

VHF·UHF DIGEST

ANTENNA BUYERS BEWARE!

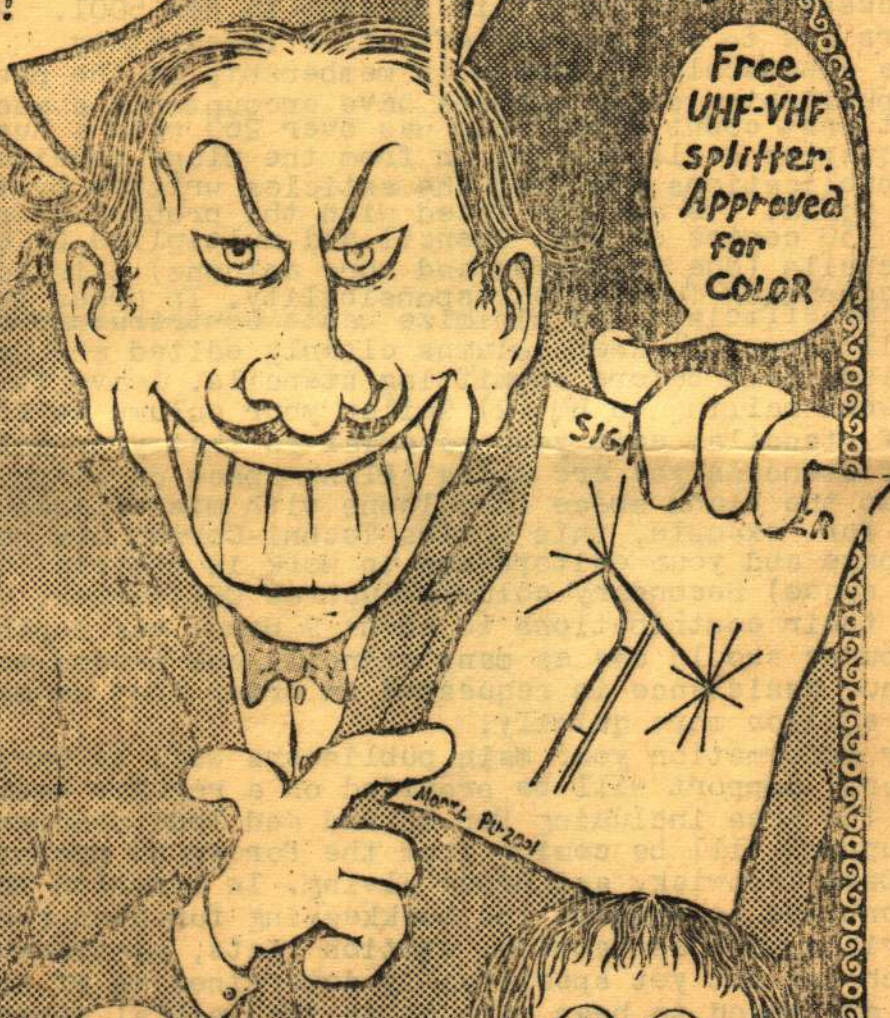
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**READ
TECHN/CORNER**

Feb. '72

PUBLISHERS CORNER

New Address:
VTFDA
BOX 163
Deerfield, Ill. 60015

As the general lateness of this bulletin indicates, your VTFDA headquarters is in the midst of a massive transition. Publishing gear, records, treasury, etc., are all being transferred from Milwaukee to the Chicago area. Your publishers are taking the reins from the Milwaukee group and this edition of VHF-UHF Digest marks the initial effort.

Your attention is called to the new mailing address for the club. Box 163 is to be used for all club correspondence including renewals, complaints, etc. Milwaukee's Box 5001 will be slowly phased out of club use but will continue to be Ferdinand Dombrowski's personal mailbox. Any club mail going to the old box number will be processed -- however, any data of importance to the publishers will be unnecessarily delayed if it is sent to Box 5001. All column editors are to use Box 163 effective immediately.

Due to a spectacular increase in membership in the past 3 months your publishing staff members have encountered a much larger workload. At last count membership was over 260 with a huge number of inquiries still rolling in from the plugs received in electronics publications and from the articles written by various DXers in the world. We are now faced with the problem of running a minimum of 330 copies of each stencil and multiplied by a larger number of stencils (due to longer and more columns) this adds up to a very time consuming full-time responsibility. In order to keep production time efficient and minimize waste contributors are asked to do the following: (1) keep columns cleanly edited and proofread with correction fluid before submitting stencils. Leave the backs on stencils when mailing to HQ (2) Tailor your column to fit within the limits of stencils; edit your material so that your column fills the number of stencils you are using (Blank space on stencils means HQ must use up the blank space in columns with miscellaneous materials as filler -- for example, this month's Techni-Corner did not use up a full last page and your editors had to work in material to fill up the extra space) Secondary columns such as QSL corner, CCI etc., should limit their contributions to about 2 pages per month. Reporting columns of course should use as many stencils as needed to get the job done. Your assistance is requested in order that we may process each month's edition more quickly.

For your information your main publishers will be Gary Olson and Morrie Goldman. Support will be provided on a regular basis by others available in the area including Don Ruland and Todd Schumann. Irregular publishing support will be coming from the former HQ group: Ferdinand Dombrowski, Dave Janowiak, and Bruce Elving. In addition the Wisconsin group will continue to support the bookkeeping function and distribution of club materials such as samples, station lists, stationery, etc.; to a degree which has not yet specifically determined as of now.

Members are asked to bear with us in the initial months of this changeover since it is expected that there may be a few mix-ups due to the transition of records. Bulletin quality may vary for awhile until the publishing chore becomes more routine. Late delivery of your VUD must be anticipated as well until procedures are firmed up.

Changes, Changes. Your FM DX column will be split effective with the May VUD. Roger Vinsor will conduct FM DX North and Richard Wood will take over FM DX South; Roger will take reports from North of the Mason-Dixon line and Richard will take all reports from south of that line. Richard will brief us in an introductory column to appear in March or April. Dave Brown will do a sample column regarding station sign-ons and sign offs (one or two pages)-- column name will temporarily be called Log Data. Regular appearance of this trial run column will of course depend upon members response.

-GAC-

Conducted by
David T. Janowiak

TECHNI/CORNER
February, 1972

3661 South 46 Street
Milwaukee, Wis., 53220

TV AND FM RECEIVING ANTENNAS:
FANTASIES, FADS, AND FACTS
PART IV

Available Yagis: Most consumer (not MATV or CATV) single-channel yagis use close spaced (0.1 wavelength) directors on LB and 0.15 wavelength spaced directors on HB. For any maker of any LB or HB family, boomlengths are usually the same.

You can expect gains of 7 to 8 db and beamwidths of 60 to 70° for 5-elements on LB types. F/S and F/B ratios are difficult to predict, but 10 to 20 db F/B and 15 to 20 db F/S ratios are probable. For 10-element LB types, 2 or 3 db more gain (ie, 10 to 11 db total), beamwidths of 45 to 60°, and F/B and F/S ratios of 20 and 25 db are common. Higher channels are likely to be better; lower channels worse. Popular 10 element LB yagi prices are about \$20 to \$30 list.

Most HB yagis have 10 elements. Expect 10 to 12 db gains, 45 to 50° beamwidths, F/B ratios of 20 db, and F/S ratios of 25 to 30 db. List prices vary from about \$12 to \$20. "Super" quad arrays of middle of the road consumer yagis can be set up for less than \$40 wholesale, with gains of about 17 db resulting.

Some CATV antennas outperform the consumer type, obviously. However, most attention is given to long life; the electrical properties might be little different than antennas a DXer would use. CATV antennas designed for very high F/S or F/B ratios exist, but the price is many times more than most can pay.

The folded dipole on Finco Y10 single-channel 10-element yagis is unsatisfactory, as it provides a poor match to 300 ohm lines. JFD uses a 3-element dipole (much higher impedance initially) that probably allows a better match to 300 ohm lines. Otherwise, the construction and electrical performance of JFD and Finco single-channel yagis I've used are similar.

Winegard has (or had) several lines of yagis, the top line using greater element spacing for probably 1 db more gain than their other versions. Recently, the SCX series was introduced, which is actually a hybrid with log periodic type of driven elements and yagi type of directors. This version just may have better overall characteristics than competitors' pure yagis, especially at LB. List price is higher, I believe, than other yagis, but the discounts of Winegard dealers seem to vary so much that it's difficult predicting what wholesale price you would pay. A built in balun allows direct connection of 300 or 75 ohm line.

Even a single-channel 10-element yagi of "economy" design should outperform an all-channel antenna, on that one channel, of course. So if you can acquire several single-channel yagis cheaply at, say, closeouts or hamfests, do so, especially if your "stuck" at a high station total and/or if the yagis are for a "promising" (ie, non-local) channel. Several properly installed 10-element yagis can open the road to some excellent, long-range DX.

Since HB yagis work well on adjacent channels, one single channel 8, 10, and 12 yagi may cover the entire HB as well as the best 2-13 type antenna. However, you need more mast space, multiple feed lines, etc. Broadband 7-13 yagis seem to be a better approach.

Throughout this description, yagis for UHF have not been mentioned... This is intentional because -- although yagis are available for UHF -- they cannot produce the very high average gain throughout the wide UHF band that is possible with a good parabolic dish or even stacked corner reflector and bow tie arrays. True, a single, multi-element UHF yagi may produce 12 to 13 db gain, and a quad (4-stack) array puts you up into the 7 foot dish gain range of 17 to 21 db. But the UHF quad array lacks capture area, the trump card that large dish antennas have when dealing with very weak, fading signals.

Broadband Yagis: Strickly speaking, these are yagis designed for more than one channel. In achieving wider bandwidth for the same number of elements, gain and directivity suffer, mainly because director lengths are either tapered or chosen for some value that gives a swamping effect. This results in useable (although uneven) gain across a wide range, but not the high gain expected of a single-channel yagi. Also, impedance match is similarly uneven, in fact, possibly intolerable.

However, careful design can produce results that make the broadband yagi quite attractive. Today, broadband TV yagis are either the channel 2-13 (all channel), 2-6 (LB), or 7-13 (HB)

type. (Yagis for parts of the UHF band are not considered.) For FM, all yagis are designed for the full 88-108 mhz band.

All-Channel VHF TV Yagi: These were quite popular up to about 5 to 8 years ago, when manufacturers went to log periodic types because of improved flat gain and low VSWR needed for color reception. However, 2-13 yagis were so common in the '50's and early '60's that anyone using another type was thought of as some kind of a nut.

Unfortunately, very few good broadband yagis were made. The reason was that decent LB or HB only yagis were available, but when they were combined on a common boom, all sorts of degradation occurred.

Probably the most popular was the Winegard CL4 series, with the 18-element CL4X the kingpin. This was a combination of LB and HB elements on a common boom, but so laid out and phased that little interaction (except perhaps enhancement of signal) occurred because of the physical proximity of elements of different size. Loading loops, swamped HB elements, and a few other tricks made this an excellent all-channel antenna. Gains were as high as 12 to 13 db in the HB, with some very good front lobe patterns. Of course, impedance match wasn't the best, and spurious side-lobes off of the main lobe were discouraging.

The CL4X, therefore, possessed some of the major troubles afflicting all all-channel yagis: (1) uneven gain, (2) varying impedance match, (3) several side and rear lobes, (4) suckouts (low gain points) especially at the ends of LB and HB.

Some DXers still use the CL4X. For B & W DX reception, it isn't all that bad.

A few V/U (channel 2 to 83) yagis existed. I can't attest to how bad they were. This is no negative attitude, just a cold fact that you can't arrange V and U yagi antennas and phase them correctly on a common boom without severe limitations.

HB Yagis: Of all the broadband yagis available, 10-element HB (channels 7 to 13) type offer the best deal. A few deviations, listed below, extend the performance of a single channel yagi just enough to make a 7 to 13 type attractive.

- 1) Dual driven elements.
- 2) Impedance match network.
- 3) Tapered elements.

Close to 0.15 wavelength average spacing is quite easy at HB since this requires a boomlength of about 8 feet. Therefore, most manufacturers couldn't skimp here if they wanted to.

Since widely spaced, single-channel HB yagis cover about three channels, it is simple to extend operation by tapering directors to the seven HB channels with only about a two or three db gain decrease. This is about what you expect from a 10-element HB yagi: 9 db average gain, with 7 or 8 db at ends of the band and possibly as high as 10 db at midband. Note that this is about the gain you would expect from a 5-element single-channel yagi. However, some side and rear lobes can appear due to the broadbanding such that the F/B and F/S ratios on a given channel may not be as good as with a single-channel 5-element yagi.

Use of two driven elements, one cut for about channel 8 and the other for channel 11, give decent impedance match over the entire band. This is because a folded dipole has decent gain and low VSWR over about a 10% bandwidth, and the two staggered driven elements allow a 20% bandwidth range, which is what you need for the 174 to 216 mhz HB. A HB yagi with only one driven element will cause uneven gain and poor match.

Driven elements are coupled together with some sort of phasing harness that should be adequate. You can't really tell if it is adequate by looking at it, so a little faith in the design is needed. Even with a decent match, a 2:1 VSWR average is typical.

Specifically, the Finco Y10 series is popular as it provides characteristics close to those mentioned at low cost (\$7 wholesale). The solid element type, however, looks and feels cheaply made. Elements can be easily bent; however, unlike tubular elements, these rod elements will not snap off even if bent many times. I can personally attest to this as these yagis have been mauled through moving, dropping, etc., and they're still adequate, even after 80 mile winds and severe icing.

Because of the Y10's light weight (1 to 2 lbs), a 4-stack array can be made that will withstand most severe weather. I now have four in a quad (box) array, and the measured gain over a 19 element JFD log periodic is 6 to 8 db. Directivity is at least 30% better, as a 40° beamwidth is common. Channel Masters and JFD make tubular element HB versions almost identical to the Finco. I imagine that other manufacturers also offer them. It really is quite difficult to misdesign a HB 10-element yagi with two driven elements!

The Winegard SC series uses a longer boom than most, and I suspect slightly better overall performance. Unfortunately, I don't have data on all available types to make a comparison.

The Swan log/yagi combos also boast high gain and very good impedance match. But you may pay several times more for the Swan than a Finco, or JFD, for example. If you have the dollars, this is fine; but I suggest complete specs on all types before justifying the higher cost of the Swan.

LB TV Yagis: The wide bandwidth (54 to 88 mhz, or about 50% of the band) required of LB yagis means much less gain than HB types for the same number of elements. At LB, two driven elements are also used, one cut for about channel 3, another for channel 5. This doesn't quite provide sufficient flat gain and low VSWR. Here, the Swan has a decided edge as the log periodic driven elements mean low VSWR, and the yagi type directors goose up the gain.

The Finco L6 6-element LB yagi is popular because of its light weight (4 lbs), fairly widely-spaced elements, and low \$16 wholesale cost. However, Finco's "Geometric yagi design" usually causes lower gain and poorer F/B and F/S ratios at the low ends of their broadband yagis, and the L6 is no exception. Consequently, you can expect about a 4 db gain at the low end and 7 db at the high end. Directivity is adequate; F/B and F/S ratios just a little less than 5-element, single-channel yagis; and impedance match about as good as you can expect with only two driven elements. The wide spaced elements, however, result in very nice use of six elements.

Some companies (JFD, Channel Masters, etc.) offer 10-element LB yagis. However, booms are rather short, making gains rather uneven and VSWR possibly high on some channels. Lower gain at channel 2 is typical. However, peak gain may be as high as 9 db, and F/B and F/S ratios could be outstanding, although varying from 10 to 30 db. Performance should be noticeably better than with conventional all-channel log periodics.

A good home-brew LB log-periodic on a 15 or 20 foot boom would surpass by far any LB yagi on the market today. Of course, the need for high gain LB antennas, especially stacked versions, requires a lot of tower space and a ham type rotor. Since you don't need much gain for E-skip, and LB tropo isn't all that common, it is difficult to justify such expense unless you are after a lot of meteor scatter DX or you need extremely high directivity.

FM Yagis: The same 20% of bandwidth rule of thumb used to evaluate HB yagis applies to FM yagis as we again have a 20% bandwidth swing (88 to 108 mhz).

A good wide-spaced 6-element yagi, the Finco MF4G, possesses excellent VSWR, and fair to good gain, F/B, and F/S ratios. Unfortunately, gain is low (6.8 db) at 88 mhz, typical of Finco designs. Peak gain is 10 db, about the most you can squeeze out of 6-elements even if on a long boom.

The Finco FM5G is a good example of the "numbers" game played by most companies. Although it has 10 elements, the boom is only slightly longer than the FM4G. Result: generally poorer performance than the FM4G, but peak gains up to 11 db. FM4G wholesales for about \$16; FM5G for about \$23.

Surprisingly, not too many 10-element FM yagis are offered today. Log periodics, or log/yagis, abound. However, several 5-element yagis are common. The dual driven element types are preferred for lower VSWR.

Review-

Summarizing, let's repeat those items you'll want to remember about VHF yagis.

A) Single Channel, 10 element

- 1) Look for wide director spacing, hopefully 0.2 wavelength but realistically 0.15 wavelength on HB and 0.1 to 0.15 minimum on LB.
- 2) One driven element is adequate, but be sure some means is built in to insure a 300 ohm match to a 300 ohm line, or 75 to 75.

- 3) Expect gains of about 11 db for 0.2 wavelength spaced directors, 9 db for 0.15 wavelength spacing, and 8 db for 0.1 wavelength spacing.
 - 4) F/B ratios should be between 10 and 25 db, with possibly better values with closer spacing.
 - 5) F/S ratios should be from 15 to 30 db, with 25 db typical for 0.2 wavelength director spacing.
- B) Single Channel, 5 element
Good Match, otherwise about 2.5 db lower gain, F/B, and F/S values than 10-element type.
- C) Wideband yagis
- 1) Avoid 2-13 or 2-83 yagis if you can.
 - 2) Almost any 10-element HB yagi should give good results for DXing; a 2 or 4-stack lightweight HB array is possible for very high gain at very low cost. Look for two driven elements.
 - 3) FM yagis can span the 88-108 mhz band quite well if two driven elements are used. Expect 8 db average gain for 6 elements and 8 to 10 db for 10 elements (depending again on spacing).
 - 4) LB TV yagis are similar to (3) above, but expect only 5 db average gain for 5 or 6 element types and 7 db average gain for 10 element types. Low gain may exist at channel 2, and uneven gain with varying VSWR is common.
 - 5) In any wideband yagi, especially LB and FM, suckouts, poor F/S and F/B ratios, and poor impedance match are quite probable on some channels. It is almost impossible to predict the channels that suffer the most, but usually they are at the low end of the band.

73's

Dave

CONVENTION*CONVENTION*CONVENTION

Remember the annual WTFDA convention is just a few months away. Yet to be named are a convention host and location. It is essential that a site be determined soon so that the detailed planning and scheduling involved can be begun early.

If you are interested in hosting or assisting with the planning of this years confab please contact convention planning chairman Bob Seybold now. We want to make this years get together as successful as the past ones held in Chicago (Steger), Dunkirk, and East Lansing.

Preferably a central U.S. location is desired -- both for the convenience of travelers (so that members from all parts of the continent have relatively easy access) and for the ease of travel connections.

A summer date is preferred for the big event -- ideally late June thru August -- so that our members can take advantage of good weather and vacation time to attend.

So please give it some thought -- do it now. We'd like to make this years WTFDA convention better than ever!

STATISTICS

NEW TV DX RECORDS

Glenn Hauser, editor
PSC Box 42309
Kelly AFB TX 78241
February 1972

Ch	Call	Location	Prop Miles	DXer	Location	Old Record
2	KØ2GD	Cañon City CO	Gw 0	Stu Grade	Cañon City CO	of KKTV-11 new
	WTWO	Terre Haute IN	MS 790	Dave Egan	Valleyfield PQ	Cooper 610
	KTVI	Saint Louis MO	MS 945	Dave Egan	Valleyfield PQ	new
	KØ2AV	Saint George UT	Gw 0	Stu Grade	Saint George UT	new
		Panamá, Panamá	Gw 35	Dave Swanson	Margarita CZ	TV Nacional new
3	WEAR-	Pensacola FL (AL)	Tr 660	Glenn Hauser	Von Ormy TX	Howington 565
	WKYC-	Cleveland OH	Tr 395	Jerry Pulice	Staten Island NY	Draeb 360
4	KØ4FZ	Cañon City CO	Gw 0	Stu Grade	Cañon City CO	of KRDO-13 new
	WTOM-	Cheboygan MI	MS 975	Robert Cooper	Oklahoma City OK	new
	WWJ-	Detroit MI	MS 895	Robert Cooper	Oklahoma City OK	Hauser 880
	WWJ-	Detroit MI	Tr 485	Jerry Pulice	Staten Island NY	Pizzi 285
	WCLV	Charleston SC	MS 920	Dave Egan	Valleyfield PQ	Draeb 905
	CFCM-	Québec PQ	Tr 170	Dave Egan	Valleyfield PQ	Girard 115
		Panamá, Panamá	Gw 35	Dave Swanson	Margarita CZ	RPC-TV new
5	KSTP-	Saint Paul MN	MS 1000	Jerry Pulice	Staten Is NY	Kozlowski/Nieman 720
	TITVGR	Golfito, Costa Rica	Tr 235	Dave Swanson	Margarita CZ	new
6	WCIX-	South Miami FL	Es 1410	Dave Egan	Valleyfield PQ	Neal 1320
	KOTV	Tulsa OK	Tr 725	Bill Draeb	Kewaunee WI	Janowiak 640
	XHTI-	Puebla Pue	Es 1120	Robert Cooper	Oklahoma City OK	new
		San José, Costa Rica	Tr 290	Dave Swanson	Margarita CZ	Telecentro new
		El Valle, Panamá	Gw 45	Dave Swanson	Margarita CZ	TV Nacional new
7	WCIQ	Mt Cheaha AL	Tr 805	Glenn Hauser	Von Ormy TX	Rareshide/LeBlanc 350
	WPBN-	Traverse City MI	MS 865	Robert Cooper	Oklahoma City OK	new
	WBBJ-	Jackson TN	Tr 485	Robert Cooper	Oklahoma City OK	new
		Chepo, Panamá	Gw 55	Dave Swanson	Margarita CZ	new
8	KØ8BN	Saint George UT	Gw 0	Stu Grade	Saint George UT	new
		Balboa CZ	Gw 35	Dave Swanson	Margarita CZ	SCN new
9	WTVM	Columbus GA	Tr 845	Glenn Hauser	Von Ormy TX	Clark 510
	WSOC-	Charlotte NC	MS 1120	Glenn Hauser	Von Ormy TX	Draeb 790
10	WIS-	Columbia SC	Tr 1100	Glenn Hauser	Von Ormy TX	Cody 675
		Fort Davis CZ	Gw 5	Dave Swanson	Margarita CZ	SCN new
12	WRDW-	Augusta GA (SC)	Tr 1020	Glenn Hauser	Von Ormy TX	Cody 750
	KTXS-	Sweetwater TX	Tr 615	Ron Le Blanc	Marrero LA	Foster 465
		El Valle, Panamá	Gw 45	Dave Swanson	Margarita CZ	new
13	KØ3CA	Saint George UT	Gw 0	Stu Grade	Saint George UT	new
15	WOWL-	Florence AL	Tr 690	Robert Seybold	Dunkirk NY	Cooper 560
16	WNPE	Watertown NY	200	Robert Seybold	Dunkirk NY	Rosenberg/Lewis 175
17	WTCG	Atlanta GA	890	Glenn Hauser	Von Ormy TX	Cooper 755
18	WDHN	Dothan AL	760	Robert Cooper	Oklahoma City OK	Clark 470
	WCCB-	Charlotte NC	510	Jerry Pulice	Staten Island NY	Vogt 310
19	WKPT-	Kingsport TN	845	Robert Cooper	Oklahoma City OK	Draeb 615
20	WCES-	Wrens GA	515	Ron Le Blanc	Marrero LA	Clark 510
22	WJCL	Savannah GA	1040	Glenn Hauser	Von Ormy TX	Kureth 265
23	WAJA-	Miami FL	15	Robert Frantz	Fort Lauderdale FL	Clark TLE
	WKZT	Elizabethtown KY	655	Robert Cooper	Oklahoma City OK	Rosenberg 530
25	WHIQ	Huntsville AL	795	Glenn Hauser	Von Ormy TX	Seybold 655
	WACS-	Dawson GA	785	Robert Cooper	Oklahoma City OK	Clark 475
	WOLO-	Columbia SC	590	Jerry Pulice	Staten Island NY	Clark 540
26	WTVK	Knoxville TN	755	Robert Cooper	Oklahoma City OK	Draeb 615
29	WDXR-	Paducah KY	620	Robert Seybold	Dunkirk NY	Neal 615
30	WETV	Atlanta GA	895	Glenn Hauser	Von Ormy TX	Cooper 755
31	WAAY-	Huntsville AL	795	Glenn Hauser	Von Ormy TX	Lewis 725
32	WKAB-	Montgomery AL	795	Robert Seybold	Dunkirk NY	Le Blanc 285
33	WCFT-	Tuscaloosa AL	775	Robert Seybold	Dunkirk NY	Neal 700

STATISTICS

33	WRBT	Baton Rouge LA	510	Robert Cooper, Oklahoma City OK	Hauser	455
	WYXX-	Columbus GA	840	Glenn Hauser, Von Ormy TX	Clark	515
40	WXLT	Sarasota FL	495	Ron Le Blanc, Marrero LA		new
	WAIM-	Anderson SC	840	Robert Cooper, Oklahoma City OK	Heusmann	115
45	WTGI	Chattanooga TN	460	Ron Le Blanc, Marrero LA		new
47	WSVN-	Norton VA	825	Robert Cooper, Oklahoma City OK	Draeb	580
58	WRTV	Newark NJ	15	Jerry Pulice, Staten Island NY		new
66	W66AA	New York NY	15	Jerry Pulice, Staten Island NY	of WABC-7	new
72	W72	Cattaraugus etc NY	100	Mark Lewis, Downsview Ont	of WNED-17	new
73	W73AP	New York NY	20	Paul Luchter, Oceanside NY	of WPIX-11	new
	W73AC	Clarks Summitt etc PA	240	Mark Lewis, Downsview Ont	of WNEP-16	new
75	W75AM	New York NY	20	Paul Luchter, Oceanside NY	of WNET-13	new

TV SCOREBOARD

<u>DXer, Location</u>	<u>Stns</u>	<u>UhF</u>	<u>Es</u>	<u>States</u>	<u>Prov</u>	<u>Lands</u>	<u>YB</u>	<u>As of:</u>
Robert Seybold, Dunkirk NY	552	179		49+DC	8	6		8 Nov
Bill Draeb, Kewaunee WI	469	158	138	41+DC	6	3	53	20 Dec
Robert Cooper, Oklahoma City OK	435	159		40	5	7	69	6 Jan
Ferdinand Dombrowski, Wisconsin	372	91	147	44+DC	6	10	50	22 Nov
Dave Janowiak, Milwaukee WI	366	103		45+DC		3		1 Nov
Glen Neal, Sayre OK	352	78	166	40+DC	4	3	66	5 Dec
Roger Brown, East Lansing MI	325	139		39	5	4		1 Nov
John Parillo, Girard OH	310	69		34+DC	5	3	51	4 Dec
*Gary Olson, Deerfield area IL	303	92		38+DC	7	5		8 Sep
Mark Lewis, Downsview Ont	265							27 Oct
Bill Heusmann, Steger IL	259	79	79	37	6	5	64	10 Oct
*Marrie Goldman, Chicago IL	247					4	64	28 Aug
*Fred McCormack, Des Lacs ND	242	29	140	39	6	3	64	31 Aug
*Frank Wheeler, Erie PA	232	36	105	32+DC	9	3	55	26 Aug
Ron Le Blanc, Marrero LA	217	51	55	30	2	6	67	12 Dec
Jerry Pulice, Staten Island NY	215	72	63	34+DC	3	3	62	4 Jan
Glenn Hauser, San Antonio area TX	186	29	62	34	1	5	71	12 Jan
Les Prus, Manhattan KS	176	10	84	34+DC	5	3	69	7 Sep
Don Ruland, Kenosha WI	162	54	7	24	1	2	71	11 Jan
J Joel Rosenberg, Downsview Ont	149	61	37	28	4	2	69	30 Sep
Pat Dyer, San Antonio TX	147	6	75	34	2	5	59	9 Jan
*Joe Kureth, Southern Pines NC	145	29	55	26+DC	4	4		1 Aug
Dennis Smith, Wasco CA	144	26	86	25	3	3	54	8 Dec
Larry Vogt, Springfield VA	142	61	44	30+DC	2	3	62	7 Nov
Dave Egan, Valleyfield PQ	137	3	41	31+DC	4	2	67	25 Dec
*Paul Luchter, Oceanside NY	135	52	46	27+DC	3	2	67	8 Aug
Harry Hein, Chicago IL	128	62	14	17	1	2	70	3 Nov
*Bill Migley, Lancaster OH	123	40	37	25	6	3	66	31 Aug
Fred Nordquist, North Syracuse NY	110	21	28	20	2	2	69	4 Jan
Jim Pizzi, Orcutt CA	107							7 Nov
Roy Horsley, Steele AL	106	19	44	19	4	5	57	5 Jan
David L. Brown, Farmville VA	91	4	53	23+DC	5	4	70	1 Nov
Joe Kureth, Maryland	66	25	14	16+DC	0	2		18 Nov
*Pat Dyer, Gunbarrel Hill CO	48		28	28	3	3	71	7 Sep
Dennis Smith, Santa Bárbara CA	35	12	8	4	0	2	51	8 Dec
Dave Swanson, Margarita CZ	22	0	11	2	0	7	71	12 Dec
Peter Sawatzky, Waterloo Ont	18	0	0	4	1	2		Oct
Dave Egan, Valleyfield PQ (verified)	118	2	37	31+DC	3	2	67	25 Dec

*To remain in standings, you must provide an update by 13 March deadline. YB = yearbegan!

Comments: "NYC translators are parabolic reflectors aimed north from Empire State Building., I am east of them." (Luchter). TVF shows following calls for them, all 1000 watts: W53AA = WCBS; W57AB = WNBC; W64AA = WNEW; W66AA = WABC; W71AK = WOR; W73AP = WPIX; W75AM = WNET; W79AW = WNYC. (Ed.) Dombrowski's 10 TV countries include Dominican Republic, W. Germany, France, Belgium, England, and Northern Ireland, plus the usual four.

NEW FMDX RECORDS

Quite a few of the 88-92 MHz records have already been exceeded. All too often reporters have missed our deadline! Mail by the 5th to be safe! Others have sent updates. The record previously published can be assumed to stand for any freq/prop not mentioned. Thanks to: Bishop, Bolin, Russ Brown, Cooper, Dorner, Dyer, Hauser, Hayes, Hobday, Wood, Howington, Le Blanc, Merrill, Moe, McCormack, Nordquist, Pizzi, Prus, Sawatzky, Seybold.

MHz	Pr	Call	Location	Miles	DXer	Location	Old Record
88.1	Es	WAUP	Akron OH	1255	Glenn Hauser,	Von Ormy TX	KUNR/1235/Cooper
	Tr	KSOZ	Point Lookout MO	515	Russ Brown,	Saint Joseph MI	WESU/305/Vogt
	MS	KDPS	Des Moines IA	900	Glenn Hauser,	Von Ormy TX	new
88.3	Au	WHWC	Golfax WI	330	Russ Brown,	Saint Joseph MI	new
88.5	Tr	WRAS	Atlanta GA	890	Glenn Hauser,	Von Ormy TX	KMSM/610/Elving
	MS	WFDD-	Winston-Salem NC	1160	Glenn Hauser,	Von Ormy TX	new
88.7	Tr	WSIE	Edwardsville IL	820	Glenn Hauser,	Von Ormy TX	WHA/675/Cooper
	MS	WHA-	Madison WI	1080	Glenn Hauser,	Von Ormy TX	WHA/695/Vogt
88.9	Tr	WKES	Chattanooga TN	875	Glenn Hauser,	Von Ormy TX	WEKU/505/Kopec
	MS	WKES	Chattanooga TN	875	Glenn Hauser,	Von Ormy TX	new
89.1	Tr	KMUW	Wichita KS	640	Russ Brown,	Saint Joseph MI	WONC/395/Elving
89.3	Tr	KCUR-	Kansas City MO	715	Glenn Hauser,	Von Ormy TX	KCUR/700/Howington
	MS	WKKW	Chilton WI	1165	Glenn Hauser,	Von Ormy TX	WCAL/990/Fela
89.5	Tr	WMOT	Murfreesboro TN	840	Glenn Hauser,	Von Ormy TX	WNIU/640/Vogt
	MS	WMOT	Murfreesboro TN	840	Glenn Hauser,	Von Ormy TX	new
89.7	Tr	WUSF	Tampa FL	995	Glenn Hauser,	Von Ormy TX	WOSU/655/Elving
89.9	Tr	WHSB	Brule WI	660	Robert Seybold,	Dunkirk NY	WHSB/640/Howington
90.1	Tr	KPFT	Houston TX	785	Andy Bolin,	Charleston IL	KSJR/725/Howington
90.3	MS	WHLA	Holman WI	1085	Glenn Hauser,	Von Ormy TX	WHLA/800/Vogt
90.5	Tr	KXCV	Maryville MO	790	Glenn Hauser,	Von Ormy TX	KXCV/635/McCormack
	MS	KXCV	Maryville MO	790	Glenn Hauser,	Von Ormy TX	new
90.7	Tr	WSMC-	Collegedale TN	885	Glenn Hauser,	Von Ormy TX	WHAD/740/McCormack
	MS	WHAD	Delafield WI	885	Waldo F. Bishop,	Tallahassee FL	WSMC/880/Hauser
	Au	WHAD	Delafield WI	105	Russ Brown,	Saint Joseph MI	new
90.9	Es	KCSU-	Fort Collins CO	1355	Waldo F. Bishop,	Tallahassee FL	KCSU/1225/Howington
	Tr	WILL-	Urbana IL	705	Waldo F. Bishop,	Tallahassee FL	KCMW/665/Howington
91.1	MS	KWBI	Morrison CO	980	Russ Brown,	Saint Joseph MI	KSJN/920/Vogt
	Au	KSJN	New Brighton MN	395	Russ Brown,	Saint Joseph MI	CJRT/240/Merrill
91.5	Au	KANU	Lawrence KS	505	Russ Brown,	Saint Joseph MI	WRPI/TIE/Merrill
91.7	Es	WUOM	Ann Arbor MI	1215	Glenn Hauser,	Von Ormy TX	KRWG/1130/McCormack
92.1	Au	WTTV	Bloomington IN	DELETE THIS ENTRY; frequency error; full 92 MHz news later			
92.3	Au	WTTV	Bloomington IN	520	John Ebeling,	Bloomington MN	WCUY/440/Remington

93 MHZ FM DX RECORDS

93.1	Es	WPAT-	Paterson NJ	1435	Fred McCormack,	Des Lacs ND	
	Tr	WNAP	Indianapolis IN	705	Richard E. Wood,	Baton Rouge LA	
	MS	WJBK-	Detroit MI	890	Robert Cooper,	Oklahoma City OK	now WDEE
93.2	Es	XEH-	Monterrey NL	750	Glenn Hauser,	Enid OK	now 93.3
93.3	Es	WFLS-	Fredericksburg VA	1380	Fred McCormack,	Des Lacs ND	
	Tr	WFLA-	Tampa FL	995	Glenn Hauser,	Von Ormy TX	
	MS	KSJM	Jamestown ND	785	Robert Cooper,	Oklahoma City OK	
	Au	WBBW-	Youngstown OH	680	John Ebeling,	Bloomington MN	
93.5	Es	WVOX-	New Rochelle NY	1325	Robert Cooper,	Oklahoma City OK	
	Tr	WMPL-	Hancock MI	610	Fred McCormack,	Des Lacs ND	
	MS	KCHF-	Sicux Falls SD	515	Andy Bolin,	Charleston IL	
93.7	Es	WLVA	Hartford CT	1390	Robert Cooper,	Oklahoma City OK	
	Tr	KBNO	Houston TX	1090	Carlton Howington,	Uniontown OH	now KRLY
	MS	WCCM-	Lawrence MA	1475	Robert Cooper,	Oklahoma City OK	
	Au	WJFM	Grand Rapids MI	475	Fred Nordquist,	North Syracuse NY	
93.9	Es	KSIX-	Corpus Christi TX	430	Fred McCormack,	Des Lacs ND	/LA-TIE/
	Tr	KSIX-	Corpus Christi TX	475	Ron LeBlanc,	Marrero LA & Mike Dorner,	Metairie/
	MS	WBAG-	Burlington NC	1005	Robert Cooper,	Oklahoma City OK	

Contributors of 93 MHz record candidates: Bishop, Bolin, Cooper, Dorner, Ebeling, Fela, Hauser, Hobday, Howington, Kopec, LeBlanc, McCormack, Merrill, Nordquist, Sawatzky, Seybold, Smith, Vogt, Wood. The more who participate, the more meaningful our compilations!

CHANNEL 11 TROPO TVDX RECORDS

KTHV	Little Rock AR	955	Alberto A. Garcia, Mérida Yuc	
KTTV	Los Angeles CA	225	Bill Fulton, Yuma AZ	
KNTV	San José CA	190	Dennis Smith, Wasco CA	
		tie	Jim Pizzi, Santa Maria CA	
K11FU	Springville-CA	45	Dennis Smith, Wasco CA	of KSBY-6
KIVA	Yuma AZ (CA)	225	Dave Beal, Tucson AZ	now off
KKTU	Colorado Springs CO	455	Robert Cooper, Oklahoma City OK	
WINK-	Fort Myers FL	550	Clarence Rareshide, New Orleans LA	
		tie	Ron Le Blanc, Marrero LA	
WFSU-	Tallahassee FL	320	Ron Le Blanc, Marrero LA	
WQXI-	Atlanta GA	890	Glenn Hauser, Von Ormy TX	was WLWA, WAIJ
WTOC-	Savannah GA	555	Ron Le Blanc, Marrero LA	
KLIX	Twin Falls ID	135	Morris Foote, Middleton ID	now WMVT
WTTW	Chicago IL	450	David Nieman, Buffalo NY	
KDIN-	Des Moines IA	360	Bill Draeb, Kewaunee WI	also as KDPS
KGLD-	Garden City KS	730	Gary Olson, Barrington IL	
KTWU	Topeka KS	245	Stu Grade, Sioux City IA	
WHAS-	Louisville KY	670	Robert Cooper, Oklahoma City OK	now in IN
		tie	Glenn Hauser, Enid OK	
WBAL-	Baltimore MD	645	Carl Lupton, Shelbyville IL	
WJAR-	Providence RI (MA)	410	L.A. Canning, Halifax NS	now ch10
WTCN-	Minneapolis MN	710	Robert Seybold, Dunkirk NY	shared with WMIN
WTCK-	Meridian MS	685	Carlton Howington, Homestead FL	
KPLR-	Saint Louis MO	630	Robert Seybold, Dunkirk NY	
KGIN-	Grand Island NE	630	Bill Draeb, Kewaunee WI	
WENH-	Durham NH	250	Donald Richardson, North Syracuse NY	
WPIX	New York NY	600	G. W. Lowther, Alexandria IN	
WTVD	Durham NC	685	Gary Olson, Barrington IL	
KTHI-	Grand Forks ND	245	Larry Addison, Fridley MN	
KXMD-	Williston ND	105	Fred McCormack, Des Lacs ND	
WKRC-	Cincinnati OH	350	F. J. Glaub, East Moline IL	now ch12
WTOL-	Toledo OH	740	Clarence Fleagle, Abilene KS	
K11GC	Gage OK	105	Glenn Hauser, Enid OK	of KFDA-10
KOED	Tulsa OK	725	Bill Draeb, Kewaunee WI	
WIIC	Pittsburgh PA	575	B. J. Bingham, Festus MO	
KHSD-	Lead SD	435	Marv Garber, Lincoln NE	
KELO-	Sioux Falls SD	865	Robert Seybold, Dunkirk NY	
WJHL-	Johnson City TN	855	Glenn Hauser, Enid OK	
KFJZ-	Fort Worth TX	760	Bill Meers, Lagrange KY	now KTVT
KGUL	Galveston TX	1245	Robert Seybold, Dunkirk NY	now KHOU Houston
KCBD-	Lubbock TX	730	Ron Le Blanc, Marrero LA	
		tie	Clarence Rareshide, New Orleans LA	
KBYU-	Provo UT	175	Matthew Wall, Twin Falls ID	
KTNT-	Tacoma WA	375	Charles Wood, Mount Ashland OR	
WLJK-	Green Bay WI	680	Dave Egan, Valleyfield PQ	
WMBV-	Marinette WI	505	Louis Matullo, Washington PA	now off
CKX-1	Foxwarren Man	155	Fred McCormack, Des Lacs ND	
"CBHT3"	Yarmouth NS	475	Jerry Pulice, Staten Island NY	
CHCH-	Hamilton Ont	525	Barney Rauch, Peoria IL	
CKWS-	Kingston Ont	385	Frank Merrill, Milan MI	
CKVR-1	Parry Sound Ont	35	Morris Sorensen, Emsdale Ont	
"CBVT"	Québec PQ	180	Dave Egan, Valleyfield PQ	
CMGH	San Miguel, Cuba	745	Ed Bourgeois, Norco LA	
XHBR-	Nuevo Laredo Tams	145	Pat Dyer, San Antonio TX	
WKBM-	Jaguas PR	90	Robert Cooper, Frederikstad VI	
KHAW-	Hilo HI	5	Glenn Hauser, Hilo HI	73 de Glenn

VHF DX

Pat Dyer
327 Solar Drive
San Antonio, Texas 78227
Deadline: 12th of month

FEBRUARY 1972

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

<u>7-8:</u> 1133, NMK 3	157.1	Atlantic City, NJ (USCG, 23 w)
<u>8-2:</u> 1553, -	128.3	vicinity of Wilmington, NC (Northeast Airlines Flight 131; DC-9)
1859, -	128.8	vicinity of Washington, DC (Northeast Airlines Flight 62; Boeing 727)
<u>18:</u> 1153, IACY	110.5	Atlantic City, NJ (FAA ILS, c.w., 75 w)
<u>9-5:</u> 1527, SWL	112.4	Snow Hill, MD (FAA VOR, c.w., 155 w)
<u>10-29:</u> 2335, N942PM	123.0	over Patuxent River, MD (Philip Morris, Inc.; Grumman Gulfstream)
<u>11-7:</u> 2032, N8174	119.7	over Severna Park, MD (Gordon A. Service; Piper Cherokee PA-28-180)
<u>13:</u> 1903, N6214L	119.7	Baltimore, MD (Friendship Flying Associates, Inc.; American AA-1 single engine)
1939, N2472L	119.9	5 mi Reading, PA (Fred Goldblatt; Cessna 172H single engine)
2336, N30454	119.7	near Baltimore, MD (William J. Meeller; Cessna 177B single engine 'Cardinal' 15 w)

Rick Stein, 456 Barrymore Place, North Brunswick, NJ 08902 EST

<u>12-10:</u> 1755, KKC 591	39.50	Franklin, LA (sheriff)
	KKA 781	39.50 Arcadia, LA (sheriff)
1757, KKD 815	39.50	Mansfield, LA (sheriff)
1758, KKL 580	39.50	Columbia, LA (sheriff)
1801, KKD 590	39.50	Harrisonburg, LA (sheriff)

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

<u>12-19:</u> 2230, KCC 482	KCC 223 (43)	1345, Scranton
	KCC 266	1230, KCC 482
<u>22:</u> 1200, KCC 266	KCC 223 (35)	<u>23:</u> 1300, Long Beach
	KGA 804	<u>26:</u> 1107, KCC 223 (35)
		Wilkes-Barre

Now, my loggings. 30-50 MHz with Allied A-2586, 2-ft whip and 30 feet of indoor random wire antenna; hi-band Wards 62-1 and 2-ft whip. All F2 unless noted. Only Spanish above 40-MHz noted; new underlined. CST used.

<u>12-14:</u> 2000, KIM 905 (Es)	18: 1132, KCD 586	23: 1100, KGC 522
<u>17:</u> 1418, KOP 303	1138, <u>KGD 390</u>	1219, KOP 303
1425, KCC 482	1149, Portland	1248, KOA 748
1428, KCC 266	1154, KOA 796	1253, KOA 796
1500, 45-Spanish	1334, KMB 305	1312, KOG 634
	<u>19:</u> 1114, KIM 905 (Es)	1315, Portland
	1200, KCA 695	<u>26:</u> 1605, OK City (Es)
1510, KOA 796	<u>20:</u> 1008, KCC 482	1623, KSJ 815 (Es)
1525, Oakland	1029, KJY 884	<u>29:</u> 1045, KCC 266
1531, <u>KOG 634</u>	1035, KED 411	KCC 482
1543, <u>Sacramento</u>	1052, KCD 344	1052, Scranton
<u>18:</u> 1040, <u>KCC 482</u>	1058, KDA 383	1059, KCD 346
1042, Scranton	1100, KCD 473	KGD 214
KCC 266	2343, KHB 41 (tr)	KGD 273
1050, KGC 223 (35)	<u>23:</u> 1059, KCB 526	KEI 744
1100, KGD 270		

29: 1102, KGC 223 (35) 2: 1038, KCE 579 3: 1208, KCC 482
 1115, KCE 869 2030, L Beach (Es) 9: 1312, Long Beach (Es)
 31: 1135, Long Beach (Es) 2051, KMA 829 (Es) 2226, KIQ 999 (Es)
 1136, KOE 257 (Es) 3: 1106, KAI 927 (Es) 11: 2318, KSD 326 (Es)
 1-2: 1012, KIN 645 (Es) 1110, KAQ 611 (Es)

KAI 927	35.34	Denver, CO	KGE 450	33.98	Allentown, PA-cf
KAQ 611	35.54	Rochester, MN	KHB 41	162.55	C. Christi, TX-w
KCA 695	33.78	Manchester, NH-f	KIM 905	35.22	Charlotte, NC
KCB 526	33.70	Kennebunkport, ME-f	KIN 645	35.22	Miami, FL
KCC 266	35.58	Springfield, MA	KIQ 999	35.34	Mobile, AL
KCC 482	35.22	Concord, NH	KJY 884	33 /	West Chester, PA-cf
KCD 344	33.94	Bloomfield, CT-vf	KMA 829	35 /	San Diego, CA
KCD 346	33.90	Tolland, CT-f	KMB 305	35.22	San Francisco, CA
KCD 473	33.70	Wolcott, CT-f	KOA 748	33.90	Seattle, WA-f
KCD 586	33.94	Wethersfield, CT-f	KOA 796	35.58	Portland, OR
KCE 579	33.78	Westmoreland, NH-f	KOE 257	43.58	Phoenix, AZ
KCE 869	33.70	Prospect, CT-vf	KOG 634	33.82	Kent, WA-f
KDA 383	33.90	Milford, NH-f	KOP 303	35.46	Langley, WA-mp
KED 411	33.86	Cliffside Park, NJ-f	KSD 326	35.58	Indianapolis, IN
KEI 744	33.94	Gladstone, NJ-f	KSJ 815	35.22	Fort Wayne, IN
KGA 804	43.22	Philadelphia, PA	-	35.58	Long Beach, CA
KGC 223	35.22/43.58	"	-	35.46	Oakland, CA-mp
KGC 522	33.78	Georgetown, DE-f	-	35.58	Oklahoma City, OK
KGD 214	33.90	York, PA-cf	-	35.26	Portland, OR-mp
KGD 270	33.94	Leonardtown, MD-cf	-	35.38	Sacramento, CA-mp
KGD 273	33.98	Bel Air, MD-f	-	35.58	Scranton, PA
KGD 390	33.94	Boyertown, PA-f	-	35.22	Wilkes-Barre, PA

f-fire, c-county, v-volunteer; mp-mobile phone; w-weather; rest paging

A2 tone ID's used by: KAI 927, KAQ 611, KIN 645, KIQ 999, KMA 829, KMB 305, KOP 303, KSD 326, and KSJ 815.

As for the past few months, any upswing of F2 into the 30-50 MHz region is invariably associated with a geomagnetic disturbance of some kind. (e.g., Dec 17-18, 29). During the period a lot of unidentified stations were in via Es.

Over the past few years there have been several paging stations that have quit operation (or moved to high band). A few of these are listed below with the last known owner in the hope that some members in the respective areas might make inquiry into their current status. Some haven't been heard in nearly 3 years and owners are over 5 years old.

KME 437	35.58	Santa Cruz Telephone Service (CA)
KIG 837	35.58	Answering Nashville (TN)
KOF 328	35.58	General Communications Service (Tucson, AZ)
KAA 893	43.58	New York Tech Inst, Cincinnati, Inc (St. Louis)
KQC 884	43.58	" " " (Highland Park, MI)
KQC 877	43.58	" " " (Cincinnati, OH)

These all were voice pagers but may have gone to A2 tone methods now.

With the rapid decline in Cycle 20, this may well be the last winter season for F2 DX in the 30-50 MHz range for a good while to come.

February 1972

TECH NOTES

Bob Cooper, Jr.
% CADCO, INC.
Box 18904, Oklahoma City, Ok.
73118

MORE ABOUT ...

(A) Hybrid Splitters

When stacking yagi antennas of identical design, and using the coaxial phasing method, you must of course use HYBRID splitters; a special type of splitter, as a signal "mixer" or "combiner".

In the past we have never recommended a specific device. We would like to caution you here about a specific device, that is NOT as it is marked or claimed.

Be WARY of ANY Channel Master Hybrid splitter(s). Specifically, the four way hybrid by Channel Master is NOT a hybrid. I have not looked into their two-way, but I suspect that it may not be also. This inspite of the fact that on the outer case, in clear unmistakeable English, it says "Hybrid Splitter".

Channel Master simply does not tell the truth.

Perhaps in most applications (ie. true splitting), the fact that their fourway Hybrid is NIT a hybrid is of little consequence. In a mixing application, it IS of major consequence.

If you are stacking VHF antennas now with a Channel Master Hybrid splitter, and are unhappy with the results, replace the Channel Master with somebody else's hybrid. No recommendations again except to note that if BLONDER TONGUE says one of their units is a hybrid, you can be quite certain it is indeed a hybrid.

Why all of the fuss?

If you coaxially stack antennas with phasing lines and a splitter, the splitter MUST be a hybrid or the system will not fly.

CMA-U PRE-AMPS FOR UHF

Should you use one? YES - provided you have a seven foot dish that is at least 60 feet above ground (clearing all trees, buildings, power lines, etc in the area) and you are feeding your dish with aluminum jacketed .412 or larger transmission line.

If you haven't done, or will not do these simple things first, the CMA-U is just a waste of money for you. Why burn 100 octane gas in a model T?

And if you have local UHF stations ... will the CMA-U overload? YES - when you point right at (or away from) the locals with your dish.

Won't that clobber your UHF converter with cross mod and images? YES it will. But that is simple to solve.

Install two separate down feedlines to your converter. Purchase a DOW-KEY DK-77G coaxial relay (fitted with "F" series fittings, 110 vac operated). Put the relay in a weatherproof box and run weatherproof 110

volt cable to the relay. Wire the CMA-U in so that it is on the OFF side of the coax relay (ie. antenna to relay to CMA-U to CMA-U down line) and wire the ON side of the relay so that you have antenna to separate non-CMA-U downline when the relay is energized.

This gives you two Coaxial down lines at the UHF converter input. Another ~~XXXXXXXXXX~~ DK-77G here, or simply push on "F" fittings, will select which one goes into your converter at any given moment.

Now, when you are pointing your dish into the local signals and the CMA-U is overloading, simply apply power to the relay(s) and you bypass the CMA-U and go directly into the converter. And there goes your overload.

UHF TROPO DISTANCES

"How come you always get stations on UHF up to 300 miles away, and I never see further than 150 miles on a regular basis? I have a seven foot dish too!"

Your antenna is not high enough (60 feet is adequate ONLY if you clear the local vegetation, power lines, buildings); you are using poorly designed and poorly installed UHF transmission line. You have splices all over the place. You have no CMA-U. You insist on using a built in set UHF converter/tuner. And so on.

If you want to play in the big leagues, get rid of your small fry approach to your installation.

"But when tropo is good, it doesn't make any difference does it?"

Wrong again. My reception of WSBK-38 Boston over a 1475 mile path was weak. Had I had my antenna 20 feet lower, I never would have seen it. And ditto had I been using 300 ohm foam line, no CMA-U and so on. Do it right, or forget the long haul UHF DX.

.412 ALUMINIUM CABLE

"I installed some. I have problems."

Common sense again. NEVER-never make it bend so that you see ANY type of crease or bend in the outer jacket on the cable. That will cost you a bad impedance bump and loss. Bend it slow and gentle. Use ONLY the proper .412 fittings. Put them on properly. Seal over the fittings with Silicon grease to shut out moisture. When you use GFF.412 transition fittings (.412 to type F RG-59/U), always seal over the RG-59/U "F" fitting also with silicon grease. Water or moisture will destroy UHF signals faster than anything known. Everything MUST be weathertight.

UHF CONVERTERS

"I don't believe the BTX-11A converter (Blonder Tongue) is so hot".

No-one said it was good. What we said was that it is the best of the bad. It must perform even better than the best built-in UHF tuner, or there is something amiss with the BTX-11A. UHF tuners are still the weak link in UHF system sensitivity ... and it will be sometime (if ever) before things get better. In the meantime, invest a lousy \$32.50 in a BTX-11A.

73, Bob Cooper, Jr.

CHANGES IN TV STATION ACTIVITY - 1971

From the January 3 edition of Television Digest, these summaries of new TV stations on, off, or off-on the air in 1971.

New Stations On Air:Net Changes For Year

Fort Smith, Ark.- KFPW-TV ch. 40 began 7-28-71	27 new stations
Tulare, Cal.-KMPH-TV Ch. 26 began 10-11-71	3 returned to air (2
Pueblo, Colo.- KTSC Ch. 8 began 2-3-71 (ETV)	left air earlier in
Gainesville, Fla.- WJCB Ch. 20 began 4-2-71	1971)-net gain 1
Sarasota, Fla.- WXLT-TV Ch. 40 began 10-23-71	12 left the air
Atlanta, Ge.- WHAE-TV Ch. 46 began 6-6-71	2 switched to ETV
Boise, Idaho - KAID Ch. 4 began 12-31-71 (ETV)	
Pocatello, Idaho - KBGL-TV began 6-13-71 (ETV), Ch. 10	
Peoria, Ill.- WTVP Ch. 47 began 6-30-71 (ETV)	
Indianapolis, Ind.- WURD Ch. 40 began 1-25-71	
Louisville, Ky.- WDRB Ch. 41 began 2-28-71	
Paducah, Ky.- WDXR-TV Ch. 29 began 5-21-71	
Baton Rouge, La.- WRBT Ch. 33 began 10-16-71	
Baltimore, Md.- WBFF Ch. 45 began 4-11-71	
Salisbury, Md.- WCPB Ch. 28 began 3-18-71 (ETV)	
Springfield, Mass.- WGBY-TV Ch. 57 began 9-27-71	
Battle Creek, Mi.- WUHQ-TV Ch. 41 began 7-24-71	
Traverse City, Mi.- WGTU Ch. 29 began 8-23-71	
State College, Miss.- WMAB Ch. 2 began 7-4-71 (ETV)	
Columbia, Mo.- KCBJ-TV Ch. 17 began 12-3-71	
Trenton, N.J.- WNJT Ch. 52 began 4-5-71 (ETV)	
Norwood, N.Y.- WNPI-TV Ch. 18 began 9-5-71 (ETV)	
Watertown, N.Y.- WNPE-TV Ch. 16 began 8-19-71 (ETV)	
Wilmington, N.C.- WUNJ-TV Ch. 39 began 6-6-71 (ETV)	
Austin, Tx. - KVUE Ch. 24 began 9-12-71	
Houston, Tx.- KVRL Ch. 26 began 8-15-71	
Norton, Va.- WSVN-TV Ch. 47 began 3-30-71 (ETV)	

TV Stations That Returned to Air in 1971 (after going off earlier)

Lebanon, N.H.- WRLH Ch. 31 (off 8-23-68; returned 8-3-71)
 Midland, Texas - KDCD-TV Ch. 18 (off 3-16-71; returned 12-10-71)
 Burlington, Vt.- WVNY-TV Ch. 22 (off 4-2-71; returned 9-17-71)

TV Stations That Left The air in 1971 (but perhaps not forever!)

San Francisco, Ca.- KFMC-TV Ch. 20 off 3-30-71
 Atlanta, Ge.- WATL-TV Ch. 36 off 3-30-71 (that must have been a bad date!)
 Augusta, Ge.- WATU-TV Ch. 26 off 2-22-71
 Pocatello, Idaho - KTLK Ch. 6 off 9-6-71
 Jacksonville, Ill.- WJFY-TV Ch. 14 off 9-15-71 (there goes my trope indicator)
 Muskegon, Mi.- WMKG Ch. 54 off 10-25-71
 Kansas City, Mo.- KCIT-TV Ch. 50 off 7-8-71
 Greensboro, N.C.- WUBC Ch. 48 off 6-21-71
 Kettering, Ch.- WKTR-TV Ch. 16 off 2-26-71
 Pittsburgh, Pa.- WPGH-TV Ch. 53 off 8-16-71
 Nashville, Tn. - WMCV Ch. 17 off 3-14-71
 Richardson, Tx.- KRET-TV Ch. 23 off 2-1-71 (ETV)

Commerical Stations Now Operating as ETV Outlets

San Fran, Ca.- KQEC-TV Ch. 32 (ETV), formerly KNEW; Muncie, Ind. WIPB-49 (XWLBC)

CENTRAL TV DX

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

February 1972

For TV DXers in Wi, Il, In, Mi, and Oh.

Next Deadline: 15 February!

It certainly is that time of the year again...at least in this part of the world! Don Ruland...long time DXer who finally forsook the South for Kenosha, Wi this past year sums up our winter DXing thus: "...this has got to be the lousiest 30 days of TV DXing I've seen in 18 years of DXing." Yup Don, that's right. Welcome to yankee land. Don goes on to note that this is the first winter spent North of Texas or Florida. Don...and hopefully a few others took advantage of the Geminids shower, and that Es opening of 12-14 noted last month for a little DXing but that was it. I've received only two or three reports this month from midwesterners. Several reports have passed through my hands on their way to Dave Pomeroy. Remember, reports from Pennsylvania and Eastern Canada go to Dave now. As it is, he won't receive the reports until after the February deadline.

The next 90 days are a bit slow from all DXers. Time to get antennas in shape...clean the tuner and get ready for another good season!

Don Ruland, 4448 68th Place, Kenosha, Wi. 53140 CST

12-14 MS 0552 WWL-4 New Orleans (890) also at 0602 w/ TP 0600 WKY-4 Okla City (720) also at 0616 w/ TP 0603 KDFW-4 Dallas (830) w/ ID slide 0627 WOAI-4 San Antonio (1090) also at 0630 w/ TP 0631 KGNC-4 Amarillo (900) w/ TP 0647 KATC-3 Lafayette, La (900) w/ TP 0656 KTBS-3 Shreveport (730) ID slide Es 1630 WEDU-3 Tampa, Fl. (1070) 1800 KTWO-2 Casper, Wy. (920) 1830 KIII-3 Corpus Christi (1160)	12-15 MS 0620 WOAI-4 San Antonio (1090) 0628 KFDX-3 Wichita Falls (830) w/ TP 0648 KATC-3 Lafayette, La (900) 12-16 MS 0652 KATC-3 Lafayette, w/ TP 1-4 MS 0538 WCIV-4 Charleston, SC (810) w/ TP 0654 KATC-3 Lafayette. w/ TP 1-7 MS 0624 WJXT-4 Jacksonville (920) 1-10 Tr 0558 WTHI-10 Terre Haute (220) and others to 200 mi S and E
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"I can't say I wasn't warned of what midwestern winters held in store for DX! In use since 12-13 is a high and low band tunable pre-amp, built by Dave Janowiak which has made a great difference in MS DXing. The gain is quite noticeable on all VHF channels. Unfortunately, Dave couldn't provide any trops to break it in! In the works for spring is a dish for UHF."

Gary Olson, 1203 Kenton Rd., Deerfield, Il. 60015 CST

12-27 Tr 0855 WLKY-32 Louisville (300)	12-14 1830 KOA-4 Denver
12-11 Tr 0830 WKEF-22 Dayton, Oh (270)	1930 KIII-3 Corpus Christi
0930 WXIX-19 Cincinnati (270)	

Your editor has nothing to report except a general breakdown of antennas. Plans are underway...equipment has been bought or ordered...to repair everything. Now if I can just get that Cherry Picker to the house without my wife seeing it...

Also nothing to report here on station news, etc. And, I don't have any real complaints this month. I urge all DXers to keep aware of station "events". I've received several reports in the past year including sightings of stations off the air. I also note a record in Glenn's column for a station that has been off for two years. Enough said.
73s. Rog

WESTERN TV DX

Dennis Park Smith
1200 W. Sacramento Ave., Apt 15
Chico, California 95926

February 1972

Deadlines: 12th of each month

There are quite a few reports this time, perhaps more than ever before for this time of year. Many DXers caught at least some of the action, and some reaped quite a harvest, depending on their endurance. Some meteor-shower activity produced some results, especially around 9-16 Dec (including high-band MS). There was a fair amount of sporadic-E: in late Nov/early Dec (24, 27, 30, 2, 3, 4, 5, 7); some great sessions around 13, 14 & 15 with TV & FM Es on 14th; and more scattered openings on Dec dates 23, 26, 29, 30. Les Prus drew a map based on some 14-Dec reports in the Midwest, in which a cold front with severe weather and tornadoes were present. Such turbulent weather and Es often occur together. If the direct causes of Es are ever pinpointed, we may then know the relationship between violent weather conditions (in the troposphere, up to 10 miles high) and Es (in the ionosphere, about 50 miles up). The real Christmas present was week-long tropo in southern Midwest and South from 21 to 27 Dec with Glenn Hauser catching VHF up to 1100 miles and UHF as far as 1040 miles! Somehow avoiding sleep, Glenn in Texas and Bob Cooper in Oklahoma saw quantity and quality over several days of tropo DXing.

The first report from:

Stanley A. Prus, 1615 Pierre Street, Manhattan, Kansas 66502 (14 Dec) (CST)

Here is my TV DX report. The TV I am using is a 23-in. B&W set that Les was fixing for our brother-in-law. The antenna used was a ch. 2 dipole. I am 8 years old and in the third grade. I watched DX on Les' TV before but this is the first time by myself.

- D13 Tr 0650 KOMU- 8 Columbia MO (IHTP) 225 (14)Es 1648 WGBH- 2 Boston? (tent.-SesameSt)
- (Les' conical ant. was used for the tropo.) 1655 KYW - 3 Philadelphia PA 1150
- 14 Es 1635 WMAR- 2 Baltimore? (tent.-Dragnet) 1700 WGR - 2 Buffalo NY (news)
- 1635 KDKA- 2 Pittsburgh PA 880 1705 WKYC- 3 Cleveland OH (news) 690
- 1648 WMAR- 2 Balt.? (tent.-BigValley) 1712 WSYR- 3 Syracuse NY (news) 1080

(Thanks very much, Stan, for your good report. Keep up the good work. dps)

Dave Pomeroy, 8720 W. 80th Street, Overland Park, Kansas 66204 (Dec-earlyJan) (CST)

- D12 Tr 2230 KCEJ-17 Columbia MO N 25 Tr 1100 KTVT 11 Ft. Worth TX
- 14 Es 1830 unId- 2 (east--NBC) 1130 KXII 12 Ardmore OK
- 20 Tr 2000 KDNL-30 St. Louis MO 1130 WFAA- 8 Dallas TX
- 23 Tr 1800 KHNE-29 Hastings NE J2 Tr 0900 KTHV 11 Little Rock AR
- 1830 KHOL-13 Kearney NE 1000 KOLR 10 SpringfieldMO (new call)
- (through WIFW-13) 1600 KCPT 19 Kansas CityMO (new call)

Good opening on Christmas Day--had to leave at noon, may have missed a lot of good stuff. Got new Sony battery-powered portable set for future remote DX'ing.

Fred McCormack, Des Lacs, North Dakota 58733 (December) (CST)

- D7 Es 1703 WBTB 3 Charlotte NC 3334N (7)Es 1807 WAVE- 3 Louisville (IN) 0332N
- 1714 WRC - 4 Washington DC 3033T 1828 WDCN- 2 Nashville TN 3434N
- 1730 WLW-C 4 Columbus OH 4033N 1829 WPCB- 3 Chattanooga TN 2334N
- 1759 WITV 4 Bloomington IN 4333N 1901 WREC- 3 Memphis TN 2035N

The only TV DX in December was a very good Es opening on 7th, observed on my GR-169 with rabbit ears in my basement apartment in Bismarck. With a local on ch. 5 and no outdoor antenna, I undoubtedly missed the better DX. There is a problem in the VHF antenna system at my Des Lacs QTH, but it is too cold now to do anything about it. I don't know when I will get back to DX'ing from there. 73.

Frank Aden, 915 S. Curtis #71, Boise, Idaho 83705 (5 Dec) (MDT) (?- dps)

Had a short E opening this date; Arvin 9-inch, 17-el. VHF antenna with rotor.

- D5 Es 1805 unIds 3,4,5 rotor SW (5)Es 2001 KARD KS & KLNE NE fighting, ch 3
- 1820 CBWFV 3 Winnipeg Man, fair-good 2015 WKY - 4 OKCity(tent,CBS movie),fr
- 1935 unId 4 rotor SE (Es out, 2020) 73s.

Robert J. Williams, 251 6th Avenue East, Twin Falls, Idaho 83301 (26 Aug - 10 Jan)

(MVT; MST Nov on) RCA 21" color, Airline B&W portable; various antennas, most homebuilt; 3 boosters; misc. other equip. (5) Es 2030-45 ch 2 unIds

A26 Tr 1105 KBOI- 2 Boise ID 44?3R 2 Tr 1030 KBOI- 2 Boise ID R

38 Tr 1003 KIFI- 8 Idaho Falls ID N 27 Tr 1055 KAID 4 Boise (new on air) N
(3rd high-band station logged) (call slide)

013 Tr 1045 KID - 3 Idaho Falls R 31 Tr 1700 KAID 4 Boise (1st official
(Id slide transparent on KUED s/on; Electric Co. (PBS))

cable leak: CCI "white-line" CRM J10 Tr 1429 KBOI- 2 Boise R

D5 Tr 2035 KBOI- 2 Boise R 1958 KAID 4 Boise R

As usual, DX is slow this year; however, I am really delighted with good reception of the new KAID 4 Boise. It is received with a 5-el. multichannel yagi side-mounted at garage (pole is in ground), approx. 12 feet above ground, with preamp and post amp. KAID's transmitter is at a high location. There is some CCI white-line interference from the cable but KAID is good and consistent enough to enjoy programs above the radiation. 73s, gud DX to you in '72.

James N. Pizzi, 300 Park, Orcutt, California 93454 (7 Nov - 18 Dec) (PST)

N7 Tr 1749 KPBS-15 San Diego CA 2225R245 (25) (Tr) 2305 KPBS-15 San Diego CA 1135R245

1750 KGST 39 San Diego 4555R245 2305 KCST 39 San Diego 1035R245

2345 KFMB- 8 San Diego 3444R245 D4 Es 2150-2220+ KMID-2 Midland TX 4534R080

2345 KOGO-10 San Diego 3444R245 2322 KTWO- 2 Casper WY (rx) 5543R936

8 Tr 0032 XETV 6 Tijuana RCN 3555R255 2337 KUTV 2 Salt Lake City UT 3332R612

12 Tr 0115- KTAR-12 Phoenix? (tent. ESE) 1055T 2338 KUTV 2 " 5555 "

0122 (end movie, s/off 0123) 5 Es 0930 KCKT 2 Great Bend KS 4543R1207

23 Tr 2136 KGSC 36 San Jose CA 1335R190 0930 KARD- 3 Wichita KS 2032R1286

2326 KMST 46 Monterey CA 3555R135 0930 KTVS 3 Sterling CO 4033R1008

25 Tr 2300 KGSC 36 San Jose 2335R190 15 Es 1800- unId 4-(Spanish) 4323

2300 KMST 46 Monterey 3345R135 1830 unIds 2,3,5

Pat Dyer, 327 Solar Drive, San Antonio, Texas 78227 (10 Dec - 10 Jan) (CST)

Receiver: 1971 9-in. B&W Penncrest (* 1968 RCA color GJ721W). Antenna: 6-el. hi-low VHF Yagi and 8-bay bowtie, 12 ft., aimed NE (* 11-el. hi-low VHF Yagi at 15 ft., aimed SE).

D13 Es 1259*WCBD- 2 Charleston SC 1055 (25) (Tr) 0140 KTXS-12 Sweetwater TX 280

1359*WESH- 2 Daytona Beach FL 1115 0150 KLBK-13 Lubbock TX 350

1615 KTVK 3 Phoenix AZ 240 0200*KFDA-10 Amarillo TX N450

1640 WCTV 6 Tallahassee FL N830 1159 KTVT 11 Fort Worth TX 230

17-- XHI - 2 Ciudad Obregon, Son. N725 WFAA- 8 Dallas TX 240

14 Es 1840-2000 2-6 unIds 2116 KTAL- 6 Shreveport LA N360

16 Tr 0008 KLTV 7 Tyler TX 280 26 Tr 0030 KTVT 11 Fort Worth TX 230

22 Tr 2030 KTVT 11 Fort Worth TX 230 0057 KLPK-13 Lubbock TX 350

2230 KERA-13 Dallas TX 240 0100 KDFW- 4 Dallas TX 240

WFAA- 8 Dallas 240 WFAA- 8 Dallas 240

23 Tr 0008*KGHT- 4 Harlingen TX 215 0105 KAUF- 6 Wichita Falls TX N310

0030 WLEW-13 Topeka KS N680 0115 KATV 7 Little Rock AR N510

0035 WBAP- 5 Fort Worth TX 230 0142 KMOM- 9 Monahans TX 295

0040 KDFW- 4 Dallas TX 240 0147 KTXS-12 Sweetwater TX 245

1358 KNCT 46 Belton TX N135 0155 KPBS- 3 Shreveport LA 360

24 Tr 1055 KTVT 11 Fort Worth TX 230 0200*KTUL- 8 Tulsa OK 485

2100 KNCT 46 Belton TX 135 Es 1629 KUSD- 2 Vermillion SD 930

2215 KSEL-28 Lubbock TX N350 31 Es 1105 unIds 2,3 (suspect KOAI, KORK) ?

(& unIds on Ch 33 or 34 and 38 or 39) J9 Es 1850- unIds 2,3 ?

25 Tr 0010 KLTV 7 Tyler TX 280 1910

0015 KRBC- 9 Abilene TX 220 10 Tr 0045 WFAA- 8 Dallas TX 240

The good tropo openings in December are a bit of a rare thing around here. The Ch 13 Topeka is an overland record for me. Considering the fix-aimed antenna system, the consistency of KLPK Lubbock (NNW) is startling. I sure could have used a rotor.

The UHF DX was nice to catch for the first time (KSEL-28 Lubbock). The UHF ant. is fixed NE (to Austin). There appeared to be little correlation in the Austin U's strengths and ducting elsewhere with the closer signals often far below normal levels.

(Pat Dyer's report, continued)

Back in November I thought I'd gotten KTEN 10 Ada OK; this turned out to be actually KFDA-TV 10 Amarillo.

Dec 14 Es hit the FM band so fast that I really didn't get much time to check the TV. The MUF shot from Ch 2 to Ch 6 in about 10 minutes. Ch 7 Austin several times had strong CCI on it which might have been Es or just plain trop. 73, WA5IYX/5.

Bob Cooper, Jr., 2609 Chaucer Drive, Oklahoma City, Oklahoma 73120 (9Dec- 7Jan) (CST)

Three meteor periods this session; an opportunity to "catch up" on gaping holes in the log on local channels (4,5), to try out the prototype of a new high-band meteor system, and to lose bunches of sleep. Plus an unusual amount of winter Es ... And the 'annual mid-winter fog tropo,' about one month earlier than usual. In addition to being early, it was probably the best 'tropo-December' I've seen in 21 years of TV DXing from various points about the globe. This period, 40 new, for 435 (159 UHF) total.

Dec 12 MS: On 0450 on 93.7, chs. 2, 7 & 8 simultaneously, new 40-element arrays and 1.0-db noise-figure 55-db gain pre-amps on 7 & 8. WJBK-2 MI dominant early, several color bars on 7 (drat!), split-screen CB on 8 with white box insert lower right, custom TP on 8, and IHTP w/ call top on 8. 0556 WLW-D 2 OH dominant, 0620 WSB-2 GA dominant, 0624 WERZ 2 LA for ch-2 number 57. 0653-0653:30 WTRF-7 WV (967 mi) on TP. Lots of bursts, mostly weak. Off 0705.

Dec 13 MS: On 0445 93.7, 2, 7, 8 simultaneously. Pings on 7 as early as 0450, 8 by 0507. 0505, etc. WRC-4 DC TP. 0507 on, CB on 7. 0551 IHTP on 7. 0554 WPBN-7 Traverse City MI w/ dual 7/4 Id slide, ch-7 no. 21 (895 mi). Not as good a morning as 12th, strangely. Off 0615. Es, 1651 tune-in, heavy session to south. XEHL-6 Guadalajara plus XEW-2 w/ heavy CCI. 1736 the mysterious XEHR-3 (last seen 16Jul70) and got photo of Id this time. 1740 new on air XHTI-6 Puebla--they appear to be 6+. Lots of other Spanish stuff in, but had to leave at 1840 with band still well open.

Dec 14: MS Geminids showing signs of peaking now. 0030-0130, unId 4 "TheLateShow" On 0440, 93.7, 4, 7, 8 simultaneously. 0450 CB (wLWC?) on 4, then s/on 0455. 0510 WRC-4. 0519 WFBC-4 SC. 0528 WWJ-4 MI w/ call slide in s/on sequence. 0536 WWL-4 LA RTMA chart w/ call. 0517 on, bullseye TP on 8. 0518 split screen CB on 8. 0541 full CB on 8. 0537 Sunrise Semester on 7. 0548 0550 0551 WPBN 7 again w/ dual 7/4 Id slide. 0550:30 WTOM-4 Cheboygan MI (980 mi) for other half of 7/4 team. 0605 bullseye TP on 7, plus CB from N/NE. 0607 more CB on 7. 0608 WBAY-2 WI w/ CB & call super. 0622:30 large circle on 7 w/ 7 in it. 0632 KTAL-3 MN wedge TP. 0638 IHTP RTMA on 3. Es 0711, ch 2 from NE; went back to bed. Es 1730 t/in, to NE & E. up into FM. Very little time (had people from NYC here to see demo of our new FATV system; all I could show them was ...), WSYR-3 NY WWAY-3 NC and many others. Left 1830 with band still wide open.

Dec 17 Tr At 1850 t/in, KDNL-30 MO (458 mi) WICS 20 IL (520) WICD 15 IL (576) and others to 0900 tune-out.

Dec 21 Tr 1850 t/in, WICS 20 IL (520) KHNE-29 NE (345) WDXR-29 KY (505) WKMA 35 KY (550) WKSA 29 KY (715) WKZT 25 Elizabethtown KY (645) Missed the best part of this one by getting home late. Duct into Kentucky was folding as I tuned in. 2015, new on air KCBJ 17 Columbia MO (370) WICD 15 IL (625) WREK-25 IL (561) others, 2200 t/out.

Dec 22: The combination lure of the annual Ursids meteor shower peak and the previous evening's tropo got me going before 0500. I set up on 4, 7, 8 and 93.7 initially and there were many bursts of programming instantly on 7. At 0510 a test pattern came up on the 40-element ch-8 quad and stayed...tropo.

Tr 0510	WISH- 8 Indianapolis IN	686	0606	WLEX-18 Lexington KY	740
	WLW-I 13 Indianapolis	686		KHQA- 7 Hannibal MO	485
0520	WAPI-13 Birmingham AL	623	0615	WNDU-16 South Bend IN	742
0524	WAAY-31 Huntsville AL	630	0621	WLKY-32 Louisville KY	675
	WHNT-19 Huntsville	630	0624	WHBQ-13 Memphis TN	405
0538	WHAS-11 Louisville KY	675	0627	WMSL-48 Decatur AL	601
	unId 12 (open carrier-WKRC?)		0628	WHMA-40 Anniston AL	701
0545	KFVS-12 Cape Girardeau MO	455	0639	WBMG 42 Birmingham AL	623
	(killed 12 for real DX)		0704	WAND-17 Decatur IL	660
0554	WKYT-27 Lexington KY	740	0709	WRAU 19 Peoria IL	561
0604	WEHT 25 Evansville IN	576	0717	KDNL-30 St. Louis MO	458

(Bob Cooper's report, continued)

(22)(Tr) 0721 WMED-31 Peoria IL 561 0905: Had to head to work. 1730 t/in:
 0736 WLFI-18 Lafayette IN 670 1730 KNCT 46 Belton TX 345
 0827 WSJV 38 Elkhart IN 740 KHFI-42 Austin TX 359
 0835 KCSD-19 Kansas City MO 297 1815 KVUE 24 Austin 359
 0841 WSBT-22 South Bend IN 742 2036 KCBJ 17 370
 0901 WCEE-23 Freeport IL 690 2215 KWEX-41 San Antonio TX 420

Dec 23 Tr 0023 t/in, KSAT-12 TX (420 mi) KATV 7 AR (305) KMBC-9 MO (297) KTRK-13 TX (420) and others 300-400 miles. 0630 t/in, KHFI-42 TX and others.

Gene the balance of the day; out of town.

Dec 24 Tr Easily one of the best winter tropo sessions in memory, one heck of a Christmas present! 1700 tune-in, KHTV 39 Houston (420) KHFI-42 KVUE 24 Austin (359) KNCT 46 Belton TX (345) KWEX-41 San Antonio (420). At 2140 check, expanded to KPRC-2 KVRL 26 Houston (420).

Dec 25 Tr At 0100 tune-in on:

Tr 0010 WAPT 16 Jackson MS 485	KSLA-12 Shreveport LA 305
KRIM-10 Roswell NM 420	WAFB- 9 Baton Rouge LA 504
KMOM- 9 Monahans TX 350	KTHV 11 Little Rock AR 305
KTRK 13 Houston TX 420	WRBT 33 Baton Rouge LA 504
KFDW-12 Clovis NM 370	KHFI-42 Austin TX 359
KTXS-12 Sweetwater TX	WBRZ 2 Baton Rouge LA 504
KSAT-12 San Antonio TX 420	0621 WLBT 3 Jackson MS 485
0123 KENS- 5 San Antonio 420	KTAL- 6 Shreveport LA 305
0145 KFDM- 6 Beaumont TX 425	KARK- 4 Little Rock AR 305
KBMT 12 Beaumont 425	KZLZ 10 530
0523 tune-in:	KLTV 7 Tyler TX
WWL - 4 New Orleans LA 575	KTTS-10 Springfield MO
KØ7FX 7 145	KUPK-13 Garden City KS
KTRK 13 Houston TX 420	KLNI-15 Lafayette LA 480
KFVS-12 Cape Girardeau MO 455	0644 on nice but weak duct:
KHOU-11 Houston TX 420	WYEA-38 Columbus GA 745
WAPI-13 Birmingham AL 623	WAPT 16 Jackson MS 485
KNOE- 8 Monroe LA 389	WCFT-33 Tuscaloosa AL 605
KLFI-10 Lafayette LA 485	WBMG 42 Birmingham AL 623
	0735:

At 0735 KFPW-40 Ft. Smith AR hit the air late with obvious transmitter problems. Behind them w/ zero-CCI was a signal. Between KFPW on-&-off xmtr operation, logged WAIM-40 Anderson SC (845 mi, UHF state no. 20), WAAY-31 Huntsville AL (605). The ducting signals were in & out and always very weak. I happened to spot WYEA at the very top of one of its infrequent up-fades, and sat there until they were identified. WAIM-40 would not have been noticed if KFPW-40 had not been there for CCI. A station on 20 (probably WCOV-Montgomery AL) and one on 19 & 25 were also in & out briefly but not ided. 1115 check, WRBT 33 LA still in plus lots of VHF.

1530 check, bits of frame bar still in on WRBT 33 and KSLA-12 LA still snowfree.

1832 check, WAPT 16 MS KVUE 24 KHFI-42 TX KHTV 39 TX in.

1945 check, add KTRK-13 TX WAPI-13 AL KTHV 11 AR WBMG 42 AL (623).

2120 check, add WIIK 41 AL (675) KVRL 26 TX (420) KPRC-2 TX (420) KATV 7 AR (305)

KLNI-15 LA (485). 2230 check, WWOM 26 LA (575) WRBT 33 LA (504).

2330 check, WMAA 29 MS (485).

Dec 26 Tr. By now the stage was set and fatigue became a problem. Stay up late or hit it early--decisions, decisions. 0016 WHBQ-13 Memphis TN.

Tr 0627 (missed the alarm..)	WAAY-31 Huntsville AL 630
WRBC- 6 Birmingham AL 623	0654 WYEA 38 Columbus GA 745
0635 WTVG 2 Chattanooga TN 688	WBMG 42 Birmingham AL 623
WAFB- 9 Baton Rouge LA 504	KHFI-42 Austin TX 359
WDAM- 7 Hattiesburg MI 570	KARK- 4 Little Rock AR 305
WFOK-11 Meridian MS 575	WJTV 12 Jackson MS 485
KLFI-10 Lafayette LA 485	0729 WTCG 17 Atlanta GA 754
KNOE- 8 Monroe LA 385	WDHN 18 760
WHBQ 13 Memphis TN 405	WCOV-20 Montgomery AL 675
WHNT-19 Huntsville AL 630	W18AB 18 360

Bob Cooper's report, continued) (26 Dec cont'd.)

At 0754 I made it to the east coast again on UHF with WJCL 22 Savannah GA (968), in & out until past 1000.

0803 KVUE 24 Austin TX	359	WHNT-19 Huntsville AL	630
WAPT 16 Jackson MS	485	WAAY-31 Huntsville	630
WRBT 33 Baton Rouge LA	504	WHMA-40 Anniston AL	701
WHAE-46 Atlanta GA	754	KLNI-15 Lafayette LA	485
WMSL-48 Decatur AL	601	WOWL-15 Florence AL	604
		0827 WKAB-32 Montgomery AL	675

At 0843 had likely 19 & 25 Columbia SC but not enough to Id. 0848 WCFT-33 AL (605), and then nothing new until 1048 w/ WJSP-28 GA (749) on TP. 1105 WCLP-18 GA (705). 1300 WHBQ-13 TN (405) KFVS-12 MO (454) KTHV 11 AR all strong. For the first time in memory, UHF (& VHF) signals from 400-750 mi stayed in through day, reaching a low around 1430-1500 and then starting back up.

1523 WETV 30 Atlanta GA	754	1758 WBBJ- 7 Jackson TN	580
WMAA 29 Jackson MS	485	1828 WFIQ 36 Florence AL	550
1751 WDXR-29 Paducah KY	501	WHIQ 25 Huntsville AL	630

At 1850 as the cold front moved in on us, a dramatic shift to NE, with due-east dominant signals going into heavy fading. Logged:

1850 WSVN 47 Norton VA	812	1937 WKPT 19 Kingsport TN	828
(UHF state no. 21)		(UHF state no. 22)	
1900 WCIQ 7 Mt Cheaha State Park AL	680	2037 WTVK 26 Knoxville TN	762

By 2130 all signals were either gone or highly erratic on UHF. The SW-NE cold front was sweeping down on us and the highly stable, unseasonably warm air was on the run.

And so was the DX. Around 2230 there was a last dying gasp from the lower atmosphere:

(26)(Tr) 2230 WQXI-11 Atlanta GA	754	27 Tr 0012 WBIR-10 Knoxville TN	762
Renewed UHF briefly,		0039 WTVM 9 Columbus GA	745
WLOX-13 Biloxi MS	635	0033 WAPI 13 Birmingham AL	623
WACS-25 Dawson GA	785	0050 WDEF-12 Chattanooga TN	686
WBKO 13	620	0050 WALA-10 Mobile AL (finally)	638

It was an excellent tropo session with 27 new stations logged in about 48 hours; the last time that happened since the fabled April '70 tropo session (with my totals under 200). We'll analyze this opening in an early edition of TeckNotes when all reports are in.

Dec 30 Es 1857 t/in until 1920, ch 2, east, probable WUSN-2 SC.

Jan 2 Tr 0917-1400, KHTV 39 Houston (420) in & out. 1830 check, KVRL 26 Houston (420). 1930-2135 approx, WAPT 16 Jackson MS (485) in & out on ducting. 73.

(Your ed. made some mistakes in Glenn's report in Nov. column, corrected as follows:)

026 Tr 0005 ("Star Trek"; 0450 back on w/Id)		(26)(Tr) 0740 WBMG 42 Birmingham AL	N755
Above is w/ WDSU-6, not KWTV 9.		(0743 ads, Id)	
		1028 WRBT 33 Baton Rouge LA	N455
		(political anmt, ad, Id; new on air)	

Glenn Hauser, Von Ormy, Texas (PSC Box 42309, Kelly AFB TX 78241) (6Dec-6Jan) (CST)

More fantastic Gulf tropo deluged this den with DX out to 1100 miles on VHF, but only 1040 miles on UHF!--during a 6-day period conveniently centered around Christmas. Quite a few hours spent watching ch. 9 for MS during the Geminids and Ursids were not so productive. Maybe with a little better tropo I'll be able to pull NE, IA, KY, NC, VA --having come mighty close three times, now. Northerners' laments of the "season being over" sound strange down here near San Antonio, as Dec. was my best tropo month yet!

D7 Tr 1755 XHX -10 Monterrey NL	265	(7)(Tr) 2220 KBIM-10 Roswell NM	N400
1757 XEFB- 3 Monterrey NL	4543 265	(Hobbs ad, during "9 o'clock report"; STL KUX90)	
1846 XHAW-12 Monterrey NL ?	T	2223 KSWS- 8 Roswell NM	410
1856 XET - 6 Monterrey NL	265	(Lubbock ads, nx)	
(all evening)		2242 KAVE- 6 Carlsbad NM	N405
1759 KOSA- 7 Odessa TX	285	(El Paso ads; KELP Id; hum on audio all the time; also video modulation off; 6ocl video cuts make audio buzz burst; 0009 Cavett show delayed; 0132 KAVE only audio s/off, joint slide; STLs WA23-24-25)	
(2359 brief s/off ment. K10HH Big Spring, then CB&tone for hrs)		8 Tr 0002 KMID- 2 Midland TX	290
2027 KMOM- 9 Monahans TX	305		
(tearing up KLRN; 0200 s/off w/ out local Id listing dozens of cities in 4/9 coverage area)			

(Glenn Hauser's report, continued)

D9-13 MS	am. unIds ch2 (improving condx MS)	(4)(Tr)	0717 KBIM-10 Roswell NM	400
11 Tr	1320 WWOM-26 New Orleans LA ?	T	(CB w/keyed CL o/others)	
	1545 WAFB- 9 Baton Rouge LA	450	0812 KSWO- 7 Lawton OK	325
	1830 KLFY-10 Lafayette LA	390	1029 KCTV 8 San Angelo TX	180
13 Es	1653 XEW - 2 Mexico DF ?	T	1711 WWOM-26 New Orleans LA ?	T
	1654 XHTV 4 Mexico DF ?	T	1859 KMID- 2 Midland TX	290
	1655 XHGC- 5 Mexico DF ?	T	1919 KLNI-15 New Iberia LA ?	T
	1707 XHP - 3 Puebla Pue ?	T	1919 WRBT 33 Baton Rouge LA	3545 455
	1802 XHFA- 2 Nogales Son ?	T	1929 WMAA 29 Jackson MS	535
	(RTMA TP, west, zero offset)		(2135, World Press repeat)	
	1803 XHEC- 3 Mexicali BCN	1020	2032 WAPT-16 Jackson MS	535
	1810 KNXT 2 Los Angeles CA	1185	2057 KSEL-28 Lubbock TX	345
14 MS	0605-50 ch 2: 55 bursts counted		2058 KMXN-34 Lubbock TX	345
	in 45 minutes!		(2230 mgr w/Xmas greets, talk abt stn's progress)	
MS	0642 WSOC- 9 Charlotte NC	N1120	2129 KAMU 15 Bryan TX ?	T
	(Barbara Walters; WSOC is the only EST NBC ch 9)		25 Tr	
Es	1815 KDKA- 2 Pittsburgh PA	1295	0007 WAFB- 9 Baton Rouge LA	455
	(1943+: MUF reached 99 MHz)		0007 KRBC- 9 Abilene TX	solid 220
	1959 WSB - 2 Atlanta GA	890	0007 KMOM- 9 Monahans TX	solid 305
15 MS	0550-0651 ch9: 14 bursts counted		0011 KSWO- 8 Roswell NM	410
	in 60 minutes.		0011 KCBF-11 Lubbock TX	345
Tr	2201 KNCT 46 Belton TX	140	0018 XHX -10 Monterrey NL	265
16 MS	0600-0650 ch9: only 1 burst noted.		0018 XEFE- 2 Nuevo Laredo Tams	135
22 Ch-9 ant.	put on separate rotor, w/FM ant.		0045 KNOE- 8 Monroe LA	435
Tr	2221 KTTV 39 Dallas TX	250	0055 KFDD-10 Amarillo TX	450
	2229 HERA-13 Dallas TX	250	(0150 affairs/off; intercity relay slide on for 5 mins. showing for KFDW: KDH93 Amarillo, KYP20 Umberger, KLW31 Summer- field, KLW32 Covina; for KFDD: KYP28 Panhandle, KHG52 Pampa, KHG53 Wheeler)	
	2323 KWTW 9 Oklahoma City OK	440	0055 KLOE-10 Goodland KS ?	T
	(2359, KFNB ad)		0102 KFDW-12 Clovis NM	N435
	2325 WIBW-13 Topeka KS	N685	(0152 s/off, poor resolution on local chain compared to KFDD relay)	
	(0034, s/off)		0107 KLBK-13 Lubbock TX	345
	2340 KTSP 27 Topeka KS	690	0109 KVII 7 Amarillo TX	450
23 Tr	0007 KMBC- 9 Kansas City MO ?	T	("Texas' tallest tower")	
	0036 WFAA- 8 Dallas TX	250	0139 KTXS-12 Sweetwater TX	235
	0037 KTUL- 8 Tulsa OK	N495	0802 KTSF 27 Topeka KS	690
	0602 KWTW 9 Oklahoma City OK	440	0829 KMTC 27 Springfield MO	650
	0605 KSLA-12 Shreveport LA	360	(0945 peak good video)	
	0655 KGNS- 8 Laredo TX	125	0859 KSEL-28 Lubbock TX	345
	(filthy TP, i.e., sealed)		1032 KUHI-16 Joplin MO	N585
	0912 KYII 12 Ardmore OK ?	T	1115 KAUZ- 6 Wichita Falls TX	315
	0915 KDTV 39 Dallas TX	250	1832 WRFT 33 Baton Rouge LA	455
	("Early Bird News": split screen w/ sto)		1859 KLNI-15 New Iberia LA	405
	1815 KLFY-10 Lafayette LA	390	1928 KTVE 10 El Dorado AR	455
	1816 KLNI-15 New Iberia LA ?	T	(0158, s/off)	
	1816 WRBT 33 Baton Rouge LA ?	T	2007 KTBS- 3 Shreveport LA	N360
	1859 KNCT 46 Belton TX	140	(0155, s/off)	
	2245 KMOM- 9 Monahans TX	305	2211 KMXN 34 Lubbock TX	345
	2245 KREC- 9 Abilene TX	220	2223 KBIM-10 Roswell NM ('9 Report!)	400
	2245 WAFB- 9 Baton Rouge LA	455	2227 KDTV 39 Dallas TX	250
24 Tr	0010 KTBS- 3 Shreveport LA ?	T	2324 HERA-13 Dallas TX	250
	0015 XHX -10 Monterrey NL	265	2334 WMAA 29 Jackson MS	530
	0017 KBIM-10 Roswell NM ?	T	(s/off, back at 3:55 PM)	
	0558 WJTV 12 Jackson MS (s/on)	530	2336 WAPT 16 Jackson MS	530
	0602 KSLA-12 Shreveport LA (TP)	360	2345 WAAY-31 Huntsville AL ?	T
	0605 KLBK-13 Lubbock TX (CB)	345		
	0658 KOSA- 7 Odessa TX (hvy fog)	285		

(Glenn Hauser's report, continued)

26 Tr 0003 KRBC- 9 Abilene TX 220 (26)Tr(WCIQ) (slide of all net stns, s/off)
 (co-slide w/KACB & Santa Claus) 2200 WETV 30 Atlanta GA N895
 0039 KTVT 11 Fort Worth TX 250 2219 WTCG 17 Atlanta GA N890
 (s/off w/STL KNZ72, also claim-
 ing Texas' tallest tower) 2229 WJCL 22 Savannah GA N1040
 (2240SSB, carrieroff at 2242:18)
 0101 KTFW- 4 Dallas TX 250 2245 WRBT 33 Baton Rouge LA 455
 0114 KLBK-13 Lubbock TX 345 0200 WAFB- 9 Baton Rouge LA 455
 0142 WALA-10 Mobile AL N650 27 Tr 0006 WAFB- 9 Baton Rouge LA 455
 (s/off msg but TP on video)
 0200 WAPI-13 Birmingham AL 750 0145 KLFY-10 Lafayette LA 390
 (0553 M-IHTP, s/on) 0521 WRDW-12 Augusta GA(SC) N1020
 (SSB, then slides w/CL, rooster on left)
 0210 KCCO- 5 Oklahoma City OK N440 0522 WTOK-11 Meridian MS ? T
 (s/off, still claiming aux studio in Erid!) 0524 WMAZ-13 Macon GA ? T
 0220 KAUZ- 6 Wichita Falls TX 315 0535 WTVM 9 Columbus GA N845
 (Lord's Prayer, 0223 off) (STL slide and tone; character-
 istic block 9 enclosing CL)
 0223 KOTV 6 Tulsa OK N500 0541 WIS -10 Columbia SC 1100
 (0225, drunk studio host) 0548 WJHG- 7 Panama City FL N795
 0224 KAVE- 6 Carlsbad NM 405 (Good Morning slide w/photo of
 seashore, palms; 0556 s/on)
 MS 0227 WQAD- 8 Moline IL ? T 0613 WLBT 3 Jackson MS N455
 Tr 0557 WQXI-11 Atlanta GA N890 1029 KUTV 2 Salt Lake City UT
 (Good Morning Atlanta, Id
 slide full screen script ones) 1118 KORK- 3 Las Vegas NV
 0600 KNOE- 8 Monroe LA 435 1129 KOAI- 2 Flagstaff AZ
 0601 WIS -10 Columbia SC N1100 29 Es 1740 WAFB- 9 Baton Rouge LA 455
 (TP, light on dark background w/CL) 1743 WRBT 33 Baton Rouge LA 455
 0608 WTVM 9 Columbus GA ? T 1833 KLNI-15 New Iberia LA ? T
 0616 WEAR- 3 Pensacola FL(AL) N660 J2 Tr 2035 WAPT 16 Jackson MS 530
 (circular TP w/CL, 0625 s/on) 2037 WETV 30 Atlanta GA 895
 0619 WWUE 8 New Orleans LA 515 (2144 Id)
 0619 WAFB- 7 Baton Rouge LA 455 2131 WJSP-28 Warm Springs GA N855
 (characteristic multiwedge TP) (repeat of PBS special;
 "Amen!" carrier off 2231:04)
 0645 WMSL-48 Huntsville AL ? T 2136 WYEA-38 Columbus GA 840
 0647 WBMG 42 Birmingham AL ? T 2136 WBMG 42 Birmingham AL ? T
 0648 WAAY-31 Huntsville AL N795 2138 WMAA 29 Jackson MS 530
 (0735 religious talk w/sound
 effects: WW binary code!) 2146 WHIQ 25 Huntsville AL N795
 (2159 Ala ETV Net s/off)
 0701 WJTV 12 Jackson MS 530 2157 WAAY-31 Huntsville AL 795
 0702 WYEA-38 Columbus GA N840 2302 WTOK-11 Meridian MS N620
 0655 KPRC- 2 Houston TX 200 (Large CL slide, soon off or faded out)
 0724 WHMA-40 Anniston AL ? T 2343 WWUE 8 New Orleans LA 515
 1200 KSWS- 8 Roswell NM 410 Until the next, 73 de Glenn.
 1200 KCBF-11 Lubbock TX 345

Es 1400 KNOP- 2 North Platte NE ? 5444T
 Tr 1447 WAPI-13 Birmingham AL ? T
 2159 WCIQ 7 Mt. Cheaha St. Park AL N805

Dennis Smith -- While home in Wasco for Thanksgiving, 25-27 Nov, new local KMPH
26 Tulare CA (80 mi) was seen, bringing the total TV logged to 144. The only other
 TV-DX seen was in the December Holidays, on 23 Dec, when Es brought these:
23 Es 1100 CFAC- 2 Calgary Alta 4434R1110(23)(Es)(1100) CFRN- 3 Edmonton Alta 4444R1300
 CBXT 5 Edmonton 3435R1300

On FM, after 20 Dec, XHIS-FM, seemingly on 90.3, Tijuana, is heard consistently
 (100 kW, 250 mi, good), Iding as "His Radio." XHOK-FM 100.1 Tijuana, "Stereo Rey,"
 (100 kW, 250 mi, also good) now calls itself "Hers Radio."
 On 22 Dec eve, KANG 89.7 Angwin CA (20 kW, 270 mi) was heard with weak fadey signal.
 On 30 Dec morning, new-on-air KVML-FM 92.7 Sonora CA (3 kW, 165 mi) was heard before
 locals came on, fair. All were by ground-wave/trapo. With 3 new, FM total is 189.

Best of DX to all

Dennis

EASTERN TV DX

Dave Pomeroy
 KCPT-Channel 19
 2100 Stark
 Kansas City, Mo. 64126
 Deadline: February 11

Tropo activity has dominated the last month as far as TV-Dx'ing goes in the eastern part of the country although some skip was reported during the latter part of December by reporters in New York and Virginia. The first sign of "off-season" skip was seen here in mid-January with WKTV-2 and WGBH-2.

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

9-30	Tr	0155	WBJA-34	Binghamton, NY	10-1	Tr	1150	WBFF-45	Baltimore, MD
		1045	WKBS-48	Philadelphia, PA			1400	WTVS-56	Detroit, MI
		1048	WINR-40	Binghamton, NY	10-4		1150	WNDU-16	South Bend, IN
		1100	WVIA-44	Scranton, PA			1330	WPTA-21	Ft. Wayne, IN
		1110	WUTR-20	Utica, NY			1520	WCNY-24	Syracuse, NY
		1140	WKBD-50	Detroit, MI	10-18		1000	WSKG-46	Binghamton, NY
		1200	WAKR-23	Akron, OH			1120	WCDC-19	N. Adams, MA
10-1		0105	WHAG-25	Hagerstown, MD	10-20		0730	WVTA-41	Windsor, VT
		0108	WLYH-15	Lebanon, PA			1120	WWLP-32	Springfield, MA
		1150	WUHQ-41	Battle Creek, MI					(Paul's total now 117 stations)

Dave Brown, Route 1, Box 514, Jackson Heights, Farmville, Virginia 23901 (EST)

7-13	Es	1900	CKCW-2	Moncton, NB	2334	8-15	Es	2300	KQTV-2	St. Joseph, MO
		1905	CBHT-3	Halifax, NS	2323			2330	UNID-3	WCIA-3 ? IL
		1910	CJCB-4	Sydney, NS	4445	9-3	Tr	1100	WWAY-3	Wilmington, NC
7-16		1500	KNOP-2	N. Platte, NE	4454	10-19		0245	WTEV-6	Rhode Island
		1530	KDUH-4	Hay Spring, NE				0320	WCBS-2	New York, NY
7-17		1130	KTIV-4	Sioux City, NE		10-21		0200	WNEW-5	New York, NY
		1200	KDUH-4	Hay Springs	3434			0210	UNID-7, 13	WABC-7 ?
		1230	KNOP-2	N. Platte, NE	4544			0222	UNID-6	
		1400	CMKU-2	Santiago de Cuba		12-14	Es	1730	KNOP-2	N. Platte, NE
		1405	WESH-2	Daytona Beach, FL				1731	KLNE-3	Lexington, NE
7-23		1700	KETS-2	Conway, AK	3334			1731	KHTL-4	Superior, NE
		1715	UNID-4	KGNC?				1800	KQTV-2	St. Joseph, MO
		1730	WMT-2	Cedar Rapids	3343			1800	WKY-4	Oklahoma City, OK
7-25		1110	KJAC-4	Port Arthur	3333			1803	KHAS-5	Hastings, NE
		1230	KQTV-2	St. Joseph, MO	3333			1820	KOCO-5	Oklahoma City, OK
		1300	KNOP-2	N. Platte, NE				1900	KETS-2	Conway, AK
		2000	UNID-2, 3	Spanish				1910	WOAI-4	San Antonio, TX
7-31		2300	KGBT-4	Harlingen, TX	3334			1920	KPRC-2	Houston, TX
8-1		1700	WMAB-2	State College, MS				1930	UNID-3	Spanish ID
		1705	KTEW-2	Tulsa, OK	4544	12-19		2315	CKCW-2	Moncton, NB
8-2		1650	CMKJ-3	Cuba	2432			2330	UNID-3	CKVR? Ontario
		2100	WDIQ-2	Dozier, AL	4544			2340	UNID-5	CHUM?
8-14	Tr	0130	WSAZ-3	Huntington, WV				0040	UNID-6	CJPM?
		0150	WHTN-13	Huntington, WV		1-4	Tr	0106	WPVI-6	Philadelphia, PA
8-15	Es	2000	KTEW-2	Tulsa, OK				0125	WTOP-9	Washington, DC
		2200	KLNE-3	Lexington, NE				0135	WCAU-10	Philadelphia, PA
		2230	KNOP-2	N. Platte, NE				0140	WJZ-13	Baltimore, MD

"I've been in the WTFDA since August of 1971, although this is my first report. I am primarily interested in FM-DX with TV-DX following a close second. Receiver is a 19" monochrome set and the antenna is a combination low-band and high-band "yagi" array aimed toward the east. No UHF antenna except dipole cut for semi-local channel 23. Log stands fat 91." (Thanks for your first report--I hope FM doesn't take up all of your time and you can keep busy on the VHF and UHF bands--a UHF antenna would help. dp)

EDITOR'S NOTE: Please note new address listed at the top of the page!

Bob Seybold, Bennett Road, Dunkirk, New York (EST)
 10-27, 28 Tr good conditions east--Vermont, Massachusetts, Pennsylvania, NY
 11-13 (also WUHQ-41 and WMCU-14 from Michigan)
 11-13 good opening to Illinois, Indiana, and Michigan
 WCIU-26 Chicago WFLD-32 Chicago WSNS-44 Chicago WSBT-22 South Bend, IN
 WNDU-16 South Bend WANE-15 Ft. Wayne WAND-17 Decatur, IL WICD-15 Champaign
 WTVO-17 Rockford, IL WCEE-23 Freeport, IL WSJV-28 Elkhart, IN WPTA-21
 Ft. Wayne WKJG-33 Ft. Wayne WMBD-31 Peoria, IL WKNX-25 Saginaw, MI
 WUHQ-41 Battle Creek, MI (occasional tropes during balance of November)
 12-1 to 12 a couple of openings during this period including: WJAN-17 Canton, OH
 WDHO-24 Toledo, OH WGTE-30 Toledo, OH WUHQ-41 Battle Creek WBGU-70 Bowling
 Green, OH WTVS-56 WXON-62 WKBD-50 Detroit, MI WUCM-17 University Center, MI
 WANE-15 Ft. Wayne WLFI-18 Lafayette, IN WKJG-33 Ft. Wayne WNDU-16 S. Bend
 WSBT-22 S. Bend, IN WSJV-28 Elkhart, IN (Occasional signs of E-skip)
 12-21 to 24 E-skip on all days, especially in late afternoon and evening--
 CJBR-3 CBHT-3 CHSJ-4 CJCB-4 WMAB-2 WDIQ-2 WDSU-6

Jerry Pulice, 143 Gibson Avenue, Staten Island, New York 10308 (EST)
 9-29 Tr WSBE-36 Providence, RI WRDU-28 Durham, NC WCPB-28 Salisbury, MD
 (reception of WRDU-28 signaled "biggest tropo session ever seen here.")
 9-30 Tr WOLO-25 Columbia, SC CBHT-1-11 12,23,57 Richmond, VA "returned
 from school to find incredible pileup to the west--never seen anything
 like it." WSYE-18 WENY-36 Elmira, NY WPSX-3 Clearfield, PA WBJA-34
WICZ-40 WSKG-46 Binghamton, NY WSYR-3 Syracuse, NY WJAC-6
 WFBG-10 Altoona, PA WHEC-10 WNED-17 Buffalo, NY WROC-8 WMPB-67 Balt.
 WQED-13 Pittsburgh WOKR-13 WHAG-25 Hagerstown, MD UNID-4 WTAE-4 Pitt.?
WUTV-29 Utica, NY WFMJ-21 WKBN-27 Youngstown, OH WKBF-61 Cleveland, OH
WYTV-33 Youngstown, OH
 10-1 Tr WUAB-43 Lorain, OH WSYE-18 Elmira, NY WOKR-13 Rochester, NY
WKYC-3 WEWS-5 Cleveland, OH WJET-24 Baltimore, MD CHEX-12
 WGR-2 Buffalo, NY WIIC-11 Pittsburgh, PA CHCH-11 Hamilton, Ontario
CKLW-9 Windsor, Ontario WJW-8 Cleveland, OH WHEN-5 WNYS-9 WFBG-10
 WTOL-11 Toledo, OH WHEC-10 WICU-12 Erie, PA WSPD-13 Toledo, OH
 UNID-13 WZZM? WWJ-4 Detroit, MI WOKR-13 WBEN-4 Buffalo, NY
 10-2 Tr from Central Pennsylvania and Massachusetts (Boston, etc.)
 10-14 Tr 20,30,49,53 Connecticut WSBE-36 Providence, Rhode Island
 10-15 Tr WNAC-7 WTEV-6 WHNB-30
 10-16 Tr Providence, Boston, etc. good
 10-17 Tr Central Pennsylvania, D.C., Maryland, Virginia at local quality
 10-20 Tr WFMJ-21 WICU-12 WIIC-11 WQED-13 WSEE-35 WOKR-13 WVIZ-25 Cleveland, OH
 WITF-33 Hershey, PA WTPA-21 WHP-21 WJAC-6 Johnstown, PA WENY-36 WICU-12
 10-21 Tr WFBG-10 WIIC-11 WHEN-5 WTRF-7 WICU-12 WFMJ-21 WSYE-18 WKBN-27 WROC-8
 WQED-13 WOKR-13 WSTV-9 (under WOR-9, not ID'd) WVPT-51 Staunton, VA
 WBJA-34 WPSX-3 W73AC-73 translator of WNEP-16 W76__-76 translator of WVIA-44
 12,13,33,39,44,46,56,67 all PBS! 2145 W8's on 2 meters
 10-23 Tr Binghamton, NY WJW-8 Cleveland, O. CHCH-11 Hamilton, Ontario 3-3

Ray Bell, 413 Burton Avenue, Washington, Pennsylvania 15301 (EST)
 12-29 Tr 1900 WNEP-16 Scranton, PA 12-29 Tr 1900 WOUB-20 Athens, OH
 to WTAP-15 Parkersburg, WV WFMJ-21 Youngstown, OH
 2000 WWVU-24 Morgantown, WV WAKR-23 Akron, OH
 WMUL-33 Huntington, WV WAUB-43 Lorain, OH
 WJAN-17 Canton, OH WKAS-25 Ashland, KY
 WHIZ-18 Zanesville, OH WKMR-38 Morehead, KY

(Thanks for your first report, Ray. dp)

Ronald, J. LeBlanc, 2524 Arizona Drive, Marrero, Louisiana 70072 (CST)

11-13 Tr	0700 KTHV-11 Little Rock	4454R350	11-25 Tr	1850 KHTV-39 Houston, TX	3345R321
	0730 KSLA-12 Shreveport	3233R289		1900 WBBH-20 Ft. Meyers	3445R564
#208	0830 KCBF-11 Lubbock, TX	2332N741		1930 WINK-11 Ft. Meyers	3443R564
	0900 KTVT-11 Dallas, TX	2332R485		2000 WTOG-44 St. Pete, FL	4445R488
	2231 KTVE-10 ElDorado	3243R350		2200 WXLN-40 Sarasota, FL	3445R503
11-14	0612 WTVT-13 Tampa, FL	3335R488		2205 KTVE-10 ElDorado, AK	5553R285
	1210 WLCY-10 Largo, FL	3444R472		2430 WLCY-10 Largo, FL	4555R488
	1218 WTOG-44 St. Pete, FL	3225R488		2431 WTVT-13 Tampa, FL	3455R488
11-16	1905 W70AU-70 Biloxi, MS	3445R77		0205 KTBS-3 Shreveport	3455R289
	2100 WSRE-23 Pensacola	3345R133	11-27	1030 KTBC-7 Austin, TX	3343R460
	2300 KTHV-11 Little Rock	3445R350		1031 KVUE-24 Austin, TX	3335R460
11-19	2000 WHIQ-25 Huntsville	3345R375		1110 KHTV-39 Houston, TX	3235R321
	2030 WBMG-42 Birmingham	4445R320		1130 KHOU-11 Houston, TX	3445R321
	2031 WIIQ-41 Demopolis	4445R220		2330 KTRK-13 Houston, TX	3243R321
	2100 WFIQ-36 Florence, AL	3345R260		2400 KVUE-24 Austin, TX	2235R460
	2155 WMSL-48 Decatur, AL	3345R375		2430 KTVE-10 ElDorado	3455R285
	2200 WETV-30 Atlanta, GA	3345R406		2435 KBMT-12 Beaumont, TX	2444R244
#209	2202 WCLP-18 Chatsworth	2235N473	11-30	0535 WFLA-8 Tampa, FL	3555R438
	2215 WHNT-19 Huntsville	5555R375		0540 WFTV-9 Orlando, FL	2355R510
	2216 WAAY-31 Huntsville	4555R375		0545 WLCY-10 Largo, FL	2353R472
#210	2217 WTVC-9 Chatanooga	3343N460		0600 KTRK-13 Houston, TX	3355R321
	2242 WTCG-17 Atlanta, GA	2345R406		1100 WTOG-44 St. Pete, FL	3335R488
	2400 WSFA-12 Montgomery	3342R289		1145 WXLN-40 Sarasota, FL	3325R503
#211	2402 WDEF-12 Chatanooga	3444N460		1230 WTVT-13 Tampa, FL	4544R488
	2410 WAPI-13 Birmingham	3445R320		1231 WBBH-20 Ft. Meyers	3245R464
	2435 WSB-2 Atlanta, GA	2345R406	12-7	2000 WJCL-22 Savannah	3455N564
	2445 WQXI-11 Atlanta, GA	2344R406		2030 KLTN-7 Tyler, TX	3445R353
	2455 KHOU-11 Houston, TX	2344R321		2031 WTVM-9 Columbus	3232R337
	0140 WBRC-6 Birmingham	4445R320		2100 KHTV-39 Houston, TX	5555R321
11-20	0540 WIS-10 Columbia, SC	3345N610		2101 WIIQ-41 Demopolis	3445R220
	0630 WTCG-17 Atlanta, GA	3445R406		2115 WBIQ-10 Birmingham	5555R320
	0631 WQXI-11 Atlanta, GA	3345R406		2130 KTRK-13 Houston, TX	5555R321
	0640 WCOV-20 Montgomery	2235R289		2131 KHOU-11 Houston, TX	5555R321
	0642 WTVM-9 Columbus, GA	3233R337		2200 KTHV-11 Little Rock	3342R350
	0700 WDHN-18 Dothan, AL	3345R305		2215 KATV-7 Little Rock	3343R350
	0730 WYEA-38 Columbus, GA	3335R337		2230 WBMG-42 Birmingham	4555R320
11-24	1202 KTYS-12 Sweetwater	3444R641		2232 WQXI-11 Atlanta, GA	3243R406
	1245 KTVT-11 Ft. Worth	3445R485		2245 WTCG-17 Atlanta, GA	3455R406
	2338 KVUE-24 Austin, TX	3335R460		2300 WHNT-19 Huntsville	3455R375
	2340 KSLA-12 Shreveport	3344R289		2330 KBMT-12 Beaumont, TX	5555R244
	2408 KZTV-10 Corpus Christi	R485	12-8	1725 WDHN-18 Dothan, AL	4555R305
11-25	1000 WYEA-38 Columbus, GA	4455R337		1730 WHAE-46 Atlanta, GA	4555R406
	1001 WTVM-9 Columbus, GA	3353R337		1800 WMSL-48 Decatur, AL	4555R375
	1002 WQXI-11 Atlanta, GA	3344R406	#216	1801 WTCI-45 Chatanooga	3455N460
	1530 WHNT-19 Huntsville	5555R375		1805 WAAY-31 Huntsville	5555R375
#213	1600 WBIQ-10 Birmingham	4443N320		1812 WBMG-42 Birmingham	5555R320
	1601 WCIQ-7 Mt. Chetta	4443R337		1815 WIIQ-41 Demopolis	5555R220
	1630 WAAY-31 Huntsville	3445R375		1816 WHNT-19 Huntsville	5555R375
	1635 KTHV-11 Little Rock	3343R350		1845 WDMA-40 Anniston, AL	3445R337
	1645 WMSL-48 Decatur, AL	3335R375		1850 WHIQ-25 Huntsville	4453R375
	1650 WBMG-42 Birmingham	3335R320		1902 WTCG-17 Atlanta, GA	4555R406
	1651 WIIQ-41 Demopolis	3445R220		1905 WABW-14 Pelham, GA	3345R395
	1700 WFIQ-36 Florence, AL	2335R360	#217	1930 WCES-20 Wrens, GA	3445N516
	1800 KATV-7 Little Rock	3342R350		1931 WJCL-22 Savannah, GA	3445R564
	1830 KHOU-11 Houston, TX	4555R321		1955 WCLP-18 Chatsworth	4352R473
	1835 KTRK-13 Houston, TX	4353R321		2100 WETV-30 Atlanta, GA	4555R406


25
CCJ
Leslie J. Prus
1615 Pierre Street
Manhattan, Kansas 66502

deadline: 12th of month

FEBRUARY 1972

A very large turnout this month, with more than enough mysteries for any armchair detective. Please note that the time of reception has been listed, in most cases, in the timezone of the probable target area (PTA). This ought to make it still easier to identify the station from the reader's point of view. However, to avoid possible confusion, reporters are requested to use only one timezone (their own) in CCI reports. The reports that follow contain 1971 unIDs only.

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

- Sat Jun 5 Es Ch. 2 1820 cdt - closeup of man giving talk. Weak but steady, horiz and vert not within U.S. specs. No clues as to location but suspect small Canadian station. Offset 3 kHz with WCBS (20
- " " " " Ch. 3 1820 cdt - same standards as above station PTA: Ont., PQ, NB, NS, Nfld for both
- Fri Oct 1 Ch. 6 Tr 0204 cdt - late signoff, synched carrier noted as went off. No program data... PTA: Michigan, Ohio, Ontario area
- " " " Ch. 9 " 0440 cdt - bar pattern at right: missed its s/on 0600 offset zero, so suspect CFTO, WAOW, WCPO, and WWTV.  PTA: MI, ONT, OH, WI.
- " " " Ch. 13 " 0550 cdt - 3/4 CB, offset plus. Suspect WZZM tho WEAU also possible. Still on at 0626 when shot down by local PTA: Michigan, Ontario, Ohio, WI.

(In answer to question: "Is WCIA-3 on by 0600 cst," Yes, I have seen it running an RCA pattern at 0540 last December, and between 0530 and 0550 last summer. Tnx for UHF offset data, forwarded to headquarters, and for helping identify some unIDs in December CCI)

Jim Pizzi, 300 Park, Orcutt, California 9454

- Fri Aug 13 Ch. 4 Es 1600 mdt - same program seen as on KOOK-2 so suspect KXLF-4 Butte, MT. (doubt there is enough info for a positive ID; ownership and style of ID slides is the same, but programming may not be identical. KXLF probable, tho. ljp
- Sat Oct 23 Ch. 2 Es 2050 mdt - "Barbara McNair Show," Ad mentioned Westminster, Canada? (Could not find that city in W. Canada but there is one near Denver. KWGN-2 usually has "Something Special" in the 2000 to 2100 time slot.) PTA: Western US, CAN.

Jim Pizzi, continued from page 1.

Sat Oct 23	Ch. 4	Es 2110	mdt	cowboy movie. PTA: West Central US
" " "	Ch. 5	" 2115	mdt	variety show. PTA: West Central US
" " "	Ch. 4	" 2300	cdt	Ad for Mathis Bros. Furniture in movie: (DEFINITELY WKY-4 Okla. City.)
" " "	Ch. 4	" 220L	mdt	NBC, "Eyewitness News," (KOA-4 Denver fits the description - are there any others in W. Central US that also do? KOB-4?, KGNC-4? WDAF does NOT.

Jim Hayes, 9 Henry Street, Wilkes-Barre, Pennsylvania 18702

Sun May 23	Ch. 4	Es 1615	cdt	PSA: "Save A Watt" sign. PTA: Canada
Wed May 26	Ch. 3	Es 1610	cdt	sewing lessons (KDLO-3 carried "Lucille Rivers Sewing" at this time so that is probably what you saw. Not KARD, KLNE, KMTV, or KTVO! ljp)
Mon May 31	Ch. 2	Es 1140	cdt	"David Frost" (I think KTEW-2 did carry Frost late in the mornings. Oklahoma DXers, please check. Tnx.)
Fri Jun 11	Ch. 2	Es 1420	cdt	Resolution Chart, PTA: W. Gulf Sts (probably an etv or ind prior to s/n)
Mon Jun 21	Ch. 2	Es 0900	cdt	"Sesame St." PTA: Tennessee
Thu Jul 8	Ch. 2	Es 2200	cdt	etv s/off with IHTP, fighting with WBRZ-2. PTA: West Gulf States.
Wed Aug 11	Ch. 2	MS 0643	cdt	Slide: "Around the World" with pix of world. PTA: Neb, Dakotas, West US
Sun Aug 15	Ch. 4	Es 0015	edt	delayed "Hawaii 5-0" PTA: Canada?
" " "	Ch. 5	Es 2350	cdt	interview w/ David Jansen PTA: Gulf
Fri Dec 10	Ch. 2	Es 1645	edt	"Munsters" PTA: Florida
" " "	Ch. 5	" 1730	edt	"Ben Casey" PTA: Florida


Dave Brown, Route 1, Box 514, Farmville, Virginia 23901

Tue Dec 14	Es Ch. 2	1615	CST	Xmas Carols sung by female college choir. PTA: Ia, Neb, Kans, Mo.
" " "	" " 5	1720	CST	Local News: man behind desk with city skyline background. McCallister Okla. mentioned. Is this KOCO-5?
Sun Dec 19	" Ch. 5	2335	EST	WW2 documentary in French using combat footage. Ad for store with title: "Madame est Servie," spot w/ photo of tractor & driver with the initials L.U.C.C. shown, spot with card: "Au secouer mon amour" CHAU-5?
Mon Dec 20	Es Ch. 6	0040	EST	Movie in French CJPM?

(Dave: Jerry Pulice IDed your July 5 Ch. 5 wedge pattern as WHDH-5, and said that your unid-6 was probably WTEV-6, since they have a late sign-off. Congratulations and best of luck with your new Sign-on/Sign-off column beginning in the March VUD. ljp.)

There seem to be several varieties of 3/4 color bars, the differences that can be identified on a black and white set include the number of vertical bars, the position and the size of the white square at bottom. Some white squares are the width of one color bar, some two etc. This info may be used to ID a logging once station habits are determined.

Richard Saeta, 6234 Leona, Apt. 203, Van Nuys, Calif. 91401

- Thu May 20 Es ch. 2 2002 MDT - "Dean Martin Summer Show"
PTA: Central U.S. (Not KWGN)
- Fri May 21 Es ch. 2 2002 MDT - "Dean Martin Summer Show" delayed
PTA: Central U.S. KTWO-2 ?
KMID-2 ? KUTV-2 ?
- Tue Dec 14 Es? ch 3 1700 PST - ID slide at right w/
deep fades, no sound
Ads in Spanish. Note
the style of the "3"
Mexican station near
U.S. border? 
- Wed Dec 29 Es? ch 3 1605 PST - "One Life to Live," ABC soap
delayed broadcast: normally seen
at 1230 in (PST!) in central, mt.
zones, and 1530 PST on KEYT-3.
Suspect KID-B, KTVS-3 PTA: West US

Glenn Hauser, PSC Box 42309, Kelly AFB, Texas 78241

- Tue Jul 6 Es ch 2 0905 EDT - "Steve Allen/kidshow, offset 2-
Suspect WESH or WFMY PTA: SE US
- Wed Jul 14 " ch 2 1800 CDT - "ABC News" PTA: Central U.S
Suspect KTVI, (not K TV)
- Fri Jul 30 " ch 3 1735 CDT - "The Lucy Show" PTA: Midwest or
Central states. (Not KARD, KMTV, KDLO
WREC, or KTVO from my TVGs 1jp)
- " " " " ch 3 1747 MDT - "CBS News" delayed offset 3 plus/mi
nus - PTA: Central, Western states
(Not WREC, or KDLO)
- " " " " ch 2 2029 CDT - "Edwards Grand Opening Sale" Could
be KCTV, KDIX, KTVI, KTWO central US
- Mon Aug 2 Es ch 3 1708 CDT - "Truth or Consequences"
" " " " " 3 1720 CDT - "Lets Make A Deal"
" " " " " 3 1720 CDT - lcl nx "Update" with stocks, IA fish
PTA: central U.S., offset pattern
10 kHz. between first and second of
the above three loggings. (This one
is almost a jigsaw puzzle. KTVO carries "Deal," so number 3
with Iowa fishing must be KGLO. The "Consequences" station has
to have zero offset, so check WSIL, WISC, KTVS, KDAL please.)
- Tue Aug 10 Es ch 2 2050 EDT - "Courtship Eddies Father" NBC delay
PTA: Ohio, Great Lakes area.
- Wed Aug 11 Es ch 2 2029 CDT - local movie w/ homemade slide shown
"Wednesday/Night/Movie" Movie was
"Anything Goes", logo was of circle
2 with bahner in front. Ads for Wick
and for Denmark Farm Equipment in
Langes (?) Corners. PTA: Midwest
(Not KCKT, KNOP, WMT, or KCTV)
- Sun Sep 5 MS ch 3 1640 CDT - "World Press Review" KLNE? (YES!)
- Wed Sep 29 Es ch 2 1703 MDT - Begin movie "Quiet Man" Offset 20
PTA: Western US (not KWGN-2)
- Tue Oct 26 Tr ch 29 0018 CDT - old movie - musical. Suspect WDXR
PTA: Mo, Ark, TX, KY etc. (Very prob.
since hon-etc 29s in MI, PA unlikely)

Glenn Hauser's unids, cont.

Tue Oct 26 Tr ch 9 0120 CDT - end devotional. SSB of lesser known stanzas. (Definitely KMBC-9. They usually s/off at 0020 approx., but started late movie an hour later on the 26th. StarSpfldBnmr matches.ljp)

Sat Nov 13 Tr ch 11 0648 EST - IHTP,RETMA patterns. offset plus. PTA: SE US, Suspect WINK

Thu Dec 9 MS ch 9 0647 CST - full CB PTA: midwest (not KMBC)

Sun Dec 12 MS 9 0636 CST - 3/4 CB " "

" " " " 9 0647 CST - TP: small circles at corners with dark center dots. midwest

Mon " 13 MS 9 0631 CST - 3/4 CB "

" " " " 9 0635 CST - 3/4 CB "

" " " Es ch 2 1602 PST - RETMA TP, zero offset, music PTA:CA or Mexico. Same PTA for below:

" " " Es ch 2 1623 PST - XH-- call slide. Suspect XHFA

Tue Dec 14 MS ch 9 0612 CST - IHTP (possible KMBC)

9 0615 CST - white block 9 left of center

9 0622, 28, 35, 45 CST - 3/4 Color bars

9 0649 CST - CB with several lines of print keyed in at lower left and right.

Wed Dec 15 MS ch 9 0554, 0621, 0635 CST - 3/4 Color bars PTA for all ch 9 MS loggings above is northeast US and the midwest.

Thu Dec 23 Tr ch 9 0007 CST - basketball after KWTW-9 signoff KMBC-9?? (Yes, two points for you!)

Fri Dec 24 Tr ch 15 2129 CST - Opera. interference from KLNI. Could it be KAMU? PTA: central US

Sun Dec 26 Tr ch 48 0645 CST - Open carrier, then country music - prelude to WMFL? (very probably, but it needs some checking out, y'all.)

" " " " ch 40 0724 CST - gospel music WAIM or WHMA? (This one checks out in TVG as WHMA definitely)

Mon Dec 27 Tr ch 6 0525 CST - cooking prgrm, followed by "Lewis Family" at 0528, letters read from Memphis, Newbern, Marvino, Tennessee

" " " " ch 11 0522 CST - Agricultural program WTOK?? PTA: TN and surrounding area.

(Glenn: Your FM unIDs will be in the March CCI. ljp)

Les Prus, 1615 Pierre, Manhattan, Kansas 66502

Here are two of my "most wanted" Seen often by MS, "KIR-91" is on ch 3 from 0645-0700 EDT and EST. The slide at far right seen at 0557-59 CST on ch 3 MS.



Stanley A, Prus, 1615 Pierre, Manhattan, Kansas 66502

Tue Dec 14 Es ch 2 1735 EST - "Dragnet"

" " " " " " 1745 EST - "Sesame Street" suspect WGBH Boston

" " " " " " " " - "The Big Valley" PTA: Northeast US

Good DX, *les*

CHARLES A. DOBBINS
12851 LONGACRE
DETROIT, MI. 48227

STATIONS OPERATING (as of Dec. 1, 1971)

VHF COM	503
VHF ETV	85
UHF COM	176
UHF ETV	110
GRAND TOTAL	874

FCC NEWS-TV

NEW TV STATIONS

AUTHORIZED STARTS

WXLTV-TV Sarasota, FL. ch. 40 ERP 219 kw. vis., 40.7 kw. aur. AAT 580 ft.
*WNPE-TV Watertown, NY. ch. 16 ERP 525 kw. vis., 105 kw. aur. AAT 1210 ft.

APPLICATIONS FOR NEW STATIONS

Alpena, MI. Thunder Bay Bdcstg Corp. seeks ch. 11 ERP 316 kw. vis., 32.8 kw. aur. AAT 483 ft.
Charlottesville, VA. Virginia Bdcstg Corp. seeks ch. 29 ERP 438 kw. vis., 87.6 kw. aur. AAT

FINAL ACTION

1196 ft.
WSBK-TV Boston, MA. gtd mod. of permit to make ch es in xmtr equipment.
Farmington, NM. Woodland Bdcstg Co. gtd ch. 12 ERP 31.6 kw. vis., 6.31 kw. aur. AAT 430 ft.
Norwalk, CA. Fidelity Television Inc. gtd permission to amend application for CP for new station in Norwalk, & report election of 4 new directors and treasurer.

RULEMAKING PETITION

Bethel, Alaska Bethel Bdcstrs Inc. req allocation of ch. 2 to Bethel for ETV.
Parsons, KN. Parsons Educators assigned ch. 39 for ETV.

INITIAL DECISION

Pocatello, ID. Eastern Idaho Television Corp. gtd new TV for ch. 6 at Pocatello.

CALL LETTER APPLICATIONS

East. Lansing, MI. Michigan State Univ. req *WKAR-TV.
Montclair, NJ. New Jersey Public Bdcstg Authority req *WNJM-TV.

CALL LETTER ACTIONS

Camden, NJ. New Jersey Public Bdcstg. Authority gtd *WNJS-TV.
Portsmouth, O. Ohio Educational Network Commission gtd *WOEB-TV.

EXISTING TV STATIONS

APPLICATIONS

WMAV-TV Senatobia, Miss. seeks CP chge loc. to Oxford, Miss., chge freq from ch. 22 to 18.
WYTV-TV Youngstown, O. seeks CP chge ERP to 1000 kw. vis., 199 kw. aur.

FINAL ACTIONS

WERZ-TV Baton Rouge, LA. gtd CP to install former main xmtr as aux. xmtr at xmtr loc.
WERT-TV Baton Rouge, LA. gtd mod. of permit to chge name of permittee to Rush Bdcstg Corp.
WRIP-TV Chattanooga, TN. gtd mod. of CP to extend completion date to April 5, 1972.
WKEF-TV Dayton, O. gtd chge of permit to ERP 759 kw. vis., 75.9 kw. aur., AAT 1170 ft.
KEKO-TV Elko, NV. chge xmtr loc. to summit of Grindstone MT. 12 mi. SW of Elko, AAT 1880 ft.
KRTV-TV Great Falls, MT. chge ERP to 87.1 kw. vis., 17.4 kw. aur., AAT to 590 ft.
WUBC-TV Greensboro, NC. Ch. 48 gtd req to conduct equipment tests on xmitting facilities.
*WMAO-TV Greenwood, Miss. gtd mod. of CP to chge xmtr loc. to 3.2 mi. ENE of Inverness, Miss.
KBSA-TV Guasti, CA. gtd mod. of CP to extend completion date to April 5, 1972.
WARD-TV Johnstown, PA. gtd lic. covering new Comm. TV station.
WCCO-TV Minneapolis, MN. gtd mod. of CP to extend completion date to May 29, 1972.
KPAX-TV Missoula, MT. gtd lic. covering new station.
*KTSD-TV Pierre, SD. gtd lic. covering new noncomm. educ. TV station.
KMUV-TV Sacramento, CA. gtd mod. of CP to extend completion date to April 8, 1972.
KCRA-TV Sacramento, CA. gtd CP to chge ERP to 14.4 kw. vis., 2.88 kw. aur., also chge ant. sys.
KPIX-TV San Francisco, CA. gtd mod. of CP to chge completion date to April 5, 1972.
*KTEH-TV San Jose, CA. gtd CP to chge ERP to 234 kw. vis., 46.8 kw. aur., chge type xmtr.
WMLP-TV Springfield, MA. gtd lic. for CP for new 1000 w. TV bdcst facility to serve Springfie
WDSM-TV Superior, WI. gtd mod. of lic. covering DECREASE in aural power to ERP of 10 kw.
WFSU-TV Tallahassee, FL. gtd CP to chge ERP to 316 kw. vis., 31.6 kw. aur. & chge type xmte.
WRC-TV Washington, DC. gtd lic. to chge type xmtr, type ant. and AAT to 770 ft.
*WUNL-TV Winston Salem, NC. gtd CP to replace expired permit for new ETV station.

CALL LETTER APPLICATIONS

WUSN-TV Charleston, SC. req WCBD-TV.

WFGA-TV Jacksonville, FL. req WTLV(TV).

KTTS-TV Springfield, MO. req KOLR(TV).

CALL LETTER ACTION

WFOB(TV) Baltimore, MD. gtd WUHF-TV.

KHBV(TV) Henderson, NV. gtd KVVU(TV).

WLBC-TV Muncie, IN. gtd WIPB-TV.

KRAQ(TV) Sacramento, CA. gtd KMOV-TV.

MISCELLANEOUS NEWS FROM FAR AND WIDE (VIA READERS).

1. San Francisco has been amended in the TV table to allow ch. 32 to replace ch. 60 for ETV.
2. Metromedia Inc. of New York has reached a final agreement with U.S. Communications Corp. for the purchase of WXIX-TV in Cincinnati, O. The transfer of the property (ch. 19) took place in October, 1971.
3. WICZ-TV Binghamton, NY. began bdcstg from its new xmtr and ant. last Oct. The ch. 40 facility has an ERP of 565 kw. and the 870 ft. tower. The station is an NBC affiliate.
4. KCSD-19 Kansas City, MO. is now KCPT-19. Also, KTTS-10 Springfield, MO. is now KOLR-10.
5. KUAC-TV College, Alaska s/on 12-22-71 and will operate as an ETV station on ch. 9, the station will serve the Fairbanks area thru the Univ. of Alaska.
6. On 12-31-71 KAID-4 in Boise, ID. began its operation of the ETV station thru Boise St. Coll.
7. KCBJ-TV ch. 17 in Jefferson City, MO. began operation in early December. They will run 100% color (mostly ABC). The tower is located near Jamestown and will transmit with 750 kw.
8. The following corrections were sent to me by Glenn Hauser (thx for the sharp eyeballing)
 - 3 KDZA Alamosa, CO. station does not exist.
 - 5 KTXK Lubbock, TX. call should be KTXT.
 - 7 KTBC Austin, TX. net is now C only.
 - 13 KTVT Laredo, Tx. should be ETV and is not on as yet (12-6-71).
 - 17 KCBJ Columbus, MO. location should be Columbia.
 - 24 KWUE Austin, TX. net is A not ETV.
 - 33 KMEC Dallas, TX. is due back on in Jan. 72, per Bob Cooper.
 - 34 KMXN Lubbock, TX. omitted, is an ind., Spanish, Glenn has seen it also.
 - 46 WHAE Atlanta, GA. is now on the air.
 - 50 WNOE New York, NY. call is wrong, WNOE is in New Orleans, LA. (any help from you readers in the New York area?).

Mississippi ETV net info.

- 19 Biloxi to be dedicated 1-14-72 and on the air afterwards.
 - 14 Meridian " " "
 - 17 Bude " " "
 - 18 Oxford will be on the air in the Spring of '73, probably April.
 - 23 Greenwood " " "
 - 12 Booneville will be on the air about September of 1973.
9. In the Nov. column I gave Corpus Christi, TX. call as WEKT, it should have been KEKT.
 10. WRBT-33 in Baton Rouge, LA. went on the air 10-16-71, they are rated at 1,014 kw. vis. and 200 kw. aur., AAT 1049 ft. The xmtr is loc. 6 mi. S. of Baton Rouge. ABC network program schedule s/on at 1030 hrs. with s/off at 2400 hrs.
 11. Canadian TV station info:
 - CKNC-TV-9 Sudbury, Ont. s/on about 10-1-71, offset is + and CBC net.
 - CHNB-TV-4 North Bay, Ont. s/on about 10-1-71, offset is - and CBC net.
 - CKSO-TV-5 Sudbury, Ont. to CTV.
 - CFCH-TV-10 North Bay, Ont. to CTV.
 - CBKST-TV-11 Saskatoon, Sask. CBC net to CTV
 - CFQC-TV-8 Saskatoon, Sask. also joins CTV.
 - CRTC approved switch of CBLT-6 (Toronto?) to ch. 5. with 77 kw. vis.
 - CRTC denied req to open ch. 13 for Toronto.
 - CRTC approved ch. 6, offset - in Belleville-Kingston, Ont. on a delayed basis, ERP 55.5 kw. with AAT 671 ft. omnidirectional, it is owned by CJOH-TV in Ottawa, Ont. if final approval is given.
 - No decisions yet on the ch. 25 and 79 applications for Toronto, Ont.

CONTRIBUTORS:

Gary Olson, Dave Pomeroy, Glenn Hauser
Joel Rosenberg, and Ron LeBlanc.

Happy New Year,

73's

Chuck

31
Editor: Bill Matthews
P.O. Box 15306
Columbus, Ohio 43215
Phone: 614-236-0026

QSL CORNER

Several members have asked that we include addresses with information about the verification policies of stations - because of space limitations, this isn't possible, however, I can supply addresses provided a return postcard is enclosed (members outside the USA will have their requests answered free of charge - or if you REALLY get a good logging, call me station to station between 6:00 P.M. - 10:00 P.M. EST)

The "postie" has been busy this month and has brought the following to our fellow DXers:

ARKANSAS: KARK, Little Rock, channel 4, sent a brown QSL card in 12 days. Verification signer was Dean Howard, Chief Engineer. (David Egan)

FLORIDA: WESH, Daytona Beach, channel 2, sent a card signed by W. Strouse. Gave power and transmitter information. (Joel Rosenberg)

INDIANA: WTTV, Indianapolis, channel 4, sent a card in 7 days, giving audio/video power, location, and antenna height. (Harry Hein)

INDIANA: WTHI, Terre Haute, channel 10, sent a letter giving audio and video power, antenna height, and location. Total time: 10 days (Hein)

IOWA: WOC, Davenport, channel 6, sent a card and letter in 7 days. Information supplied included power, antenna height and location, and a program log. (Hein)

MAINE: WLBZ, Bangor, channel 2, sent a letter in 14 days after a follow up. Reported in Dec 70 - - no reply - so when a follow up was sent, explained DXing and a self prepared verification letter was sent. After suggesting that they use this letter format in the future, received a reply on the station letterhead. Verification contains veria statement, transmitter location, ERP, and antenna height. Signer is Bruce A. Clark, Transmitter Supervisor. (Dave Brown) Very good idea, Dave!

MINNESOTA: KTCA, Minneapolis-St. Paul, verified by letter in 13 days. Told of where other reports had been received from, type of skip reception (Es), and enclosed a program schedule. Verification signer was Wayne A. Mayer, Chief Engineer. (Paul Luchter)

MISSOURI: WDAF, Kansas City, channel 4, sent a color postcard of the station with a friendly note on the reverse. Total time: 13 days. Signer was Carol Pellow (Egan) Postcard giving power and antenna information. (Rosenberg)

MISSOURI: KTVI, St. Louis, channel 2, sent a letter signed by R. Trompeter, Chief Engineer. (Rosenberg)

NEW YORK: WAST, Albany, channel 13, sent a letter in 7 days signed by R. Burns Taylor, Manager (Egan)

NEW YORK: WTEN, Albany, channel 10, sent a letter signed by Chief Engineer Leonard L. Lavendol in 8 days. (Egan) One of the few stations with its call the same as the channel??? - ed

NEW YORK: WGR, Buffalo, channel 2, replied by QSL card in 7 days, giving transmitter location, antenna height, and ERP. Card differs from that used for WGR AM. (Peter Sawatzky) same--7 days (Egan)

NEW YORK: WABC, New York City, channel 7, verified in 2½ months with a card giving complete verification statement, transmitter location, ERP, and antenna height. Card bore printed name of James R. Baker, Chief Engineer. (Brown)

NORTH CAROLINA: WUND, Columbia, channel 2, satellite of WUNC-4, sent a card with a letterhead pasted onto the card. Letterhead was: University of North Carolina ETV, TV Engineering Office, Chapel Hill, North Carolina 27514. (Rosenberg) Took 12 days for mine. (Egan) You two have a good "DXing" system worked out!

SUPPORT TV QSL CORNER NOW!

OHIO: WJW, Cleveland, channel 8, replied in 12 days with a large card. No verie signer (Egan) Same, but only 5 days Ed.

OHIO: WEWS, Cleveland, channel 5, replied by letter in 4 days, signed by James E. Bloyd, Chief Engineer. Channel 5 is a susidiary of Scripps-Howard. (Sawatzky)

OHIO: WLWC, Columbus, channel 4, sends an Arvo card in 3 weeks. (Egan) This corrects my statement in December 1971 VUD!

OHIO: WLIO, Lima, channel 35. Special congratulations go to Harry Hein for receiving the first known verification from this "new" call station. Formerly was WIMA. Harry's reports states, "...sends a card in 14 days with antenna ASL, and audio and video ERPs.....I have a picture of my reception with the date on the screen with call, September 7, 1971, only 6 days after their call change. They still use their old card (WIMA) and enclose a notice stating the call change and verification. Signed by John D. Stewart, Station Manager." (Hein) EXCELLENT!

PENNSYLVANIA: KDKA, Pittsburgh.....my thanks to Ray Bell and Rick Stein for confirming my thoughts in a past VUD. The former call of KDKA-TV was WDTV, owned by the Dumont Broadcasting Company.

SOUTH DAKOTA: KOTA, Rapid City, channel 3, sent a form letter listing power and frequency of all stations owned by the Duhamel Broadcasting organization. The text of the verie is rather confusing as it states the following: "This is in response to your reception report regarding _____. Our program log agrees () does not agree () with the information which you supplied." In my case the does not agree was crossed out and an "X" was placed in the box after it. (Rosenberg) Joel, the same thing happened to me with this station. I suspect that whoever is filling out the form wants to cross out anything which might be considered as a negative statement, hence, it is lined out and crossed out. To the person on the receiving end, it all seems a bit confusing. However, do other members have similar experiences with this station? Personally, I count mine as a verie, because the "does agree" remains in the clear and it is obvious that the pen which crossed out "does not agree" is the same one that put an "X" in the box. Comments?

WISCONSIN: WLUK, Green Bay, channel 11, sent a card in 6 days with antenna height and location as well as power. (Hein)

WISCONSIN: WMTV, Madison, channel 15, sent a card in 8 days with transmitter power. (Hein)

WISCONSIN: WTMJ, Milwaukee, channel 4, sent a generalized card in 4 days/ (Hein)

WISCONSIN: KFIZ, Fond Du Lac, channel 34, sent a letter in 28 days with no special information (Hein) (out of order, sorry)

PENNSYLVANIA: WLVT, Bethlehem, channel 39, replied with a verification statement written on the bottom of my report. Definitely worded, though a somewhat visually unattractive QSL for a visual medium. (C. M. Stanbury II) Welccme, Stan!

CANADIAN

QSLs

ONTARIO: CBOT, Ottawa, channel 4, sent a letter signed by Mrs. G. Ethier, Audience Services. Included CBC card with station information. (Rosenberg)

QUEBEC: CBVT, Quebec City, channel 11 sent an English letter from the Director of TV Services, Roger Morin. Time: 12 days. (Egan)

*

*

In my discussion with the CE of WKEF-TV22, I learned that many TV DXers want to have virtually their own report repeated in the verie letter. This takes up much time for station personnel. Consider this when asking for a confirmation. All that is really needed is the date time and frequency (and verie text) - power, antenna info and the rest are "nice to have" but not necessary. More later....

Thanks to the following: Dave Egan, Harry Hein, Paul Luchter, C.M. Stanbury II, Rick Stein, Ray Bell, Joel Rosenberg, Dave Bown, and Peter Sawatzky. See you next month?

Of monumental importance to FM broadcasting in the United States is the fact that the FCC has just authorized the first FM translator stations. Other countries, such as Norway and Sweden, have long had FM translators, and, of course, the U. S. has had TV translators for years. Finally, the FCC has seen the light and allowed the go-ahead on FM translator development in this country on a massive scale. It is my prediction that ultimately there will be 30,000 FM translator stations on the air in the United States, or an average of ten per station. This development will mean more in covering rural America than will super-power AM clear-channel broadcasting, or even satellite to home broadcasting, and I hope personally to be the licensee of several FM translator stations. For the present, however, there are now three FM translators soon to go on the air:

- Brigham City, UT K288AA 105.5 10 w, rebroadcasting KSL-FM 100.3 Salt Lake City
- Viroqua, WI W292AA 106.3 1 w, rebroadcasting WRVB 102.5 Madison -- gospel programming
- Evanston, WY K288AB 105.5 10 w, rebroadcasting KALL-FM 94.1 Salt Lake City, UT

A lot of at-deadline news -- that's why the crowding!

This column will keep you informed of all new FM translator stations and changes in existing translators, as well as news of conventional FM stations, such as the following:

NEW CONSTRUCTION PERMITS

- Mandaree ND *88.1 10 [Where in ND is it?]
- Napoleon OH 103.1 3000 h,v; 300'
- Hammond LA 101.7 3000 w, 88'
- Dayton TN 104.9 3000 w, 198'
- Ft. Smith AR 100.9 3000 w, 275' (h,v)
- Biddeford ME *91.7 10. Alfred NY *91.3 10
- ON THE AIR: Naples FL WALJ 93.5 1713, 293'
- Independence IA KOUR-FM 95.3 3000 h, v; 200'
- Delwein IA KOEL-FM 92.3 100,000 h,v; 370'
- New Orleans LA *WTUL 91.5 10 w (good signal, reports R. Wood in Baton Rouge)
- Carthage MO KRKG 104.9 3000, 160'
- Nashville TN *WRVU 91.1 10 w
- Springfield VT WCFR-FM 93.5 3000 h,v; 175'

CALL LETTERS

- Bellingham WA KISM 92.9 (was KVGM)
- Lodi CA KWIN 97.7 (was KCVR-FM or KXXK)
- Ojai CA KOVA 105.5 AND ON THE AIR!
- Santa Cruz CA KUSP *89.1
- Washington DC WHUR 96.3 (was WTOP-FM), will play soul music - Howard U.
- Miami FL WAIA 97.3 (WIOD-FM) - thanks Dick Clark!
- Waterbury CT WIOF 104.1 (WWCO-FM)
- Bloomington IL WESN *88.1; El Dorado KS CADZ KY WKDZ-FM 106.3, KOYY-FM 99.3
- Glasgow KY WOVO 105.5; St. Paul MN KE-Hartford KY WLLS-FM 106.3; EY-FM 102.1
- Richmond KY WCBR-FM 101.7, (was KEYE).
- Thibodaux LA -- HELP!!! Broadcasting says it's KVGM, Television Digest says KVFG, and Mike Dorner, Jr., says KNSU -- *91.5 - Nicholls State U.
- Farmington ME WUMF *91.9 Sewanee TN WUTS
- North Andover MA WMMC *90.5 *88.1.
- Ishpeming MI WJPD-FM 92.3

- Tijuana, MEXICO. XHERS 100.1\$ (replaces XHOK & stronger than XHOK was, 120kw+)
- Parkville MO KGSP *90.3 Studios with Blair NE KDCV *91.1 - Dana Col. 90.3, Omaha NE KOOO-FM 104.5
- Buffalo NY W8CE 94.5 (WEPR-FM) reports Gil Morgan
- Garden City NY WBAU *90.3 Adalphi U. no calls yet assigned to sharetime on *90.3 in Garden City
- Streetsboro OH WSTB *91.5
- McMinnville OR KSLC *90.3
- Milwaukie OR KQIV 106.7
- Sioux Falls SD KAUR *89.1 - Augustana College
- Lebanon TN WLCH *88.7
- Edinburg TX KBFM 104.1
- Seattle WA KCMU *90.5
- Weston WY WHAW-FM 102.3
- State College PA WXLN 103.1 (WMAJ-FM)

Station Changes

- Concord CA KVHS *91.1 to 2600, -135'
- Los Angeles CA KXTZ 104.3 to 78,000
- Manitou Springs CO KCMS-FM 102.7 to 50,000 h,v; 2000'
- Monroe CT *88.1 to 300 w, 280'
- Storrs CT WHUS *91.7 3200 h,v; 355'
- Decatur GA WAVO-FM 94.9 to 100,000 h,v; 890'
- Savannah GA WSGF 95.5 to 320' (100 kw)
- Chicago IL WDAI 94.7 to 6000 h,v; 1174'
- Grayson KY WGOH-FM 102.3 adds "v"
- Benton Harbor MI WHPB-FM 99.9 to 224' (reduces coverage)
- Fremont NE KHUB-FM 105.5 to 55'
- Riverhead NY WHPF-FM 103.9 to 2600 h, v; 320'

- Jupiter FL WRYZ-FM 96.7 permission to ID as Jupiter-Tequesta FL
- Schenectady NY WWHI-FM *89.1 to 13,500 h, v (calls, too)
- Cincinnati OH WSAI-FM 94.1 32000, 600'
- Charleston SC WPXI 95.1 to 120' (calls changed, too, from WTTA-FM)
- Menomonee Falls WI WZMF 98.3 to 3000 h, v; 280' (maybe this normally no-silent-period station will be off the air for a short while during installation of the new antenna)
- Whitewater WI WSUW *91.7 to 340 w, 185'
- Des Plaines IL WYEN 106.7 has "v"
- La Crosse WI WSP 95.9 to 235 h,v; 900'

CHANGING FREQUENCY:

- Elizabethtown KY WQXE from 106.3 to 100.1 (3000, 300')

Deletions

- Springville NY WSPE *88.1
- KUSC *91.5 Los Angeles, reported deleted last month, has been restored to life, the FCC and Dennis Smith report KUSC, in fact, plans to go stereo soon.
- Also deleted --
- Sacramento CA KJML 106.5
- Redding CA KCER 92.9. FCC reports WSAF 102.5 Sarasota FL is not deleted, even though it has been off the air for the last two years, according to Dick Clark.
- The new WTUL *91.5 New Orleans is on 7 am to 3 am, and Thibodaux LA *91.5 (with the mysterious call letters) is expected to begin operating very soon: Mike Dorner, Jr.
- More on XHERS (formerly XHOK 100.1) it's automated rock, all English, 24 hours.

Thanks to Dennis Moe and Shelby Remington for their fine words of encouragement! Dennis writes that in two years of FM DXing he's heard 228 FM stations from St. Ansgar IA. [St. Ansgar is just south of Austin MN.]

In other news -- the Corporation for Public Broadcasting has given a support grant to KUOP *91.3 Stockton CA to increase its schedule to 20 hours a day, 365 days a year. This is an increase from only four hours a day six days a week in 1968.

In Omaha, the FCC has dismissed a complaint by WOW-TV against continued operation of KIOS *91.5, charging interference. In 1968 the FCC granted a CP to the School District of Omaha specifying 91.5 instead of the originally requested frequency of 104.5 (a commercial channel, subsequently granted to KOOO-FM). The Commission stated that 91.5 was at the high end of the reserved portion of the FM band and believed the possibility of any serious channel 6 problem would be minimized.

KFCA *91.5 Phoenix AZ is soon to move to South Mountain with 100,000 watts (1640' above average terrain). Expects 80 mile coverage (very conservative estimate--BE) and will add stereo.

Dr. Richard E. Wood, Baton Rouge LA, recently traveled to Mexico City and Guatemala City. Here's his report on the FM stations of Mexico City:

Total active stations: 19. All stations run fulltime schedules; 6 a. m. CST sign on to Midnight or 1 a. m. signoff is average; three or four run all night. As my visit was at Christmas time, precise schedules are not given, as they might not be typical. Here they are:

FM STATIONS OF MEXICO CITY

88.1 XERCN-FM Latin Tropical late evening; Mexican folk early evening	95.3 XHSH MOR music	102.5 XHV Latin, also US standards
88.9 XHM easy listening - off midnight	96.9 XEW-FM Ugr, hard rock	103.1 (sure it's not 103.3 to maintain min. 800 kHz spacing from 102.5?) XERPM-FM rock, mostly US rock and roll.
89.7 XEBS-FM Latin vocal	98.5 XELA-FM classical	104.9 XHVIP. Contemp-US style (in Spanish).
90.5 XEDA-FM U.S. contemporary	99.3 XEN-FM easy-listening, incl. European musi	105.7 XHOF New station. MOR instrumental, owned by Departamento del Distrito Federal.
91.3 XHRSM MOR music	100.1 XHMN rock and roll	106.5 XHDFM Romantic Latin easy listening
92.1 XHFO easy listening	100.9 XEOY-FM ballad	
92.9 XEQ-FM Latin day, eve; semi-classical mornings.	101.7 XEX-FM MOR music	Not listed: 96.1 XEUN-FM Deleted?

FM IN GUATEMALA -- also by Richard E. Wood

Operating from the Camino Real Hotel near the airport, a total of 10 FM outlets was observed around Christmas Day, 1971. Visits to many of the stations involved provided information on the stations in question, and enabled us to distinguish between medium- or high-powered FM stations intended for the public, and low-powered transmitter links operating in the band. It is believed that there are several FM links, as there is a law in Guatemala City that no AM broadcast towers may operate from the downtown area, where the studios are located. Unlike Mexico City, where call letters are frequently given, no calls were noted, other than some for AM affiliates.

Frequency	Name of Station	Format	Notes
83.1	Fabuestereo \$	MOR	High-powered, separate programming from Radio Fabulosa. The major separate FM in town.
89.9	R. Fabulosa	MW, Latin.	(WRTH lists 88.1. May be transmitter link.) Waldo Bishop reported hearing this station on E's in Tallahassee FL 12-24-71 for 15 minutes with no ID -- BE.
90.5	R. Reloj de Guatemala.	MW, MOR instrumental.	Observed sign off 6:03 p. m. EST.
91.0	R. Istmania	MW.	This frequency announced at 10 p.m. s/off of MW, but unheard on FM.)
94.1?	R. Sonora	MW, Latin.	Probable transmitter link. Did not announce at 6:02 p. m. s/off.
94.9	R. Centroamericana.	Easy listening.	Announces as 89.5! Sign off observed 9:05 p. m.
96.7	R. Mundial.	High powered, at present testing and carrying audio of TV channel 11.	Intended for listening, but primarily as a link to provincial AM network to be inaugurated Jan. 3, 1972. Should carry mainly shows, international stars.
97.5?	La Voz del Hogar	MOR.	Weakly heard transmitter link.
98.9	R. Emperador	Latin light.	Perhaps link.
100.8	R. Cultural	MW, SW.	Religious, classical, English late evening. Runs to 2:30 a. m. most nights. Registered station, power 250 watts but claims ERP over 8000 watts. \$ planned soon. Has a 50 watt emergency standby.
107.1	La Voz de Guatemala	MW, SW.	MOR, patriotic, marimba later evening. Transmitter link, but loudly heard at hotel due to directionality.

A most interesting trip, and Richard reports visiting dozens of stations, photographing dozens, and being interviewed over several. Thanks for the excellent report! In other happenings, Richard reports WOOF 99.7 Dothan AL as no longer carrying the Holiday Inn show, and that WOSM 103.1 Ocean Springs MS, which puts out a poor signal at 143 miles, verified and reported that Richard's reception is their most distant to date.

In other exotic happenings, here's news of FM IN PANAMA from Dave Brown, Farmville VA:

On a shortwave broadcast on HCJB Quito, Ecuador, in the middle of June, the director of HOXO Panama City was being interviewed. In the course of the conversation he mentioned that the Panamanian government had issued HOXO a license to begin FM stereo broadcasting on 105.1. According to him, this is the first Panamanian FM (not so -- FBIS lists several, mostly low power -- BE), and the format would consist of continuous taped music, interspersed with religious messages in Spanish. Panama should be within single-hop E's of southernmost Florida and double-hop elsewhere, so this might be a worthwhile DX target, Brown reports.

FM ATLAS AND STATION DIRECTORY Reminder --

For a really up-to-date FM station list (geographically), including the U. S., Canada, Mexico, Bahamas and Bermuda, I rather immodestly think this list is great! The maps are all re-done and, frankly, Carol [my wife] and I are thrilled with the fine, professional job done by our printer. Whether you have the old ATLAS or not, you should have this for the latest FM developments. \$2.50 (or \$2.75 1st class mail) from your editor. address on reverse side.

KJAM-FM 103.1 Madison SD writes me, mentioning they'd like reports now that they have gone to 3 kw h, v; 300' from its new tower just south of town. Write John Goeman, general manager.

WUOT *91.9 Knoxville TN stereo (100 kw, 550') is now on 8 a. m. to 2 a. m. local time daily.

Finally, Ken Jennings reminds us that DXing Today on KUHF *88.7 Houston TX is on 6:30 to 7 p. m. CST Friday nights.

73 and Happy New Year from Carol, Kristine, and myself!

FMQSL

Dennis M. Moe
 Rt.2 Box 32
 St. Ansgar, Iowa 50472
 Deadline: 12th of month

Although the announcement of my appointment as editor was not announced until the January VUD, I have received a large quantity of information from Dr. Richard Wood and Glenn Hauser. I would like to thank them for their contributions and their help in getting started.

As you can see, this column follows the same format as the TV-QSL Corner. Following this format when sending in your reports will be much appreciated. It will make my job easier and more enjoyable. Please send in any reports you have. Don't be discouraged from sending in your reports if you have only a few things to contribute. Remember, the more people we have contributing, the more stations we will be able to cover. I think that this is the only way the column will be meaningful. Now to the reports.

- ALABAMA: WATM, Atmore, 106.1. Letter. Signed Tom C. Miniard, GM, CE. (RW)
- WAPI, Birmingham, 94.5. Letter. Donald D. Wear, VP, GM. (RW)
- WENN, Birmingham, 107.7. My report was most southerly. Enclosed much promotional material, club membership card. (RW)
- WCRT-FM, Birmingham, 96.5. Returned my report. W. A. Chapman, Co-owner. Veried by letter. (RW)
- WOOF, Dothan, 99.7. Letter signed by Richard Everhart, FM Program Director. (RW)
- WTVY-FM, Dothan, 95.5. Letter signed by Larry H. O'Williams, Operations Manager. (RW)
- WABF-FM, Fairhope, 92.1. Very detailed letter from Robert A. Bruner, CE. (RW)
- WFMI, Montgomery, 98.9. Letter signed by Jack Posey, Program Director. Enclosed calling card. (RW)
- WKLD, Oneonta, 97.7. Letter, CM, etc., from L. D. Bentley, Jr. (RW)
- WACT, Tuscaloosa, 105.5. Letter, CM for AM, rate card, etc., from Clyde W. Price, Mgr. (RW)
- ARKANSAS: KWEH-FM, Camden, 97.1. Letter, CM. Gayle R. Hill, SM. (RW)
- KAGH-FM, Crossett, 104.9. Two-page letter; very specific. Enclosed sked. Barry Medlin, Manager. (RW)
- KGUS-FM, Hot Springs, 97.5. C. J. Dickson, GM. (RW)

- KGMR-FM, Jacksonville, 100.3. Letter. Johnny Towell, Engineer. (RW)
- KARK-FM, Little Rock, 103.7. Returned report, signed Ted Snider, GM. Enclosed calling card. (RW)
- KFMV, Magnolia, 107.9. Letter signed Louise O'Dell. (RW)
- COLORADO: KWBI, Morrison, 91.1. Detailed letter from Gary D. Herr, Station Manager. Mine is 2nd. most distant report after Uniontown, Ohio. Enclosed verification card and schedule. (RW)
- FLORIDA: WRUF, Gainesville, 103.7. E. A. Slimak, CE (W4KZL). (RW)
- WKTZ-FM, Jacksonville, 96.1. Enclosed booklet. Ed Bell Oberle, VP, Jones College, and GM. (RW) Glenn sent along additional info. "Jones College Radio" sent confirmation note giving dates, in one week. Signed by Asst. C.E., Christopher J. Hall, former WFTDA member. Also enclosed personal letter giving full details on station, promotional booklet. Reception was 1020-mile tropo. (GH)
- WDIZ, Orlando, 100.3. Very specific. Enclosed CM, calling card, info sheet. Ken Cameron, CE. (RW)
- WBOP-FM, Pensacola, 101.5. Zane D. Roder, GM. (RW)
- WCOA-FM, Pensacola, 100.7. Letter signed by Richard Van Salter, Chief Technician. (RW)
- WPCS, Pensacola, 89.3. Xmtr at Robertsdale, Ala. Letter from Bob Bowman, CE. Enclosed sked, tracts. (RW) More info from Glenn. Sent thank you letter in 1 week advising that most distant report was from West Hartford, CT, and that xmtr for this Pensacola station is at Robertsdale, Ala. Operated by Pensacola Christian School; signer Bob Bowman, C.E. (GH)
- WPEX-FM, Pensacola, 94.1. Frederic T. C. Brewer, Owner signed letter. (RW)
- WLCY-FM, St. Petersburg, 94.9. Letter signed Steve Cheney, Operations Director. Very specific verification and rate card enclosed. (RW)
- WGLF, Tallahassee, 104.1. Bob Southern, CE. (RW)
- WFLA-FM, Tampa, 93.3. Card. (RW)
- GEORGIA: WABE, Atlanta, 90.1. Van Joyner, Prog. Director. Mine is most distant report. Returned report. (RW)
- WPL0, Atlanta, 103.3. Jack E. Merkison, Engineering Department. Verified by letter. (RW)

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

FM DX

Deadline: 10th of month

Richard F. Wood Dept of Foreign Languages LSU Baton Rouge LA 70803

All times CLT. As I write this (12/8) I am in the middle of an outstanding tropo opening, particularly ducting from the Dallas area and GA/TN/AL, north FL. This comes after a week of solid rain and zero DX. RWW, to your question EL means easy listening (wall to wall) music. You are right, my WBEN logging was tropo, not Es; this was confirmed by WGH and others. DX: 11/8 KLEF 94.5 Houston 0015 s/off, no SSB (254); KWEH 97.1 Camden AR 0730 to 0800 EL/MoR (231); KRVS 88.3 Lafayette LA 1730 to 1800 campus annct, RR, lovely signal for 10w at (50). 11/9 WJIZ 96.3 Albany GA 0015 to 0130 soul (407); WBOP 101.5 in Pensacola FL 0015 to 0030 soul, s/off no SSB (235); WGLF 104.1 Tallahassee FL 0040 to 0100 seagull sounds, Hits (410); KTBC 93.7 Austin TX 1916 to 1930 pop standards (450); KNCT 91.3 Killeen TX 1800 to 1830 oldies, "Test Yourself" quiz 1815 (415); WBAP 96.3 Ft. Worth 2030 to 2105 EL autom. (395); 11/10 WCRT 96.5 Birmingham 1805 to 1830 EL (330); WJOF 104.3 Athens AL EL (440); KWTX 97.5 Waco 2145 to 2200 instrumental (420); WBRC 106.9 Bgham 2240 to 2300 hits, WENN 107.7 same 2300 to 2320 soul, WUSF 89.7 Tampa 2200 to 2215 UG (555) 11/10 KOKE 95.5 Austin TX 0000 to 0015 cw; 11/11 KGMR 100.3 Jacksonville AR 0050 to 0100 cw s/off, no SSB (310), KRMH 103.7 San Marcos TX 0113 to 0140 UG (455), KROB 99.9 Robstown TX 0150 to 0205 cw (500), KBUC 106.3 San Antonio 0200 to 0210 cw (460). 11/12 KBFM 100.3 San Antonio 0243 to 0300 cw, WLCY 94.9 Tampa 0310 to 0430 HP '71 (540), KZFM 95.5 Corpus Christi 0224 to 0240 folk (495), 11/13 WTJS 104.1 Jackson TN 0043 to 0100 oldies (381), WSMC 90.7 Collegedale TN 1712 to 1755 EL/clx (475), WDAL 101.3 Meridian MS 0035 to 0100 Million \$ weekend, s/off w/Lord's Prayer (196), WEKU 88.9 Richmond KY 1650 to 1830 discussion/clx (630), KTRM 95.1 Beaumont 0000 to 0003 s/off w/SSB (1750), WDIZ 100.3 Orlando FL 0115 to 0127 hits (604), WKLS 96.1 Atlanta 0200 to 0220 EL (457). 11/14 WKES 88.9 Chattanooga religious (465), WDOL 104.7 Athens GA 1808 to 1820 RR (550), WOOR 97.5 Oxford MS 1835 to 1900 oldies (290), KPNV 93.5 Ferriday LA new on air, 1850 to 1900 cw (80), WMIT 106.9 1800 to 1900 church service (620), state #17, KCRF 95.9 Winnsboro IA cw (130), WCPC 93.3 Houston MS 0527 to 0540 hymns (190), WFLA 93.3 Tampa FL 0537 to 0552 pops standards (540), KWFC 97.3 Springfield MO 2305 to 2320 nx, inst. (482), KYEA 98.3 W. Monroe LA 2333 to 2350 soul, nice for power (151), 11/15 WQIK 99.1 Jacksonville FL 0037 to 0105 cw (566), WRUF 103.7 Gainesville FL EL s/off w/SSB 0015 to 0133 (560), WXLM 97.3 Savannah GA 2345. 11/14 to 0005. 11/15 EL WDJC 93.7 Bgham 0000 to 0015 EL (330); 11/16 WPLO 103.3 in Atlanta 0200 to 0230 pop standards, WBBQ 104.3 Augusta GA 0230 to 0240 MoR (575), WILL 90.9 Urbana IL 1825 to 1840 NPR net (697), KACO 107.7 St. Louis 2317 to 2342 EL (567), WGNU 106.5 Granite City IL 2338 to 0000 cw, (11/17 WDMS 100.7 Greenville MS 0605 to 0627 inst. (204), WMPS 97.1 s/off @0011 no SSB, KMOX 103.3 St. Louis 0100 to 0115 hits/stds, WMDC 100.9 Hazelhurst MS 0606 to 0625 cw (120), WAAZ 104.9 Crestview FL 23060 to 2320 nx (280); 11/18 WABF 92.1 Fairhope AL 0050 to 0145 cw req. hits, remote f/niteclub (191), WBAQ 97.9 Greenville MS 2330 to 0001 clx to s/off w/Lord's Prayer (204), then a verified MS logging WIFI 92.5 Philadelphia PA 0356 infc Philly (1112, my most distant yet); 11/20 KDBH (note call) Natchitoches LA 97.7 0530 to 0545, s/onn w/SSB, cw (140). 11/25 WWBA 107.3 St. Pete. FL 0220 to 0245 MoR (547), 11/26 WRBL 102.9 Columbus GA 0457 to 0515 s/onx w/SSB, farm pgm (393), WGOV 92.9 Valdosta GA 0256 to 0310 cw (468), WFDR 93.3 Manchester GA 0307 to 0325 cw (412), WKTZ 96.1 Jville FL 0227 to 0300 MoR, ID as Jones College Radio (566), WVMI 93.7 Biloxi MS ex WBIL 1050 to 1110 EL (1390), 12/8 WMBC 103.1 in Columbus MS 0014 to 1030 MoR (270), KIKL 104.5, new WTUL 91.5 NO LA, WMTM 93.9. Moultrie GA 1205 to 1230 cw (460). WTUL ha d UG rr 1055 to 1130 (72) 73.

Andy Bolin, 709 Lincoln Avenue Charleston, Illinois

Unseasonably warm wx this winter has brought a few tropo openings with it, however, off season Es on FM has been noted only once. 11/16 topp 2030 WNAS 88.1 New Albany IN w/BKB, 1930 WBYU 95.7 New Orleans (670) w/MoR, 1940 WQNZ Natchez MS w/s/off twice, 0000 WALT 97.1 Meridian MS w/s/off @0005 (#600), WDJE 93.7 Birmingham AL on 11/17 w/nx, 0200 KTAL 98.1 Texarkana AR w/ow. @0210 to 0250 unID on 90.1 w/\$UG. Who is possible except KPFT? If it was KPFT, it was the third time in 3 weeks! (805). 12/14 Es extremely widespread violent feder, rules were fade in for 15 sec., gone for good. @1807 KIVE 96.5 Glendive MT w/MT nx f/net., @1850 KZFM Corpus Christi w/rock, 1911 KKFM 96.5 Colo. Spgs w/UG. 12/26 Tropo @2200 WSB Atlanta w/ID/MoR, 2215 WCRT w/MoR and WENN w/soul, both Bghm. 2230 WLTA 99.7 Atlanta w/MoR, 2235 WQXI 94.1 Smyrna GA w/rock, 2245 WJLN Bgham 104.7 w/soul, 2240 WEMA 100.5 Anniston AL w/s/off, 0000 WDBL 94.3 Springfield TN w/s/off. On 12/25 a friend and I took down my whole antenna rig, moved it back 12' and raised it 10' higher. The results are interesting. To say it quick, stations that were heard with regularity have not been improved the least bit, but a few of the stations that were hrd a small percentage of the time have a large improvement. Example, at the worst time of the day WBEM/WSDM Chicago are just under a \$ level, no change, but WNIB also Chicago has gone f/about 20% to at least 80% of the time. The same basically holds true for WUWM Milwaukee, KADI St. Louis, WLDM Detroit, WAEF Cincinnati and a few others. 73.

Ronald J. LeBlanc 2524 Arizona Drive Marrero LA

This report is probably too late for this VUD, but it will be early for next months' column. I have been a member for 18 months now, and have finally gotten around to doing some FMDXing. I will be using the same antenna system as for TV, channel master #3617 @65' w/an Alliance T 45 rotor and Belden 8228 75ohm coax. Eqpt. is an old Zenith stereo, which has much overload, all stations below were recvd w/this unit. All stations in next months report will be recvd on a Heathkit AR 1500, which I have just finished building and waiting on one missing transistor. All stations are new. Total 67/6 states. 8/8 2000 KTIB 106.3, 2200 WCCA 105.7, 2205 KHOM 104.1, 2230 KCIL 107.1, 2300 WAFB 98.1, 2350 WVSL 105.3, 9/14 WSJC 107.5 @1845, 2205 KAGH 104.9, 2240 WKXI 94.7, 2330 WTGI 103.3, 2331 WHSY 104.5, 2338 WKYV 106.7, 2340 WBIL 106.3, 2342 WROA 107.1, 2345 WCKW 92.3, 2400 WSLI 96.3. 10/25 1915 KHCB 105.7, 2030 KRMH 103.7, 2100 KNRO 106.9, 2130 KSMB 94.5, 2205 KQUE 102.9, 2215 KNIR 99.1, 2225 WJBO 102.5, 2235 KSIX 93.9, 2300 KPFT 90.1, 2330 KYND 92.5, 2415 KREE 104.1, 2435 KGBC 106.5. 10/26 2245 KAPB 97.7, 2315 KIVY 92.7, 2317 KSFA 92.1, 2320 KUHF 88.7, 2430 KXYZ 96.5. 10/27 0135 WBRC 106.9, 0145 WENN 107.7, 0155 WHEQ 105.9. 10/29 2030 WQNZ 95.1, 2120 WQXY 100.7, 2215 KPEL 99.9, 2250 WFOR 103.7. 11/8 1900 KMRC 96.7, 2015 WPCS 89.3, 2045 WKRQ 99.9, 2145 WCIX 104.9, 2200 WPEX 94.1, 2215 WPMP 99.1, 2300 KRVS 88.3, 2335 (note same date as REW page 1 RWW) 2335 KLEB 94.3, 2400 WOSM 103.1. 11/10 2310 WYNK 101.5. 11/11 1030 WUSF 89.7, 1030 WPAP 92.5, 1050 KOOL 106.5. 11/12 0225 KRLD 92.5, 0230 WVMI 93.7. 11/13 0735 WFFF 96.7, 0740 WTYL 97.7, 0800 KSLI 95.9. 11/14 1215 WABF 92.1. 11/19 2145 WAPI 94.5, 2305 WVLM 103.7. Locals are WDSU 93.3, WJMR 97.1, WNOE 104.1, WRNO 99.5, WWL 101.9, WWMT 95.7 (should be WBYU Ron RWW), WWOM 98.5. Well, till next month. 73s Ron. (Welcome to the column Ron. You were right, it got here too late for Jan VUD. You and Richard Wood can compare loggings as you're not too far distancewise. I look forward to regular reports from you in the coming months. RWW. Might as well mention here that I have done absolutely nothing on FM, solely on BCB now. WYEN 106.7 Des Plaines IL is on 24 hrs in \$ w/usual garbage MoR like some many others in Chicago. This city has got to have some of the biggest copycats in the world for FM formats. RWW)

Dennis Moe Route 2 Box 32 St. Ansgar, Iowa 50472

Time to send along my first report. I've been DXing for about two years. Used only a whip at first, but results were meagre. Went from there to a 6 element quad (a flop!) and a home brew 10 element beam. Present is the 10 element at 35 feet (to be replaced with 2 10 element vert. pol. beams at approx. 55', home brew of course), a small Panasonic AC DC AM/FM (a real beauty for sensitivity and selectivity) and an Alliance T 20 manual rotor. Started DXing again on 11/27 after a two month period in which I had little time for DXing. DX down much from very good summer tropo, but ducting and intense local tropo have enabled me to pick up about 9 new stations in a week and a half. 11/27 MS brought me new WSRV 100.9 Syracuse NY @2300 (830) w/wx. Tropo on 11/28 netted old faithfuls WSOY 102.9 Decatur, IL (320) as well as many semi locals. Same tropo brought in new WEAJ 100.5 Jacksonville, IL (note call change Dennis RWW) (280) w/hx @1817. 11/29 WHWC 88.3 Colfax, WI IDed as WHLA Holmen. (Station engineer on duty probably asleep at the switch, gets feed of WSBS from WHLA RWW). 11/30 extended tropo brought KJSK 101.1 Columbus NE (270) @1845 and new WSUP 90.5 Platteville WI (275w, 130 mi) @2130. 12/1 finally got KDPS 88.1 Des Moines after looking for it for two years (5200w but only 125mi). Vy weak with educational programs @0703. Station testing finally IDed as KOEL in Olwein IA (70) @2130. (What frequency Dennis? RWW). 12/4 Bucting finally gave away to general tropo especially to SE netted new 10w KWAR Waverly IA 89.1 (52) @2100 and new KSUI Iowa City IA (150) @2107. Totals 234 not counting call letter changes in 15 states and Ontario. 73. (Welcome to you in this column, Dennis. Please report often, and if possible, please double space/ RWW)

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

As my report suggests, time for DXing during the last 4 months of '71 was at a premium due to other activities, including the arrival on Nov. 3 of son Kevin, the first addition to our family. By the middle of November, however, systematic monitoring of "clear channels" during the early morning hours was resumed. I found 99.1 vacant locally on Sunday AMs and a bustle of MS activity. This frq. netted 3 new stations in approx. 15 hrs. It took 17 hrs to log WPCS Pensacola, but only 2 hrs. on 89.7 to snag WDYN and state #32. I do hope their XR site is not across the state line in GA. Does anyone know? Thanks to Fred Nordquist for the tip on AN WGAN FM Portland in his report a few months back, as a likely target for those needing Maine. 12/29 WGAN appeared to be the dominant station on the freq. and several clear IDs were hrd, YL and all. In summary, the year 1971 saw 91 new stations logged, 25 by MS, 10 by Es and 3 by AU. Six new states were added. DX: 9/6 1012 tr WQWK 96.7 State College PA ID w/WRSC AM (132); 1128 WFRB 105.3 Frostburg MD (227); 1350 WKTK 105.7 Catonsville MD (231); 1700 WHBI 105.9 Newark NJ (190). 9/30 2120 tr WOUB 91.3 Athens OH previously hrd by AU (348); 2200 WPAY 104.1 Portsmouth OH Reds BB (410). 10/1 0800 WCDR 90.1 Cedarville OH light mx (402). Now to EST 11/25 0200 WTID 104.5 Tidewater VA (351). 11/28 0230 MS WNUW 99.1 Milwaukee WI (552). 12/4 new local WCNY 91.3 Syracuse N Y (50). 12/5 0330 MS WSWG 99.1 Greenwood MS (855). 0330 WQIK 99.1 Jacksonville FL (784). 12/10 1735 unID 91.7 Dedication line w/soul mx on Es to about 94 MHz. 12/19 0702 tr WHBC 94.1 Canton Ohio (261). 12/22 0900 MS WDYN 89.7 Chattanooga TN state #32 "Gospel dynamite station" (605). 12/27 0800 MS KCUR 89.3 Kansas City MO previously hrd on Es, 0830 WPCS 89.3 Pensacola FL (1012), 1558 tr WBRK 101.7 Pittsfield MA (185), 2006 WINE 95.1 Brookfield CT (193) local WMIV off during this period. IDed as "You're in tune with the evening sound of WINE FM stereo until 1AM", 2030 WMTW 94.2 Mt. Washington NH (301). 12/29 0131 tropo WGAN 102.9 Portland ME state #33 (340). About five hours was spent monitoring 101.9 and 102.1 on the mornings of 12/13 and 12/14, yielded some of the most frantic MS activity ever heard here, although no new stations were IDed. 73. (Congratulations to you and the wife on your son Albert. RWW)

Hope everyone survived the holidays. New DX since last time: 10/31 WFMG 104.5 0946 EST w/wx, mx; 11/3 WBBI 92.7 1948 ad; 11/14 WCST 93.5 2024 rock; WZFM 98.3 2031 nx, wx; 11/18 WTAA 88.3 2159 concert, ID, sports pgm; 12/6 WITN 95.3 1934 nx; 12/8 WMDI 102.3 1945 w/nx, PSA, wx; WMGW 100.3 2007 rock; WLSW 103.9 2100 nx, PSA, wx; 12/9 WCHA 95.1 1917 ad; WAKM 100.9 1934 Mutual nx; WFB C 93.7 1944 ID; 12/12 WKLO 99.7 0625 gospel pgm. The first Es since 7/25 appeared on 12/14. When I came home at 1730 and found TV 2 to 6 full of skip. Opening lasted until 2030. I identified about 25 stations from TX, NM, OK, CO, KS, NE and SD. Only 4 were new: K TEN 93.3 1739 ads; KRID 92.5 1758 rock/ID; KWNS 93.1 1814 ID, ads; KKLS 93.9 1901 rock, ads "double K LS in the Black Hills). MUF went to about 99 MHz around 1830. KKLS verie says they were also heard in Lew Dr. Wood, I presume, hi. Two other new catches 12/28 WKSU 89.7 1943 rock, o/WOSU which is always strong. 1/1/72 WPPL 89.3 1059 ID. 73's.

Fred Nordquist 302 Sandra Lane North Syracuse, NY 13212

Brief periods of Es, MS, Au and Tropo noted this reporting period. WSOQ 100.9 still not on the air. (Hmmm, it seems that Dennis Moe must have been hearing someone else then, as he reports them on 11/27 w/wx on page 1. RWW DX hrd: 12/14 WPIG 102.9 PA ID @0047. Es noted at 1800, but no IDs. WHDL 95.7 now in mpx \$. 12/17 Au noted, then Au induced Es but MUF didn't reach FM band. 12/18 umn WKWK 97.3 WV rr w/WHCU off temp. @1014. 12/23 to 12/27 no DX, was in Tahlequah OK visiting inlaws. Love that Okie wx! (Did you and KTLQ do your thing Fred? Hi hi. RWW). 12/30 heavy aurora cx noted between 1900 and 2200. Umn WFBG 98.7, WUOM 91.7, WGPR 107.5 and unIDs on 100.9, 90.1, 103.5 and 104.1 w/very noisy and bassy audio, then new WJFM 93.7 MI o/WBLK after 1 hour of listening for ID (475) @2015. 1/4 stayed up to MS DX, and rewarddd with WPLN 90.3 TN w/s/off hrd on extended bursts @0100 w/recorded IDs and mentioning "Public Library" (575) TN #1. Many unIDs hrd on numerous bursts between 0030 and 0230, eg 97.5 "minus 25" w/Canadian accent, probably CJOB, hrd @0205. No luck on Dec. Geminids or Ursids MSDX, Using ch. 2 as an Au DX indicator of FM spelled success on 12/30. 75.

Mike Dorner, Jr. 1409 Hymelia Avenue Metairie LA 70003

After the great Es opening of 6/25, pickings were slim all summer: only 8 new stations for the next 3 months, despite constant monitoring. 6/29 brought in FNOE 101.9 w/s/on barely audible, when local WWL was off for maintenance. 7/24 early AM hours brought in WSWG 99.1 Greenwood MS at 0007....WCPC Houston MS 93.3 in w/election returns @0138. 8/11 brought WKXI "Kicksie" 94.7 Jackson MS, a professionally programmed soul station, in almost daily since going on the air around this time. The first trop opening was 9/14 w/WWQS 105.1 Orlando w/Braves BB 2105; WHOC 96.5 same w/MoR 2127, unID 103.1 w/drama pgm 2135; WDSK 92.7 Cleveland MS soul mx w/2150 ID (seems like the blacks are really going FM in Miss.) KWEH 97.1 Camden AR @2305 s/off, and WDIZ 100.3 Orlando w/solid gold RR (tnx Waldo) @2355 and All apparently. 10/9 brought a new local on 91.5 10 watter testing with no call letters, but announcing "This is the radio station of the Tulane Educational Fund, operating on 91.5 mc". @2200. When I called them up to tell them I had received them, they were amazed, for they had put up a makeshift antenna with a poor SWR ration. They claimed to be legally testing with no call sign by way of verbal telephone permission from Washington. It's now WTUL at 177, with a remote operation built by students there. New \$ KAPB 97.7 Merksville IA 10/25 @2200 w/cw, 2300 s/off. 11/3 0600 check of the band brought a sudden ID KROS FM Clinton, Iowa, but it faded out quickly (Ms perhaps? RWW) WCRT 96.5 AL @0615 w/Mason Family chapel pgm, MBS nx @6:30. This makes all Birmingham stations except a 10 watter. A good trop opening on 11/10 and 11/14 brought no new loggings, except for WQXM 97.9 faintly @0210 w/24 hr MoR; and WWBA 106.3 St. Petersburg MoR @0300 weak.

11/19 good but brief opening to northern MS WBAQ 97.9 Greenville @1930 w/mixgure of EZ and MoR and a spot for a Mexican restaurant, WDMS 100.7 same town w/cw mx, both stations mono; 2000 EZ MoR WKOZ 105.1 Kosciusko mx, then trop shifted to NE and brought WHMA 100.5 Anniston AL w/fb game of the Gamecocks vs Florence State @842 PM, WFBC 93.7 Greenville SC 2117 w/spot for the Casual Corner on McAlister Square, blocking out 100kw WBIL @40mi. 2154 WSPA 98.9 Spartanburg SC w/EZ, local spot and ID "From the south, this is the stereo pioneer..." to the music of the movie theme "The Reivers". This baby stayed in like a local for the next couple hours. 12/7 was fantastic: the dial was populated like fireworks stand on July 3: new were WBOP 101.5 Pensacola ex WONF soul mx 2352; WCSC 96.9 Charleston solid @0003 s/off; WBBQ 104.3 Augusta GA 0010 top 40 \$ w/Jerry Kaye; WZGC 92.9 Atlanta 0035 AM "solid gold" out of nx, mono this nite, stereo others; 0600 KSFA 92.1 Nacagdoches TX out of cw w/nx, whose jaw breaking name inspired me to look again for my long sought KDBH 97.7 Natchitoches LA (pronounced Nakatosh) 0600 w/local nx using ABC blurps; KDNT 106.1 Denton TX w/MoR // AM/FM @0630; KNOK 107.5 Dallas w/soul mx 0632 and local spot. Opening consisted also to Memphis and Birmingham. Returning from school that pm, I hit WGBA 107.3 @1731 w/strong mono cw signal, WKLS 96.1 Atlanta 1912 w/MoR, WOMA 94.9 1916 mono cw "silver dollar survey", WRAS 88.5 w/rock mx and PSA @1945 thru till 2000, WKES 88.9 Chattanooga w/clx mx 1935 and religious programs 1945 ch, WDYN 89.7 gospel pgm 2000, WBGm 98.9 atmtd MoR in \$ w/spots for dep't store and Kennelwood Estates, WSMC 90.7 Collegedale TN w/clx mx 2000 and nx 2100 to 2115. WHOD 104.9 Jackson AL in weakly w/MoR and WRBL 102.9 Columbus GA w/MoR @2145. This magnificent opening died by 2200.

Glenn Hauser PSC Box 42309 Kelly AFB TX 78241

A great month for FMDX down here near San Antonio! A bang up Es opening on 12/14 and then the best Gulf tropo period yet, around Christmas. In addition I put up an FM only 10 element antenna on its own rotor, this allowing me to DX TV and FM effectively at the same time. 12/7 KBIM 94.9 2215 "Kay Bim cy", 2218 91.3 KOCV Odessa TX pop mx, 2245 ID on to 0000 at least. 12/10 0800 94.9 MS WOMA Tallahassee FL "...FM Tallahassee, FL". 12/11 0644 04.9 WLCY Tampa FL long 3' superburst incl "Stereo 95 from Great Tampa Bay". 12/13 Es 1650 88.9 XHM Mexico DF IA mx; 1721 choppy inst. mx, n o ID, 1650 89.7 XFBS Mexico DF 1729 ID "La Chica Musical", 1732 90.5 XEDA? Mexico DF up mx w/Es fades briefly in KSYM/KUT SB. 12/14 0700 94.7 MS KTTS? Springfield MO "...Missouri. Time now for the ...Empire...", 0730 94.1 KWOA Worthington MN ID, 1828 Es WYSU? 88.5 Youngstown OH? cmtry on clx mx, KDKA TV 2 in simultaneously, 1832 WAUP 88.1 Akron OH (1255) "WAUP wx watch", 1843 91.7 WUOM Ann Arbor MI (1215) very strong nx, 1859 ID, female vocal o / KNCT, 1845 94.9 East Lansing MI (1220) ID, soul mx WVIC 1848 ID, 1850 95.7 WZZM Grand Rapids MI (1185) 1854 ID sounded like WCCN, 1852 WJFM 93.7 Grand Rapids ID "Big country" MoR, Xmas mx o/KSIX, 1855 95.5 WLDM Detroit MI (1245) Detroit wx, 1855 91.9 WWSH Huntington IN sports, CCI guitar cl mx; 1900 plugging free pgm guide for 1971 to 72, ID, then back to game coverage Huntington North HS, 1903 95.3 WBEV Beaver Dam WI (1120) local ads, wx Jim Delaney reporting, 1908 WLBH 96.9 Mattoon IL (915) nx by local in KEEZ SB, 1910 wx WLBH temp. 51 degrees, 1912 WGFA 94.1 Watseka IL (1000) promo for BKB Watseka Warriors vs Gibson City, 1913 WGIL 94.9 in Galesburg IL (930) ABC FM nx (only possibility listed in VJ, CCI f/WLVE, 1914 94.7 KSHE Crestwood MO (790) local ads, 1916 WLVE 94.7 Baraboo WI "Love stereo nx happening now", 1921 95.1 WGGC Glasgow KY (905) CSTTC, ID hard rock, 1925 94.3 WMOA Marietta OH (1195) local ad, 1926 WLEX 98.1 Lexington KY (1005) 1931 ID "solid gold", 1934 WBZI 95.3 Xenia OH (1095) plug gospel mx BC, naming all DJs, 1942 88.5 WRAS ~~KFAX~~ Atlanta pop mx, MUF falls and by 1945 94 MH z dead, 1955 ID. 12/22 install FM antenna on rotor, used predominantly. 2211 91.7 KOSU Stillwater OK (480) first time tried for this station, ID after FF mx pgm, then Mx to midnite, 2358 s/off, 2217 94.7 KEBC OK City ID, local ad, 2225 94.7 KIXY San Angelo ID as 2KIXY and Cablevision ch. 4", in KEEZ SB.

12/22 2240 98.9 KFJL Oklahoma City (435) soul mx, local ads, 2313 95.1 KNTD
 Wichita Falls (315) ID, Xmas wish, 2318 94.3 KLLS Palestine TX (250) ID.
 12/23 0019 99.9 WACO w/wx, ID, 0700 94.3 KDLK Del Rio TX (135) s/onn, extremely
 overmodulated, 0701 95.9 KMWT Mineral Wells TX (245) s/on, 0900 91.7 KVTT?
 Dallas s/on, directly into Firing Line, 1145 107.3 KINBR Poteau OK (460) ID,
 2100 98.1 WAFB Baton Rouge HP '71 ID, 2351 98.5 KHPL Ciudad Acuna Coah local
 ads to 0007 s/off w/taps, ID full info 1250w ERP, s/on @7AM, is all SS, 0019 TT.
 12/24 0614 99.3 KFMM Abilene TX (225) \$99 ID, local spots to 0633, 0634 99.9
 KIUR Wichita Falls Xmas special plug, still good @0738, 0637 98.1 KCCO Lawton
 OK phone #, \$98 jingles, 0657 95.3 KFN E Big Springs TX (260) jingle, ID, etc.
 0712 96.9 KQIP Odessa TX local ads, ID, 0744 95.1 KNTD ending TSN rx, 0752
 106.7 WKYV Vicksburg MS (505) ow, local ads, still strong @1250. 1404 98.3
 KORA Bryan TX (165) Ai rx, local ID, 1413 101.5 KNUE Tyler TX (295) local ads,
 to 1430 ID, in KQXT SB, 1601 96.9 KULP El Campo TX (145) s/on, 27kw SSB, 1613
 93.5 KVPI Ville Platte IA local ads, badly squeezed by KITV/KTBC, local ads
 mostly in Cajun, much dead air, 1800 ID in EE, 1616 92.3 WCKW LaPlace IA co ID
 w/WKQT, Bobby Martinez Show, 1621 106.5 KGBC Galveston TX (230) local ID, mx,
 1626 106.1 KRFB? Monroe IA talk in KBUC SB, believe ment. Kay Reb, 1629 106.3
 KWHI Brenham TX ID thru KBUC on LSB! (??? RWW), 1634 WKXI 94.7 Jackson MS MRN
 mx, 1646 WYNK 101.5 Baton Rouge local ad, 1716 106.1 KDNT Denton SS f/north,
 1717 101.1 KNAF Fredericksburg in GG, but poorly accented, 1921 102.1 KLYZ
 Elear Lake City solid despite adjacent KQXT. 12/25 0038 99.1 KMTY Clovis NM
 ID, SS pgm, EE ID @0100, 0050 99.9 KODAX equally strong w/KMTY audible, 0115
 96.1 KOCY OK City hard rock, 0118 ID, 0123 104.1 same 0255 ID "Mx Till Dawn",
 0226 94.7 KEBC same local ad, 0227 92.9 KAKC Tulsa (500) \$93 KAKC Solid Gold.
 0807 99.1 KMAG Mt. Magazine AR (you must be putting us on Glenn. RWW) o/KODA
 0822 91.5 KANU on Ms 0902 ID also Ms, 0836 96.7 KSHN Sherman TX (325) w/PSA,
 soulful mx, 0846 Xmas wish, ID, 0915 KTEN 93.3 Ad a OK (395) local ads, ID,
 0951 94.1 KDJW Amarillo TX (450) solid gold, 0958 ID, 1005 95.7 KLDG Hobbs
 NM in w/Xmas mx, local ads to 1159 ID as KLDG\$, no QTH given! 1009 97.5 KSJT
 San Angelo in SS, 1021 107.1 KSEO Durant OK (350) local ads, ID in passing,
 1030 96.9 KCRC Enid OK (490) ID, 1039 KMWJ 89.1 Wichita KS carols; 1042 SS amnt,
 evidently live auditorium concert, 1043 KXCV 90.5 Maryville MO (790) 1050 ID,
 playing Xmas story, 1112 KCUR 89.3 Kansas City MO (715) clx mx from north.
 1152 94.5 KLBK Lubbock TX ID, 1154 97.1 KWKI Ft. Worth w/FB despite KEEZ,
 1204 KWWW Stephenville 98.3 Poor w/muffled audio no ID, direction north, not
 KHFI, 1335 WDRJ 93.5 Drew MS local wish "right here in Drew", 1624 WKEX 88.9
 Chattanooga TN (875) soft Xmas mx to 1629 ID, 1625 WDYN 89.7 same hymns,
 1625 89.3 WPCS Robertsdale AL lite clx to 1630 ID, 1709 WMOT 89.5 Murfreesboro
 TN via tropo and Ms jazz and pop mx in to 1822 CST ID, 2243 KBPO 94.1 Beaumont
 TX TT to 2250, then RS, 2257 WSLI 96.3 Jackson MS (540) clx mx to 2332 s/off,
 7AM s/on. 12/26 0020 WLPR 96.1 Mobile AL (640) rock mx to 0032 ID, 0204
 93.3 KCAW Port Arthur w/rx,wx for KCAW country, 0606 92.3 WCOV Montgomery AL
 HI ad, HP '71 jingle, 0613 99.7 WLTA Atlanta (890) PSA, TC, ID, 0629 WBOP
 101.5 Pensacola ID, mx, 0639 WANS 107.3 Anderson SC (1000) local ad, N N
 stn, 0654 local church notices, 0642 WENN 107.7 Bgham gospel mx ment. city,
 0809 107.1 KSIO Opelousas IA local ads, n o ID. 12/27 WAVO 94.9 Decatur AL
 0200 "95" ID ment. Bob Jones Univ., 0120 WQXI Smyrna GA 94.1 ID "WQXI FM
 \$94.1 24 hrs. per day", 0201 92.9 WZGC Atlanta solid gold, KITV being off now,
 0209 ID \$93 WZGC. 1/2 KITV 92.9 local s/on @0600, other days is 0530.

I will make one final notice. I am not going to sit and edit reports that are sent to me in forms other than paragraph. One member mentions "he simply does not have the time to type up a separate report in heavy months like this!" I don't have the time to sit and edit it either, especially when several stations are listed over and over, and are only 200 miles away. I believe this is for DX, not a listing of what's being heard on the dial from one end to the other day by day. If I receive any more such non formatted reports, they will not be typed by me. I have spoken! RWW

Richard E. Wood Dept of Foreign Languages LSU Baton Rouge LA 70803

This is a time of excitement as I make plans to move out from my apartment to a quiet suburban house location, and to install a really top notch tower and antenna system. Your advice on preferred makes and sources of supply would be much appreciated at this hour of decision. DX since last report has been excellent, with much tropo noted, and my first major Es opening. Local FMDX was interrupted by a DXpedition to Mexico and Guatemala. Reports on that should appear elsewhere in future Digests. 12/8 WRFS 106.1 Alexander City AL (350) 2200 s/off, WSMU 106.3 Starkville MS "Bulldog Country Pop" cw 1955 to 2015 (250), WLOM 106.5 Chattanooga TN MoR, UPI nx 2030 to 2035 (465), KWAM 101.1 Memphis cw 1941 to 2000 (328), underscored means verified, WABE 90.1 Atlanta 1845 GG mx, 1900 into classical (457), WAPI 94.5 Birmingham AL 2200 to 2230 NBC nx, into talk show (330), WKLD 97.7 Oneonta AL 2304 s/off w/soft chorus no Anthem, nice signal for 990 watts and verified as their most distant rpt (365). 12/9 WDFW 92.3 Chattanooga 0020 to 0040 FL, WOOF 99.7 Dothan AL 0030 to 0100 s/off w/Lord's Prayer (347), WELO 98.5 Tupelo MS 2345 to 0000 s/off w/lively orchestral SSB (302), WSB 98.5 Atlanta 2350 to 0008 MoR, NBC nx, s/off vocal SSB (457); 12/10 finally logged much wanted WOSM 103.1 Ocean Springs MS 2330 to 0000 Moody Bible Institute show, verified as their most distant report to date, though only 144 miles; it figures, though, as very weak even here; 12/13 WACT 105.5 Tuscaloosa AL 2300 to 2315 cw (281) and a 2nd Tusca. station in the same highly directional tropo ducting, WUOA 95.7 2315 to 2330 MoR, KXOL 99.5 Ft. Worth 0025 to 0040 old hits (395), all of the above by tropo. Then, thanks to a warning phone call from Bill Matthews in Columbus, for which I am very grateful, I hit the tail end of a beautiful Es opening, my first. Incidentally, if any of you note an Es opening which you think I might be missing call at (504) 343 7771 are always appreciated, station to station will get me every time. First logging was KDSN 107.1 Denison IA, a mighty 3kw dominant at 840 miles, w/promo for upcoming show 1858; then KWAT 96.1 Watertown SD nx of the Dakotas 1900 to 1905 (1045); this was shortly thereafter lost u/KOIL 96.1 Omaha NE Xmas mx 1904 to 1910 (794); then my greatest distance record KKLS 93.9 Rapid City SD hard RR, numerous IDs as "Double KLS" some SIDs very similar to Chicago's AM WLS. Verified as their most distant report (1160). To crown this short lived but productive opening, KWBI 91.1 Morrison CO 1944 to 1950 offering pgm sked, full ID, into Moody Bible Inst. show; verified as their 2nd most distant report (1008) after Cardon Howington in Uniontown. Then a break for my Central America trip. Back to find tropo 1972, 1/3 WSIX 97.9 Nashville cw 0000 to 0007 s/off unaccompanied vocal SSB (467); 1/2 KVEE 105.1 Conway AR transcribed evangelists 2000 to 2015 (319), WREK 91.1 Atlanta 2125 to 2200 Progressive RR ID as "The progressive sound in Atlanta radio", WQXI 94.1 Smyrna GA 2305 to 2330 MoR automated (458), WMOT 89.5 Murfreesboro TN Black, Rap Brown speeches 2120 to 2140 (465) very nice for power, KLCN 96.1 Blytheville AR 1700 to 1730 nx, cw (398). Any advice as I move into my new home and install new antennas would be appreciated (FM only, not TV).

Pat Dyer 327 Solar Drive San Antonio TX 78227

I managed to get a little DX this time with my Wards 62 1 and it's whip antenna. CST used, underlined new. 12/13 2200 to 0030 listening for Geminid MS, averaging several a min. w/the largest lasting abt 10/15 sec 2344 KRDO 95.1 CO (760). Prior to this, Es to around 96MHz w/very loud SS near 88MHz. 12/14 1840 found after noting MUF rise from ch 2 to 6 in 10 minutes; 1848 WVIC 94.9 MI (1170); 1906 WBEV 95.3 Beaver Dam WI (1085); 1927 WTMB 98.9 Tomah WI (1060) after 1940 spotty to 1950 fade. Cold front had just moved thru, noise level was high. Many unIDs, mostly believed to be from MI and WI, possibly some IL, IN or MN. MUF close to 107 MHz. 12/23 tropo 0112 WFAA 97.9 Dallas (250); 0133 KFAD 94.9 (215); 0218 KRLD; 1047 KGAF 94.5 Gainesville (310) Ctd

Dyer (cont'd)

12/24 tropo 1020 KIXY 94.7 San Angelo (180); 1058 KFAD. 12/25 0045 WFAA; 0100 KNUS 98.7 Dallas; 1015 KRLD; 1035 KGAF; 1053 KLBK 94.5 Lubbock (350). 12/26 0211 KRLD; 0250 KLLL 96.3 Lubbock; WBAP 96.3 Ft. Worth (240); 1152 KLBK; 1159 KSEL 93.7 Lubbock. 1/3 Quadrantids meteor shower; prior to about 1300 looked like less than the Geminids with only a few bursts running 5 seconds most were under 1 second; 1300 to 1415, likely peak with several bursts running 10 and 20 seconds; 1700 by this late only rare bursts as long as 5 seconds...overall didn't seem to be as good as last year in number of long duration bursts, but I did manage one ID, 1405 KADL 94.9 Pine Bluff AR (510). 1/4 0030 note meteor activity picking up again, some good 20 sec bursts, finally an ID @0230 KCFM 93.7 St. Louis MO (810). Later in day some good bursts, but not as good as 1/3. 73.

Ronald J. LeBlanc 2524 Arizona Dr. Marrero, Louisiana

Finally received my missing transistor from Heath, got my receiver working in time for a nice opening on the 24, 25 and 26 of December. I can't say enough about that Heath receiver. You can imagine what it feels like to have 6 locals and not have any overload. Everything within 175 miles seems to be regular. At one time or another each day KPFT in Houston is in and that is 321 miles. Right now the band is dead and KPFT has been in and out all evening. 3 days of DXing with this AR 1500 has added 44 new stations to my totals, and 3 new states. Totals now are 112 and 10 states. All stations below are new. 12/23 KNCT 91.3 Killeen TX. 12/24 WBAP 96.3 Ft. Worth TX, KITY 92.9 San Antonio TX, KCAW 93.3 Port Arthur TX, WCPC 93.3 Houston MS, KAUM 96.5 in Houston, above stations were hrd from 1900 to 0230. 12/25 1300 KOSU 91.7 Stillwater OK, 1650 WFAA 97.9 Dallas, 1915 WQST 92.5 Forest MS, 2157 KASU 91.9 Jonesboro AR, 2200 WJNS 92.1 Yazoo City MS, 2205 KWPM 93.9 West Plains MO, 2210 KRAA 94.1 Little Rock, 2230 KGUS 97.5 Hot Springs, 2345 KBOX 100.3 Dallas. 12/25 1430 KINB 107.3 Poteau OK, 1957 WABE 90.1 Atlanta GA, 1950 WRAS 88.5 same, 2000 WESC 92.5 Greenville SC, 2010 WJGA 92.1 Jackson GA, 2100 WMOT 89.5 Murfreesboro TN, 2145 WRPM Poplarville MD 107.9, 2230 KAKC 92.9 Tulsa OK, 2249 WZGC 92.9 Atlanta. 12/31 2243 WWAG 94.1 Carrollton AL. 1/1 2130 KJEF 92.7 Jennings LA, 2200 KSLO 107.1 Opelousas LA. 1/2 1355 KWKH 94.5 Shreveport LA, 1723 WALT 97.1 Meridian MS, 1757 WZAM 94.9 Mobile AL, 1830 WHYD 107.3 Columbus GA, 1905 WWSM 105.5 Bay Minnette AL, 1907 WJLN 104.7 Birmingham, 1930 WJDX 102.9 Jackson, MS, this one has been overlooked since the first day I started FM DXing. 2000 WDYN 89.7 Chattanooga TN, 2002 WKFS 88.9 same, 2015 KDBS 100.3 Alexandria LA, 2030 WLSM 107.1 Louisville MS, 2035 WJOF 104.3 Athens AL, 2140 WOOR 97.5 Oxford MS, 2250 WRSA 96.9 Decatur AL, 2258 WSIX 97.9 Nashville TN, 2320 WQXL 94.1 Smyrna GA, 2403 WDJC 93.7 Birmingham AL, plus many LA, MX, AL, TX, AR reruns. Well, it's been three days since I started typing this report and the band is still dead, so I'll end this report for now. 73s,