouge
11-7	0557	WSB-2	Atlanta (740)		1925	WTVY-4	Dothan, AL
11-16	0722	WLWT-5	Cincinnati		2000	KETS-2	Little Rock
	0753	WOW-6	Omaha (970)	12-24	1645	WDCN-2	Nashville
11-26	Es 0700	WSM-4	Nashville		1706	KTIV-4	Souix City
12-23	Es 1700	KHTL-4	Superior, NB		1715	KCKT-2	Great Bend, KS
	1830	WESH-2	Daytona B.		1728	KUSD-2	Vermillion, SD
	1900	WWL-4	New Orleans		1730	KORN-6	Mitchell, SD
	1900	WDSU-6	" (1145)		1730	KMTL-4	Superior, (1100)

All stations listed are new for Romulus location. Total now 129
(reception of WSM-4 on 11-26 via Ms, not Es as indicated. dp)

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

4-6	Es	WSJK-2	Knoxville, TN	10-4	Tr 1900	WBRA-15	Roanoke, VA
7-2		KATU-2	Portland, OR	10-5		WHED-15	Hanover, NH
(double hop, new and verified) 10-23							
7-24		KIII-3	Corpus Christi	12-2		WENY-36	Elmira, NY
8-22	Tr 0500	KTTS-10	Springfield	12-24	Es 1900	KATC-3	Lafayette, LA
10-1	0730	KFVS-12	Cape Girardeau, MO			to KTBS-3	Shreveport
					2300	WEAR-3	Pensacola, FL
		WHED-15	Hanover, NH			WDSU-6	New Orleans

Stations included in this report bring total to 465.

David Pomeroy, 3516 Lansdowne Dr. Apt. B, Lexington, Ky. 40503 (EST)

12-14	Es 1000	CHSJ-4	St. John, NB	2-6	Tr 2200	WSBT-22	South Bend, IN
	1015	CBHT-3	Hafifax, NS		2320	WKJG-33	Ft. Wayne, IN
1-27	Tr 2130	WSBT-22	South Bend				Total now 112 in Lexington.

Jerry Pulice, 143 Gibson Ave., Staten Island, New York 10308 (EST)

11-5	Tr 0606	UNID-24	WLET?	12-16	Es 1805	UNID-4-	
11-29	Es 2145	WESH-2	Daytona B.	12-21	1700	UNID-2, 3, 4+, & 5	
	2145	WEDU-3	Tampa, FL	12-24	1730	KUSD-2	Vermillion, SD
12-13	2100	UNID-2&3				KDLO-3	Watertown, SD
12-16	1745	UNID-2	ETV	1-2	Ms 0600	WLWT-5	Cincinnati, OH

Virginia D. Lyle, 3050 3rd Ave. North, St. Petersburg, Florida 33713

12-25	Tr 1600	WESH-2	Daytona B.	12-25	Tr	WFTV-9	Orlando, FL
		to WPTV-5	Miami, FL.			WINK-11	Ft. Myers
	1800	WCIX-6	Miami, FL.			WEAT-12	Ralm Beach
		WCKT-7	Miami, FL.				(Yes, a nice Xmas present indeed, dp)

Local stations for Virginia in St. Petersburg include the following:
WEDU-3, WDBO-6 (Orlando), WFLA-8, WLCY-10, WTVT-13, WUSF-16, WSUN-38,
and WTOG-44. All are Tampa-St. Petersburg except WDBO-6.

Virginia Lyle also reports the following from Ft. Lauderdale, Florida
1-22 Es TGV-3 Guatemala City, Guatemala 1500 to 2000 hrs.

Well, that about concludes the first edition of this column. As of now, I still don't know what it will be called and right now do not know exactly what states are covered as I am at work and that information is at home. However, that information is probably available elsewhere in this edition of the VUD.

I would like to thank the people who contributed the above reports and welcome reports from other members located in the states covered by this column. I also solicit your suggestions and will take them into consideration.

Dave Pomeroy

WESTERN TV DX

Dennis Park Smith
321 Santa Barbara St.
Santa Barbara, California
93101 U.S.A.

March 1970

Deadlines: 12th of each month

January was a fairly active month overall in MS, Es, and tropo DX seen. Some of the MS and Es was fairly good but much of it was poor so it took some alert effort to catch the signals. Es dates reported in January: 5, 6, 7, 12, 13, 14, 20, 21, 22, plus 2 and 5 in February. Oklahoma and Texas areas reported good tropo around the 12th, as well as on a few days starting on the 23rd.

Bill Lipis, PO Box 325, El Cajon, California 92022 (January (?)) (Times EST)

Received an audio harmonic from KECC(TV) 9 El Centro CA on 90.5 w/ CBS Merv. Gr. after 0230 quite strong. Was in Laguna Mountains at time, 5500' & 55 mi. line of sight away. I have KECC listed as 120 kw & 1720', not 600' as TV Log shows (not sure, but one or the other height might be above ground, average terrain, or sea level. dps). Network changes: KECC is now CBS (was ABC, on air Nov '68); KBLU-TV 13 Yuma AZ is now NBC (was CBS); KIVA 11 Yuma is off the air (was NBC). No ABC outlet in Imperial Valley region now. KHOF-TV 30 San Bernardino CA noted fair in San Diego, but not seen in El Cajon as yet. 73.

(Thanks for interesting info and TV reception on your FM receiver, Bill. Wonder what happened to KIVA? I would have sent some of this on to Gary but I am not sure of his situation yet since his move. dps)

Gil Morgan, 13721 Lucille St., Garden Grove, California 92641 (January) (Times PST)

Equipment: 16-element JFD Log-periodic at 32 ft, 5-ft UHF dish at 30 ft, 1963 Zenith 21-inch TV, Finco 65-1 Booster.

12 Es 1430 KMTV 3 Omaha, Nebraska Flintstones cartoons, in 'til 1540
1440 KLNE-3 Lexington NB NET Sesame Street, ID 1500
27 GW 0115 KSBY-6 San Luis Obispo CA Tonight Show after XETV 6 sign-off
MS 0427 KGNC-4 Amarillo, Texas Several bursts of s/on, 0433 country music show. First station by MS.

(Thanks very much, Gil. I'm sure your DX involved some effort considering your Los Angeles area location so it is an accomplishment. Good over-mtns. KSBY-6. dps)

Pat Dyer, WA5IYX/5, 327 Solar Drive, San Antonio, Texas 78227 (January) (Times CST)

Receiver: 1968 RCA color model GJ721W (New stations underlined)
Antenna: Wards 11-element (high-low VHF), about 15 feet up, fix aimed southeast.

6 Es 1800 WESH- 2 Daytona Beach, Florida (24) (Tr) 1029 KGNS- 8 Laredo TX
1829 WEDU 3 Tampa FL 25 Tr 0110 KRGV- 5 Weslaco TX
12 Tr 1225 KZTV 10 Corpus Christi, Texas 0142 WFAA- 8 Dallas TX
22 Es 1500 XEW - 2 Mexico City, D.F., 0147 KTUL- 8 Tulsa (my 1st from Okla.)
Mexico (good color) 27 Tr 0000 KOSA- 7 Odessa TX
23 Tr 0029 KGBT- 4 Harlingen TX 2159 KTVT 11 Ft. Worth TX
24 Tr 0959 KOSA- 7 Odessa TX 30 Tr 2225 XEFE- 2 Nuevo Laredo, Tamp, Mex.

January provided a few Es openings. Jan 12 afternoon and evening was very good but so was 50 MHz so no ID's. Jan 13 should have been good for the east coast boys judging from 50-MHz activity. Jan 22 opening was strong but brief. MUF did reach Ch 4 with CCT on local. The big thing this month seemed to be the tropo with several nights of heavy CCI on locals (4, 5, & 12), and some channels three or more "deep." KTUL-8 logging (which nearly stunned me) brought the state total up to 33. KOSA-7 often covers up the fringe signal from KTBC-7 in Austin. 73.

(Thanks for your good Es observations, Pat. With all that tropo, you might consider an outdoor UHF antenna. Bob's report below had a little UHF DX. dps)

Bob Cooper, Jr., 6221 Norman Road, Oklahoma City, Oklahoma 73122 (9 Jan- 6 Feb) (CST)

The report period started off quite well anyhow.

Jan 11 tropo 2230 KMEG 14 Sioux City, Iowa, 458 miles, fair.

Jan 12 tropo:

0815 WEHT 25 Evansville, Ind.(576mi) good 0825 WFIE-14 Evansville IN (576) good
0820 KHNE 29 Hastings, Neb.(345)excellent 0826 WJYY-14 Jacksonville, Ill.(501) good

0827 WKMU 21 Murray, Ky. (570) good	1935 WJRJ-17 Atlanta(754) thruWAND, etc. fair
0829 WLKY-32 Louisville KY(675) very good	1936 WCLP-18 Chatsworth GA (746) good
0840 KCSD-19 Kansas City, Mo.(297) exc.	1948 WHMA-40 Anniston AL (701) fair
0856 WKMA 35 Madisonville KY (550) fair	2007 WJSP-28 Warm Springs GA (749) good
....	2045 WBMG 42 Birmingham AL (623) gd
1627 WHNT-19 Huntsville, Ala.(630) good	2118 WICD 15 Danville IL (598) exc
1643 WHIQ 25 Huntsville AL (630) fair	2140 KCIT-50 Kansas City MO (297) exc
1704 WAND-17 Decatur IL (556) good	2207 WEEK-25 Peoria IL (561) fair
1730 KDNL-30 St. Louis MO (458) good	2209 WICS 20 Springfield IL (526) fair
1735 WJJY-14 Jacksonville IL re-log, good	2215 WMBD-31 Peoria IL (561) fair
1827 WATL 36 Atlanta, Ga(754) fair-good(*)	2229 WAAY-31 Huntsville AL (630) good
1917 WETV 30 Atlanta GA(754)fair-good(**)	2245 KHFI-42 Austin, Texas (345) good

In all, 33 UHF stations logged here in 24 hours with only 3 within 200 miles of me. Strange to have KDNL-30 (458 mi) to N/NE fighting it out with WETV 30 (754) E/SE (**), or to see WATL 36 (754) override KGTO-36 (only 145)(*). The 7-foot dish got some work out! Had signs of many others including ch 16 Dayton (logged last summer) and ch 36 Durham, N.C. (over 1000 mi). VHF during this period absolutely wild, but best distances by far were on UHF and of course there is not the QRM problem on UHF. Surprising to see relatively low-power U's at 700 miles plus come through (i.e. WCLP-18, WJSP-28 GA and WHMA-40 AL), 21 of these 500 miles plus.

Jan 13 tropo 1700 semi-local UHF's within 300 mi building to Grade-A levels. 1930 KCIT-50 Kansas City (297) fair, in all evening; I note that they carry Dick Cavett show 10:30 PM. 2025 WJJY-14 Jacksonville (501) best DX of night, fair; in and out to sign-off after midnight.

Jan 14 weak Es to SE video only, ch 3, no ID. 2205 tropo KKBC-34 Lubbock fair aud (not usually logged; KSEL-28 Lubbock always in here, KKBC in only w/ improved tropo).

Jan 15 tropo 1845 KHTV 39 Houston (420) weakly through KDTV 39 Dallas.

Jan 19 1200-1400 meteor count up substantially from normal.

Jan 20 2205, weak Es noted for 5 minutes to east, ch 3, no ID.

Jan 21 1843, weak Es noted to S/SE (Mexico, probably), ch 2, no ID.

Jan 23 2200, meteor count up higher than normal with good sustained bursts.

Jan 24 tropo, 2100 to due north up substantially on UHF to 300 mi. 2200 KMEG 14 Sioux City (458) good signal; KXNE-19 Norfolk NB (440) fair audio, poor video; KHNE-19 Hastings (345) good audio & video. 2230 KMEG built to grade-A level, best seen since June. 2345 Ch-18 100-watt relay in Salina, Kansas (K18AA, 240mi) logged fair V, good A relaying KCKT 2; this station is special authorization for low UHF translator originally on ch 74; signal is much weaker here than other translators in that area, making me suspicious of 100W claimed power--I would guess it is closer to 10W (directional antenna, maybe? dps). 2355 KVFD-21 Ft. Dodge IA (490) good A, fair V.

Jan 25 tropo 0055 Ch-77 translator somewhere in north central Kansas for KTVH 12; good audio and video.

Jan 31 - Feb 1: Logged visits from Morrie Goldman (Chicago) and Kenn Cooper (Fresno) and we held miniature convention. Naturally conditions were worst possible so we had to settle for tapes and photos.

Feb 2 Es to central and western Mexico at tune-in 2040. Ch 3 peaked 2045 and then faded; ch 2 gone by 2110. No ID's.

Feb 5 Es at tune-in 1800, chs 2 & 3 to east and SE. 1807 WEDU 3 Tampa, Florida fair-good. 1808 WTHS-2 Miami good. 1819 ch 2 I Love Lucy (original), no audio or ID 1845 WUSN-2 Charleston, S.C. fair to poor. 1945 last of Es faded on ch 2; skip hovered between Charleston and Miami all opening but strangely no sign of WESH-2. 73.

(Finally--a halfway decent tropo opening in your area to test your equipment, Bob. I assume you weren't able to identify Ch 36 Durham, N.C. for sure but that it was possible, right? dps)

Dennis Smith--No real DX here, as usual. Coastal tropo conditions were fair to good at times in early February but otherwise nothing to shout about. Rain much of the time has kept conditions to nil.

FCC NEWS & DATA

MARY A. OLSON
1203 KENTON ROAD
DEERFIELD, ILL. 60015

STATIONS OPERATING (AS OF JAN.)

UHF ETV	105
UHF Com	182
VHF ETV	77
VHF Com	508

TV

Total Authorized Stations On The Air 872

New Stations Reported On The Air:

*WMAA (TV) ch. 29, Jackson, Miss., reported testing in Dec. 1969

Stations Authorized to Start Operation:

KXIX (TV) ch. 19, Victoria, Texas, 14.8 kw.

New Target Dates Reported:

*ch. 34, South Bend, Ind., Oct. 1970

WSNS-TV, ch. 44, Chicago, Ill., April 5, 1970

Miscellaneous Changes Reported:

WKTR (TV) ch. 16, Kettering, Ohio, is now a fulltime ABC affiliate

FCC COMPLETED ACTION

New Grants:

*Watertown, N.Y., ch. 50, (St. Lawrence Valley ETV) 492 kw.

Anaconda, Mont., ch. 2 (Capital City TV) 16.6 kw.

Missola, Mont., ch. 8, (Garryowen Butte TV) 286 kw.

*Norwood, N.Y., ch. 19 (St. Lawrence Valley ETV) 556 kw.

Call Letter Changes:

WLBY-TV, ch. 10, Miami, Fla., granted WPLG-TV

KXAB-TV, ch. 9, Aberdeen, S.D., granted KCOO-TV

New Call Letters Issued:

Flagstaff, Ariz., ch. 2, KOAI-TV

*College Station Texas, KAMU-TV

Dothan, Ala., ch. 18, WDHN-TV

Syracuse, N.Y. (Broadcast Affiliates) WBAS-TV

Butte, Mont., ch. 6, KTVM (TV)

Other Changes Allowed:

KEMO-TV, ch. 20, San Francisco, Calif., ERP to 1700 kw.

WMCN-TV, ch. 24, Macon, Ga., ERP to 430.6 kw.

WSJV (TV) ch. 28, Elkhart, Ind., ERP to 4160 kw. - ant. to 1086'

KGSL-TV, ch. 24, St. Louis, Mo., ERP to 1050 kw.

WJHL-TV, ch. 11, Johnson City, Tenn., ERP to 186 kw.

WVNE-TV, ch. 65, Vineland, N.J., ERP to 631 kw. - ant. to 840'

WYNDU-TV, ch. 16, South Bend, Ind., ERP to 1995 kw. - ant. to 1070'

KDUB-TV, ch. 40, Dubuque, Ia., ERP to 538 kw. - ant. to 793'

WCBI-TV, ch. 4, Columbus, Miss., ERP to 100 kw. - ant to 450'

WGCT (TV) ch. 33, Miami, Fla., ERP to 794 kw.

KSTP-TV, ch. 5, St. Paul, Minn., ant. to 1430'

KFPV-TV, ch. 40, Ft. Smith, Ark., ERP to 787 kw.

KCST (TV) ch. 39, San Diego, Calif., ERP to 724 kw.

ACTION APPLIED FOR OR REQUESTED

Applications For New Stations:

Daytona Beach, Fla., ch. 2 (Central Enterprises) 100 kw. - Note:
channel currently occupied by WESH-TV

MISCELLANEOUS ITEMS OF INTEREST TO TV DXERS

The long awaited sale of WFLD-TV, ch. 32, Chicago, will not take place. The deal was called off by the parties (Field and Metromedia) while the FCC was delaying a decision. Field apparently has reversed its thinking and now believes the independent station has a chance for becoming a real profitmaker.

The following change of channels is destined to take place in the state of Ohio: ch. 28 will replace ch. 47 at Columbus, ch. 47* will replace ch. 31* at Mansfield, and ch. 31* will replace ch. 28* at Newark.

DX MAILBAG

P.O. Box 5001
Milwaukee, Wis.
53204

Your DX Mailbag returns after a months hiatus! There's lots of news to catch up on, so lets find out who recently joined the ranks:

New Members

Roy Barstow, 247 Fairmount Ave., Hyde Park, Mass., 02136
John Opyd, 956 W. 119 St., Chicago, Ill., 60643 - 2 years
H. Robert Bundy, Box 114, Truk Dist., E. Caroline Islands 96942
Randall J. Miller, 4017 S. Hodges St., Lake Charles, La. 70601
David J. Long, 66 Beattie Ave., Lockport, N.Y. 14094

Recent Renewal

Bill Draeb

Turning to the Activities of the gang:

Word from Dennis Smith is he'd like to see those tropes loggings in the EDX column(s) with appropriate distances shown. He notes "it helps to show the quality of a particular tropes opening when distances are reported. Some of the impact seems lost in these (when reading about) tropes sessions without distances." (How about it gang - list those distances when you get good catches and your editors will put 'em in the column reports!) Dennis is once again quite busy - this time with his Master's thesis. One of these days school will stop being a burden and he'll be able to swing into action on some more of those DX projects!

Tom Leu of Chicago says he's been pretty inactive except for 6 and 2 meter ham activity. However! He's ordered a 48 foot tower (on which he hopes to mount ham, FM, broadband UHF TV, and VHF TV antennas). Good luck Tom (hi!). Incidentally Tom recalls attending the AIPA DX convention in Chicago in the early sixties. Most vividly remembered were the late Tom Hidley (convention sponsor), Art Collins, and Bedford Brown (wonder why everyone remembers you Bedford?). Tom adds that he loves WTFDA's VUD and he'd "take it for Cooper's articles alone"!

Recently checked in for three years aboard the good ship WTFDA is J.J. Rosenberg who comes to us thanks to our good Ontario member Mark Lewis. JJ hasn't been at the DX game too long. As a matter of fact he recently noted he'd had virtually no success despite a fairly good receiving installation. Seems as though JJ has missed the skip openings during the summer by coincidentally being away from his receiver at "opening-time". Trips to the west and to the hospital just accidentally occurred during the best tropes openings of last summer and fall. (One of these days you'll be at the right place at the right time JJ)

Robert Eddy of Newport, Ohio, has been DXing on TV, BCB, amateur and S VBC bands for 9½ years. His equipment includes a Heathkit FM receiver and a 1958 Zenith TV set with a homebuilt 17-element log-periodic "pyramid" antenna; all this has logged has been 24 states and 4 provinces on TV and 16 states and one province on FM. At age 23 -- Bob has a lot of DX-full years ahead of him - most we hope with WTFDA!

Another of our old AIPA stand-bys is now with WTFDA. John Opyd -- co-host with Tom Hidley at the Chicago convention many years back -- signs on for 24 fantastic months. John, we hope you'll give us a report or two from time to time. Is that big tower still up on your building?

Far away from home is H.R. Bundy located in the East Caroline Islands - almost 500 miles from the nearest TV station. "Bob" would like to know about the possibilities for receiving Japan, Australia, Korea, etc., if he should go ahead and get a TV set for this 'somewhat remote' location. Oh yes -- Bob notes he'd be glad to host a convention "if anyone could come here". (I don't think you have to worry about that for awhile - hi!)

Well - time to close up shop for another month.

See you all back at Box 5001 - in April!

Editor:

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

Hank Holbrook 7211 Chestnut Street Chevy Chase, Maryland 20015

Only new station reported here is WPNA Philadelphia, Pa. 94.1 mc. Hrd daily at Fair Haven, Md. Announcing as the STORER BROADCASTING CO. Completely changed their programming and have a number of public service broadcasts, no longer AN, so I expect some good DX on this channel if open this Spring and Summer. Have sent out a number of fups of late. All answers are via prepared cards (PPC) from WLPL, WESR, WIOV, WRPI, WOUB and KASI. So that brings the totals here to 546 stations verified from 31 states, 3 Provinces, Bermude, Puerto Rico and Cuba.

Gene DeLorenzo 35 Sylvan Drive Hyannis, Massachusetts

Hi! I've recently joined WTFDA and am quite pleased at what I've seen of the bulletins so far. I only understand about half the stuff in them--but I'm trying, hi! I would eagerly accept any help on FM/TV DX. I'm 16, a junior, and have been a BCB DXer for 6 years and an FM/TV enthusiast for 5. I have not kept an accurate log in FM to the degree I did in BCB..so my totals are rather hazy. About 140 stations from 24 states on FM. I hope to get a WTFDA log soon. Does it include FM? Anyway, I've recently become interested due to a new system here. In October I put up an Allied Colorset 60, rotor, shielded lead, Finco 65-1 booster and a BT U-2 UHF pre-amp with open wire, fed to my RCA 19"er. The only real drawbacks are the facts that the mast is only about 10' off the roof (25' ag) and it looks straight into a tall thick pine tree. The tree is in direct line with Boston..could this be the reason why my FM and UHF to the north is not so hot? My rx is a Zenith MN2601 stereo console. It's good very good sensitivity and good selectivity. During the summer I had a Finco FM-5 antenna which was excellent for distance, even more so than the Allied model which allows for NYC (200) fairly consistently. Most trop days 9 or 10 Maine stations are in, plus Conn with an occasional dip into Pa. Furthest reception here is KXJK 93.5 Ark. on 7/29/69. Since I'm very weak on propagation, I'll hazard a guess that they and 9 others were in on Es. Between 1630 and 1800 EDT I hrd. WKBL 93.5 Tenn., WMC 99.7., WTCO 103.9 Ky., WGVM 100.7 Miss., WTJS 104.1 Tenn., WDXE 95.9, KLYX 101.1, WREC 102.7 and WHOP 98.7 Ky. Those and some Ga. and Ala. Es in '67 are the only Es hrd. In '68 July for about 7 minutes one evening, I heard a perfect signal from WPDR 100.1 Portage, Wis..the only station outside of 75 miles on the whole band. Was this MS. or a local kid with a wireless mike? Lotta DX this fall, but only a few newies..most notable being WNOR 98.7 Va. on 11/18 @1800. Gotta end this novel now. Gud DX and hope everyone had a Merry Christmas. (Welcome to the WTFDA Gene, and hope to hear from you often in the future. Re-WPDR, I wish I hrd them at all!)

Bill Bens 5575 Spruce Wood Drive Cincinnati, Ohio 45239

Hello again. Not much DX here at all mainly because I have my tuner torn apart. I've replaced all the tubes and plan to have it alligned as soon as I get a manual from Fisher. Besides three pirates, (yes folks, Cincy has 'em on FM too, and one is a biggie) only new loggings are WCNE 88.7 Batavia, Ohio w/10 watts at 24 miles. They present no problems to CKWW here. (I bet CKWW does to them this summer RWW). Does anyone know if the 10 watters listed in the VJ log are 10 watts ERP or 10 watts TPO (Xmtr power out)? WCNE has very limited hours in the early afternoon and evening and runs a TT before s/on. Hope everyone cleaned up on the big 12/23 Es opening which lasted all day on TV. The only new FM logging here was KVSR 97.9 Rapid City, SD @1630 EST @1012 mi w/religious prog. About 1645 weak skipper on 89.9 talking - is KUSD on yet? I attempted to do some serious MS on 12/12, but it was pretty dead here as usual except for a two minute swarm around 0450. I guess I need more gain somewhere. 73.

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

December proved to be an exciting month, DXwise here. During a snowstorm that brought the signal levels of many of the regulars here to new lows, KLEM 99.5 LeMars, Iowa triumphed over usually dominant WLOL Minneapolis for a new catch. I also logged KNCV 101.7 Rochester, Minn, which is a regular here. On the early morning of 12/23 from 0430-0530 CST, a strong Es opening was experienced. During this time I picked up WEZY 99.3 Cocoa and WRLJ 96.9 Jacksonville, both FL; WXLM 97.3 Savannah, WXLI 92.7 Dublin and WYWR 101.5 Brunswick, all GA. Also relogged WQIK 99.1 (ex WALZ) Jacksonville and WDWD 92.1 Dawson, Ga. (which I picked up years ago on 101.1 prior to its deletion on that frequency). The latter I do not count as new stations. December Es is extremely rare in No. Minn. and the five catches equal the total of all wintertime skip received here in the 21 years that I have been an FM DXer. Only on 12/21/50 3 rec'd., 1/3/57 1 hrd and 12/14/63 1 rec'd has been skip hrd here in Duluth, and I listen as often to FM in the winter as I do in the summer. During a meteor burst 12/13, I picked up the news calls of WDBJ-FM WPVR on 94.9. The year 1969 closed with 35 new catches, 5 of which were Es. It was my tenth best DXing season of 21, which makes 1969 about average. Total heard now 857. I am now experimenting with vertical polarization. In Nov. I installed an 8 element yagi antenna vertically on a mast atop a rotator, so that I can DX and listen to vertical-only signals. As all my locals are horiz. only, it is easier to tune in such frequencies as 89.3 and 91.1 that are adjacent to powerful locals and actually enjoy their programs, whereas with a horizontal antenna and a selective receiver, this would not be possible. The cities of Port Arthur and Fort William, Ontario have now merged and are called Thunder Bay. Thus CKPR 94.3 is now licensed to Thunder Bay, Ontario? (I hear 'em daily. Hi RWW)

Mike Bugaj 197 Boston Road Middletown, Connecticut 06457

Hi. Since I have been in this fine club for two months now, it's about time I reported in and introduced myself. I am 25 years old and single. I got out of the Navy in August and began DXing FM fulltime as well as going to college full time during the evenings. Now college is through and I just got a job at Pratt and Whitney Aircraft across town. (Congrats Mike RWW) I began FM DXing in 1964 and 1965 using a Zenith FM table radio which netted over 200 stations. Then came a four year break for Uncle Sam. I am now DXing with a Realistic STA-65 receiver with a ten element Finco FM 5 and rotor. Totals thus far are 23 states, 3 provinces logged w/20/2 verified. Veries received since August are CFQR 92.5, CJFM 95.9, WGAN 102.9, CKFM 99.9, WTVR 98.1, WWSW 94.5, KQV 102.5, WBEN 102.5, WHFM 98.9, WEAL 97.9, WBOC 104.7 and WJAX 95.1 and WDEC 94.3 both heard on 10.29 Es. Note that WTYD 100.9 in New London is now on the air in total stereo. WWEB 90.1 Wallingford with 10 watts on also. WDRC 102.9 now 24 hr. ~~XXXX~~ WIHS 104.9 now on with religious programming usually s/off by 8PM EST; s/on at noon. Who and where is CKBY 105.3 hrd on 11/15 at 8:51 PM w/"sound of the city ID. (Nothing here Mike. CFCA Kitchener only Canadian I have listed on 105.3 RWW) 11/2 brought WAVO 94.9 Atlanta w/good burst on MS w/ID. 1/3 MS super bursts from at least 5 on 99.9, only one IDed was WWUD stereo Dayton for state #23. I also belong to the NRC and BCB DX. I recognize Roger and plenty of the guys from that club in this club also. All for now, and until next time good DX and 73. (Tns for the fine report Mike. Good to hear from you again, and often in the future. RWW)

David Shapiro 1812 A Hills dale Road Lynchburg, Virginia 24501

Since this is my first report to the FM section, let me introduce myself. I have reported in the TV column several times, and am 24. This is my second year in WTFDA, but haven't done any DXing on FM, but I am interested in doing it. Can any of you DXers get me some information or tips on a good sensitive portable FM receiver with a built in vertical antenna? I am planning to buy a FM receiver that is reasonably priced for DXing, but since I haven't done any DXing, I will ask you first. 73's to you all. (And to you too, David, welcome to the FM DX column. If this uptrend continues, I'll sure need help this summer. Hi. RWW)

Bob Cooper 6221 Norman Road Oklahoma City, Oklahoma 73122
 This report covers period November 8 through January 8. 11/8 KTCS 93.5 Hastings, X
 Neb.; KWWL 107.9 Waterloo, Iowa others in 300-550 mile range to north 0700-1030.
 11/9 KRMS 94.5 Osage Beach, Mo. others in 300-350 mile range good copy to NE.
 11/10 WMC 99.7, KWAM 101.1 both Memphis, others in 300-425 mile range good to east,
 0000-0200. 11/18 WFCJ Miamisburg, Ohio on Ms burst (950 mi) 93.7, MS activity
 high in evening period Nov. 12/13/17/18/19/20/21. 12/6 While never-silent local
 KXLS 92.5 was off air, logged KSYN and KRLD 1100-1215; conditions poor, so just
 regular G/W. 12/10 O538 CKPR Port Arthur, Ont. (975 mi) on MS burst. 94.3; 0606
 WEKZ Monroe, Wis. on MS (750 mi) 93.7 (Your favorite freq. Bob NO? RWW) 12/11
 WEKZ again on MS 2050 (Bob, you've heard them just as many times as I have, and
 they're only about 140 miles away. Their tower is down in a valley and don't get
 out worth a darn. RWW) 12/12 KTTT 93.5 Columbus, Nebraska on RS, new (420 mi)
 logged with local BKB game@2034. 2105 KJSM 93.3 Jamestown, ND logged on MS. 2145
 WWLA LaCrosse, Wis. logged on MS w/intro into news 93.3. 12/13 WJBK 93.1 Detroit
 logged on MS burst 0630. 2303 WAKW Cincinnati logged on MS 93.3. (Bob WJBK now WDEE
 Above loggings December 10-14 during Geminids meteor shower. Burst count good RWW)
 to very good 2000-2300 all four nights, peaking on 13th in this period. Altho
 burst count is high during this shower, the bursts this year were very short;
 virtually NO super bursts at all. Early morning periods 0400-0700 not much above
 average. North-south paths definitely best.

Richard Clark 4110 Bayview Drive Fort Lauderdale, Florida 33308
 Hi gang. DXing FM here is quite different than from the north. First, I have
 100,000 watt stations and a few of them are NSP 2nd is, here, we don't have very
 many FM stations in this state. I just about logged every one in this part of
 the state. I think MS and Es should be very good this summer. For my area, three
 new stations went on the air. WRBD 102.7 Pompany Beach, Fla. w/100kw w/RB mx,
 WHRS 91.7 Boynton Beach in EE and Spanish, and third is ZNS 107.1 Nassau wich is
 // to 1540 AM and is NSP, very bad QRM with WFTL a local 106.7. (NOTE THIS DXERS,
 a good bet this summer on Es RWW) Now for the others. 1/17 WUSF 89.7 Tampa
 with classical music, good to fair, WSWN 93.5 Belle Glade, Fla. @8:30 PM and WHEW
 101.9 Fort Myers @11:30PM. 1/19 WQIK 99.1 Jacksonville w/cw mx @0240 NSP, WEZY
 99.3 Cocoa Beach @0250, WYRL 102.3 Melbourne @0300, and WCOF 95.9 Immaackalee @6:30
 PM. This station is right in the middle of the swamp. (Does it play underground mx)
 1/23 WJUM 90.5 Coral Gables another new one at 12:30PM with rock, a 10 watter,
 and last WVFM 94.1 Lakesland 1-3PM. Well that's it. 73s.

Roger Gravelle 35 Aldborough Ave. St. Thomas, Ontario
 This report will cover the period of Jan 1 to Jan. 28 1970. Present log totals
 149, antenna, rcvrs RCA 8 tube FM with 10 element Channel Master yagi 55' high.
 All new stations: 1/3 WDEE 93.1 Detroit ex WJBK, is now cw mx, good for distant
 logging. Hrd daily Call is "WD double E" verbal or musical. 1/10 WVMO 98.3
 Monroe, Mich cw mx; WHFM 98.9 Rochester, NY 200 mi. 1/15 WDAO 107.7 Dayton, Ohio
 285 mi; WKNT 100.1 Kent, Ohio 110 mi. 1/17 CJOY 106.1 Guelph, Ont. new station
 on air recently. By signal strength and distance from me (80 mi), I figure about
 5000 watts at maybe 250 ft ht. (Try 50kw per AM s/off Roger RWW) 1/17 WVNO 106.1
 Mansfield, Ohio @165 mi. 1/25 WRUW 91.1 Cleveland, Ohio 85 miles 10 watts @195'
 was good grab, least I would consider it such. (So would I) Most distant
 station was 100kw WFLA Tampa, Fla @1100 miles 93.3. Obtained verification as well
 from them. Signal was solid for 2 1/2 hours, virtually no fade. This is my only
 DX stations, all the rest can be picked up on any good reception day.
 (Welcome to the fold Roger. It's nice to have another Roger DXing. Hi. Could
 you please furnish me any info on CHIO now that they're on 1570? What are their
 operating hours and do they put much power this direction? Certainly must protect
 CFOR/XERF. Tnx RWW)

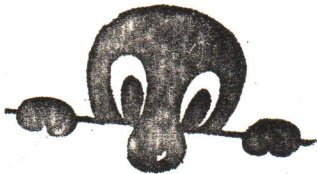
Hank Holbrook 7211 Chestnut Street Chevy Chase, Maryland 20015
 1970 is underway with 2 new loggings on the FM dial. 99.9 WFRF Frederick, Md. logged for report from 1725-1750 EST 1/2/70. This station well received on the bay, ex WFMD-FM. 91.5 WHMD Suring, Wisconsin quite by accident I stumbled into the Quadrantide meteor showers and logged this station with sporadic reception from 1400-1446 EST when drowned out by carrier of WBJC which signed on at 1500 EST. This shower was indeed a good one. Wisconsin State stations noted on frequencies of 89.8, 89.9, 90.3 and 91.3. Also WUOM 91.7 Ann Arbor. This shower was better than most MS openings. Most bursts were rather full ones lasting several seconds at a time. Very few of the short pings usually noted (a ping is a fraction of a second reception). There was one period where WHMD was audible for about a minute. (Note the difference between this and Bob Cooper's notes of the same shower RWW). One verification in since my last report, in form of a letter from WPNA Philadelphia, Pa. w/20kw. Veries now at 547, same totals as last time.

Albert J. Kopec R. D. 1 Himrod, New York 14842

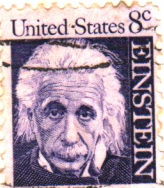
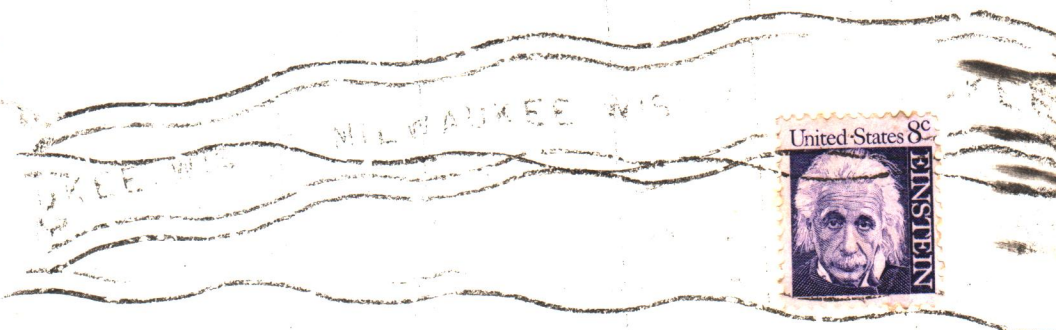
This report will cover the period of 10/26/69 to 1/30/70. 10/26 WISL 95.5 Shamokin, Pa. @0730; WYCR 98.5 York-Hanover, Pa. @1940; WIOV 105.1 Ephrata, Pa. @2001. 10/26 WIAN 96.9 Lancaster, Pa. @2020. 10/25?? WRED 101.1 Youngstown, Ohio 1542; WDOK 102.1 Cleveland, Ohio @1619. 12/28 WAJR 101.9 Morgantown, WVa 2005. 12/29 CKCH 94.9 Hull, Quebec 0512; WJTN 93.3 Jamestown, NY 0517. 1/4 WHOT 101.1 Campbell, Ohio 2005. Is this a share timer with WRED on 101.1? WRNL 102.1 Richmond, Va 2030. 1/11 WERS 88.9 Boston, Mass 1800; WCBS 101.1 NYC 1950; WLVP 102.3 Franklin, NJ 2030. 1/14 WWDC 101.1 Washington, DC 1932. 1/18 WYSU 88.5 Youngstown, Ohio 1609. 1/25 WDET 101.9 Detroit 1232. My very first possible useful bit of information via MS was hrd while monitoring 101.9 on 12/26 at 1515 EST. The frequency of bursts during the period of about 1 1/2 hours that I listened was quite high on this channel. Several super bursts were noted. During one of these, at 1515, "your First Wisconsin charge card good at downtown Merrills.." was heard. I find WRIG in Wausau as the only station in that state listed for 101.9 I wonder if any of our strong contingent of members from Wisconsin could shed some light on this possibility? (Al, you almost surely hrd WRIG, and the ad was probably for downtown Merril, Wisconsin, a town only 15 miles north of Wausau. They are RR if you had any further transmission from them. RWW)

Ye ed now reports: Sorry for the delay in this section these past months. Only 2 reports were received in December, and the when they started to come in, my entire family was stricken with sickness. I missed several days of work and worked overtime to attempt to bring in more money, as I don't get paid when I am off, not one red dollar! (Nobody makes cents anymore with the high cost of living Hi) Only today, 2/2 WKFM tower crashed down from 188 W. Randolph onto the street, miraculously not hitting anybody. Boy, would I sure like to get some Es or good tropes now that they're off the air. With all the money they make, they will be on mighty soon though, most likely at reduced power for a while. Re above report from Al Kopec. I don't know if any of you correspond with him, but his reports are absolutely immaculate. I have never seen such neat printing and evenness of hand. This is not a swat at any DXer, as almost all the reports I receive are rather neatly prepared, mostly typewritten, but Al's are just a little better than the ordinary. I am pleased with the number of new members contributing to this column. I believe it is a successful portion of the club, and am very happy to have been a part of making it what it is. Oh yes, WEBH 93.9 is now IDing as WWEL "W-Well always music in Chicago". Barf on constant call chgs.

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