V.U.D. INDEX & REPRINT SERVICE, 1979-86

This is the TECHNICAL ARTICLE INDEX for the VHF-UHF DIGEST, covering every edition from June, 1979 until the present. Now, it should be possible to locate information about 'most any topic of interest to DX'ers. (To conserve space, the categories on beer, football, and modern poker techniques have been omitted.) There has been some superb talent contributed to the WTFDA club over the past several years, and there's no reason for those efforts to go unrecognized and unused.

This index is organized by topic, with separate categories for the "Technical Topics" column of Bill Thompson, the "Antenna News" column of Doug Dornbos, and some of Bill Fahber's "Television News" columns. Each entry has its own reference number, title, author, page number, number of pages, and VUD edition. For example:

038 LOOPS, EARS, AND DX - Grant, 22 Dec 81 (1)

This article, written by Robert Grant, appears on page 22 of the December, 1981 VUD, and is one page in length. Titles are in all-capital letters, and quick descriptions are given when the title does not explicitly say what the article is about. I have made every effort to make this index complete and accurate. It has been double-checked so that, hopefully, no articles have been overlooked or misprinted. I do welcome any comments or suggestions on this index, as well as hearing about any errors or omissions. This index will be updated each year at this time, but it may not necessarily be printed in its entirety in the VUD. Updates will be published every January, and copies of the entire index are always available from me. Again, your comments are welcome on this matter.

Most importantly of all, this serves notice that the WTFDA now has a REPRINT SERVICE! You asked for it, and, by gosh, you eventually got it. This very index can be used to order reprints -- and that is what that 3-digit number with each entry is for. The numbers rank the articles in chronological order, and can be used to order reprints. (If an article has more than one part, the date the first part appeared is used.)

TO GET REPRINTS...just order as you would from any mail-order catalog. Send me a note with the numbers of all the articles you want, plus ten cents per page. Add up the total number of pages (as given in parenthesis), divide by two (since two VUD pages can be Xeroxed at once), and multiply by ten cents. Easy, huh? You are welcome to make reimbursement in unused U.S. postage stamps of any denomination, or by personal check payable to TIM McVEY. Please note that I am NOT able to cash checks payable to WTFDA.

The club has no central headquarters or fancy office building in Manhattan for this kind of service. I am doing it because I am such a nice guy, and because I have a complete set of VUD's from mid-79 on. Also, because, as I said before, some great work has been done by WTFDA members, and it shouldn't go unrecognized and/or unused. Anyway, I make copies for 5 cents per page (at places like Kinko's) and pay 22 cents per ounce for postage like everyone else does. Figuring that four pages plus envelope makes an ounce, that comes to about 5 cents per page to mail. So, the 10¢ does not make me a profit; it merely covers expenses. Mail your requests to my address below for best results. They should be sent to me rather than club HO to save forwarding time.

Hope this index/reprint service is useful and helpful! 73's...

9348 Cherry Hill Road, Box 705 College Park, MD 20740

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The Summer 1980 season was one of the best for DX at any time before or since. All the FM, TV, & PSB DX reports from the Sep and Nov <u>VUD</u>'s are available as a package. They illustrate just how the long-distance propagation modes behave: areas covered and movement of ducts, MUF changes, duration of openings, distances, etc.

RR5 INFORMATIVE DX RECEPTION REPORTS PACKAGE (44 pages) Various "super" DX reports selected from the years 1979 to 1986 that, as above, illustate important features of Es and tropo, two-hop skip, close-in skip, equipment & weather comments, etc.

TECHNICAL TOPICS TT1 THE WTFDA "DX'ERS ENCYCLOPEDIA" (36 pages) The "Technical Topics" columns that ran before April, 1983, were written in a Q and A format, using questions actually submitted by members. They are not full articles, but brief discussions about specific topics of interest to DX'ers. This package serves as a good, quick-reference to the most often asked questions. TT2 8 J1v 79 (3) Is M.S. possible on rabbit ears? Is M.S. seen on UHF? Lightning scatter. 300-ohm vs. 75-ohm lead-in; using F-connectors. Why RG-59 is poor for UHF. Good cable to use for PSB frequencies. TT3 25 Sep 79 (1) FM tuner specifications. Is it possible to hear 10W by E-skip? TT4 44 Nov 79 (2) Horiz. & Vert. polarization. Circular pol'ion. What is E-skip? TT5 28 Jan 80 (2) What is a log-periodic antenna? What does "50dB quieting" mean? Problems with a UHF TV preamp. Specific-channel vs. broadband ants. TT6 25 Mar 80 (1) Min. height for a good antenna. How ant. height affects UHF & VHF. TT7 34 Apr 80 (1) Explanation of CCI patterns. About TV offsets. Can 10kHz look like 20 kHz CCT? TT8 27 May 80 (2) Simple, homemade indoor antenna (quad loop). Are preamps useful during E-skip openings? How to be warned of a potential opening. TT9 26 Jun 80 (1) Problems with interaction between antennas. TT10 39 Aug 80 (1) UHF antennas for DX'ing. Comparison of Finco P-5 & P-7 dishes. TT11 50 Sep 80 (1) All about S-meters. Can an FM antenna be used for TV? Preamps. TT12 27 Oct 80 (1) The Discone antenna. Can a UHF TV antenna be used for PSB? TT13 13 Dec 80 (2) Indoor UHF antennas for DX'ing. How to stack antennas. TT14 6 Jan 81 (1) Is it possible to have good mid-winter tropo DX? TT15 34 Feb 81 (1) Log. vs. Yagi FM antennas. What is a "wedge" test pattern? Does tropo occur on the 30-50 MHz band? Likely times to look for Es. TT16 24 Mar 81 (2) Why antenna preamps work best located at antenna. About UHF traps. Disadvantages of preamps. Losses from baluns and cables. Why don't antenna nulls occur where expected? TT17 23 May 81 (1) The connection of E-skip and thunderstorms. TT18 25 Jun 81 (1)

Are omnidirectional antennas useful? Discount antenna imitations. TT19 34 Jly 81 (1)

Coax cable losses; general information about coax.

TT20 46 Aug 81 (1)

Info. about the Persieds meteor shower. When to look for M.S. TT21 43 Sep 81 (1) Picket-fencing & multipath effects on car FM radio reception.

TT22 23 Oct 81 (1)

The most common VHF TV antenna used by club members. TT23 31 Jan 82 (1)

Are tuners or receivers better DX performers?

TT24 30 Feb 82 (1) Advantages of vertically mounting a TV antenna for DX'ing. How well a vertical antenna will work for PSB DX'ing.

TT25 45 Mar 82 (1) How to best use UHF preamps and traps.

TT26 27 Apr 82 (1) About auroral DX. What it looks like when seen on TV.

TT27 38 Jlv 82 (1) Best all-channel TV DX antenna. How height affects performance.

TT28 30 Nov 82 (2) Information about coax and twin-lead; installation.

TT29 29 Dec 82 (1)

Where to locate and how to use a preamp for TV DX. 3 Feb 83 (1)

Comparison between the Finco FM-4G and FM-5 antennas. TT31 27 Mar 83 (I) Auroral DX tips.

Technical Topics columns are now written as full articles. (McVey) 080 21 Oct 84 (2) Servicing antenna rotators. 081 40 Nov 84 (2); 20 Apr 85 (2) All about selectivity: theory and specifications. 082 22 Feb 85 (2); 29 Mar 85 (2) Notes on building and installing a home-built SCA decoder. 083 32 Sep 85 (2) NASA's Skylab ionospheric experiments. 084 19 Oct 85 (1) All about FM broadcast pre- and de-emphasis. 085 31 Feb 86 (2) Project: a home-built stereo headphone amp for tuners. 086 23 Mar 86 (5); 6 Jun 86 (4) All about signal and tuning meters: theory and practice. 2 Aug 86 (3) The use of polarization in broadcasting. 880 2 Sep 86 (3) All about coaxial cable. ANTENNA NEWS Column (Dornbos) AN1 13 Jun 83 (3) (BIB. 1935-1945) Antennas & Reflectors; theory. Antenna mounts. AN2 25 Jly 83 (3) (BIB. 1945-1947) Tripods as ant. mounts. When & how to buy DX gear. AN3 35 Aug 83 (3) (BIB. 1948-1952) All about antenna mast pipe. 4 Sep 83 (4) (BIB, 1953-1956) All about towers. AN5 19 Nov 83 (3) (BIB. 1957-1960) All about antenna rotors. AN6 15 Dec 83 (4) (BIB. 1961-1963) Transmission line theory: balanced vs. unbal.; coax AN7 16 Jan 84 (3) (BIB. 1964-1968) Transmission line theory: impedance. AN8 12 Feb 84 (3) (BIB. 1968-1971) Trans. line tricks & hints: 39¢ trap; baluns. AN9 21 Mar 84 (4) (BIB. 1971-1974) Transmission line product comparison; what to buy. AN10 14 Apr 84 (2) (BIB. 1974-1976) Traps and filters. AN11 18 May 84 (4) (BIB. 1977-1978) Preamps and preamp theory; noise figure. AN12 14 Jun 84 (3) (BIB. 1978-1980) Preamp bandpass theory; product comparisons. AN13 40 Jly 84 (2) (BIB. 1979-1982) More on preamps. AN14 3 Aug 84 (4) (BIB. 1983-1984) Consumer Elect'ics Show report; the Decibel AN15 13 Sep 84 (2) Automobile/R.V. antennas. AN16 32 Nov 84 (3) All about automobile FM antennas: theory and practice. AN17 8 Dec 84 (3) List of addresses of antenna and hardware manufacturers. AN18 28 Feb 85 (3) Antennas for scanners: theory and practice. AN19 28 Apr 85 (4) All about indoor FM antennas; product comparisons. AN20 22 Jun 85 (3) All about outdoor FM antennas. AN21 38 Aug 85 (4) More on outdoor FM antennas. The Consumer Electronics Show. Note: a complete bibliography covering almost every magazine article published from 1935 to 1984 on antennas or related topics, was supplied in several installments. "BIB." indicates the years covered each month. TELEVISION NEWS Column (Fahber) 041 TELEVISION HISTORY PACKAGE (17 pages) The author ran in seventeen columns a "Retrospect" - good, brief history of the development of TV. Topics include: pre-FCC days. early experiments and DX, early equipment, development of laws and standards, What happened to Channel 1, radioastronomy and Channel 37, the KLEE?KPRC bogus DX story, early repeaters, etc. DATES: 6 Jan 82; 6 Feb 82; 4 Mar 82; 8 Apr 82; 6 May 82: 6 Jun 82; 6 Jly 82; 10 Dec 82; 9 Jan 83; 6 Apr 83; 4 May 83: 3 Jun 83; 5 Jly 83; 3 Aug 83; 50 Sep 83; 4 Nov 83; 19 Dec 83.

ADVANCED TELEVISION SYSTEMS COMMITTEE BROADCAST DEMONSTRATION

Greg Monti October 1986

The Advanced Television Systems Committee is a joint effort of the broadcast television and receiver manufacturing businesses charged with coming up with one or more possible systems that would allow home viewers to watch a new, significantly-improved kind of television, generically called High Definition Television (HDTV). It is generally assumed that HDTV pictures will use 1,050 or 1,125 scanning lines, roughly double the 525 lines that NTSC television uses in the US, Canada and Mexico. In addition, proponents want the resolution of each line to be higher than on current TV systems, i.e., there will be more horizontal detail as well as more vertical detail in every frame. In addition, HDTV proponents want the aspect ratio of the picture, the retio of its horizontal to its vertical dimension, to be about 5:3, similar to the proportion of a Panavision film projection. NTSC's aspect ratio is 4:3. It is also generally assumed that HDTV will have digitally-transmitted stereo sound and possibly other features.

HDTV cameras and recorders have been developed, but there is no standard way that HDTV signals can be transmitted from one place to another. The main problem is bandwidth. With double the number of scan lines and maybe double the amount of resolution in each line, an HDTV picture would take six times the bandwidth of an NTSC signal. Instead of the 4 MHz or so video bandwidth of an NTSC signal, 24 MHz would be required. Assuming that it might take 1 MHz of bandwidth to transmit digitally two 15 kHz audio channels and assuming that a vestigial-sideband AM transmission technique were used to transmit both video and audio as a radio frequency signal, one HDTV station could take up 30 MHz of bandwidth! In order for that signal to be of any use, it would have to be received by the general public on a new type of television set that would be totally incompatible with current NTSC sets. Also, the FCC would have to allocate enough bandwidth so that a dozen or more HDTV stations could compete in the same city as NTSC stations do now.

If the bendwidth can be reduced, it's possible that a terrestrial (non-satellite) RF system could be used. A reasonable number of 30 MHz wide channels probably couldn't be allocated without kicking a lot of other RF services into new bands. So development work has centered on ways to reduce the bandwidth of the HDTV video signal without noticeably compromising picture quality. Some development work on bandwidth compression has been done in Japan. A possible standard, called MUSE, compresses a 24 MHz HDTV video signal plus two channels of digitized audio in a bandwidth of 8.1 MHz. A digital-computer-driven device makes use of the repetitive nature of the scanning lines and frames in the HDTV signal to send out an encoded version of the video with some of the repetitive parts left out. Then a receiver with another computer in it uses the encoded video signal to reconstruct by calculation each HDTV frame. These calculations are done as fast as the signal comes in and as fast as it is displayed.

The idea is to get the bandwidth-compressed HDTV signal, combined with sound and modulated onto a radio frequency carrier, to fit into a channel 12 MHz wide. This presents several possibilities for transmission. Since 12 MHz is exactly twice the bandwidth of the 6 MHz NTSC RF signal, it may be possible to use channels heretofore unused in the NTSC spectrum in pairs so that 12 MHz is made available to one HDTV station. For example, in the New York area, channels 63 through 66 are not used in the UHF band because of allocations requirements. If better TV sets could be produced that would reject interference from certain "taboo" UHF channels, then two of those channels might suddenly become available for the HDTV service. An HDTV station could be assigned channels 64 and 65 and could transmit the double-channel-width, bandwidth-compressed HDTV signal to the public on those two channels (which would be "seen" as one "channel" by both the station and the public — when using the proper HDTV set). The signal would be

unviewable on an ordinary NTSC receiver, but those who buy the new type of receiver would be rewarded with superior picture quality.

But what would they watch? There would be a big problem for the new HDTV broadcasters. The NTSC stations would have all the money, all the telent, all the advertisers and all the home receivers. The HDTV stations couldn't even buy old network reruns from syndicators since they'd be in the old NTSC format. Maybe some further compromising would have to be done to make HDTV financially viable. Here's a possible solution: Suppose each NTSC broadcaster were allowed to get into the HDTV business by using its current NTSC channel plus a second channel to get the 12 MHz of total bandwidth that would likely be needed. Program production houses, networks and TV stations could use their current profits to help develop HDTV programming. After a while, all programming would be produced in HDTV format. At each TV station. the HDTV videotape playbacks would be sent through a "standards converter" that would convert them to the old NTSC format for broadcast. This would allow a library of good HDTV programs to be "in the can." Then, the new type of HDTV transmission could begin. The standards converters at TV stations would be replaced with HDTV "channel splitters." The channel splitter would take the HDTV playback signal and create two outputs from it. One would be a standard NTSC signal with 525 scan lines that would be sent to the existing TV transmitter. The second signal would have the "missing" information, an additional 525 scan lines of video information. The two channels would neither have to be adjacent nor numerically related. Folks with the old NTSC sets would still be able to watch the signal by tuning in the station's old transmitter as they always did before. Unless they were told, they'd never know that there was a second channel with the extra information on it to construct an HDTV picture. People who bought the new HDTV sets would be able to see the programs they're already familiar with, but now in HDTV, as soon as they get the set

Example: In Washington DC, WUSA, channel 9 could be authorized to build a second transmitter, to operate on, say channel 59. The old channel 9 transmitter would continue to send out a normal NTSCcompatible picture, in color, with stereo sound, with 525 scan lines and 30 frames per second. The channel 59 transmitter would send out the "augmentation channel," the extra 525 lines of detail, possibly bandwidth-compressed to allow transmission of greater detail in the limited 6 MHz wide channel. The new HDTV sets, when you tuned them to channel 9, would check the vertical interval of the channel 9 signal for a special code that tells HDTV sets that this station is broadcasting in HDTV. The code would include a command to the HDTV set's second, internal tuner, to tune to channel 59 to get the augmentation signal. Without the HDTV viewer knowing it, the second tuner would find channel 59 would combine the two channels into one HDTV video signal, and would display it for the viewer. Thus HDTV would be a compatible service, just like stereo FM or color television, receivable on both the old and the new sets.

Sound farfetched? Think about this: the effects of things like ghosting and snow on HDTV signals is going to have to be evaluated. That means experimental over-the-air transmissions. Subject to FCC approval, sometime in 1987, the Advanced Television Systems Committee will take to the airwaves in Washington DC with HDTV transmissions. The committee has applied for channels 58 and 59, using WUSA-9's tower, directional south so it can be viewed in FCC, NAB and Congressional offices. Since these channels are adjacent, both the "double-wide" channel method and the "compatible and augmentation" channel method could be tried. It's unlikely that the double-wide transmission could be received as anything viewable on an NTSC set. However, the NTSC-compatible channel in the second case could easily be received on today's receivers. This might provide a unique DX opportunity to see a special kind of engineering test on an experimental television station.

PS: The Committee may also test two other transmission methods for HDTV: (1) using the 12 GHz band (terrestrially, not satellite) with FM video and (2) using the 2 GHz multichannel MDS band, with vestigial sideband AM video.

EASTERN TV-DX

John F. Combs 2969 Herschel #7 Jacksonville, FL 32205

Limited Edition

Special options are available for Government Agencies and Embassies.

DEADLINE ALERT: Deadline for the January column will be December 24th, in order to accompdate my heavy inventory schedule!

DECEMBER 1986

Although autumn is usually a prime time for tropospheric DX, no major openings have occurred, and it's been quiet in the troposphere. (You know it's been bad when no less than Bob Seybold called September and October "the worst...for trops I have ever observed here!"). On the bright side, E-skip has refused to die, producing some good openings in October that even reached solidly into the FM band. Even as this column is ready to be mailed, I received a phone call from Larry Van Horn informing me of some E-skip into OK that I missed on November 4!

Scott M, Hood, 7 Auburn Rd., Beverly MA 01915-2501 CEDT									
Scott M. Hood. 7 Auburn Rd.	. Beverly MA 01915-2501	(EDT)							
MAY 1986	JUNE 1986	JULY 1986							
21 E 0855 MUF ch. 6+	15 T 2310 NYC V's + 68	14 E 1555 MUF ch. 6+							
1100 WRCB-3 TN 975	2320 "WHUR-9 NH now	1600 WSAV-3 GA 975							
1200 WBTV-3 NC 775	only a weak 20 kHz	"finally NBC!"							
2005 MUF ch. 2	offset on WOR-9!"	1630 WBTV-3 NC 775							
25 E 1010 MUF ch. 6+	2320 WNJU-47 (NY) 225	1715 WYFF-4 SC 850							
1120 WCBD-2 ? SC T	2320 MNDT-47 MD 390	1900 <u>WSB-2</u> GA 1000							
1155 WEDU-3 FL 1275	2320 CT 18/20	1900 WMAB-2 ? MS T							
1650 MJF ch. 2	2355 WLIG-55 NY 145	1925 WLBT-3 MS 1350							
26 E 1300 MYF ch. 2	16 E 0935-1815 in & out	1930 WRCB-3 TN 975							
JUNE 1986	18 E 0940 MUF ch. 2	15 E 1000 MUF ch. 2 vy wk							
1 E 1110 MUF ch. 3	19 E 0945 MUF ch. 4	1805 MUF ch. 4 (no 3)							
7 E 1035 HUF ch. 2	20 E 2005 MUF ch. 2 vy wk	16 E 1310 MUF ch. 2 in/out							
8 E 1335 MUF ch. 2	22 E 0855 MUF ch. 2	17 E 1000 MUF ch. 4							
1920 MUF ch. 2	23 E 1000 MUF ch. 4	1700 MUF ch. 6							
10 E 1055 MUF ch. 6+	"but ch. 3 clear!"	1700 unID-2 Canada							
1100 WRCB-3 TN 975	27 T 2215 NYC V's	"30-40 kHz to MGBH!"							
1115 <u>WYFF-4</u> SC 850	28 E 0950 MUF ch. 2 weak	1720 unID-6 Canada							
Above 2 "logged at	T 2325 NY 2/4/5/7	1810 CKPR-2 ON 1025							
Ann & Gopes dept.	2325 MA 22/40 CT 20/24	1810 WEDU-3 ? FL T							
store in Danvers!"	JULY 1986	1810 unID-3 Canada							
1825 MUF ch. 5	2 E 1510 MUF ch. 2	1915 KTV0-3 MO.1175							
2035 WEDU-3 FL 1275	3 E 1000 MUF ch. 2 weak	18 E 1000 MUF ch. 6							
2115 MUF ch. 6+	1930 Ditto	1030 KIMT-3 IA 1175							
2200 HEAR-3 (AL)1300	4 E 2130 Likewise	1200 WCIA-3 IL 950							
T 2235 WVEC-13 VA 530	5 E 1605 MUF ch. 3 in/out	1300 KYTV-3 MD 1300							
2235 WAVY-10 VA 530	6 E 1115 Same	2325 MUF ch. 4							
2250 MOR-9 vy strong	7 E 1700 MUF ch. 6 (+?)	19 E 0010 WMAB-2 MS 1250							
2335 WCAU-10 PA 295	1830 NCIA-3 IL 950 1910 KYTV-3 NO 1300 1915 KTVO-3 NO 1175 1925 NGIL-3 ? IL T 8 E 1055 NUF ch. 6	1025 MUF ch. 2 in/out							
11 E 0940-2055 MUF up/down	1910 KYTV-3 MG 1300	1605 MUF ch. 4							
all day	1915 KTVO~3 MO 1175	1700 WBTV-3 NC 775							
2135 KIMT-3 IA 1175	1925 W6IL-3 ? IL T	1710 WRBL-3 GA 1100							
12 E 1000 MUF ch. 5	8 E 1055 MUF ch. 6	T 2340 Phil 3/10/12 T							
1040 KTVO-3 NO 1175	1100 WEDU-3 FL 1275	20 E 1435 MUF ch. 2							
2005 MUF ch. 3	9 E 1205 MUF ch. 2	2000 MUF ch. 3							
13 E 1555 MUF ch. 2	1805 MUF ch. 5	21 E 1655 MUF ch. 6+							
14 E 0950 MUF ch. 2 brief	1905 WBTV-3 NC 775	1740 WCIA-3 IL 950							
1655 MUF ch. 4	1900 WEDU-3 FL 1275	1755 KTVO-3 MO 1175							
1850 WRBL-3 GA 1100	10 E 1045 MUF ch. 6+	1810 WTWG-2 IN 925							
15 E 1015-1845 MUF up/down	1130 WRCB-3 TN 975	1820 <u>KTVI-2</u> MO 1100							
1900 WEAR-3 (AL)1300	1215 WRBL-3 6A 1100	1930 WHAY-3 NC 750							
1915 WEDU-3 FL 1275	1500 WEAR-3 (AL)1300	2000 WCBD-2 ? SC T							
T 2215 Phil 3/6/10/17/29	1700 f/out	2020 f/out							
2230 WHYY-12 (PA) 315	2030 MUF ch. 4	22 E 0945 MUF ch. 5							
2255 HMGH-40 NJ 330	11 E 1030 MUF ch. 4	2230 MUF ch. 2-3							
2300 <u>MNJT-52</u> NJ 260	1300 f/out	23 E 0000 <u>HBRZ-2</u> LA 1475							
2300 HNJH-50 NJ 215	1620 MUF ch. 3 weak	0015 WHAB-2 MS 1250							
2305 <u>MSJV-65</u> NJ 310	12 E 1810 MUF ch. 4	1750 MUF ch. 5							
2310 <u>HGBS-57</u> PA 295	13 E 1900 MUF ch. 5+	1845 HEDU-3 FL 1275							
12 E 1000 NUF ch. 5 1040 KTV0-3 MO 1175 2005 NUF ch. 3 13 E 1555 NUF ch. 2 14 E 0950 NUF ch. 2 brief 1655 NUF ch. 4 1850 WRBL-3 GA 1100 15 E 1015-1845 NUF up/down 1900 WEAR-3 (AL)1300 1915 WEDU-3 FL 1275 T 2215 Phil 3/6/10/17/25 2230 WHYY-12 (PA) 315 2255 WH99-40 NJ 330 2300 WNJT-52 NJ 260 2300 WNJT-52 NJ 260 2300 WNJT-52 NJ 215 2305 WSJY-65 NJ 310 2310 WGBS-57 PA 295 EL "DX" DE SCOTT SE CONTINU	M EN LA PAGINA PROXIMA> -	->>>>>>							

29 E 0920 MUF ch. 3-4

30 E 1630 MUF ch. 2

31 E 1115 MUF ch. 2

2010 MUF ch. 3

1925 MUF ch. 2

1955 MUF ch. 3

IN 925

2000 WLBT-3 MS 1350 11 E 0715 MUF ch. 2

50	31	EKN I	ADY												DECEMB	ER 1986
311	ΙY	1986				ALL	24 6			cont						
23	Ë	1915	HEAD-3	/ A1 -			2	BI 13	199		_		AUG	/ST 19	986	
	-	2215	WNJH-50	NIT.	1300		=	1015	mur.	cn.	2 v	y wk	11 (175	986 5 MUFch. 2	yy ⊌k
					1											
27	-		MUF ch.			3	E	1045	La	mi sm	A CO	sa	"Met		es: C than	T BRYLLIS
	_		WRE6-3		1200		_	1810	MUF	ch.	6		13	1910) ME 2(T)/7	7/10/12
	•		NYC V's		205		T	2150	NYC	V' =		205	•	"in	unusually	strona"
			WLIW-21			4	E	1630	HLF	ch.	2	205		2330	WLIW-21	NY 185
			WNJU-47					2255	HUF	ch.	3			2340	WLIG-55	NY 145
		2220	Philly 3	3/10			Ε							234	NVC Q/11	205
			HAVY-10		т			1450	MUF	ch.	6+		14 7	1905	5 WLBZ-2	ME 186
			WVEC-131		Ť			1500	MGA	V-3	GA	975	i	1905	ME 7,10	
			WTAF-29					1700				1100		2220	un ID-56	
			HHHT-68				•	'FM i	= uni	bel i	eveal	ble!"			"10 kHz to	LH UT"
			WGB5-57	PA	295			1800	WBR	C-6	AL	1125		2225	5 CT 53, NH	50
			WBAL-11	MD	380			2000						222	5 WNJU-47 (NV) 205
		2340	WUSA-9	DC	415			2030	WEA	R-3	(AL	1300			WTAF-29	
			"New cal	1 = "				2100	WED	U-3 ·		T			HUBA-9 ?	
			MCPB-28	MD	390			2200				1200			KYW-3 ?	
		2340	HPHL-17	PA	295			2235						072	PA 29, NY	
		2340	WTGI-61	(NJ)	315	6	E	0935	MI IC	ch	2		_		MUF ch. 6	
		2340	WLI6-55	NY	145	-	T	2020	Phi	110 :	3/10	/29	-		WEDU-3	
		2340	WHYY-12	(PA)	315			2020	HCR:	5-2	// m	trana	-	7215	NY 4/5/7/	0/11/13
				NJ	330			2055	HPV	1-6	PA	295	•	2313	NY 2/21	3/11/13
		2350	WNJS-23?	LN S	245										HCPB-28?	MT
			WNJB-58					2125 2205	NVC	U! =	4 61	7 44			WTAF-29	
			CT 20/24									310	16 1			PA 295 NJ 330
25	T		WAPB-227		т			2205	LINE TI	R_50	NJ	235				
			WMAR-2 7		Ť			2205	LM Y	-55	NY	145			WHIT-68 (
	E	1005	MUF ch.	5	•			2205 2205	Libert	2-22	NJ	245			Philly 6/	
			Some NYC		out							245			MUF ch. 2	weak
			NYC V's					" -4.	- LE	90 T 4	\rm.	. 212		1640	MUF ch. 3 MUF ch. 2	
				NY	145			2205	·9 ·••	23 P	E 23-	,	1/,E	1015	MUF ch. 2	
				NJ	330			2200	LM TO	13, r	34 40	, .~ -		1645	MUF ch. 2	in/out
				NY	185			2255	PROPER	-17	N1	180	18 E	1845	MUF ch. 2	
								2255	LIA TA	-1/	- FA	730	19 5	1300	MUF ch. 2	vy wk
		2340	Philly 3 CBHT3-11	NC	270	,		2255	MILL	100 m	PA	~~-	20 E	0845	Again	
		"30-	40 kHz +	. uo	TVI			2220	WODE	-3/	PA	295	_	2150	Yet again.	
		2345	40 kHz t CJCH6-6	NG.	330			2220	WAIN	/ 	(NY)	205	T		NYC 2/4/5	
			alifax o	_ 514	# 330			2330	JUM	 4/	(NY)	205		2330	KYW-3 ? F	PA 295
26	F		MUF ch.		!			2330	WHIT	1-50	NJ	215	21 E	1800	MUF ch. 2	
			WEDU-3		1078			2330	WNJI	-52	NJ	260	23 T	0015	KYW-3 ? F	'A 295
		2340	"Hash on	7.	14/3			Z.3.30	HIN		NY	170	E	1030	MUF ch. 2	vy wk
27	Ξ,	1040 /	1400 ME	&	4 "							380	24 E	1150	MUF ch. 2	weak
20	_	1005	1400 MUF MUF ch.	_cn.	6			0010					26 T	2310	NYC V's in	/out
20			mur cn.	J				0035	WMAR	7-27	MD	T	27 T	2220	Ditto	
			WSIL-3	TF	1025		_ '	0210	HUSA	-9	DC	415	28 E	1815	Ditto MUF ch. 64	٠
			KYIV-3	MO	1300		E	1930	MUF	ch.	4			1915	WEDU-3 F	L 1275
		1100	WTW0-2	IN	925	R	F	OO 15	LINAR	-2	MC	1250		1020	LIDERT	

"What a humdinger of a season! The first half and the tail-end were real duds tropospherically. But what a middle! As for the 'legendary' June 10-12 Es, it didn't seem too spectacular from this QTH, at least MUF-wise. What was most noteworthy with this opening was the time and length. August 5th, on the other hand, was flabbergasting! The way FM was cooking (some freqs sounding like an AM local channel at night), I was sure the MUF was going to reach ch. 7 or higher! The prime time for Es this season appears to have been the early and late evening, rather than the traditional 1000-1400 schedule. The unID-9 via MS on August 9th was a real eyebrow raiser. I find that the most frequent MS occurs a few days to a week <u>before</u> the predicted shower. I think there is a definite connection between MS and Es, especially off-season. The brief tropo opening to VA on June 10th was a pleasant surprise. The other tropo surprise was NS on July 25th. I had assumed I had WBAL on 11, but when I logged Halifax on FM. I realized what I had! I started work Aug. 7th as a runner for a firm at Logan Airport. The early hours (0830-1700) knock out late weeknight DXing:

8 E 0015 WHAB-2 MS 1250

0725 MUF ch. 3-4

2305 MUF ch. 3-4

9 M 2000 unIDs-2,3,9

E 2355 MUF ch. 2

10 E 2020 MUF ch. 3

"no time to DX!"

1930 WPBT-2

2320 WEDU-3

2325 WRBL-3

2325 WBTV-3

2330 WREG-3 TN 1200

"MS induced"

29 E 1755 HUF ch. 6

31 E 2350 MUF ch. 2

FL 1375

FL 1275

6A 1100

GA 775

EAS	3TE	ERN T	V-DX												DECE	WEK_	1 7 7 5
Dav	/*	Niem	n. Akro	n NY	14001	-952	29									(EDT)
			1986					198	5			OCT	O	ER 15	396		
24	T	0800	CHRO-5	ON	205	24	1000	CFJ	P-35	PQ	297	1	Ŧ	1107	WCEX-16	PA	194
		0810	WTUV-33	NY	165			Mon	treal	•	TQS"	6	T	2016	WTW8-26	CT	344
			Utica	(test	ing)	24 1	1920	-201	1 to	ch.	6				New Lond	ion	
		0838		MA											KFDM-6		
			Adams	(WNYT	-13)	29 (1900	CIT	Y2-31	ON	115	9	E	2005-	-2040 to	5-no	IDs
		0900	H59AU	NY	165			Hoo	dstoc	k		20	T	0828	HMPC-23	PA	171
			Utica	CHICNY													
			,		EQUIP	HEN	T: RCA	9"	BLM T	V w/	Tekni	i ka	6.	510 tı	ıner		

CM Crossfire 3617-B @ 16' AG (806' ASL) B-T CMA-Ub preamp on CM 7' dish @ 40' AG (830' ASL) RG-11 75-ohm lead-in on both antennas

GANNON UNIVERSITY BROADCASTING, INC. GANNON UNIVERSITY, ERIE, PENNSYLVANIA 16541

Do not adjust your set

(Logo courtesy of Dave Nieman)

"I saw a call slide on the mystery ch. 49 I reported in last month's column. They are CFGS 'Super 49 Stereo.' Also on the slide was 'Television Quatre Saisons' (TQS), also seen on ch. 35 Montreal's color bars. But still no location on the ch. 49. Though my DX report doesn't show it. October 19/20 were good Tr days in western NY. I saw ch. 16/22/26/45 from the Dayton area, chs. 43/49 IN, ch. 15/32/41 from Louisville, and chs. 18/27/36 Lexington. Later had ch. 23/25/ 41/47 and NBC under ch. 7 and CBS under ch. 9. all from MI. (The latter two. I surmise, would be Traverse City and Cadillac?--jfc) Stns from eastern NY, MA, CT, NJ, eastern PA, MD, DC & northern VA seen, but no positive IDs."

(EDT) Robert Seybold, 10567 Bennett Rd., Dunkirk NY "Just a short report as there has been hardly any DX of any kind here. Bad weather and lots of rain have resulted in only a couple of tropo openings, and those were short."

OCTOBER 1986

15 T 1500-2300 WTAP-15. WYAH-15, WMPE-16, WMPI-18, WMEP-16, WGEX-16, Elmira Us, WUTR-20, WHP-21, WDAU-22, WNJS-23, WCVE-23, new WTWS-26 New London CT, WETA-26, Roanoke-27, WBRE-28, WTTE-28, WJTC-26, WITF-33, WMGC-34, WDLF-38, WLVT-39, WICZ-40, WXTV-41, WPMT-43, WVIA-44, WXAA-23, WUSV-45, WSKG-46, WNJT-52, WSNL-67, Syracuse Us, new WTUV-33 Utica, DC 50, Manassas, Kingston, Riverhead, Vineland, Dayton Us, WMDU-16, WHIZ-18 and others. Thumbs Down "Signals not strong, but fairly steady."

"Other new ones here lately include WETG-66 Erie, CITY2-31 Woodstock, and new Canadian on 49, near Ottawa (Note Dave Nieman's comments above -- jfc). There have been a couple of occasions of E-skip observed, but not logged. Veries in from WJTR-16, KLRT-16, WETO-39, WJKA-26, KTVP-29, WSJV-66, all new unless previously reported (getting close to the 1,000 mark). (Whew! You deserve a plaque or something when you reach that milestone, Bob! How many other TV-DXers in my lifetime will be able to claim 1.000 stations logged??--ifc) In conclusion, this has been the worst September and October for trops I have ever observed here."



--Shameless Ad Part II

The response to my offer of a set of DX DISTANCE PRINTOUTS has been less than overwhelming! Only 4 people have ordered them thus far. Surely there must be more DXers reading this column who would jump at the idea of a full set of printouts covering the distances to most North American TV stns for only \$7 U.S! Just to see if you're paying attention, and to show how generous I am, anyone ordering the printouts between now and 1993 will receive FREE the entire state of Delaware!!

EAS	ΙŒ	RN T	/-DX										DEC	EMBER 1966
Mai	t	Sitte	1. 220	Brook	cfiels	Dri	ve. K	<u>i nosport</u>	TN :	37663				(EDT)
SEI	'ΤΕ	MBER	1986			OCTO	BER 1	986				BER 1		
4	Ε											2002	KJAC-4	TX 812
			un I Ds-2					earest e	ver s	seen "			KIII-3	
		2007	₩PBT-2	FL	747					878		2036	KMOL-4	TX 1053
OC:	OE	ER 1	206					Es f/ou						TX 1166
			HOAY-4					dinner						
8	Ε			NM	1206			Es back						
			KAMR-4	TX	1116			inner br						
			KTVY-4	OK	837		1900	KACB-3	TX	1088	14 E	2057	KIII-3	TX 1055
			KSNW-3	KS	B19		1900	KJRH-2	OK	747			(See N	ote #3)
		1702	KMID-2	TX			1918	KGBT-4	TX	1166		2058	KGBT-4	TX 1166
		1708	KFDX-3	TX	936			(See No	te #	1)		2058	un ID-2	Mexico
		1712	MUF 93	mHz ((XX)		2000	MUF 102	mHz	(XX)			(See N	ote #4)
		1713	HDAF-4	MO	691		2025	KCEN-6	TX	932		2058	KMOL4	TX 1053
		1714	KLNE-3	NE	958		2107	KAUZ-6	TX	936	T?	2059	E-YAHH	NC 303
		1717	KSNB-4	NE	878		2200	Es fade unIDs-2	-out:	B			(See N	ote #5)
		1721	KJAC-4	ТX	812	9 M	0625	un IDs-2	, 3		E	2116	HUF 10	8+ mHz to
		"K-	-jack ci	nanne)	4"			(See No	te #	2)			S. TX	and N.
		1724	KIII-3	TX	1055	Ε	1958	KMID-2	TX	1174			Mex	ico
		1758	KHOL-4	TX	1053		1959	KBTX-3	TX	911		2147	KRIS-6	TX 1055
		1758	KBTX-3	TX	911		1959	KACB-3	TX	1088				
			_											

1---"They have a brand-new ID (see right). Reminds you of Cuba, don't it?"

2--"Thought it was Es, turned antennas everywhere, then remembered MS was to be in that day."

3---"23rd time seen this year. (Is there a record for the most times a stn has been seen via Es in a year?) (Who knows? Can anyone top that?---jfc) 4---"Had ad for Tylenol in SS and a 2 logo (over WSJK)" (5)

(Probably an XEW relay--jfc) 5---"Antennas west? Over huge E-skip opening? You figure it out!"

(Maybe Tr, or it could be some type of Es backscatter. I think Pat Dyer has seen less than 300 miles by this mode---jfc)

"October was surprising with the good E-skip. Whenever Es is in, the cactus on top of my TV set grows. Weird. If it continues, I may have a cactus tall enough to put antennas up to see some decent trops. (Hmmm...sure you're not growing anything else there...like, maybe stuff you smoke?—-jfc) On 10/14 I saw Es when it was 50 degrees (F.) out. Back on 1/14 it was 37 (F.) when I saw XHY. Is there a record for the coldest temp recorded by a DXer when Es was in? (Dunno...Es shouldn't be affected by temperature, so I'm sure it's been much colder during some openings. However, I'll leave that esoteric query to the collective experience of our more northerly DXers—-jfc) Maybe Santa will bring me a nice E-skip opening this Xmas into ND (or AK, China, etc.). Herry DXmas and 73's."

		_												
Kei	th	Pugt	. 227 M	lartin	St.	. Neu	Hope	AL 357	60				()	CDT)
			36					1986			OCT	DBER 1986		
20	E	1925	unID-2	XEW N	et	6 E	2000	XHRIO-2	TA	890	14	E 1920 WTVJ-4	PL ?	T
		1931	XEPM-2	CH	1170	24 E	1500	un ID-2,	3 вро	tty		2032 KIII-3	TX	800
21	E	0751	WESH-2	FL	480	OCTO	BER 15	986	•	-		2038 KPRC-2	TX	620
		0755	WTVJ-4	FL	702	8 E	1259	unID-5	Imevi	sion		2044 KJAC-4 1	? TX	T
		1031	KGBT-4	TX	870		1326	XEPM-2	CH	1170		2050 XHRID-2	TA	890
		1331	KIII-3	TX	800		1354	XHBQ-3	"Wher	e??"		2055 KGBT-4	TX	870
			KHGN-2	CO	1080							******	***	***
22	Ε	1030	KMID-2	TX				Zacatec				@ A.	_	*
7												25/27/25	\mathcal{C}	
		1100	KIII-3	TX	800		1547	KMID-2	ΤX	900	*	6.69	135	*
		1239	KWGN-2	CO	1080		1613	unID-2,	3 "//	TP	*	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	(%)	*
		1700	KPRC-2	TX	620			/' ICRT				a Same		*
28	E		un ID-3.					(Cuba-						*
	_		KGBT-4		870		1830	CI112-2			*	Y7N2 €	2	*
			XEFB-2					XEFB-2			*		, 	*
			KIII-3		800	9 E		KMID-2		900		The state of the s	20	*
29	Е		un IDs-2				1959	KRPC-2	TX	620	*	ZUMON.	5	*
			KIII-3		800			XHRIO-2		890	*	DEFTIN	76	*
			XHRIO-2		890			XEFB-2		Т	*	6160-w	w,	*
		1602	KGBT-4	TX	870	14 E	1830	WCBS-2	NY	790	*	FROM BRUND (THE	DXI	NG *
30	Ε		KACB-3	TX	840		1831		? NY		¥ 1	KEINDEER) AND N	AVGEL	F! *
			WBBM-2	? IL	T	12	1854	WPBT-2	FL	702	***	********	****	****



George W. Jensen 4604 Anntana Avenue Baltimore, Maryland 21206-4220

NEW ON THE AIR

Say AMEN to AMEN on Satcom 1 XPDR 15 which has been replaced by Grazie Eddies Shopping Service. XEIPN in Mexico City has been seen on an irregular basis on Morelos I XPTR 12. Election night brought an incredible number of feeds on many of the birds. On Ku feeds were noted on K-1 and K-2, G-Star 1 & 2, SBS 1, 3 & 1 and Spacenet-1.

SATELLITE OF THE MONTH

```
ANIK - D 104.5 W Odds/Horizontal
                                       Evens/Vertical
TRANSPONDER
                 SERVICES CARRIED
7
                 Occasional Feeds
                 TSN - The Sports Network - probably encoded with Oak/Orion by
                                             the time you read this
                 Occasional Feeds
                 Global Television Network - Feeds
                 Occasional Feeds
                 MuchMusic (Canadas MTV)
                 Occasional CBC Feeds
                 CHCH - Ch 11 - Hamilton Ontario - encoded - Cak/Orion
                 WDIV - Ch 4 - Detroit, Michigan - encoded - Oak/Orlon
WXYZ - Ch 7 - Detroit, Michigan - encoded - Oak/Orlon
10
11
                 CBC North - to Pacific and Yukon regions
12
                 Occasional Feeds
13
14
                 ISN and other Occasional Feeds
                 TCTV - Montreal, Quebec - encoded - Oak/Orion - French Language
15
                 CBC French Network Television Service
16
                 CBC House of Comrons Coverage - French Language
17
                 CBC Feeds
18
                 CITY - Ch. 13 - Edmonton, Alberta - encoded - Oak/Orion
19
                 CBC North - to Atlantic Provinces
20
                 CBMT - ch 6 - Montreal, Quebec - English
21
                 WTVS - ch 56 - Detroit, Hichigan (PBS) - encoded - Oak/Orion
22
                 CHAN/BCTV - Vancouver, British Columbia - encoded - Oak/Orion
23
24
                 WJBK - Ch 2 - Detroit, Michigan - encoded - Oak/Orion
                 CBC - House of Corrons Coverage - English
AUDIO SERVICES
                 CFNY - Brampton, Ontario
1
                 CFRB - Toronto, Ontario
6
                 CKOC - Hamilton, Ontario (tent) plus one other
                 CKUI - Alberta?
                 CFUN - Vancouver. British Columbia
11
14
                 CITE and CKAS - Montreal, Quebec (French)
15
                 CBC French Networks
16
                 CBBK - Kingston, Ontario
                 CBOF - Ottawa
18
                 CIRK - Edmonton, Alberta - plus another (CKO - Edmonton?)
                 unID'd Indian Dialect - irregular operation - poor fidelity
19
20
                 CBM - Fontreal, Quebec - English
22
                 CFMI - New Westminster, British Columbia
                 CBU - Vancouver, British Columbia
                                                          and others
                 CBL - Toronto, Ontario
23
                 CKRW - Whitehorse, Yukon, Territory
                 CHON - Whitehorse, fukon Territory
                  VOCM - St. Johns, Newfoundland
24
                 Various CBC Radio feeds
                 CKNM - Yellowknife - North West Territories
```

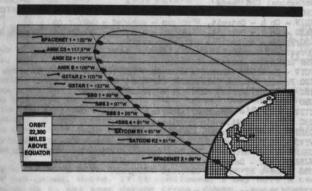
All of the Oak/Orion encoded stations are offered to the TWRO as a program service for a fee, of course. It is not offered to U. S. residents.

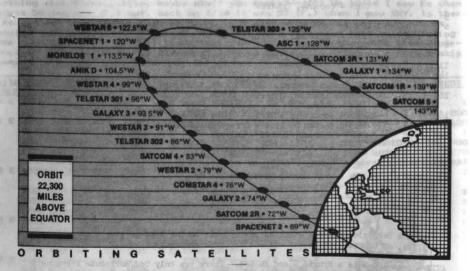
ANIK - B at 109 W is a Hybrid C and Ku Sat. There are only Odd/Horizontal charmels on this bird for C-Band and they are used, at this time, primarily for feeds. Power levels (or outputs) on the ANIK C-Sats are 9 watts which mades these birds about the strongest in the heavens at this time (in C-Band).

As I type this I am listening to CANM - Yellowkmife as if it were originating from WASR which is less than a mile from this location. The signal is A-One Crystal clear and the female amnouncer is strictly in dialect. From the Nov. 3rd issue of Broadcasting is the following information. Viscom has leased 21 transponders on Telstar 303 through 1995. Interested in moving to the bird are Disney Channel, Weather Channel, C-SPAN and Lifetime. Galaxy 3 is being opened up to regular programming (there's a Shopping Channel on it now). RCA is pushing Satcom 1 and 2 and Home Shopping Club will be uplinked to one of the RCA K Birds. Definate in moving to Telstar 303 are Mikelodean, Viewer's Choice, Showtime West, MTV, VH-1 and Lifetime in the next few ronths. The reason given for most of this is the signal strength and the newness of Telstar 303 and the price is right. If you recall - MYRD 21 on Satcom 3 blew out a while back and the Weather Channel had to be moved to MYRD 19 causing C-SPAN Senate coverage to move to Satcom 4. It has been noted at times also on K-1 and ASC-1.

17318

KU-BAND SERVICES





anare Opeate

FREE MAP

Winter is here. The DX is slow. It is time to think about other things. Remember last summer when you got that un-ID'd station and they mentioned a town in an ad that you could not find on any map? Now is the time to do something about it.

There are plenty of sources of good maps, if you want to pay for them. I've seen maps sold in gas stations and book stores. You can purchase a Rand McNally highway atlas, but you probally won't get the detail that you are looking for. Or you can join an auto club. The one I belong to has nice maps. But there is a source of maps that is completely FREE.

Most states, in their effort to attract tourists print state highway maps and they give them away for the asking. Many states give out fairly detailed maps, often better than a map that you could purchase. The small states give out maps that are almost as big as the states themselves. Many states take this one step further. Not only is the map free and all the travel brochures that they will send with the map free, about half the States nave toll-free 800 numbers. Below is the list that I have. Most are national, but can not be used inside the State. Those that are regional are marked with an *. States with in-state WATS line number is marked with an 'i'. when calling, ask for tourist information and "Please include a highway map". If they ask when you will visit their state, say you are not sure. If they ask where you got the number, please do not say from the VUD or WTFDA. Tell them the newspaper, a magazine, the library, a list you have, or don't know. All these numbers are current at present as I have used them in the past 3 months, but they are subject to change. And there are some States with 800 numbers that I may have missed (please tell me of any others you know of).

ALABAMA 1-800-ALA-BAMA 1-800-392- 8093 (i) ARKANSAS 1-800-643-8383 CONNECTICUT 1-800-243-1685 1-800-842-7492(i) DELAWARE 1-800-441-8846 1-800-282-8667(i) INDIANA 1-800-2WA-NDER 1-800-622-4464(i) IDAHO 1-800-635-7820 KENTUCKY 1-800-225-TRIP LOUISIANA 1-800-231-4730 MASSACHUSETTS 1-800-533-MASS x306 MICHIGAN 1-800-248-5700(*) 1-800-292-2520(i) MINNESOTA 1-800-328-1461 1-800-652-9747(i) MONTANA 1-800-548-3390 NEBRASKA 1-800-228-4307 1-800-742-7595(i) NEW MEXICO 1-800-545-2040 NEW YORK 1-800-CAL-LNYS (* and i) NORTH CAROLINA 1-800-VIS-ITNC NORTH DAKOTA 1-800-437-2077 1-800-472-2100(i) OHIO 1-800-848-1300 OREGAN 1-800-547-7842 PENNSYLVANIA 1-800-847-4872 RHODE ISLAND 1-800-556-2484(*) SOUTH DAKOTA 1-800-843-1930 VERMONT 1-800-331-1750 operator 406 WASHINGTON 1-800-541-9274 WEST VIRGINIA 1-800-CAL-LWVA WISCONSIN 1-800-356-9508(*) 1-800-362-9566(i) WYOMING 1-800-225-5996

What about the states that are not listed? Each state has a Tourism Division at the Department of Commerce. You can write to them and they will send the map.

Did anyone listen to Glenn Hauser's <u>World Of Radio</u> program the weekend of Nov 1st? He played tapes of stations that he reported on in last month's VUD. It was a fascinating program and this listener greatly enjoyed it.

In ANARC news, the All Ohio Scanner Club has applied for membership in ANARC. I'm sure they will be accepted. In the next ANARC UPDATE I will give a profile of this club.

Another year is over. I nope it was a good one for everyone. The SFRACHMAN Family wishes everyone happy holiday and a happy and healthy New Year. Best of DX in 1987!

73's The PSymposium PSYmposium



David J. Nieman 12284 Nice Road Akron, NY 14001-9529

DECEMBER 1986

SEASONSGREETINGS**

TIME LIMIT 1% YEARS OLD

......more of Jeff Kadet's E-skip loggings from Macomb. Illinois.

Equipment: Zenith 9" B&W, Zenith 12" B&W, Zenith N1310, Zenith Y1310 (all circa 1979-1982). Channel Master 1110 with CP 3800 preamp, RG-11 at 50', Winegard 5 element low band vertically polarized at 20'.



XHAE-5 Saltillo, Coah., Mexico 1205 mile E-skip seen August 4, 1986

· XHZ-5 Cerro del Zamorano, Qro., Mexico ????mile E-skip seen August 4, 1986

STORE THE THE

Jim Pizzi of Lovington, New Mexico sent in several of his great tropo photos Sorry to say we only have room for one of them in this edition.

iko



WBMG-42 Birmingham, AL 959 mile tropo seen January 31, 1986

in

we'll start off the new year by finishing-up the pix sent in by Jim plus more tropo as seen in Akron, Ohio.....

THE HAPPIEST OF HOLIDAYS TO ALL DAVE

Bruce F. Elving, Ph.D., Editor 241 Anderson Road Esko MN 55733-9413

Happy Holidays to all who may have sent cards or otherwise extended Long-time mono holdouts KLIO, WDMG-FM embrace \$tereo greetings!

New Stations, Translators Granted

AK Anchorage 98.1 100000 h, 91000 v; 276 m AZ Payson 101.1 100000 h, v; 328 meters

CA Garberville *89.7 200 watts h,v; 2510', Redwood Community Radio CA Johannesburg 103.9 185 h,v; 1000 FL Gretna (transmitter 3km S / unincy) 100.7 3000 h.v; 330"

HI Lahaina K257CZ 99.3 (KMVI-Fili 98.3/ NC Spindale *88.7 17000 horizontal, 10500 vertical, directional, transmitter Clingman's Peak, Mt. Mitchell, 3055', "Isothermal College" [Tuls: OK Shawnee K249BO 97.7 (KCFO-FM 98.5/

VA Elkton 98.3 2400 h,v; 106 m WA Naches 96.9 3000 h.v; -770' WV Ravenswood 102.3 3000 h.v. auu' MEXICO Mexicali BJ XHMMM 89.9, 1, commercial, 900 watts h,v, 112',

not known if \$. XEV/V-FM 106.7 I, not known if \$, power unknown, but estimated at 400-900 watts BJ Tijuana XHUAM 102.5 400 w, 164, 1, \$ (same facilities as former XHFE 80.9)

New stations? Canada mysteries listed in Broadcasting Yearbook '87, but not elsewhere: BC Kelowna CKIQ-FM 98.1 12 w, 60', "duplicates Alii 100%" (r). . . NF Ganuer CJOS 99.9 5000 watts, r, same ownershin = CHOZ 94.7 St. John's ... NF St. John's CKIX-FM 98.3 100000 watts, 950', stereo?

NE Beatrice ¥785CB. FCC shows as still peing alive, with application granted for extension of time. This answers a doubt I had expressed before, when several other midwest translators owned by the same company were deleted.

On Air and DX Ready (selected) CA Delano KZAY 105.3 50000 h.v: 500' check out its music format and stereo status, those of you within DX range!

Multi-City IDs in Use AZ Oracle KTTZ 103.1 with Tucson CA Santa Paula KIEZ 96.7 adds Ventura FL Holiday WLVU 106.3 with New Port Richey and Hudson Irock format

IN Washington WRTB 106.5 with Vincennes,/ IA Humboldt KHBT 97.7 with Fort Dodge KY Cadiz WBZD 106.3 with Hopkinsville and friurray, rp; r normally, but p

8 p. m. to midnight, "The Buzzerd"

KY Central City Y/KYA 101.9 with Greenville KY Fort Campbell WABD 107.9 with Clarksville (TN) - Hopkinsville [Lakes-Wahpeton (ND) MN Fergus Falls KJJK-FM 96.5 with Detroit/ NY Cobleskill WITU with Oneonta

PA Muncy WTPS 103.9 with Hughesville (dropping Williamsport), now mr (affects one translator)

Deletions CA Garberville KERG 104.7, FCC now accepting applications from others for this frequency CA Dublin KABL-1 98.1 "Engineer at KABL has never heard of it in two years on the job. Long ago they told me they were scrapping it due to engineering reports which indicated it would do almost as much damage as good"

CA Lakeport K217AM *91.3 (replaced by K217AN Willits-Ukiah) CA fariposa K288CD 105.5 (due to duplication with KEFR *88.9 Le Grand, although Nin Los Lunes 102.3 KBBU K288CD's primary was KDNO 98.5 Delano. Nil Portales 95.3 KKHJ (from KNIT)—different ownership from that of KEFR, Nin Teos 101.7 KTAO (KVNM) but similarly formatted). This deletion was NY Canton 96.7 WVNC (from *Y/JGT), \$, inevitable because "a new 105.5 allocatgion commercial, music format not known in the area would have forced the eventual shutdown of K288Co."

OH Cleveland 98.5 W/NCX (NYGCL), "NCX,"

to stay on that frequency, and mentions no other frequency, so KCUI assumed deleted OR Baker 104.7 KCMB SC Folly Beach 97.7, station back to application PA Erie 102.3 VIJET"-FM" (WSEC); affects status along with six others

AL Jasper 102.5 WZBQ (from WWWB-FN)

AK Houston 94,3 KJHA [2 translators AZPhoenix 94,5K00 L-Frá (K00 L), affects/ CA Hanford 107.5 KCLQ (KLTK), "Classic Bock'

CA La Quinta 96.7 KBZT"-Fid" CA Los Angeles 97.1 KLSX (KBZT).

"Classics," r oldies CA Monte Rio 97.7 KinGG (grant to KCLQ set aside; remains KMGG)

CO Pueblo *90.7 KPFR FL Arcadia *89.1 WFDA

FL Bonita Springs 96.1 WRXK (WLEQ), rp, ID with Fort Pierce

FL Branford *91,3 WOLR FL Naples Park 105.5 WIXI FL Sanibel 98.5 WRWX

GA Gordon 107, 1 WOXM-FIS (WOXM) GA Mecon 105.3 WDEN-FW (WDEN; nonl)

assumed retained GA Quitmen 105.3 WGAF-FM, ID with idoultrie-Valdosta, "Star 105.3," Stereo, r ("classic hits"), ON AIR AND DX READYI Moultrie also served, interestingly, by MOFF

105.5 Camilla-on an adjacent channel! ID New Plymouth 93.1 KIZN-Fid (KIZN); nonID assumed retained

IN Evansville 104.1 WIKY-FM (WIKY); nonID setumed retained

IN Lagrange 105,5 WAEO

IA Clinton 96.1 KLIO (KLTP), embraces stereo, mr, no ID with Fulton IL, but ID with Clinton only, "K-Lite 96-Ff.;" (strict). No commercials heard during extensive monitoring, but this testimony taped and Groadcast: "96 Fkl is the best thing to happen to Quad Cities radio in some time." IA Des Moines *91.3 WDFR

KY McDaniels *91.5 WBFI KY Russellville 101.1 WBVR (apparently remaining that, not changing to WLTO); still "Beaver." Affects five not-yet-on-air trans-

KY Wickliffe 95.9 WYMC-Fin (WCRG); AM is in Mayfield KY

ME York Center 95.3 WOML AND Baltimore 106.5 WWMX (VILKR), mr with light rock; "they call themselves W-Mix-106.5' ad nauseum

MD Salisbury *89.5 WSCL MA Hyannis 103.1 WPXC MI Gladstone 105.5 WWIA (VIFMM) FM: Aff now has different calls)

MI Mackinaw City 94.3 WSSW MN Rochester "90.7 KZSE (KLSX), a stillunbuilt station, the format of which IAN Public Radio declines to identify MS McComb 94.1 V/XLT (WCCA)

MO Liberty 106.5 KLTY (KKCI), still "K-Light 106.5 FM"

IA Pella KCUI *89.1, FCC rejects station's bid also "North Coast New Flit," "N. C. Excit-

one translator

SC Georgetown 97,7 WGMB (from WLXXX) Call Letters Assigned or ChangedTN Etowah 103.1 WCPH-FM (WVKS) TX Abilene 107.9 KEYJ (KFMN"-FM") TX Amarillo 103.1 KR3N TX Austin 95.5 KLQT (KOKE-FM)

VT Rutland *90.5 WFTF VA Farmville *90.1 WLCX (WUTA)

VA Strasburg 104.9 WLSL"-FM," 200' (3000

VA Winchester 102.5 WUSQ-FM (WUSQ), non-ID assumed dropped; to 28000 h,v; 204 m WI West Salem 100.1 WQJY (WISQ); affects two translators in La Crescent MN

94.7 CHRW (not CHRU, apparently), p MEXICO Tijuana BJ 90,3 XHITZ (not XHZ), sitll with Muzak SCMO

Stereo - or to be Stereo

AL Brewton WYJD *90.9 r, "Y-91" ("seems strict"), has weekly classical show, too, but not enough c to warrant a dual format

AZ Flagstaff KENR 97.5, b, with "clean

AZ Parker KMDX 99.3 no stereo, remove \$ listing

AZ Prescott Valley KIHX 106.3, "Kix-106," affects two translators

CA San Clemente KV/VE 107.9, "but they don't always have it on due to their mono g programs"

CA Santa Margarita KWSP 106.3

CO Delta KLUR 95.1 CO Guray KURA 104.9 FL Starke WTLG *88.3

GA Douglas WDMG-FM 99.5, now "Stereo FM-99"

IL Champaign WEFT *90.1, FCC grants dual studio-to-transmitter link, which means \$; completion of new construciton permit not done, unlike what was given in VUD last

MI Houghton Lake 98.5 WJGS"-FM" (WJGS- IN Linton WQTY 93.5 drops \$, now mono. now k, "Cutie Country"

LA Jonesbaro-Hodge KTOC 104.9 no \$, remove \$ listing. . . "station has had bad technical and personnel problems, and may be sold"

MD Baltimore WJHU *88.1 cn (classical and news-four hours of daily news, as well as some weeknight "classic jazz") See Readers' Reports". Was on at 10 watts for a few days, now on air and DX ready with these

FCC-FM newly authorized facilities: 10000 horizontal 8100 vertical, 130 maters.

MD Cambridge WCEM-FM 196.3 manager was quite indignant that they were still listed as mono, claiming they've been stereo all the seven years he's been there, yet 'I recall one of my reporters claiming they are mono, despite having been listed as \$. Music format alleged to be mr. I will relist them as stereo until such time as I hear differently

NV Carson City KNSS 98.1 NV Elv KBXS 92.7, "X-93" NY Lake Placid WLPW 105.5 OK Cordell KBOG 99.3. k OK Healdton KZEA 105.5 DK Madill KMAD-FM 102.3, k PA Punxsutawney WPXZ-FM, now r[ock], "FM-105"

TX Hooks KLLI 95.9. r TX Keene KJCR *88.3 UT Kanah KCKK 101.1. "KK-101" UT Smithfield KVEZ 103.9. rp

UT Trementon KKVU-FM 104.9 has stered generator, but mono programming, rm, so remove \$ listing

VA Farmville WFLO-FM 95.7, 40000 h,v (340') WY Rock Springs KYCS 95.1 AT Fort McMurray CKYX 97.9

PQ Fermont CFMF 103.1 *************

Not in stereo-delete \$ listing: CA Stockton KSTN-FM 107.3 "they once more register as simple mono. Horrible buzz in audio during each \$ episode has caused me to suspect it's just noise confusing the tuner"

NonIDs often used in Lieu of Calls on p. 121 "Fif Atles") AL Chickasaw WDLT 98.3 with Mobile, m, nonID assumed dropped

AL Mobile WKRG-FM 99.9 FM-99.9, now top hits (r); ID with Pensacola FI

AZ Apache Junction KSTM 107.1 The Storm AZ Arizona City KXMK 106.3 Cosmic 106, r (I Sunday nights), not known if \$

AZ Globe KEYX 100.3 Key-100.3, rp, \$ AZ Sun City KONC 106.3 Concert 106, "c 24 hours, with good coverage, but heavilyprocessed sound and an annoying hum. And KXMK Arizona City gets out well, so the

two compete harribly in SE Phaenix" AR Hot Springs KQUS 97.5 US-97, still klountry

CA Bakersfield KIVI 92.1 Keewee CA Needles KWAZ 97.9 K-West

CA San Diego KLZZ-FM 106.5 California Classics (sold to Edens Bostg., effective around Jan. 1), so there may be further

CA Yucaipa KLRD *90.1 K-Lord, g CO Avon KZYR 103.1 Z-103

FL Ocale WMMZ 93,7 Z-93 "on 10-21-85 they changed from k to 'Hits of 60s-70s-80s, Fresh NewSound of North Florida'; 'FNS' didn't last a year; I guess they should be ralled ton hits new"

L Serasota WHVE 102.5 still Wave, 507 m (100000 h.v)

FL Tallahassee WBGM-FM 98.9 still FM-99, mr GA Adel 'VDDQ 92.1 Classic-92 Q, r

GA McRee WDAX-Fix 95.3 Fix-95 (from Dax),

IN Terre Haute WMGI 100.7 Magic KS Newton KOEZ 92.3 Easy-92, ID with Wichita

ME Lewiston WAYU 93.9 drops "94-Rock," since station is now k [ountry] ME Portland V/GAN-Fix 1029 FM-103 (from

Stereo-103)

MA Lawrence WCGY 93.7 The Rock Garden ("resurrected")

MA New Bedford WJFD 97.3 Radio Globe-O MN Virginia WHL8-F./ 107.1 Arrowhead Country FM. now k, "Arrowhead Country" is what northeastern all is called, just as the Starship 105 is K288BA!

facing VII area is "Indienhead Country" MS Vicksbury WSTZ 106.7 Z-106 NV Henderson KLSQ 95.5 Classic Soft Hits, rm KMZQ 100.5 Classy-100 (strict); actual calls unknown; one reporter spent the on-

hour period trying to hear them and they
AZ Lake Havasu City K240AZ 95.9 has KFMSfailed to identify! NH Concord VKXL-FM 102.3 All Hit Stereo 102 6 NH Dover WOKQ 97.5 no nonID, says 'WOKQ

97.5" NY Albany WGNA 107.7 no nonID

Pittsburgh id PA Braddock WMYG 96.9 Magic-97 PA Clarion \VCUC *91.7 U-92, r PA Du Bois WDBA 107.3 Life-107

PA Indiana WOMU music-103, r PA Pittsburgh WHTX 96.1 Hit Radio 96 WPTS *98.5 New Music FM, pr, some i WDVE 102.5 DVE PA Sharpsville WMGZ 95 9 7-96

PA Tyrone WGMR 101.1 GMR-Fill RI Providence WPRO-Fili 92.3 92-Pro-Fili TN Elizabethtown V/USJ-FM 99.3 US-99

TN Hendersonville V/QQK 92.1 Power-92 TN Nashville WZEZ 92.9 EZ-93 (not EZ-92) TX Laredo K.IBZ 92.7 Z-93, r KOYE 94.9 Y-95

TX Pasadena KKBQ-Fit 92.9 93-Q (not 93-TX Wichita Falls KNIN 92.9 just uses calls now AR Springdale K224AW (from Fayetteville), but

WV Morgantown WNVU *91.7, View-92, pj WCLG-FM 100.1 CLG-FM WY Casper KGRQ 94.5 Q-94 (not "WGRQ," as signal noisy"

CA Montalvo K272CB 102.3 is on the mainland,

FMistakes—10th ed. FM ATLAS

Atlas as on the instance CA San Jose KSJO 92.3 113 m, transmitter AR Fort Smith p. 36, 92, 92.7 KHLTt

(not KLPQt) MN Aitkin KEZZ 94.3 (not 99.3./ MO Montgomery City, 8-86 VUD, calls should be KOMC (not KOMC, which

is in Dyersville (A) NV McDermitt map p. 68 and list p. 108 106.3t is for KFML, not KFXD-FM (Namna III)

OK Muskogee p. 112 KRLQ 93.1 add/ OK Potsau 97.9, 9-86 VUD, list calls as KZBB, not KZZB (KZZB is in Beaumont TX)

VA Staunton add format for WSGM 93.5, rp (p. 119)

ON Sudbury p. 124, 90.9, \$tereo symbol missing

MEXICO, Piedras Negras 99.9, p. 62 shows XHSG, p. 126 XHSB. XHSG is correct.

See also Nov. VUD for: FL Clearwater WKRL 97.9 r format, Fela, p. 40 FL Hialeah WCMQ-FM confirmed on 92.3 (having moved from 92.1), Hauser, p. 23 FL Naples WSGL 103.1 r format, p. 40, Fela PA Harrisburg WSFM 99.3 Sunny-99 nonID, KY Morganfield WhiSK-FM 95.3 300' (3000 h.v) NU Newport WZYC 103.3 Z-103, Fela, p. 40 Fela, p. 40

TX Andrews KACT-FM 105.5 k format, p. 32, Merrill, not known if stereo VA Warrenton WORA 94.3 Sunny 94 noniD,

Fela, p. 40 MEXICO, Mexico DF XHIMER *94.5, c, apparently a new station; stereo status, power unknown, Hauser, p. 25

Veracruz XHVE 102.1 r format, Pizzi, p. 22 XHCS 103.7 60000 new, not known if \$, Hauser, p. 25

new, Hauser, p. 24

Facilities Changes Granted AL Carrollton WAQT 94.1 990' (98000 h,v) AZ Bullhead City (from Searchlight NV)

December, 1986 K 2058G *88.9

AZ Cottonwood K265BU 100.9 has KKLT 98.7 Phoenix on it (not KNIX-FM 102.5 Phoenix) AZ Flagstaff K292DF 106.3 has KUPD 97.9 Tempe (not KDAN-FM, still unbuilt, Wil-

FM 101.9 Las Venas NV (not KKFR 92.3 Glendale AZ) K296CH 107.1 has KXTZ 94.1 Henderson NV (not KYRK 97.1 Las Vegas NV)

AZ Mingus Mountain (from "Mingus Creek") K221BD 92.1

PA Beaver Falls WAVKS 106.7 Kiss-106.7, adds AZ Prescott K265CI 100.9 assumed to have KANJ-FM 101.5 Phoenix on it, not KDKB 93.3 Mesa K288BA 105.5 definitely has KDKB 93.3 Mesa, not KAMJ-FM, dual translator ID with K221AY Flagstaff, "Starship 105." and takes \$ off when translators break away for their local on-the-hour announcement with commercial. AZ Summerhaven K292CH 106.3 now has

> Payson AZ Tucson K269CY 101.7 has KTTZ 103.1 Oracle on it, not KQEZ 103.9 Coolidge AR Blytheville KHLS 96.3 100000 horizontal 50000 vertical, 350' (should finally move from 96.1)

KUPD 97.9 Tempe on it, not KKJJ 103.9

AR Hot Springs K276BQ 103.1 has KGAP Gurdon on it, not KCFO-FM 98.5 Tulsa OK "it is also audible in nearby Fayetteville, though mountains there seem to make the

but transmitter correctly shown in "FM

Coyote CA (50000 h,v, directional) [as on p. 50 map) CA Tahoe City KRZQ 96.5 850 h,v; 904 meters CO Colorado Springs KRCC *91.5 1000 h,v, directional (2100')

CO Pueblo KKMG 98.9 369 m or 1210' (100000

CO Security KWYD 105.5 60 watts h.v (2230') DE Milford WAFL 97.7 100 m (3000 h.v) [format: rFL Homestead WRFM 95.7 299 m (100000 h.v). class C1

FL Port St. Joe WJST 94.5 302 m (100000 h,v) FL Springfield WVBM 95.9 100 m (3000 h,v) GA Atlanta WRAS *88.5 100000 h,v; 133 m GA Neshville WJYF 95.3 450 h,v; 243 m

iD Mountain Home KJCY-FM 99.3 290' (3000

IA Clarion KRIT 96.9 100000 h.v (adds vertical): 173 m. This is the change Robert Baker mentioned last month, which would put KRIT's tower closer to Humboldt and Fort Dodge.

KS Ottawa KHUM 95.7 97000 h,v, directional, 265 m, class C1

Corbin WCTT-FM 107,3 (from 107.1).

50000 h,v; 150 m KY Henderson WKDQ 99.5 100000 h.v (920') KY Louisville WDJX 99.7 24000 h,v (490') LA Monroe K244BX 97.7 has KTRY-FM 94.3 Bastrop on it, not KCTO-FM 103.1 Columbia ME Bangor WPBC 92.9 20000 h,v; 239 m

MD Salisbury V/ICO-FM 97.5 330' (3000 h,v) MI Portage 107.7 152 m (500'; 50000 h.v); reversal of original decision for this new station in favor of a different applicant MN Minneapolis WCTS *100.3 95000 h.v. directional, 332.1 m, transmitter at Nowthen MN (same site as KMGK 107.9 Anoka MN):

on air with these facilities Hauser, p. 25
Villahermosa, Tab. XHSAT 90.1 30000, \$, NE Lincoln KRMU *90.3 adds v, 100 h,v; 120'
NV Reno KSXY 101.7 (not 102.3), on air, "Sexy Radio. . . if you like KOH, then you'll love Sexy Radio," format and stereo status unknown

NY Amsterdam WMVQ 97.7 330' (3000 h.v)

FCC-FM NY Garden City WLIR-FM 92.7 directional (Jared Bosty, to take over license): 1000 h.v.: 520' same tower site as picture. last month RY Patchogue WBLI 106.1 150 m (10000 h,v) NY Southold WBAZ 101.7 2700 h.v: 340' NC Charlotte WRGQ 95.1 1670' (100000 h.v) OK Durant KAFiil 97.5 (from 97.7) 45000 h.v. 515', Class C2 OK Shawnee K272BX 102.3 has KKLR 97.7

Edmond on it, not KCFO-FM 98.5 Tulsa (see new stations granted) OR Enterprise KWVR-FM 92.1 -625' (3000 h.v) OR Pendleton KRSM *90.9 25000 (h): 203 m PA Harrisburg WMSP *94.9 25000 h.v. 213 m. retains directional antenna-transmitter to

Blue Mountain, Summerdale PA PA Scranton WEZX 107.1 190 h.v (1270') SC Florence WJMX-FM 106.3 1100 h.v: 160 m. SD Sioux Falls KAUR *89.1 adds vertical. 680

h,v; 56 m TX Fort Worth I DLZ 107.5 25000 h,v; 502 m TX Marshall KBWC *91.1 adds v, 34 m (135 w) VA Colonial Heights WKHK 95.3 1600 h, v; 450' VA Manassas WBMW 106.7 directional

VA Pulaski WPSK 107.1 200 h.v (1210') VA Richmond WRXL 102.1 remains 140000 h.v: 320'. Did not complete co for 20 km at 785'... "when they found out they were losing their grandfather clause by moving more than a mile from the present site. They now plan to build where they are to the equivalent of 140,000 watts at 320'." WV Martinsburg WVEP *88.9 3600 (h); 495

meters WI Wisconsin Rapids WVRW 103.3 100000 h.v; 865'

VI Christiansted WSTX-FM 100.3 50000 h.v; 323 m

SCServices, 57, 67 and 92 kHz

CA El Caion KECR *93.3 telemetry, 67 kHz CA Escondido KOWN-FM 92,1 receives Muzak rebroadcast from XHITZ 90.1 Tijuana (calls corrected from XHZ)

CA Oceanside KGMG-FM 102.1 57 kHz ARI. 67 kHz †U telemetry

CA San Diego MCDS *88.3 Multicomm, 92 kHz (1Y)

KFSD 94.1 57 kHz ARI traffic alert

KSON-FM 97.3 67 kHz +X (Pocket Quote stock data system), 92 kHz R, "Lifestyles fore- and background music on multiple channel AM system"

KGB 101.5 †S "occassionally transmit KPOP audio for remote air monitoring" KJQY 103.7 may add "Musicale" foreground in the future (retains "Musicale"

background music 67 kHz) KLZZ-FM 106.5 possible paging within 6 months; sale to Edens Broadcasting pending IA Burlington KGRS 107.3 †Z (frequency shift

data, 67 kHz) MN Minneapolis WAYL 93.7 1X 67 kHz (low level injection data)

MN Northfield WCAL-FM *89.3 †1 (remote cueing, to be in use after 1-1-87 most mornings 8:00 to 10:00 with talk, carrier to mute between messages)

MN Rochester KROC-FM 106.9 †Z (FSData) 67 kHz; † X ("normal" data) 92 kHz

NE North Platte KELN 97.1 Common Carrier Bureau of the FCC reaffirmed KELN's right to continue offering voice paging at 92 kHz over the objections of Con-Tac Communications (67 kHz retains 1 X data)

NY Albany WHRL 103.1 no 92 kHz (had Mutual network relay; looking for another use for its 92 kHz); main channel format claimed not v to be "b"

Formats AL Huntsville WAHR 99.1 k (only) AZ Bullhead City KCRR 102.7 m AZ Casa Grande KBBT 105.5 r (top 40) AZ Flagstaff KMGN 93.9 r, "Magic

ECPAct Passed 93.9," affects three translators AZ Lake Havasu City KZUL-FM 105.1 r, "Casual," this despite having a "hard rock format" AZ Marana KXMG 98.3 [[atin] , Spanish. with Spanish announcing AZ Nogales KAYN 98.3 rm (rock and middle of the road music) AZ Oracle KTTZ 103.1 rp (album rock) AZ Page KXAZ 93.5 r, "Z-93"-not '95.3" as given on p. 92 "F / Atlas"

AZ Phoenix KKLT 98.7 rm. affects 1

translator KLZI 99.9 rj, with all-nite jazz AZ Prescott KAHM 103.9 b[eautiful] AZ Tucson KWF# 92.9 rm AZ Yuma KYXI 100.9 r savs one reporter, but Pete Nolan's "M Street Journal" says it is a Format 41 station, which would mean m. I tend not to believe it is Format 41, at least out all the time so will call if r as our reporter heard it AR Brinkley KOMC 1823 rlock AR Favetteville KKBG 92.1 rp AR Sheridan KAUL-FM 102.3 s[out] CA Colusa KTMX 107.5 r. \$tereo CA Escondido KOWN-FM 92.1 mr. "All your favorities with a touch of jazz"

CA Indio KCMJ-Fill 92.7 r. "Classy 92-FM" CA Los Angeles KNX-FM 93.1 rm CA Madera KOMD rm, 'Q-92"

CA Diverside KDUO 97.5 m (now more up-tempo, with more vocals) CA Rosamond KAVC 105.5 g, \$, affects one translator

CA San Bernardino KOLA 99.9 r (CHR) CA San Luis OLispo KCBX *90.1 j, no c, affacts three translators CA San Diego KPBS *89.5 ct (classical and talk), affecting 1 translator

KIFM 98.1 rj, "Rocking softly by day and lights-out jazz by night' CA San Mateo KCSM *91.1 ic. "replacing their all-night c with i but still has shout two hours a

in the marning CA Santa . Ionica K CR\V *89.9 ic. affects

two translators CO Colorado Springs KKFM 96.5 r. one translator "mostly oldies" CO Denver KMJI 100.3 rm, affects/ KOAQ 103.5 rm

CO Fruita KEK8 99.9 k. \$ (error p. 96

FM Atlas, is not 93.9) CO Rifle KDBL-FM 105.3 rm FL Fort Pierce V/KGR 98.7 ri FL Lakeland WVFM 94.1 b

FL Orlando WUCF *89.9 c[lassical] and p[rogressive] V/BGW-Firi 105.1 sr. "simulcast with AM 950"

FL Tampa WUSA-FM 100.7 rm GA Albany WJIZ 96.3 sg (soul and/ WGPC-FIA 104.5 b GA Atlanta WVEE 103 3 ei

GA Cochran WDCO-FM *89.7 ci, has NPR's "Jazz Thru the Night"; not sure if other GA public stations have this feature WVMG-FM 96.7 k

GA Liouitrie WA:TIA-FM 93.9 k (pply) IL Chicago WFYR 103.5 m (except for "Goldies" weekends and Larry King at night) IL Mount Carriel at YER-FM 94.9 r

(same format as WNVI 106.1 North Vernon IN) IN Danville WATI 107.1 k IN Vincennes WFML 96.7 k KY Owensboro WBKR 92.5 still k.

and "I doubt if they change" SCA for telemetry [Jackso MS Gluckstadt WEQZ 101.7 r, adds/ [Jackson to ID |aw therefore should take effect early in

19

MO Kansas City KCPW 94.9 r NV Carson City KWNZ 97.3 r. "K-Wins," affects three translators NV Reno KRNO 106.9 rm, affects 1 xltr NV Sparks KROI 100.9 rm, "Kroy-Fix 101" NJ Vineland WVLT 92.1 m NC Claremont WPAR *88.1 g. on air (10000 not known if stereo) NC Durham V/XDU *88.7 ci. some p OH Alliance WREIU *91.1 pc OH Youngstown WOOD 93.3 r OK Idabel KWDG 96.7 r PA Benton VBNE 95.9 r

PA California WVCS *91.9 r PA New Kensington WXXP 100.7 rp PA Pittsburgh WRCT *88.3 pi WIT1929 rm WPIT-FM rg PA Slippery Rock VISRU *90.1 r (\$) SC Charleston WXLY 102.5 rm ("Goldies") SC Greenville WMUU-FM 94.5 bg, "lots of gospel programming on

((aldies): not on yet "syck dage" TX Houston KUHF *88.7 c. dropping i 1-1-87 UT Bountiful KLZX 99.5 to be r/ UT Brigham City KSOS 106.9 rm. "K.107"

UT Cedar City KCSD 92.5 r (CMR), "Kissed F A," affects 3 translators UT Centerville KCGL 105.5 g (was p briefly); affects 1 translator UT Logan KVFM 94.5 r (CHR) UT Ogden KJON-Fiá 95.5 r (CliR). esii "K IO"

UT Price KARB 98.3 r (CHR) UT Provo KBNG 94.9 m UT Spanish Fork KBER 106.5 rp VA Charlottesville WTJU *91.3

pc (some i) WUVA 92.7 rlock) VA Mechanicsville V2ZR 92.7 rs. believed to be mono for better rim-shot coverage into Richmond

VA Tappanhannock WRAR-Fis 105.5 r VA Woodbridge WCXR-FI 105.9 r, "classic hits" [104," not known if \$
WA Spokane KVXO 103.9 r, "Power/ WV Wheeling WKWK-FM 97.3 r

WOVK 98.7 k WY Chevenne KF80 97.9 r (CHR) WY Greybull KZMQ 100.3 k, not sure if \$ WY Laramie KRQU 102.9 rp PQ Gaspe CJRG 93.3 m

Readers' Reports and Other FM-Related News

You can still legally listen to SCA-at least for now! The ECPAct passed, and its full implications are not known, I hear Reagan signed the bill, and the Senate judiciary committee is about to issue directives, telling us what the law really gospel) means-what we can listen to and what we cannot listen to. I am afraid to leave my radio-listening freedoms hostage to a Senate committee, and have written ANARC's Washington liaison to not cooperate with this committee. It is better that the law stand as is, rather than have another agency of the government further take away our freedoms as listeners to FM subcarriers, FM stereo, scanners, certain satellite TV feeds, all of which are now forbidden. According to the bill's prohibition against tuning into subcarriers, even tuning in television is illegal, since TV uses audio and video subcarriers. Yes, it is a woncerful law, and it must be allowed to stand 100% or fail 100% - nothing in between, like I am sure the Senate will try to come up with. The ECPA is to be in effect 90 days after Reagan signed the ME Caribou WCXU 97.7 rm, not known if \$ measure. Exact date of signing not known, MN Bemidji KBHP 101.1 k, open carrier except that it was early October, and the

. FCC-FM

January.

Also forbidden are surreptitious devices-- electronics hidden in something else. This means you cannot own a stuffed animal having a radio inside.

So for now, until early January, enjoy your FM/SCA radios, your scanners, your FM stereo your color TV, and your stuffed animal collection. After that date, be prepared to turn in your "illegal" equipment to Scrooge McGoverment.

One of my customers for electronic equipment asked if 1 maintain a list of customers, for he is fearful of government finding out who has SCA and similar equipments, soon to be outlawed by the ECPA. I told him that I have no intention to falsify my records, they are all here for anybody with a legitimate reason to see, but that the records are not specific as to what the customer got (and are retained for only three years). Whether I continue to sell FM/SCA devices after early January is open to question. I do not intend to be a law-breaker. but it is legislation like this which can do much to turn ordinary citizens into criminals--and the legislation is as pernicious and as potentially unpopular on a long-term basis as the 55-mile-per-hour speed limit. My concern is both for the hobbyist and the person in the SCA business who wants a source of low-cost, readilyavailable radios. I am afraid this law will unduly handicap the companies in the business, retard research and development, and in the hush-hush environment that is sure to develop, impede the flow of information as to what is going on in this technology. And you know how broadcasters like to copy one

You can get my new "FM Atlas Catalog No. 8" for 1986-87 by writing me. I can give a better price to DXers than in the catalog for the Magnum/Dynalab FT-101 digital/analog FM tuner. Instead of charging \$470, your price would be \$370 unmodified, or \$410 with an FM/SCS modification built in. I hope to do a review of this tuner in an upcoming YUD. This is a limited time offer, and my continued ability to offer some of the articles in the catalog is open to question.

A long-time SCS listener is John Ebeling who may be able to "lay claim" to be either the world's first (or one of the first) listener to a program via SCA that I could not receive over AM radio. On Saturday, Oct. 25 at about 10 a. m., I tuned in WHLB 1400 AM in Virginia MN [from cabin at Prosit MN]. I was trying to listen to a regular Sat. a.m. show featuring 'Classic' country music on a show known as Bobbie Time. Even at 10 a. m. AM reception was heavily plagued with interfering stations, résulting in very poor AM reception, I therefore switched on the old tube unit (SCA) that I have in the Zenith console at the cabin, and tuned in WHLB-FM. The program was very listenable on the SCA channel for the two hours that I listened. I should write WHLB and thank them for carrying AM on the FM SCA. (SCAM?)!"

FM stations' outreach limited by translator. John feels that the move of KDNW Duluth's Moose Lake MN translator from 88.5 to *91.9 was a mistake. "I usually listen to KAXE 91.7 [Grand Rapids MN] on Sunday nites as they have a big band type of show. Now on the way home one gets a good splattering in the Moose Lake area from this xitr. I can usually get KAXE all the way to Hinckley, except for the mess for about a five mile stretch near Moose Lake. Of course, it would also screw up a relatively good KCMP-FM 92.1 Pine City signal.

Maryland's W.H.U. *88.1 boasts state of the art studios. This new, largely clastical formatted public station at Johns Hopkins University finally made it on the air. "The rooms are lopsided, the halls twist, and the windows tilt. There's not a right angle in the wholeplace, but that's the way it's supposed to be," starts off an article in the JHU magazine, sent by Robert Baier. Architects were deliberately called on who had no experience designing radio studios-so they'd have a fresh approach to designing studios close to a heavily-traveled Baltimore street, and in an older building.

Pittsburgh's Marty Barvinchak would not like to see more Christian formats in this column and the "Atlas," but more rock formats, such as:

a: album oriented rock p: progressive rock/new music

r: rock including hits and oldies, adult contemporary,

easy listening rock (and contemporary Christian?)

"I think many (most?) VUD readers/contributors are aware of these format difference based on what I read in the DX columns, so wi.y not try it out on them in the VUD? The response might be interesting. The change wouldn't be dramatic and the FM Atlas listings could be modified easily on the computer by changing all p listings above 92.1 to a, which

/EP flounders December, 1986 would probably be over 90% accurate. But wouldn't the changes be meaningless? I don't think so over the long-run. For example, WXXP 100.7 would be the only station in the commercial band here which would share a 'p' (ap, according to the above). And, yes, this station sounds significantly different than WDVE 102.5 or WYDD 104.7. A few issues from your July column:

"I agree with Glenn Hauser-it depends on what's being modulated (programmed) in the AM vs. FM debate. Does FM really still sound better? It should BUT: They've compressed it up over the limit and then limited it back down! Thus zero dynamic range. "They've boosted the highs and lows horrendously to compensate for car radios and portables; then play material which was equalized in the same manner-double whammy! • They've 'blended' the stereo in all sorts of obscene ways to achieve better 'balance' (i.e., equal loudness on both channels). They've ignored distortion-it helps add volume to 'get out'. They do all this to play the same 2 dozen songs. Can't have variety now that the markets and dollars are bigger. So would I choose AM over FM for considerations such as programming? Certainly-I don't have the choice here now, but if you give it to me, I'll take it. (P. S. To all those of you who think you CAN get true hi-fi sound in a car, even with a Delco/Bose, dream on!). . . 'Contemporary Christian' is a big musical category now, You'll also find it on many religious TV stations, and WPIT-FM 101.5 Pittsburgh is now almost 50% contemporary Christian music (see Formats, above),"

Marty points out that WYEP *91.3 Pittsburgh is off the air, and apparently has been off for quite some time. This leads him to wonder about WYEP's future. Maybe WRCT should try to take them over!

"The Miami history in November's column interested me in preparing my own. So, here is the enclosed. I may eventually try to expand it out to the more suburban stations."

Pittsturgh FM Radio History										
Freq.	1969	1980	Other	Current						
88.3	WRCT	WRCT		WRCT						
89.3	WQED-FM	WOED-FM		WQED-Fid						
90,5	WDUQ	MDUQ	WDUQ							
91.3				(V:YEP?)						
91.5	-	WYEP		••						
92.9	KDKA-FM	,WPNT		wLTJ						
93.7	WKJF (b)	///JOT (P)		V/B.ZZ (r)						
94.5	WWSW-FM	WW.SW-FM	WPEZ, 70s	WYSW-FM						
96.1	WTAE-FM	WXKX .		WHTX						
96.9	WLOA-FM (c)	WEEM	WHYW	WHYG						
98.5		-		*WPTS						
99.7V	VJAS-FM	WSHH		WSHH						
100.7	WNUF-FM	WNUF-FM	/ACCF	WXXP						
101.5	WPIT-FM	WPITEM		WPIT-FM						
102.5	KQV-FM	WDVÉ		WDVE						
104.7	WYDD	MADD		WYDD						
105.9	WAMO-FM	WAMO		WAidO						
106.7	WBVP-FM	WWKS		WWKS						
107.91	WEEP-FW	WDSY		W⊃SY						

Stations in 1969 that duplicated their AMs: KDKA-FM, WWSW-FM WTAE-FM WPIT-FM KOV-FM and WFEP-FM

Nick Lombardi is proofreading the FM Atlas computer print out for Georgia and says, from looking at last month's DX reports, p. 35, that WFOX 97.1 is actually "Fox 97," not "Foxy." I now have the states in the computer alphabetically, AL through NC, so if anybody wants a computer list to proofread and keep let me Know. Limited only to the state where you live

Stations not yet on the air, as determined by John Jefferson, on his recent trip to southern CA and AZ: K292DI Gonzales CA, KAGR 107.1 Ventura, KMRO *90.3 Camarillo, KHYE 105.7 Hemet (still on 105.5), KROR 106.9 Yucca Valley, KORS 102.3 Desert Center, K204AH, KPRX 89.1 and KRKE 91.3 Bakersfield, and KYIA 90.1 Goshen, all CA. Arizona no-shows: KAYM 98.3 Yuma, (new) 107.5 Tucson, KIAI *89.5 Phoenix, (new) 103.5 Glendale, KUUK-FM 105.5 Wickenburg. KEPT *90.7 and K244CN Prescott, K265BU Cottonwood, K275AV, K276AZ and K288BP Seciona, KHIM *91.1, K237BD, K280BY and K296DB Flagstaff, KRIM 95.1 Winslow, KRBZ 92.1 Tusavan (which is an ancient ruin, not a city!), K226AA. KDAN-FM 96.7 and K265CE Williams and K209AN, KZZZ 94,7 (still on 92.7) and KAWA 105.9 Kingman, "K26AA and K265CE Williams AZ may never show; KAFF and KMGN are so solid in Williams I can't conceive of any use in those translators: the former would just get in the way.

"...KKOR (Core) 94.5 Gallup NM heard both in Flagstaff and later at the Grand Canyon with r, so must be at 1250 now. Also at the Grand Canyon, KCKK 101.1 Kanab UT, KRSJ 100.5 and KIOX 101.3 Decayor CO, K292DO Rural Garrield County UT, KMZQ (Classs 100-strict!) 100.5 Henderson NV, K206AM and K218BD Washington UT and KZEZ 93.5 St.

George UT all were heard. Strongest signal there was from KISZ 97.9 Cortez CO by the way. And in both Ludlow CA (a most forgettable community [?]) and Barstow, K292DK Pahrump NV was heard with KXTZ Henderson, A call confirmed that they have only that translator on 106.3. That's 100-mile reception, and at Ludlow a fair signal on the portable! My contact at KXTZ guessed it might be 1800' aat; my guess is higher yet. KNAU Flagstaff, by the way, was also heard in Barstow: 300 miles on rabbit ears... K261AR 100.1 Saratoga CA now on the air...Mono holdouts are: KKUP 91.5 Cuprtino, KRRF 89.1 Santa Rosa KVIK 91.5 Travis Air Force Base KBES Ceres, and KSTN-FM Stockton. Also: KCRH 89.9 Hayward (not heard in several years, but may still be alive under KCDS Angwin and KEFR LeGrand), KBDG 90.9 Turlock (buried under KXPR Sacramento, which is now on 24 hours), KYDS Sacramento, KTHO-FM 102.9 South Lake Tahoe, and KSFH 90.5 Mountain View (believed to be mono, but not heard in years), Also mono: KBOB 98.3 West Covina and KMAX 107.1 Arcadia.

"Both KCEA 89.1 Atherton and KVPR 89.3 Fresnobroadcast surf sounds between sign off and sign on. KVPR's schedule is 4 surf. Sounds between sign off and sign on. KVPR's schedule is 4 89.1 Bakersfield is still 30 or more days from sign o; they're having trouble with the microwave realy site from the Fresno studio to Round Hill near Oildale. That's currently the site of K215AO, but it is fed from K208AR Bakersfield (on the Bakersfield City College campus). Both translators will shut down when KPRX signs on, and will be relocated somewhere in the mountains, with Lake Isabella a prime candidate."

Scott Hood, who reads this column, thinks most DXers like station listings by frequency, and would like to see everything dumped into an 88-108 mHz order. And he'd like to see a listing by call letters, and formats by frequency, rather than by geography. And he likes the idea of a listing of FM translators by originating station, Elving responds: I personally like the geographical order, both for this column and for formats. But if I step down as editor, should my newsletter duties take precedence (and which I foresee happening sometime in 1987). then a new editor might want to adopt Scott's suggestion. I may very well have room for formats in the by-frequency part of the Atlas, depending on how the computer formats the data, but no promises! That would mean double entering of data, a time consuming process, not made easier by the computer, which has a limited buffer area, and not capable of great alphabetical manipulations. But with 90% of all commercial radio being "r or "k," how valuable would formats be in the frequency section?

David Sinclair sent a brochure

YOUR CBC

showing how 9¢ a day buys a Canadian one day's programming on CBC radio and television. The English stereo radio network is listed as having 16 CBC stations and the French stereo network 6 CBC stations, each on 8,700 hours a year (24 hours a day). Allen White, 24, was caught operating a pirate FM station, "TNFM" on 100.3, from Saltspring Island, between Vancouver and Victoria. He developed quite an audience for his FM rock station, until he went onto shortwave and U.S. investigators got the Canadian authorities after him. Now he wants to make it real, and try to convince the Canadian authorities to allow him to have a licence. The article David sent quoted Bruce Drake, Pacific deputy director, Canadian Dept. of Communications: "Broadcasting is regulated and there isn't space available for anyone who thinks they'd like to start up a radio station. There's a procedure you have to go through first. It should be noted that the CRTC does have provision for non-profit stations. He (White) does have the option of going to the commission and getting the authority for a low-power community channel similar to the co-op FM radio staiton in Vancouver," Drake said this was not the first pirate radio station closed down in BC. "We closed one last year in Vancouver. We get one about every two years." David "enjoys this column very much" and realizes "this is a lot of work" produce.

Danny Buntin sent much station news from his area,

including a report full of translator and local station news from John B. Manuel, Ruston LA, Danny "looks forward to rejoining the VUD staff. . . I think your Olde English type is harder to read." And I like when you travel and keep this column in mind. Wendell Ford shared much station news from a trip he took to FL. And Another traveler, who shared much station news, is former WTFDA executive Clare Ingram, who traveled to CO and UT, areas where few, if any local reporters live. He recently got a club bulletin. "On seeing in the Atlas that WTFDA HQ had moved one more time, to Buffalo, I finally sent for a sample. ... FCC-FM News, as in my days with the club, looked superb, as did the TV companion column. . I was surprised at the number of column headers from my era still being used to this day!" Tim McVey is getting settled in the Washington DC area, and sent some preliminary news. I appreciate Tim, who is busy moving, taking the time to write with station information, as I do the travelers who report.

Waldo Bishop bought a new tuner that he likes very much, a Kenwood KT-917, "analog, believe it was produced in '79 or 80. Went in to order a T-9090 - owner said he had something that might interest me in the warehouse. He had bought 3 of them several years ago, sold 2, never could sell the 3rd, It's a quality piece of work-weighs 33 lbs. It outperforms the Kenwood KT-7000 that I had 15 years ago - thought I would never see the equal of it." Usable sensitivity is listed as 1.9µv, and alternate channel selectivity in "narrow" mode at 60 dB (300 kHz).

Shades of the 60s? More and more AM-FM stations now simulcasting. WPHD 103.3 Buffalo simulcasts 24 hours a dwith WPHD 1400, as co WHTT-FM 104.1 and WHTT 1120 AM Buffalo. ABC's David Alpert sent an article, "Polyglot Station Broadcasts in 14 Languages," describing WNWK 105.9 Newark. The station is headed by Guy LeBow, running it as a trusteeship until the FCC awards a permanent license. As a condition, it gives 80% of its profits to community agencies. The station grossed \$1.7 million last year, mainly from brokering foreign language programs.

"I saw your article about AM in Racio World, and the ensuing nasty letters in the following issues. You picked the wrong magazine to declare the 'death' of AM, as a good many of their readers are these 'old school' engineers to whom AM is the only 'real' radio,' says Mike Friend, who claimed that program test authority at WIAV 96.1 Cape Charles VA was revoked by the FCC. "A long story," he says, so I wrote and asked if he'd tell the "long story." One source had Pat Robertson's hurricane veering off and knocking down the WIAV tower.

W. M. Beckett says KERB-FM 106.3 Kermit TX is on the air and NOT STEREOI W. R. McIntosh sent several items, two of which concerned KLSX 97.1 L. A. turning oldies, or "classics," rock, with other stations increasingly playing oldies music. The other stations include KMET, KNX-FM, KLOS, KRTH and KROQ. This has record company people and recording artists upset because of a comparative lack of airtime for new songs. In an effort to bolster morning ratings against KIIS's (102.7) Rick Dees, KPWR 105.9 has hired stand-up comic Jay Thomas as deejay. Thomas views on drugs go something like this: "I mot big on giving speeches or anything like that, but I think if you're dumb enough to do something that II kill you, goodby." Ratings sent in by various readers. For L. A.: KIIS moves back to the top sold, but KABC AM and KPWR are very close. Next seven: KIOI 98.7 KOST 103.5, KRTH 101.1, KBIG 104.3, KLOS 95.5, KROQ 106.7.

KNX AM (Arbitron). Jacksonville, where the Big Ape continues its dominance: WAPE 95.1, followed by WIVY 102.9, WQIK 99.1, WFYV 104.5, WAIV 96.9, WCRI 107.3, WZAZ, WLCS, WPDQ, WCGI, but the biggest move of the summer, according to Arbitron, was when WSVE 92.7 (Green Cove Springs) went from No. 20 to No. 12. A slight format change was possibly responsible. "We mixed in more white artists, and took out secular crossover songs. It's completely gospel now. We took all of the fif-raff off the air," says Israel Walker, manager (gs format?). Pittsburgh: KDKA AM continues to dominate, but not by as much as before. WDVE 102.5 rose to No. 2, followed by WSHH 99.7. WBZZ

Pittsburgh: KDKA AM continues to dominate, but not by as much as before. WDVE 102.5 rose to No. 2, followed by WSHH 99.7, WBZZ 93.7, WAMO-FM 105.9, WWSW-FM 94.5, WHTX 96.1, WTKN, WJAS and WLTT 92.9, KDKA had a 13.2 Aribitron, followed by a 9.9 for WDVE.

David R. Alpert, ABC, New York NY; Robert Baker, Humbolet IA; Marty Barrinchak, Glenshaw PA; Waldo Bishop, Tallanassee FL; W. M. Beckett, Iraan TX; Damny Buntin, Stillwater OK; Bill Caldwell, Kroomo IN; John F. Combo (who writes to me at the "Carni valle"). Some of the Trian TX; Damny Buntin, Stillwater OK; Bill Caldwell, Kroomo IN; John F. Combo (who writes to me at the "Carni valle"). Some of the Trian Treds and Tidbits, Otherwise Known as FX. Alba Contributing: J. S. Dresser, Fresno Bropher, Jonos Bill Billstand S. M. Alba Contributing: J. S. Dresser, Fresno Bropher, John S. Brosser, Fresno Carlo Westvillam Fait, Painesville OH; Wendel Ford, Westville HN, Mike Friend, Moseley VA; Peter George, Wareham MA; South Hood, Beverly MA; Clarke Ingram, KZZP-FM Mess AZ; John M. Jefferson, Pleasanton CA; Bob Levy, Albany NY; Nick Lombardi, Atlanta GA; W. R. Meintosh, Granada Hills CA; Tim McVey, College Park MD; Richard Perrin, Wells ME; Keith Pugh, New Hope AL; David Sinclair, Vancouver Be; Richard Resse, Jersey Shor Paj, M. C. Sittle, Kingsport TN; Rich Toebe in CA, (who sometimes DXes in a plane with a walkman). Stephen Tolius, Thorold ON; Peter Wells, KLZZ+FM San Diego CA (who

Joseph Fela 150 Robert Place So. Plainfield, N.J. 07080 1-201-755-3852

DECEMBER 1986

Deadline: 8th of the month

As we go into the winter months, anyone who wishes to submit a bandscan of their dial can do so and it will appear on an available space basis. A bandscan (of sorts) is included in this months column. A few other bandscans, forwarded by Saul, are also on hand and will appear in the next month or two.

Also, starting with this months column, there will be a slight change in the listings. Those who wish to note call changes logged can list them in brackets - {WWMX} as an example. Scott Hood listed call changes in this manner in his last report. Credit should go to him for this idea which I feel is worth adopting. Like milages, it is an optional listing. Now for this months reports -

AUGUST 1986 5 ES 1700 WDCO 89.7 GA Cochran-Macon, Peach State Network 731 1710 WAAC 92.9 GA Valdosta, "MASON-DIXON 93" 812 1725 WAZE 92.1 GA Dawson 812 1726 WLJS 91.9 AL Jacksonville 1728 WDJC 93.7 AL Birmingham 827 1733 WTLN 95.3 FL Apopka, g 1735 WJAD 97.3 GA Bainbridge, r, "THE HOT FM" 1738 WMXX 97.7 SC Georgetown, s 1739 WKTK 98.5 FL Crystal River 1743 WMNX 95.9 FL Tallahassee 901 1747 WATV 96.9 FL Jacksonville 1750 WROQ 95.1 NC Charlotte, "HOT HITS, CAROLINA'S BEST MUSIC" 506 1755 WEGY 107.9 NC Charlotte, "HOT HITS, CAROLINA'S BEST MUSIC" 506 1756 WRDX 106.5 NC Salisbury, "X-106" 800 1757 WFWX 105.7 NC Statesville 1801 WIOK 95.3 KY Falmouth 1804 WZEZ 92.9 TN Nashville, "EASY 93" 727 1806 KZLE 93.1 AR Batesville 1809 WHTM 93.9 GA Moultrie 1811 WXID 94.7 KY Martin 1825 KWTO 97.5 AR Hot Springs 1090 1831 WCMT 101.7 TN Martin 1832 KTO 98.9 MO Kennett, STEREO 99" 1833 KASU 91.9 AR Jonesboro 936 1834 WLAF 94.5 KY Lexington, "G-93" 546 1845 KHLS 96.1 AR Blytheville 1846 WULK 92.9 KY Lexington, "G-94 ND A HALF" 546 1847 WWYN 106.9 TN Memphis, "KIX 106" 903 1852 KZOU 98.5 AR Little Rock,"Z00 98"1049 1930 KWCL 99.9 AR Lake Village 1930 KUZZ 95.9 AR Lake Village 1940 KLTR 93.7 TX Houston	BOB	SMOLA	REK -	R.D.	#1 - BOX 63 - WHITEH	OUSE S
1700 MDCO	AUGU	IST 19	86			
State Network 731			_			
State Network 731	1700	WDCO	89.7	GA	Cochran-Macon, Peacl	h
DIXON 93" 812						
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1933 KUZZ 95.9 AR Lake Village	1932	KTJC				- 1
1940 KLTR 93.7 TX Houston	1933	K1177				- 1
73-7 IA HOUSTON	194n	KITP				1
			,,,,,	1 ^	nouscon	

S	TATION, N.J				
	AUG 5 Es (Con	ti	nued)	
	1943 KKBQ 92	.9	TX	Pasadena, "939"	1395
1	1945 KPCH 97	.7	LA	Dubach-Ruston	
ı	1947 KSRR 96	.5	TX	Houston	1395
	OCTOBER 1986				
1	4 Tr				
1	0057 WESU 88	.1	СТ	Middletown	
ı	6 GW				
1	0705 WUCI 91	.5	NY	Binghamton	116
ı	10 GW				110
ı	0900 WRGN 88	. 1	PA	Sweet Valley, g	
I	11 Tr			(atto// g	
I	2320 WBYR 107	.7	NY	Wethersfield, pr	
ı				"Buffalo's Bear"	
l	2346 WNNK 104	. 1	PA		113
l	12 Tr				113
١	0035 WCTD 107	- 1	MD	Federalsburg, k	
ı	0100 WBNE 95	.9	PA	Benton, "B-96", r	
Į	0113 WOVU 101.	.7	DE	Ocean View	
I	0115 WGTY 107.	.7	PA	Gettysburg, k	
ł	0120 WOKX 94.	.1	PA	Sudbury	
ı	16 GW			,	
l	2000 WJHU 88.	.1	MD	Baltimore.	
ļ			Jo	ohn Hopkins University	136
ı	23 GW		•	oniversity	130
l	2200 WWMX 106.	.5	MD	Baltimore, ex-WMKR	
ı		-		on a Joe Fela tip	
ı	NOVEMBER 1986			on a soc reta tip	
ŀ	3 GW				
ı		9	NY	Albany, ex-WWOM	
			,,,,	"K-LITE"	143
I				K EATE	143
•					

COMMENTS: August 5 produced some incredible skip for about 3 hours. I managed to hear 10 states ranging from NC (506 miles) to Texas (1395 miles). This Fall has been disappointing from the trop standpoint, only Oct. 12 produced anything really worthwhile as the Buffalo, NY area showed.

WNCE FM-101 24 SOUTH OUEEN STREET LANCASTER, PA 17603

WGET 80x 28B GETTYSBURG, PA. 17325

ILLIAM R. HEPBURN - #18-62 WALKOVER S	T THU	NDER BAY, ONTARIO, CANADA - P7B 1L2	EDT
nunder Bay equipment: JVC R-X330V Rec	eiver wi		
T NIAGARA FALLS:		GROUNDWAVE 200+ (cont'd.)	
PTEMBER 1986		WJML 98.9 MI Petosky (o/u CBQY)	295
Tr		WIXX 101.1 WI Green Bay	275
728 CBSM 89.5 ON Sault Ste. Marie		WRVM 102.7 WI Surling	235
"CBC NORTHERN ONTARIO"	320	WMKC 102.9 MI St. Ignace	275
<u>7 GW</u>		WWIB 103.7 WI Ladysmith	220
CKLH 102.9 ON Hamilton, heard		KKBJ 103.7 MN Bemidji	275
testing in \$, 60 db signal	62	WAXX 104.5 WI Eau Claire	265
3 Tr		WYKX 104.7 MI Escanaba	215
500 WPHN 90.5 MI Gaylord, \$,		WRLO 105.3 WI Antigo	225
on car stereo	295	WFMM 105.5 MI Gladstone	205
THUNDER BAY:		WAPL 105.7 WI Appleton	295
ROUNDWAVE 200+		WJJY 106.5 MN Brainerd	265
tations heard often during any time of	f day:	WYCO 107.9 WI Wausau	250
CRB 88,5 MN Bemidji	275	KMGK 107.9 MN Anoka	295
AXE 91.7 MN Grand Rapids	215		
IFC 95.5 WI Wausau	250	DX:	
MBN 96.3 MI Petosky	295	OCTOBER 1986	
IMC 96.3 WI Rice Lake	235	8 MS	
NNS 96.9 MN Grand Rapids	215	0530 WFAE 90.7 NC Charlotte, calls,	
GLQ 97.1 MI Escanaba	215	my first MS ID in 10 years of DXing!	1005
PRM 97.5 MN Park Rapids	290	15 Tr	
OUZ 98.5 WI Green Bay	275	0859 WOJB 88.9 WI Reserve	200
•••••••••••••••••••••••••••••••••••••••		 .	
MMENTS:I've just moved to Thund	er Bay f	rom Torontoa great DX spot as there	are
aly 7 local EM stations - I finally I	ned a MS	burst. Seems that there are almost contin	luous

half-hour to see if I can catch any IDs. Many bursts in \$ overriding semi-local GW stations. Maybe my new receiver has something to do with it.

DAVE NIEMAN - AKRON, NEW YORK - 14001-9529	EDT
Equipment: Carver TX-11 tuner, CM Stereo Probe	9 at 25' (815' ASL), RG-11 coax
SEPTEMBER 1986	OCTOBER 8 Es (continued)
29 Tr	2000 KSLU 90.9 LA Hammond 1089
1000 WBNJ 105.5 NJ Cape May Court House	2044 KMAR 95.9 LA Winnsboro, k\$, call 1034
mr (\$?), ID, nx-wx 328	2100 KAMU 90.9 TX College Station,
1301 WBNE 95.9 PA Benton-Bloomsburg-	c \$, ID 1305
Berwick, kr\$, ID, "B-96" 166	9 Es
OCTOBER 1986	2005-2030 91.9 MUF, briefly to SW, no IDs
8 Es	19 Tr
1932 WMSU 88.5 MS Hattiesburg, t\$,ID 1002	2220 WIXX 101.1 WI Green Bay, r\$, call
1950 WJDR 98.3 MS Prentiss, k\$, call 1008	(American T-40) 496
<u></u>	Dave

ALAIN PEPIN - 234 RUE MONTCALM - ST-JEAN-SUR-RICHELIEU - QUEBEC - J3B 3N8 EDŤ DXing on Mont St-Gregoire, Quebec (650 ft. above ground level)

G.C. 45 degrees 21'N 73 degrees 09'W 6	miles east of St-Jean, QC.
SEPTEMBER 1986	27 Tr (cont'd.)
21 Tr	1600 WMTK 106.3 NH Litt
1350 WFLY 92.3 NY Troy, "FLY-92", r 186	historic Thayers Inn 106
1410 WKNE 103.7 NH Keene, r,	WMTK Littleton" now blas
"MAGIC 104 KNE-FM" 171	off the dial
1420 WXTY 103.9 NY Ticonderoga, "WXTY-	OCTOBER 1986
104 FM" seems weaker than before,	5 GW
letting WKNE-FM easily through 105	ALL DAY CFOU 103.1 QC S
27 Tr	carrier on, no audio, c
1400 WJJR 98.1 VT Rutland, "Relaxing	Oct. 11, carrier back o
3 great states in stereo from the	Oct. 19.

top of Killington, this is WJJR Rutland, Lebanon, Glens Falls at FM 98", EZLing format, now strong 122 and regular

27 Tr (cont'd.) 1600 WMTK 106.3 NH Littleton, "From historic Thayers Inn 106.3 FM Stereo WMTK Littleton" now blasts WIZN right off the dial **OCTOBER 1986** 5 GW ALL DAY CFOU 103.1 QC Ste-Therese leaving carrier on, no audio, carrier off on

Oct. 11, carrier back on with no audio

>>> CONTINUED >>>

100

1445 WPYX 106.5 NY

MoR/rock (soft rock) 200

Albany, "PICKS 106"

Capital Land ads

OCT 19 Tr 1454 WJSC 90.7 VT Johnson, legal ID, 55 "JSC College" 1203 WJNY 90.9 NY Watertown, "CLASSIC FM" ID; WCNY, WUNY, WJNY 170 1100 WCNY 91.3 NY Syracuse, Endless 220 concert, // 90.9, not as strong 1101 WVOR 100.5 NY Rochester "WVOR FM 100" 270 1309 WKCI 101.3 CT Hamden. "KC-101" 240 1154 WKFM 104.7 NY Fulton, "K-104", 215 mentioned WKFM, top-40 mx WOIV 105.1 NY De Ruyter, legal ID, 220 ethnic pam. COMMENTS: I have been up to Mont St-Gregoire

5 week-ends in a row, and the last two were

I the most spectacular tropo openings. The new Sanyo MW-750 "Double dubbie" helped too. Pete Matthews, a friend from St.-Hubert, brought along his Panasonic RF-2200. It did catch a couple of stations that my Sanyo didn't, but then again the weak batteries of the Sanyo didn't help it after two weeks of British DX (no AC available) and five weekends of mountain climbing.

I recieved a letter from Roy Barstow with good hints on reception, some of which were already under consideration. All the stations I am reporting this time are considered DX and unusual. WGDR, WJJR, WMTK seem to come back almost regularly now. The openings of Oct. 12 and 19 were totally different. The DX spot under a specific cliff that was used to hear WAYU, WHJY on Oct. 12 was quite useless on Oct. 19, when another spot was found useful. Don't ask me, I don't make the propagation!

73 Alain

MARTY B	RVINCHAR	- G	LENSHAW, PA 15116						
JUNE 198	36				15 Tr			_	
8 Tr	_				1100 WMRT	88.3			
1357 WC	30 88.7	ОН	Batavia	243		(NO	T in	10th ed. of FM At	las!)
9 Tr	_				29 Tr				
0010 WME		ΙL	Chicago	480	0900 WOUB		ОН	Athens	140
CBI	89.9	ON	Windsor	195	WXGT	92.3	он	Columbus	165
0100 WG	ΓE 91.3	OH	Toledo	205	WOSU	89.7	ОН	Columbus	165
WC:	B 89.3	OH	Cleveland	110	WSNY	94.7	ОН	Columbus	165
WU	OM 91.7	MI	Ann Arbor	230	WLVQ	96.3	ОН	Columbus	165
WV:	KU 91.7	OH	Cincinnati	265	WBNS	97.1	ОН	Columbus	165
WR	ic 92.3	OH	Cleveland Heights	120	WNCI	97.9	ОН	Columbus	165
WBI	A 107.3	OН	Elyria	126	WIKI	100.1	KY	Carollton/Madison	(IN)
2300 WR	DL 88.9	OH	Ashland	126					310
12 Tr	_				WVAF	99.9	WV	Charleston	180
1545 WQ	ZK 94.1	WV	Keyser, "Q-94"	95	WGAR	99.5	ОН	Cleveland	110
1605 WK	SZ 100.3	PA	Media, "KISS-100"	252	WTOF	98.1	ОН	Canton	80
1620 WC	T 100.3	OH	Newark, "T-100"	140	WHIO	99.1	ОН	Dayton, "FM-99"	236
WD	JY 100.3	DC	Washington, "DJ-100"	205	WQAL	104.1	OH	Cleveland	110
1630 WP	HD 103.3	NY	Buffalo, "103-PHD"	180	WDOK	102.1	ОН	Cleveland	110
_						106.5	ОН	Cleveland	110

COMMENTS: Here are some dx loggings recorded way back in June, just after I purchased my Onkyo T-9090 tuner. I thought this would get me back into FM DXing after a long while, but a new baby boy in July and a new job in October plus a few other added responsibilities have all put a stop to that for the time being. Hope to heave some time soon. A few other comments: Heard and recorded pirate WZUM on 88.7 here in Pittsburgh on Friday, July 12th through 3 a.m. July 13th. The station originates from the eastern suburbs (I'm in the northern suburbs 5 miles northeast of downtown Pittsburgh) and broadcasts in stereo, but this time had lots of overload distortion, especially on the micing. Their slogan is "ZOOM". Also, WYEP, 91.3 has been off the air for over 6 months now with no word or sign that they will ever return.

Not enough room for my own DX so that will appear in next months column. But room for a few items: WJHU-88.1 Baltimore hit their new 10 kw in mid-October, ex-10 watts. They are listed for 23 kw ERP so I wonder if 10 kw is the transmitter output. They are directional to protect WPVI-6 Philly, per NRCer Dave Schmidt, but I'm on the other side of WPVI from them and they have a nice signal so..... WWMX-106.5 Baltimore (ex-WMKR) installed a new antenna also in mid-October to replace one with a burnt out bay. Gets out much better! This facility will become their auxiliary when they go up on the channel 45 tower. 73, Joe

BANDSCAN [PLUS] DEPARTMENT - - -

During the NRC Convention (Aug. 31, Sept. 1 and 2) in New Castle, DE, a MR-78 tuner and a Stereo Probe 9 (with rotor) were set-up. The listing which follows are the stations heard during that week-end. It should be noted that WSTW-93.7 and WJBR-99.5 were 8 miles from the convention site. A CF-98 FM Antenna Filter helped cut down the overloading (for more info contact Craig Healy, Clement Corp., P.C. Box 2012, Pawtucket, R.I. 02861). For severe overloading problems, I recommend this tunable filter. It should be noted that conditions for the most part were "normal" to just light trops. No big openings, unfortunately. Local stations underlined.

stations underlined.			
88.1 WMNR CT	94.5 WCHR NJ	98.9 WUSL PA	104.3 WBSB MD
88.3 WBGO NJ	WDAC PA	99.1 WPLR CT	WNCN NY
WRVL VA	WRVQ VA	WHFS MD	104.5 <u>WSNI</u> PA
88.5 WAMU DC	94.7 WDSD DE	WAWZ NJ	104.7 WWMD MD
88.7 WRSU NJ	94.9 WRSD PA	WAAL NY	WQHQ MD
88.9 WXPN PA	WMSP PA	99.3 WLQE NJ	WSPK NY
89.1 WFDU NJ	WPVR VA	99.5 WJBR DE	104.9 WRDR NJ
wwfm nj	WNRN VA	99.7 WSHH PA	105.1 WNSR NY
WVTF VA	95.1 WRBS MD	WYFI VA	WIOV PA WAVA VA
89.3 WPFW DC	WAYV NJ	99.9 WFRE MD	105.3 WDAS PA
WSKG NY	WZZO PA	WKHI MD WEZN CT	WXRI VA**
WRDV PA	95.3 WSBH NY	WEZN CI WQQQ PA	105.5 WLVW MD
89.5 WSOU NJ	WOBR NC	100.1 WJRZ NJ	WBNJ NJ
WITF PA	WDNH PA WSPI PA	WUFM PA	105.7 WQSR MD
89.7 WCVT MD	WKHK VA	WYFJ VA	WMRV NY
WGBH MA WFGB NY	95.5 WCLY MD	100.3 WKSZ PA	WQXA PA
	WPLJ NY	100.5 WRCH CT	105.9 WNWK NJ
89.9 WOEL MD WKCR NY	WKYE PA	WVOR NY	WAMO PA
90.1 WRTI PA	95.7 WFLN PA	WCMS VA	WCXR VA
90.1 WRII PA 90.3 WJTL PA	95.9 WWTR DE	100.7 WGRX MD	106.1 WTRK PA
90.5 WDUQ PA	WWIN MD	WNBR NJ	106.3 WCEM MD
WJYJ VA	WBNE PA	WFMZ PA	WHTG NJ
90.7 WFUV NY	96.1 WLEV PA	100.9 WOEZ PA	WSLT NJ
90.9 WETA DC	WGCB PA	WNNT VA	106.5 WMKR MD
WHYY DE	96.3 WHUR DC	101.1 WEAZ PA	WHLM PA
91.1 WFMU NJ	WQXR NY	101.3 WKCI CT	WRFK VA
91.3 WXDR DE	CFMK ON	WNCE PA	106.7 WLTW NY
91.5 WBJC MD	96.5 WPEL PA**	WGBI PA	WRKZ PA
91.7 WKDU PA	WWDB PA	101.5 WKXW NJ	WBMW VA
91.9 WGTS MD	96.7 WYRS CT	101.7 WOVU DE	106.9 WKDN NJ
92.1 (WKQV/WVLT silent)	WCEI MD	WNNN NJ	107.1 WCTD MD
WLNG NY	WQCM MD	101.9 WLIF MD	WMJY NJ 107.3 WROX DC
WGLL PA	WKJX NC	WPIX NY	107.3 WRQX DC WDBA PA
WMJW PA	WPGM PA	102.1 WIOQ PA	107.5 WBLS NY
WCTX PA	WQWK PA	102.3 WTKS MD WSJL NJ	WBYO PA
WDYL VA	96.9 WFPG NJ	WSJL NJ 102.5 WOLC MD	107.7 WSNJ NJ
92.3 WYST MD	WLAN PA	WRFY PA	WGTY PA
WXRK NY	97.1 WASH DC WYNY NY	102.7 WXYV MD	WMJR VA
WRRN PA	97.3 WMVB NJ	WNEW NY	107.9 WEBE CT
92.5 <u>WXTU</u> PA 92.7 WGMD DE	WHP PA	WKSB PA	WFSI MD
92.7 WGMD DE WOBM NJ	97.5 WPST NJ	102.9 WMGK PA	WDSY PA
WHIF PA	WKMZ WV	103.1 WBEY MD	
92.9 WLTJ PA	97.7 WAFL DE	WQEQ PA	** Heard with local
WMGS PA	WJJB NY	WXLR PA	on the air.
WFOG VA	97.9 WIYY MD	103.3 WPRB NJ	
93.1 WPOC MD	WEVD NY	WSBA PA	GREATEST DISTANCES:
WPAT NJ	WWSH PA	103.5 WGMS DC	
93.3 WMMR PA	98.1 WCAU PA	WQHT NY	CFMK-96.3 - 319 miles
93.5 WSEA DE	98.3 WSUX DE	103.7 WHDG MD	WGBH-89.7 - 299 miles
93.7 WSTW DE	им орми	WMGM NJ	WVTF-89.1/WPVR-94.9 -
93.9 WKYS DC	WDVR NJ	WEZS VA	288 miles
94.1 <u>WYSP</u> PA	WWMC PA	103.9 WIBF PA	WVOR-100.5 - 264 miles
WQKX PA**	98.5 WYCR PA	104.1 WXTR MD	WOBR-95.3 - 259 miles
94.3 WWOC NJ	WKRZ PA	WAEB PA	(The E Distance
WQRA VA	98.7 WMZQ DC	WNNK PA	(The 5 Pittsbughs are
	WRKS NY		at 241 miles.)

WNOR VA

Danny Buntin 1312 h. Skyline Stillwater, Ok 74075

MORE AUG. AND OCT. ES REPORTED

ONKYO SPOKESMAN COMMENTS ON THE T-9090!!

The few reports coming in on the latest DX activity continue to show August was unusually strong for Es with Pat Dyer saying his extensive showing for that month equaled the sum of the previous 6 Augusts. Having not report it yet, he may still be recovering from that month and the rest of the summer that was also quite good, in fact the 2nd best of the decade for him. September has apparently gone by with no DX. Octobers can go by without FM Es for anybody, including even Pat Dyer, but this October has featured at least a couple of Es days, with one reporter saying it was the first time he ever had Es in Oct. Trop, especially long haul continues in '86 to be in the doldrums, with one having to go clear back to February to find any when a lucky lone reporter from Alabama managed to find some from Mexico and the southern tip of Texas. Trop may easily continue down, but Es may bear closer watching from now on in case the previous extensive activity suggests it may be on the upside of a cycle, perhaps coinciding with the sunspot cycle.

I wrote to Onkyo about their T-9090 and received an interesting reply. But first some background info. The reviewer of the T-9090 in Sensible Sound was the engineer for the legendary McIntosh MR 78. He noted remarkable similiarity in the selectivity circuitry of the two tuners, and it occured to him to pull the Onkyo super narrow IF filter and replace it with the one from the MR-78. Along with a few minor changes on the Onkyo circuit board he succeeded in bringing up the Onkyo selectivity to match the MR-78, making it possible to permit reasonable reception of weak stations adjacent to 100 kw locals. He reported his findings to Onkyo and the company was quite interested. And so since the review came out over a year ago it has been speculated that Onkyo would modify the T-9090, or perhaps even offer modifications to current owners. My reply from the Onkyo product manager concerning this read:

"Thank you for your recent letter concerning the T-9090 modification described in the review by the Sensible Sound magazine, reviewed by Mr. Modaferri. Mr Modaferri used spare McIntosh parts to obtain the increase in selectivity: those parts were in his possession from his engineering days at McIntosh. While we have indeed duplicated his findings, using parts supplied by him, in our own labs, we are not pursuing any modifications to the T-9090 at this time. The McIntosh part in question is proprietary to them, and I'm sure they would take a dim view of any requests from us or our customers for those parts; they're still in the tuner business, you know. The T-9090 is not slated for any design changes until 1987. I won't know until later this year, or early next year, as to whether or not we've come up with a new type filter for this model. However, modification of any tuner of the sensitivity of the T-9090 requires special test equipment, and our engineers design these things in special rooms, that are entirely shielded for stray RFI. Extensive field testing of the T-9090 originally took place in the Orient, North America, and France and West Germany. before the design was finalized. Needless to say, the procedure could be quite expensive. I doubt that Onkyo would be considering any retrofits to the T-9090 for this reason. Thank you for your interest in OWKYO products."

So it appears the only feasible way for big city DXers to coax more selectivity out of the T-9090 is to take it in for service to see if it can be modified to tune in .05 MHz increments, so it can be detuned away from locals. I would be interested in hearing from anybody who has tried having this done. The T-9090 has gone up, now discounted in the \$400 range.

Pay Dyer, 5315 Silvertip Dr., San Antonio, To	78228 M	(ay 1986 CST
5/12 tr (cont. from last month)	5/12 Es	
1007 KNUE 101.5 TX Tyler, ID 280	1027 WSEZ 9	93.1 NC Winsten-Salem, ad 1150
Es	1028 WKSF 9	99.9 NC Asheville, wx 1010
1008 WKOQ 94.1 NC Lexington, Q-94, k 1150	1030 WLVK 9	96.9 NC Statesville, k-97, k 1110
1012 WHPEt 95.5 NC High Point.g 1160	1035 WZZU 9	93.9 NC Burlington, ad 1190
1020 WXRC 95.7 NC Hickory, ID 1085	1038 unID 10	07.9 (MUF)
1025 WRSA 96.9 AL Decatur, ID 760	Cont	

SOUTHERN FM DX

Dyer, cont.

DECEMBER 1986

5/12 Es 1057 WUTC 88.1 TN Chattanooga, ID 1058 WDEF 92.3 TN Chattanooga, ad 1059 WMBW 88.9 TN Chattanooga, wx 1100-1144 unIDs 88-92 very spotty 1ull to 1212-1235 unIDs 88-89 very spotty	5/12 Es 1601 KCEPt 88.1 NV Las Vegas, s KXTZt 94.1 NV Henderson, EL AUDOt 93.1 NV Las Begas 1605 KOOL 94.5 AZ Phoenix, ID 1606 KKFRt 92.3 AZ Glendale, r 1617 f/outs	1050 1040 1050 835 840
<u>tr</u>	tr	

1240 KVNE 89.5 TX Tyler, area town 280 12154 WChW 92.3 LA Laplace, area ad 49 I had to replace the rotor on the TV-FM after things died down the afternoon of May10. The 1973 vintage RS Servo unit (5-wire) was taking 3 minutes to go only 180 deg! The new RS item (3-wire) doesn't seem to be as good as the older versions. A healthy amount of Es for less than half of May. And, this with the best Es season on FM since 1983!. I still have a dozen C-90's to edit yet. Shades of a few years ago. The extraordinarily late-running Es in August gave a total (minutes) for that month equal to the sum of the previous 6 years of Augusts combined! The total May-Aug. time turned out to be the 2nd best for the decade. I'm sorry that the "latest" report that I've been able to compose here only goes thru May 12. (That's OK, Pat. DB)

Tulsa DX Killers

Three Tulsa, OK stations KWEN 95.5, KRAV 96.5, KMOD 97.5 have moved from their rather short downtown tower to a new tower at the dreaded 1325' level,located about 6 mi.west from the former site. The new site maybe possibly an old TV tower. Here at your SFM editor's QTH, the tower move resulted in an awful 20 to 25 db increase. Those Tulsa3now come in at a very steady 60 db's or slightly better all times.For car FM reception the Tulsa threesome has also improved quite a bit. Formerly they were always avoided due to the choppy behavior of their stereo signals. Now they compete well with the near steady, tall towered Cklahoma City counterparts. A recent new tall towered Tulsa rimshotter on 99.5 was already providing some competition to OKC, but those Tulsa 3 are coming in about 5 dbs better. Depending on the quality of the car radio very good reception of these stations is often possible, with KMGL 104.1 of OKC, the highest towered of the OKC and Tulsa stations likely to be the only one canable of flawless car reception here.

Over in Tulsa, where I recently visited, the dreaded tower move has not killed DX but has meant the opposite. For instance in south east Tulsa it's as if an iron curtain has been lifted from car FN reception, like a breath a fresh air after years of confinement. Now fairly broad stretches of the FM band are free of strong overload, enabling out of town stations like the high towered ones from OkC about 95 mi. away to get through. when formerly they were hopelessly buried. They are on the noisy side, but it was surprising to hear kLTE 101.9 of OkC, which just recently moved to a 1000' + coming in almost noise free much of the time. Of the OKC stations, only "FM-100, the CAT" was buried, of the high towered stations, that is. Never before could I here OkC from Tulsa. This reception on a very moist night, so may not represent routine conditions. The translator located on a downtown Tulsa building now has greater inward range. In other words, one can drive a mile or so closer to it before overloading interference ruins it. Downtown Tulsa has been a wasteland of TM overload and multipath for a long time. It still is. but without the same overwhelming intensity. Stations like that downtown translator that were formerly hopelessly buried now get through but tend to be too noisy for practical listening. The translator's primary station is still better to listen to. So it's probably more redundant than ever, considering that it is located within the mother station's primary circle. Folks with car radios that are supposed to be more immune to overloading probably can enjoy even more dramatically enhanced DX reception possibilities, like with the Pioneer Supertuners. (See 9/85 SFM for more info about the translator.)

MattSittle, 220 Brookfield Dr., kingsport, TN 37663

6/10 Es

1900 unIDs Cuba, SS

2200-2359 Matamoros, Monterrey, Reynosa in. Harlingen, Brownsville, Corpus Christi, San Antonio, Abilene, San Angelo, (36 stations total)

6/11 Es

Most incredible day I've ever seen on FM. 136 stations logged, locals were buried for hours by Es. every channel was covered by 1 or stations.

0000 KBIL 92.9 and Ksel 93.7 TX

1050-1100 Denton, Abilene, Wichita Falls in.

1100-1200 Texas Es intensifies. More Abilene, now Matamoros.

1200-1300 Harlingen-Brownsville, all stations in. Corpus Christi strong, caught few from cont...

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Dallas and even a station from Coahuila, Mexico, XHNE 106.3
1300-1400 Definitely the best hour this day. Every Houston station in by 1315. San
Antonio stations strong. By 1330 was getting wild catches. Had San Antonio, Austin,
Corpus Christi, Monterrey, D-FW and Tyler at same time. Abilene in strongest by 1345
Dallas-Ft Worth took over by 1400.
1400-1500 Starting to weaken. Shreveport, Houston, and most of east Tx from Dallas and
Houston east in Surprise logging of KAOR 92.9 in Scottsbluff, NE at 1417 That was the
only Nebraska station I caught that day.
1500-1600 KTQQ 100.9 LA was only catch
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Sittel, cont.

1600-1700 FM gone, TV down to where it was watchable. South Dakota TV's in , but Corpus Christi came back late.

1700-1900 Great Northern E-skip, first logging of a Montana FM. 1713 KKXL-92.9 ND 1089 1736 KQDY-94.5 ND 1179 1727 KCCM-91.1 MN 1017 1738 KDSR-101.1 ND 1346

1728 KGCH-93.1 MT 1352 "CH-93" 1745 KYYZ-96.5 ND 1346 1808 KIZZ-93.7 ND 1256 1729 KZPR-105.3 ND 1729

1900-2000 Most Dallas FM's back in, also kXXY 96.1 OKC 837. TV was Omaha, though.

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1315 KXXL 92.9 ND 1089. very weak
6/18 tr
1000 Most Nashville stations in. also WKTG 93.9 kY 282 in.
1200-1330 Houston, basically, also KZFM 95.5 in. Late had Shreveport
6/19 tr, Es
0830 WZEZ and WSM in from Nashville. Es was an unID 93.3 playing AC music from TX or NM.
6/26 tr. same as 18th. 6/30 tr 1100 Dayton. OH in.
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0/20 tr. Same as 10 th. 0/ 00 tr.	o bay com,	Oil III.	
10/8 Es	1	10/9 Es	
1648 KNIN 92.9 TX Wichita Falls	936	2000 Frequent MUF's to 89 MHz, no ID's	
1745 KITY 92.9 TX San Antonio, r	1055	10/14 Es	
1943 KKBQ 92.9 TX Houston "93"	878	2057 KZFM 95.5 TX Corpus Christi	1055
1953 KUHF 88.7 TX Houston, c	878	2113 XHAAA 93.1 TA Reynosa	1184
1954 KPFT 90.1 TX Houston	1	ad for Reynosa, Rio Bravo, Matamoros	
1954 KUT 90.5 TX Austin	990	2114 KELT 94.5 TX Harlingen, "k-Lite"	
1956 KLTR 93.7 TX Houston, mr	i	2116 KVLY 107.9 TX Edinburg	1166
1957 KFMK 97.9 TX Houston, sr		2133 KkED 90.3 TX Corpus Christi	1055
1957 KMJU 102.1 TX Clear Lake City	878	2135 KSTE 93.9 TX Corpus Christi	1055
1958 KGNZ 88.1 TX Abilene, g	1026	2139 KLTR 93.7 TX Houston	878
2004 KZZB 95.1 TX Beaumont	806	2140 KIWW 96.1 TX Harlingen, ID	1166
2020 KNFO 95.5 TX Waco, K-95	9 0 8	2146 KOUL 103.7 TX Sinton, k	1955
1049 KBIL 92.9 TX San Angelo, ID	1088	2149 KODK 92.7 TX Kingsville, ads	1097

Equipt. used: Sony STR-AV 340 tuner, General Electric 7-4875A clock radio, CM 1160 Quantum antenna at 34' AGL (1453' ASL)

Hello to all DXers. October gave me E-skip more than I expected. The Sony tuner was of great aid in IDing some of the stations. I held onto a station until it totally faded out. Even if it was very weak, it kept it in. 8th and 145h openings were quite alike, but the 14th openings were quite alike, but the 14th opening was much stronger, and not much fading occurred on any of the stations. I got a perfect hourly ID out of KZFM, which can be heard on "THE ID TAPE". I just finished it and it's ready for you. It has TV and FM ID's and NOAA ID's as well. Hourly local ID's are plentiful and E-skip catches are abundant as well. Many ID's from recent trips to Western US and Georgia give a great variety of nationwide ID's. If you, like me, enjoy listening to ID's straight, this 90 minute tape is jam-packed to the walls with ID's of all kinds. This tape is yours for one of two ways: 1) for 2 tapes of 2 top-40 or urban contemporary stations in your area, and a copy of your local TV Guide, or 2) A check for \$3.50 (for a high quality tape and first class postage) An index for the tape will be included. My TV Guide trading offer still stands. I've gotten many requests already, and trading of FM stations stands, too. I get a large area, so if you've got a particular station you would like, be sure to tell me. And, don't forget the Bumper Sticker Trading Fost. I'm waiting for your stickers. See Nov. VUD for the rules. I'll be waiting for your letter and tapes. Merry DXmas to all.

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Keith Pugh, 227 Martin St., New Hope, AL
                                         35760 CST/ CDT
Equipt: JCPenney 3921, 18 db amp, Archer 6 element at 30 ft. All new except when indicated.
2/12 tr
                                             2/18 tr
1418 WQLC 107.9 MS Poplarville, ID
                                             1113 KQID 93.1 LA Alexandria, ID
<u>2/13</u> tr
                                             1118 WMSI 102.9 MS Jackson, ID
                                                                                     173
2315 WEVL 89.9 TN Memphis, ID
                                             1119 WKJN 103.3 LA Hammond, k. ID
                                                                                     372
2/18 tr
                                             1127 WJMI 99.7 MS Jackson, ID
1109 WMAU 88.9 NS Bude, ID
                                             cont.....
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2/18 tr	5/11 Pe
1100 IN 100 C LA Pater Davis TD MOC	5/11 Es
1128 WFMF 102.5 LA Baton Rouge, ID 405	1502 KOCV 91.3 TX Odessa,
1148 KNOE 101.9 LA Monroe, relog 382	1628 KTSN 99.9 TX El Paso
1159 WKYV 106.7 MS Vicksburg, ID 305	1640 KHEY 96.3 TX El Paso
1200 WAKH 105.7 MS McComb, ID 334	1705 XHH 100.7 CHI Ciudad
1256 WBYU 95.7 LA New Orleans, ID 388	"el Mariachi Estereo"
1258 WYYN 96.3 MS Jackson, r, ID	<u>5/17 Es</u>
2248 WHIL 91.3 AL Mobile, c, ID 286	0923 WIMK 93.1 MI Iron No
2355 WRWA 88.7 AL Dothan, c, s/off 234	0929 WNMU 90.1 MI Marquet
2/19 tr	0935 WHUH 97.7 MI Houghto
0006 WAYO 99 O I A New Ordeans of TD 299	
0006 WWNO 88.9 LA New Orleans, c, ID 388	0942 WROE 94.3 WI Neenah,
0047 WGNE 98.5 FL Fanama City, b, ID 305 0227 WFXE 104.9 GA Columbus, s, "Foxy 105"	1518 CkHJ 93.1 NB Fredric
0227 WFXE 104.9 GA Columbus, s, "Foxy 105"	1541 WTMS 96.1 ME Presque
0259 WWEV 91.5 GA Cumming, s, ID 127	1645 CFCQ 93.9 PQ Trois R
0315 WPCS 89.3 FL Fensacola, g, ID 291	
	in EE!
1050 KQXY 94.1 TX Beaumont, b 550	1859 WNYC 93.9 NY New Yor
1116 KVLY 107.9 TX Edinburg, b, ID, ads900	1900 WFME 94.7 NJ Newark,
2/20 tr	(state no. 37)
0029 KTDY 99.9 LA Lafayette, r, ID 450	1905 WBGO 88.3 NJ Newark,
0055 KWIC 107.9 TX Beaumont, ID Rock 108	1932 WAYU 93.9 ME Lewisto
0101 KIOC 106.1 TX Orange, ID 535	5/21 Es
0116 KVLU 91.3 TX Beaumont, j, ID 550	1011 CBD 91.3 NB Saint Jo
10 ro invite 02 0 CA Navidanta TD 200	
1858 WMTM 93.9 GA Moultrie, ID 277	1017 CKBW2 93.1 NS Shelbur
2008 WLTS 105.3 LA Slidell, ID 360	(also had//CKBW1 on 94.5
2039 KAJN 102.9 LA Crowley, s, ID	1026 CIOO 100.1 NS Halifax
2100 WBKJ 105.1 MS Kosciusko, ID 217	1155 KMOR 92.9 NE Scottsb
2114 WAJY 101.9 LA New Orleans, ID Joy 102	
2135 KCIL 107.5 LA Houma, ID 440	f/out 1208
2/21 tr	
0000 WNOE 101.1 LA New Orleans, k, ID	5/25 Es
	1210 MILE OF 3 MI 4-2-
5/1 tr CDT	1210 WJLk 94.3 NJ Asbury
1058 WMPR 90.1 MS Jackson, ID 273	1215 WLNG 92.1 NY Sag Har
1102 WMAA 91.3 MS Jackson, ID	1220 WQRC 99.9 MA Barnsta
5/2 tr	1224 WBAB 102.3 NY Babylon
0000 WVPB 100 0 Mg Wort Point him hand	1226 WMYS 98.1 MA New Bed
0000 WKBB 100.9 MS West Point, big band	
0001 WRJH 92.7 MS Brandon, g,ID 266	1231 WLKW 101.5 RI Provide
5/6 tr	1232 WEBE 107.2 CT Westpor
2200 WBFM 98.1 SC Seneca, g, s/off 211	(sta te#38)
5/10 Es	1234 WBLS 107.5 NY New Yor
1051 WHEB 100.3 NH Portsmouth, ads, ID1015	1241 WMAS 94.7 MA Springf
1059 WUUU 102.5 NY Rome, ID 839	1247 WSRS 96.1 MA Worcest
1101 WSSH 99.5 MA Lowell, ads, calls 968	1251 WORQ 97.5 NH Dover,
1102 WCNY 91.3 NY Syracuse, c, ID 790	1255 WMGX 93.1 NE Portlan
110C WORLD ON TO NIV Detecte on ID 770	1258 WWMR 96.3 ME Rumford
1105 WGGC 90.7 NY Batavia, rp, ID 720	
1106 WNTQ 93.1 NY Syracuse, r, ID	1300 WHON 94.9 NH Mt. Was
1118 WCFM 96.5 NY Rochester, r, ID 760	1306 WEQX 102.7 VT Manches
1121 WZPR 100.3 PA Meadville, ID 575	f/out 1339
1144 CHEZ 106.1 ON Ottawa, "Chay 106" 920	5/29 tr
	2012 Value 00 C VV P 34
1150 WZOK 97.5 IL Rockford, r, ID 555 1155 WIGM 99.3 WI Medford, ID 745	2217 WCVK 90.7 KY Bowling
	(Now skip over from 6/7 th
1157 WJVL 99.9 WI Janesville, k, ID 580	Eric sent) (In last
1159 WIMI 99.7 MI Ironwood, ID 855	7/14 Es
	1715 WVBF 105.7 MA Framing
1200 WSPT 97.9 WI Stevens Point, r, ID700	
1201 WMGN 98.1 WI Madison, Magic 98, ID610	1720 WEZN 99.9 CT Bridgep
1203 WXET 105.5 IL Woodstock, ads, ID 550	1729 WPOR 101.9 ME Fortlan
1200 WAID 102 O TI Aurora r TD 515	1745 WTCC 90.7 MA Springf
1215 WRVM 102.7 WI Suring, g, ID 725	
121) HIVE 102.7 HI GUILING, 6, ID (2)	1759 WBUR 90.9 MA Boston,
1216 WKHQ 105.9 MI Charlevoix, ID 735	1759 WBUR 90.9 MA Boston, 1830 WZID 95.7 NH Manches
1216 WKHQ 105.9 MI Charlevoix,ID 735 1221 WYCO 107.9 WI Wausau, ID 735	1759 WBUR 90.9 MA Boston,
1216 WKHQ 105.9 MI Charlevoix,ID 735 1221 WYCO 107.9 WI Wausau, ID 735	1759 WBUR 90.9 MA Boston, 1830 WZID 95.7 NH Manches 1842 WSUS 102.3 NJ Frankli
1216 WKHQ 105.9 MI Charlevoix,ID 735 1221 WYCO 107.9 WI Wausau, ID 735 1236 KNOX 94.7 ND Grand Forks,relog 1120	1759 WBUR 90.9 MA Boston, 1830 WZID 95.7 NH Manches 1842 WSUS 102.3 NJ Frankli 1843 WHUD 100.7 NY Peekski
1216 WKHQ 105.9 MI Charlevoix,ID 735 1221 WYCO 107.9 WI Wausau, ID 735 1236 KNOX 94.7 ND Grand Forks,relog 1120 1238 WIRR 90.9 NN Buhl, ID 960	1759 WBUR 90.9 MA Loston, 1830 WZID 95.7 NH Manches 1842 WSUS 102.3 NJ Frankli 1843 WHUD 100.7 NY Peekski 1844 WZLX 100.7 MA Boston,
1216 WKHQ 105.9 MI Charlevoix,ID 735 1221 WYCO 107.9 WI Wausau, ID 735 1236 KNOX 94.7 ND Grand Forks,relog 1120 1238 WIRR 90.9 NN Buhl, ID 960 1255 CKIS 97.5 MB Winnipeg, r, Kiss 97	1759 WBUR 90.9 MA Loston, 1830 WZID 95.7 NH Manches 1842 WSUS 102.3 NJ Frankli 1843 WHUD 100.7 NY Peekski 1844 WZLX 100.7 MA Boston, 1854 WROR 98.5 MA Boston,
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1216 WKHQ 105.9 MI Charlevoix,ID 735 1221 WYCO 107.9 WI Wausau, ID 735 1236 KNOX 94.7 ND Grand Forks,relog 1120 1238 WIRR 90.9 NN Buhl, ID 960 1255 CKIS 97.5 MB Winnipeg, r, Kiss 97	1759 WBUR 90.9 MA Loston, 1830 WZID 95.7 NH Manches 1842 WSUS 102.3 NJ Frankli 1843 WHUD 100.7 NY Peekski 1844 WZLX 100.7 MA Boston, 1854 WROR 98.5 MA Boston,
1216 WKHQ 105.9 MI Charlevoix, ID 735 1221 WYCO 107.9 WI Wausau, ID 735 1236 KNOX 94.7 ND Grand Forks, relog 1120 1238 WIRR 90.9 MN Buhl, ID 960 1255 CKIS 97.5 MB Winnipeg, r, Kiss 97 1258 KQHT 96.1 MN Crookston, r, ID 1000 1304 CHIQ 94.3 MB Winnipeg, r, Q-94	1759 WBUR 90.9 MA Loston, 1830 WZID 95.7 NH Manches 1842 WSUS 102.3 NJ Frankli 1843 WHUD 100.7 NY Feekski 1844 WZLX 100.7 MA Boston, 1854 WROR 98.5 MA Boston, 1855 WQQQ 99.9 PA Easton, 1857 WRTN 93.5 NY New Roc
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1216 WKHQ 105.9 MI Charlevoix,ID 735 1221 WYCO 107.9 WI Wausau, ID 735 1236 KNOX 94.7 ND Grand Forks,relog 1120 1238 WIRR 90.9 MN Buhl, ID 960 1255 CKIS 97.5 MB Winnipeg, r, Kiss 97 1258 KQHT 96.1 MN Crookston, r, ID 1000 1304 CHIQ 94.3 MB Winnipeg, r, Q-94 1311 KCRB 88.5 EN Bemidji, c, ID 998 f/out 1323 5/11 Es 0944 XHRX 95.7 NL Monterrey, relog	1759 WBUR 90.9 MA Loston, 1830 WZID 95.7 NH Manches 1842 WSUS 102.3 NJ Frankli 1843 WHUD 100.7 NY Peekski 1844 WZLX 100.7 MA Boston, 1854 WROR 98.5 MA Boston, 1855 WQQQ 99.9 PA Easton, 1857 WRTN 93.5 NY New Roc 1900 WGGB 96.1 PA Red Lic
1216 WKHQ 105.9 MI Charlevoix,ID 735 1221 WYCO 107.9 WI Wausau, ID 735 1236 KNOX 94.7 ND Grand Forks,relog 1120 1238 WIRR 90.9 MN Buhl, ID 960 1255 CKIS 97.5 MB Winnipeg, r, Kiss 97 1258 KQHT 96.1 MN Crookston, r, ID 1000 1304 CHIQ 94.3 MB Winnipeg, r, Q-94 1311 KCRB 88.5 EN Bemidji, c, ID 998 f/out 1323 5/11 Es 0944 XHRX 95.7 NL Monterrey, relog	1759 WBUA 90.9 MA Loston, 1830 WZID 95.7 NH Manches 1842 WSUS 102.3 NJ Frankli 1843 WHUD 100.7 NY Peekski 1844 WZLX 100.7 MA Boston, 1854 WROR 98.5 MA Boston, 1857 WQQQ 99.9 PA Easton, 1857 WRTN 93.5 NY New Roc 1900 WGCB 96.1 PA Red Lid 1901 WNEW 102.7 NY New Yor 1944 WYSC 97.7 PA Somerse 1947 WPSU 91.1 PA State 0
1216 WKHQ 105.9 MI Charlevoix,ID 735 1221 WYCO 107.9 WI Wausau, ID 735 1236 KNOX 94.7 ND Grand Forks,relog 1120 1238 WIRR 90.9 MN Buhl, ID 960 1255 CKIS 97.5 MB Winnipeg, r, Kiss 97 1258 KQHT 96.1 MN Crookston, r, ID 1000 1304 CHIQ 94.3 MB Winnipeg, r, Q-94 1311 KCRB 88.5 EN Bemidj1, c, ID 998 f/out 1323 5/11 Es 0944 XHRK 95.7 NL Monterrey, relog 1157 KBNA 97.5 TX El Paso,"K-Buena"ID1160	1759 WBUA 90.9 MA Loston, 1830 WZID 95.7 MH Manches 1842 WZID 95.7 MH Manches 1842 WZID 102.3 NJ Frankli 1843 WHUD 100.7 NY Peekski 1844 WZLX 100.7 MA Boston, 1854 WROR 98.5 MA Boston, 1857 WQQQ 99.9 PA Easton, 1857 WRTN 93.5 NY New Roc 1900 WGCB 96.1 PA Red LI 1901 WNEW 102.7 NY New YOT 1944 WYSC 97.7 PA Somerse
1216 WKHQ 105.9 MI Charlevoix,ID 735 1221 WYCO 107.9 WI Wausau, ID 735 1236 KNOX 94.7 ND Grand Forks,relog 1120 1238 WIRR 90.9 MN Buhl, ID 960 1255 CKIS 97.5 MB Winnipeg, r, Kiss 97 1258 KQHT 96.1 MN Crookston, r, ID 1000 1304 CHIQ 94.3 MB Winnipeg, r, Q-94 1311 KCRB 88.5 EN Bemidji, c, ID 998 f/out 1323 5/11 Es 0944 XHRX 95.7 NL Monterrey, relog	1759 WBUA 90.9 MA Loston, 1830 WZID 95.7 NH Manches 1842 WSUS 102.3 NJ Frankli 1843 WHUD 100.7 NY Peekski 1844 WZLX 100.7 MA Boston, 1854 WROR 98.5 MA Boston, 1857 WQQQ 99.9 PA Easton, 1857 WRTN 93.5 NY New Roc 1900 WGCB 96.1 PA Red Lid 1901 WNEW 102.7 NY New Yor 1944 WYSC 97.7 PA Somerse 1947 WPSU 91.1 PA State 0

cont.			ESCAPEER 1	00
5/11 Es				
1502 KOCV	91.3	ТX	Odessa, rp, ID El Paso, b, ID El Paso, k, y-96 Ciudad Juarez, reo"	935
1628 KTSN	99.9	ТΧ	El Paso, b, ID	1160
1640 KHEY	96.3	ТX	El Paso, k, y-96	
1705 XHH 1	.00.7	HI	Ciudad Juarez,	1170
"el Maria	ichi Es	ter	reo"	
5/17 Es				
0923 WINK	93.1	М	Iron Nountain, ID Marquette, c, ID Houghton, wx, Great 9 Neenah, ads, ID Fredricton, k, ID Fresque Isle, ID Trois Rivieres, FF, I	790
0929 WNMU	90.1	ΙiΊ	Marquette, c, ID	840
0935 WHUH	97.7	ΜI	Houghton, wx, Great 9	8
0942 WROE	94.3	ΝI	Neenah, ads, ID	665
1518 CKHJ	93.1	ΝB	Fredricton, k, ID	1230
1541 WTMS	96.1	MΕ	Presque Isle,ID	1258
1645 CFGQ	93.9	PQ	Trois Rivieres, Fr, 1	.iJ
in EE!				1075
1859 WNYC	93.9	NY	New York, ID, c	790
1900 WFY.E	94.7	NJ	Newark, ID	742
(state no	37)		New York, ID, c Newark, ID Newark, j, ID Lewiston, baseball, II Saint John, wx, nx	
1905 WBGO	88.3	NJ	Newark, J, ID	1005
1932 WATU	93.9	ME	Lewiston, baseball, L	11095
5/21 ES	04 0 1	· ·	Saint John, wx, nx Shelburn, mk, \$, ID on 94.5 Liverpool, \$, Halifax, ads	1000
1011 CBD	91.5	AB S	saint John, wx, nx	1200
1017 CKBW2	2 93.1	NS.	Shelburn, mk, \$, ID	1300
(also nac	1//CKB	AT (on 94.5 Liverpool, \$,	100.
1026 C100	100.1	NS	Halifax, ads Scottsbluff, r, ID Sidney, b, ID	1310
1155 KMOR	92.9	NE	Scottsbluff, r, ID	1000
1200 KSID	98.7	NE	Sidney, b, in	1020
f/out 1208	5			
5/25 Es				
1210 WILE	Oh 3	NI T	Achumic Pomic m TD	725
1210 WILK	00.1	K.A.	Asoury Fark, I, ID	עני
1215 WING	92.1	MA	Dag naroor, ID	005
122U WWITG	102.2	MA	Daristable, ID	910
1224 MDAD	00 1	MI	New Bedford ID	010
1220 W715	101 5	DT	Desiredance h ID	950
1231 WTVM	101.5	UT.	Providence, b, iD	- 930
(state#38	107.2	C1	Asbury Park, r, ID Sag Harbor, ID Barnstable, ID Babylon, p, ID New Bedford, ID Providence, b, ID Westport, Wee Bee 108	٠٥)٥
1 cole uma	'/			***
12/1 1/1/13	04.7	MA	Springfield r ID	900
1247 WSRS	96.1	MA	New York, 1D Springfield, r,ID Worcester,ID Dover, ID Portland, Magic, ID Rumford, ID1070 Mt. Washington, ID Manchester, ID	925
1251 WOKO	97.5	NH	Dover ID	1015
1255 WMCY	93.1	NE	Portland Magic ID	101)
1258 WWMR	96.3	ME	Rumford ID1020	
1300 WHOM	و علاه	NH	Mt. Washington, TD	1025
1306 WEAX	102.2	VT	Mt. Washington, ID Manchester, ID	918
				-
5/29 tr	•			
2217 WCVK	90.7	ΚY	Bowling Green, g. ID	160
(Now skip	over :	fro	Bowling Green, g, ID m 6/7 thru 7/12 that In last month's column	
Eric sent	t)	(:	In last month's column	1)
<u>7/14</u> Es				
1715 WVBF	105.7	ΜA	Framingham, r, ID	949
1720 WEZN	99.9	CT	Bridgeport, b, ID	841
1729 WPOR	101.9	ME	Fortland, k, ID	1060
1745 WTCC	90.7	FΙΑ	Springfield, ID	900
1759 VBUn	90.9	ИΑ	Boston, ID	980
1830 WZID	95.7	NH	Manchester, b, ID	980
1842 WSUS	102.3	NJ	Franklin, r, ID	775
1843 WHUD	100.7	NY	Peekskill, b, ID	820
1844 WZLX	100.7	ΜA	Boston, ID	980
18 <i>5</i> 4 WROR	98.5	MΑ	Boston, ID	
1855 WQQQ	99.9	PΑ	Easton, ID	735
1857 WRTN	93.5	ΝY	New Rochelle, ID	800
1900 WGCB	96.1	PA	Red Lion, g, ID	640
1901 WNEW	102.7	NY	New York, ID	790
1944 WVSC	97.7	PA	Somerset,ID	565
1947 WPSU	91.1	PA	In last month's column Framingham, r, ID Bridgeport, b, ID Fortland, k, ID Springfield, ID Loston, ID Kanchester, b, ID Franklin, r, ID Feekskill, b, ID Boston, ID Boston, ID Baston, ID New Rochelle, ID Red Lion, g, ID New York, ID Somerset, ID State College, wx, ID	630
COMMINITALITY	MOVO :	240		

9284 7541	2
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QSL CORNER

THOMAS J. YINGLING, JR. 221 PINEWOOD ROAD BALTIMORE, MD 21222-2345



FR QSL's

LA WCKW 92.3 Laplace, * P. 0 Drawer "B", Garyville, LA zip 70051. Unreabable name on qsl card in 2 weeks. (Ross)

GA WAAC 92.9 Valdosta, Box 1297, zip 31601. Prepared card signed by unreadable name in 2 weeks. (Ross)

WV WVPM 90.9 Morgantown, * 1900 Washington St. E., Suite 424, Charleston, WV zip 25305. Prepared card & letter back signed by Francis Fisher in 1 month. (Ross)

WV WZMM 107.5 Wheeling, 98 16th St., zip 26003. Letter from John A. Rees. (Ross)

ON CKSY 95.1 Chatham, Box 100, zip N7M 5K1. Letter from Carl Veroba in 1 month. (Ross)

CO KOAQ 103.5 Denver, Box 85, zip 80236. Letter & card from Tom Bender in 2 months. (Ross)

ON CBEE 88.1 Chatham, no address given, prepared card & CBC sticker from A. Clark in 2 weeks. (Ross)

WI WGNV 88.5 Milladore, P. O. Box 88, zip 54454-9998. Letter from Pat VanZandt accusing me of being the most distant listener. (Elving)

NC WVSP 90.9 Rocky Mount, P. 0. Box 2351, zip 27801. Nice handwritten letter for that got "Lost in the shuffle!" signed by Don Mussell, Consulting Eng. (Holbrook)

FL WGYL 93.5 Vere Beach, 1500 20th St., no zip given. Handwriteen qsl on "Christmas at WGYL" post card! signed by Dave Reuscher, CE WB4PCU. (Holbrook)

FL WRGI 93.5 Naples, 950 Country Rd., zip 33940. Handwritten qsl on back of photo "You received us during a live remote", etc., etc. signed by Brian Lange, Manager. (Holbrook)

NC WOFM 92.1 Cheasapeake, P. O. Box 15272, zip 23320. Letter from Klaus D. Raab, General Manager. (Holbrook)

AL WTSU 89.9 Troy, Troy State University, zip 36082. Letter from John Brunson, CE who says they also received a report a man in Provincetown, MA; could that be Erne Cooper? (Holbrook)

AR KLRE 90.5 Little Rock, 7701 Scott Hamilton Dr., zip 72209. Letter from Avis F. Moore, Broadcast Asst. (Holbrook)

MO KWFC 89.1 Springfield, P. O. Box 5027, zip 65801. Letter from W. F. Askew, Manager. (Holbrook)

AR KASU 91.9 Jonesboro, State University, zip 72467. Richard Carvell, Station Manager send program guides & letter says that my reception occurred at the same time their scanner was picking up the NJ Highway Patrol! (Elving)

IN WVPE 88.1 Elkhart, 2424 California Rd., zip 46514. Letter from Tim Eby, Station Manager for my logging by aurora dx skip. (Elving)

KS KVGB 104.3 Great Bend, P. O. Box 609, zip 67530. Letter from a Randy Hooker, Program Director said "That's quite a skip!" (Elving)

MN KHBL 103.9 Osakis, no address given but zip 56360. Letter from . Dave McIver says call stands for "Kept by his love"(Elving)

NE KZEN 100.3 Central City, P. 0. Box 101, zip 68826. Letter from Gene McCoy, President. who says there signal is send 33.5 miles via dual stl to KBGT-TV 8 tower near Genoa, NE. (Elving)

ND KJKJ 107.5 Grand Forks, P. O. Box 1203, zip 58201. Letter from Mike Anderson, Operations Director for Joy-FM. (Elving)

TX KACU 89.7 Abilene, Abilene Christian University. zip 76699. Letter from Karen Stevens Development Director. (Elving)

TX KDXR 104.3 Borger, P. O. Box 1478, zip 79008-1478. Letter from Bill White, Operations Manager mentions going to a 1000 foot tower by fall when reception should be a bit better! (Elving)

SOUTHERN MM DX	rugi	i, cont.
1:1		8/16 Es
7/16 Es ID	225	1040 KCCY 97.
2100 KDCR 88.5 IA Sioux Center, ID	775	1053 KSLS 101.
(state #42)	940	(and TX, NM re
2205 KTIG 100.1 MN Pequot Lake, ID	940	3/21 Es
7/18 tr	200	0801 JBC 91.1
2259 WDC0 89.7 GA Cochran, s/off	228	0803 WBVN 90.
2312 WETS 89.5 TN Johnson City, s/off	258	0805 WJIS 88.
7/19 tr		0810 WAIL 95.
1208 WMHK 39.7 SC Columbia, g, ID	307	
Es		9/22 Es 1012 KOKE 95.
1842 KEBC 94.7 OK Oklahoma City, k, I	ID	
1858 KACV 89.9 TX Amarillo, ID, FM-90)",	1249 KKAZ 100.
plus ome TX, NM relogs. f/out 2135	875	1259 KUNC 91.
7/23 thru 7/23 out of town, missed Es	!	1321 KLZY 92.
8/3 Es	•	8/28 tr (WJDC
1701 WBAU 90.3 NY Garden City, ID	790	1350 WQID 93.
1900 WEGU 97.1 ME Bangor, k, ID	1160	<u> </u>
spotty opening, f/out 1930		1642 LROO 93.
8/4_Es	i	1707 KMTH 98.
		8 /29 Es
1649 XHFJ 106.9 NL Monterrey,		1505 KTEP 88.
"Estereo Classique"	O/in	1515 unID 88.
1717 KITM 105.5 TX Mission, EE ID, wx	240	8/30 Es relog
1811 KZOR 94.1 NM Hobbs, r, ID	960	0945 kGNZ 88.
(many TX relogs and SS unID's, f/out 18	350)	1005 KATX 97.
8/5 tr		1011 KTQM 99.
1058 WLHQ 96.9 AL Enterprize, ID	210	1038 WACU 89.
<u>Es</u>		9/20 gw
1621 WBRU 95.5 RI Providence, ID	950	
1622 WJFK 94.9 MA West Yarmouth, ID	980	
1624 CJLS 96.3 NS Barrington, ID		10/8 Es
1632 WGNY 103.1 NY Newburgh, ID	825	1759 WBUR 90.9
1637 WIGY 105.9 ME Bath, r, ID	1080	1953 KQIZ 93.
1640 WHDQ 106.1 NH Clarmont, ID	960	2001 KVWG 95.
1648 WBFL 107.1 VT Bellows Falls, k,	ID	2009 LNFM 92.
	1095	2022 XHRK 95.
1659 WVPS 107.9 VT Burlington, c, ID	1	2030 XHRF 94.
1790 WQCB 106.5 NE Brewer, k, ID	1155	2043 XHAAA 93.
(Over WSAZ Chatt. TN with the beam p		2049 кноч 88.
	Omited	radio for tod
right at them!)	الي	10/9 Es
1705 WWFX 104.7 ME Belfast, r "New Fo	759	1906 KORQ 100.
1713 WMRV 105.7 NY Endicott, ID		1908 KGEE 99.
	1015	1928 KBIM 94.
1727 WGFM 99.5 NY Schenectady, 99-GF 1737 WABK 104.3 ME Gardener, r, ID	N 070	1929 KLLL 96.
1737 WABK 104.3 ME Gardener, r, 10	1090	10/14 tr
(over local WZYF!! The Zip was Zapp		1239 WYNN 101.
1748 WKSB 102.7 PA Williamsport, ID	700	1243 WGGZ 98.
1755 WMOU 103.7 NH Berlin, ID	1041	1356 WYJD 90.
1807 WAVE 102.3 NY Waverly, ID	737	
1838 kIOV 104.7 SD Sioux Falls, ID	355	Es 2029 KSTE 93.
1843 LFNW 97.9 ND Fargo, g, ID	1085	2029 KBIE 95.
1859 KICK 107.7 IA Spencer, ID	760	2101 KTSU 90.
1930 KILI 90.1 SD Forcupine, ID	1030	10/19 gw (WQSF
2037 KIKS 93.3 TK killeen, r, ID	695	1156 WOSB 104.
8/7 tr (WAHR 99.1 off)		1156 WQSB 105.
2220 WBIF 99.3 MS Booneville, k, ID	127	About the two
2359 WHIO 99.1 OH Dayton, b, ID	370	to new tower of
8/8 tr (WAHR off)		It's not in my
0509 WhJQ 99.3 TN Jefferson City, r,	TD258	\$. 105.7 is v
		Huntsville at
MS 0605 WXVL 99.3 TN Crossville, ID	124	WAVU-AM 640kH:
	-67	WAVU-AM is on
8/10 ms (WAHR still off)	.s 565	present. Weak
0059 WFEK 99.1 MI East Lansing, call		side of freq.
0101 WAWZ 99.1 NJ Zarepath, nx, ID	730	When WAVU off
8/11 tr	21.0	disappear. I
0104 WFAY 104.1 OH Portsmouth, k, ID	340	else had this
(WZYP at low power)	20	This has be
1100 WMLS 98.3 AL Sylacauga, k	98	had in one yes
8/12 ms	/1.0	7/5 strongest
0911 WGER 102.5 MI Bay City, calls	640	4#4## Oct. 73.
	<i>4/44</i>	4#### • J •

	0./44 10-	
t	8/16 Es	
١	1040 KCCY 97.9 CO Fueblo, oldies, ID 1050 1053 KSLS 101.5 KS Liberal, k, ID 839	
ı	1053 KSLS 101.5 KS Liberal, k, ID 839	,
l	(and TX, NM relogs, f/out 1134)	
ı	3/21 As 0801 JBC 91.1 Jamaica, "JBC Stereo"relog 0803 WBVN 90.5 FL Tampa, "Family Radio", ID	
ı	0801 JBC 91.1 Jamaica, "JBC Stereo"relog	
1	0803 WEVE 90.5 FL Tampa, "Family Radio", ID 0805 WJIS 88.1 FL Bradenton, Joy 88, wx 540	
ı	0805 WJIS 88.1 FL Bradenton, Joy 88, wx 540)
ı	0810 WAIL 95.5 FL key West, r "Wail-95" 740)
ı	9/22 Fe	
ı	71012 KOKE 95.5 TX Austin, ID 710 1249 KKAZ 100.7 WY Cheyenne, r, ID 1110 1259 KUNC 91.5 CO Greeley, ID 1080 1321 KUNC 91.5 CV Powell ads ID 1360)
i	1249 KkAZ 100.7 WY Cheyenne, r, ID 1110)
ł	1259 KUNC 91.5 CO Greeley. ID 1080)
1	1321 KLZY 92.5 WY Powell, ads, ID 1360)
1	8/28 tr (WJDC off)	
I	1350 WQID 93.7 MS Biloxi, ID 340)
l	Re	
١	Es 1642 kROO 93.5 TX Breckenridge, KR-double O 1707 kMTH 98.7 NM Maljamar, ID 990 8/29 Es	
1	1707 KMTH 98.7 NM Maljamar, ID 990)
I	8/29 Es	•
1	1/07 Mars 99 F By Bl Bone ID moles 1160	١
ł	1505 KTEP 88.5 TX El Paso, ID relog 1160 1515 unID 88.1 "Radio VIF", EE, SS, b,XHREI	,
ı	1515 Unit Oo.1 Radio Vir , EE, SS, D, ARREL	<i>.</i>
١	8/30 Es relogs except KACU	
ı	0945 kGNZ 88.1 TX Abilene, ID 780	
ı	1005 KATX 97.3 TX Plainview, k, ID 870	
ı	0945 KGNZ 88.1 TX Abilene, ID 780 1005 KATX 97.3 TX Plainview, k, ID 870 1011 KTQM 99.9 NM Clovis, r, ID 950	
١	1030 WACO 09.7 TX Abitene, bc, 1D 700	
1	9/20 gw 73	
ı	1000 WZMX 97.7 AL Russellville, r, new to a	
ı	10/8 Es	
1	1759 WBUR 90.9 MA Boston, ID relog 980)
١	1953 KQIZ 93.1 TX Amarillo, "Z-95" relog 875	5
١	2001 KVWG 95.3 TX Fearsall, live remote 820)
1	2009 kNFM 92.3 TX Midland, k, ID 925	5
1	2022 XHRK 95.7 NL Monterrey, "\$r" relog	
١	2030 XHRF 94.7 COA Saltillo, city ID	
١	2043 XHAAA 93.1 TA Revnosa, city ID relog	
١	2049 KHOY 88.1 TX Larado, "K-hoy, Today's	
١	radio for today's Larado" 89	5
[10/8 Es 1759 WBUR 90.9 MA Boston, ID relog 980 1953 KQIZ 93.1 TX Amarillo, "Z-95"relog 87: 2001 KVWC 95.3 TX Fearsall, live remote 820 2009 kNFM 92.3 TX Midland, k, ID 92: 2022 XHRK 95.7 NL Monterrey, "\$r" relog 2030 XHAFF 94.7 COA Saltillo, city ID 2043 XHAAA 93.1 TA Reynosa, city ID relog 2049 KHOY 88.1 TX Larado, "K-hoy, Today's radio for today's Larado" 89: 10/9 Es	
ł	10/9 Es 1906 KORQ 100.7 TX Abilene, r, ID 780 1908 KGEE 99.9 TX Monahans,k,KG100 relog960)
ļ	1908 kGEE 99.9 TX Monahans.k.kG100 relog960	D. C
١	1928 KBIM 94.9 NM Roswell, ads, ID 102	2
1	1929 KLLL 96.3 TX Lubbock, k, ID, relog 880	o o
-	10/14 tr	-
l	1239 WYNN 101.5 LA Baton Rouge, k, ID 40, 1243 WCGZ 98.1 LA Baton Rouge, r, ID 1356 WYJD 90.9 AL Brewton, rc, Y99,\$,ID net	5
۱,	12/3 WCC7 OR 1 LA Baton Rouge r TD	,
	1356 WVID 90 0 AT Brewton re Y99 \$ TD ne	ω.
1	Es relog	•
.	2029 KSTE 93.9 TX Corpus Christi. ID 800	0
5	2029 KSTE 93.9 TX Corpus Christi, ID 800 2101 KTSU 90.9 TX Houston,ID 620	
	10/19 gw (WQSB is local 105.1)	•
	1156 JOSE 100 5 AT Albertuille week \$ 2	3
1	1150 West 104.5 At Albertville, weak, 2	,
	1156 WQSB 104.5 AL Albertville, weak,\$ 2 1156 WQSB 105.7 AL Albertville, strong, \$ About the two WQSB logs, they must have mov	
	About the two west logs, they must have mov	eu
	to new tower on this day or other problems.	
	It's not in my rcvr, checked it out on my car. 105.7 is weakly receivable in downtown	a.r.
	5. 105.7 is weakly receivable in downtown	
į	Huntsville at 40 mi. Froblem seems to be	
-	WAVE-AN OUGHZ in Albertville. As long as	
	WAYD-AM IS ON AIR 104.5 & 105.7 Signals are	
	present. Weak audio irom WAVU heard on each	
	side of freq., with WWSB's audio in middle.	~
	When WAVU off at sunset both 104.9 and 105.	7
	disappear. I hope this stops soon. Anyone	
	MAYU-AN 640kHz in Albertville. As long as WAVU-AN is on air 104.5 & 105.7 signals are present. Weak audio from WAVU heard on each side of freq., with WUSB's audio in middle. When WAVU off at sunset both 104.9 and 105. disappear. I hope this stops soon. Anyone else had this type of problem?	
	I mis has seen the most broductive by I a	e
	had in one year since I began in 1983. Es	on
	7/5 strongest of the year. 1st Es heard in	
	0at 23	

WI WUEC 89.7 Eau Claire, University of Wisconsin, zip 54701. Letter from Robrt L. Bailey, Director says they operated by remote control & it is not possible to turn off the stereo generator during monphonic programs. (Elving)

OH WONE 97.5 Akron, P. O. Box 1590. zip 44309-1590. Prepared card & qsl card in 1 month from B. Simms. (Ross)

OH WRJS 98.5 011 City, P. O. Box 1127, zip 16301. Prepared card in 1 month from Bernard Staudt, CE. (Ross)

NC WNAA 90.1 Greensboro, N.C. A. & T, State University, Suite 200, Price Hall, zip 27411. Letter from Tony Welborne, GM in 1 month. (Ross)

FL WJIS 88.1 Bradenton, P. O. Box 1640, zip 33506-1640. Letter from Roger J. Roth, Dir. of Eng. in 8 weeks on letterhead of sister station WCIE Lakeland, FL. "atmospheric conditions provided the reception of WJIS in several areas of the country during that week". (Nieman) Also reported gsl'ed by Cathy Busseu, Office Manager for Hank Holbrook, but address different as 6455 Parkland Dr., Suite 110, Sarasota, FL 34243 who says the call sign stands for "With Joy In Serving"

NY WTNY 93.5 Watertown, 134 Mullin St., zip 13601. Letter from D. C. Alexander, Pres. in 10 days confirming my reception of T-93-FM. (Nieman)

FL WPDS 93.3 Tampa, 801 Jackson St., zip 33602. Note on fm coverage-map, signed by Pat Sh????? ?. (Holbrook)

OH WELA 104.3 East Liverpool, Box 90, 236 West 6th St., zip 43920. Letter from James A. Grimes, CE. (Holbrook)

DE WOVU 101.7 Ocean View, Route 1, Box 33, zip 19970. Letter from James A. Hammond, General Manager. (Holbrook)

PA WLTJ 92.9 Pittsburgh, 1051 Brinton Rd., zip 15221. Coveragemap & verie message from Randy Dietterich, CE. (Holbrook)

NY WRHU 88.7 Hemstead, Hofstra University, zip 11550. Letter from Jeffrey C. Kraus, General Manger for 470 watts reception! (Holbrook)

MI WNFA 88.3 Port Huron, Box 123, zip 48060. Letter from Ed Czezada, CE in 3 weeks. (Ross)

MI WHNN 96.1 Bay City, % 5196 State St., Saginaw, MI zip 48603. Letter from Robert Friedle, CE in 2 months. (Ross)

NY WYRK 106.5 Buffalo, 500 Rand Bldg., zip 14203. Letter from Ken Johnson, Pgm. Dir. in 1 month. (Ross)

NC WWOK 105.7 Columbia, * P. O. Box 1418, Nags Head, NC 27959. Letter & much promo material from Dale H. Cook, CE. (Yingling)

TX KTKS 106.1 Dallas, Osl card signed by Mark V. Caguer (?) in 1 week with the wrong call sign on card as KISS-106 FM (KISS-FM is their jingle name). New call for KIXK-FM. (Yingling)

Reporters: Robert S. Ross, VE3JFC of London, ON; Bruce Elving of Esko, MN; Hank Holbrook of Chevy Chase, MD: Dave Nieman of Akron. NY; & me, editor. A few reminders to reporters to this column. Please give all information you can. You can type up your report the same way I do this column, so it would be easier for me. Please give the freq. and the address. This is because stations can change ownership very often & the post office may not forward your report to the new address if the time for forwarding as expired. I know how it is to have your letter returned undeliveable due to address change. If the signature is hard to make out, then say so. 73's... Ton







LOGO'S RUN



THOMAS J. YINGLING, JR. 221 PINEWOOD ROAD BALTIMORE, MD 21222-2345

















TUCSON

WPEC-TV



















INDIANAPOLIS, IN







HONOLULU





KWWL Television

































































I have received lots of logos in the mail; so I guess my column has gone over with a bang. To make it easier for you to send in id logos, here are a few suggestions. If you collect tw guides when you are on vacation, and don't want to cut out the logo, then send in a good xerox copy of the page. Or then buy 2 copies of the same issue. Another ideal is to xerox copy your gsl letter & envelope & send it in. The station's logo maybe on the letterhead paper. Also check your local newspaper or cable guide for logos for you may just see one there. Also I have just subscribed to <u>Broadcasting</u> magazine which always has some id logo in it. I'm planning a special issue on skip channels 2-6 as soon as I get enought items for use.

Heres the list of logo's for this month: WJLA-7 Wash,DC / WNUV-54, WKJL-24, & WBAL-11 Baltimore, MD / WMDT-47 Salisbury, MD / KGMB-9, KHNL-13 & KITV-4 Honlulu, HI / WVUE-8 New Orleans, LA / WOWT-6 Omaha, NE / KTVQ-2 Billings, MT / KOVR-13 Stockton, CA / WNEP-16 Scranton, PA / WNOL-38 New Orleans, LA / KRTV-3 Great Falls, MT / KOLD-13 Tucson, AZ / WAGA-5 Atlanta, GA / KXLF-4 Butte, MT / KPAX-8 Missoula, MT / KZKC-62 Kansas City. MO / WGNO-26 New Orleans, LA / WPEC-12 West Palm Beach, FL / WOC-6 Davenport, IA / WXIN-59 Indianapolis, IN / WAKA-8 Selma, AL / KOLN-10 Lincoln, NE / KGIN-11 Grand Island, NE / WPTY-24 Memphis, TN / WTHR-13 Indianapolis, IN / KSDK-5 St. Louis, MO / WEEK-25 Peoria, IN / KMGH-7 Denver, CO / WPRI-12 Providence, RI / KSHO-26 Honolulu, HI / WUHQ-41 Battle Creek, MI / WFTS-28 Tampa, FL / WSNS-44 Chicago, IL / WOR-9 New York, NY / WLWT-5 Cincinnati. OH / KWWL-7 Waterloo, IA / WEEK-25 Peoria, IN / WTEN-10 Albany, NY / WCCB-18 Charlotte, NC / WHAG-25 Hagerstown, MD <-page 2->> KPLC-7 Lake Charles LA / WLTV-23 Miami, FL / KPTM-42 Omaha, NE / KADN-15 Lafayette, LA / WFLX-29 West Palm Beach, FL / WDZL-39 Miami, Fl. / NTV-? possible CUBA or Nebraska ETV / KULR-8 Billings, MT / WTAF-29 Philadelphia, PA / KMEG-14 Sioux City, IA / WKBS-48 Philadelphia, PA now off air, now used in Altoona, PA ch.47 / WGEM-10 Quincy, IL / CKSH-9 Sherbrooke, PQ / CKTM-13 Three Rivers, PQ / WTLV-12 Jacksonville. FL / KHQA-7 Hannibal, MO / CHLT-7 Sherbrooke, PQ / WSOC-9 Charlotte, NC / WSVN-7 Miami. FL / LOGO's RUN to set with a Computereye's picture of me last.

Thanks to the following for their logo's: Paul Gains, Rich Eddie, Matt Sittel, Robert Schweitzer, Steve West. 73's for now... $T_{\Omega, m}$



VHF UTILITY DX



DONALD L. BLEVINS 3615 EAST LOMBARD STREET, BALTIMORE, MD 21224-2408 PHONE # 301-522-2089

VHF UTILITY DX this month will continue the feature on public service frequencies withfrequencies 37.72, 37.74, 37.76. I will continue this series unless I am otherwise notified. I have gotten very little response of late, so I can only assume that this series is acceptable. I would appreciate comment POSITIVE or NEGATIVE!!!

37.72	
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	Oklahoma Gas & Electric				
KKC-306	Fort Smith	AR	KKY-893	Ardmore	οĸ
KKJ-737	Ozark	AF:	KZN-412	Bristow	OK.
KWT-540	Van Buren	AR	KKE-351	Chandler	OK
	Georgia Power Company		KKG-324	Drumwright	OK
KIQ-675	Augusta	GA	KKC-335	Durant	OK
KU0-477	Augusta	GA.	KKC-309	Enid	OK
WXA-951	Austell	GA	KKT-267	Guthrie	0K
KIF-615	Claxton	GA	KKR-395	Healdton	OK
KIC-450	Evans	GΑ	KRU-431	Konawa	OΚ
KIQ-784	Hinesville	GA	KBC-218	Muskogee	0K
KIC-458	Louisville	GA	KKC-311	Muskogee	OK
KIC-457	Rome	GA	KKL-261	Muskogee	0K
KUD-887	Rome	GA	KAP-396	Norman	OK
KIC-459	Statesboro	GA	KFL-436	Oklahoma City	0K
KID-404	Summerville	GA	KKC-310	Oklahoma City	OK
KIH-806	Swainsboro	GA	KKL-794	Oklahoma City	OΚ
KIC-461	Thompson	GA	KKT-658	Oklahoma City	OK
KZJ717	Villa Rica	6A	KVJ-512	Oklahoma City	OK
	Page I Rural Water Dist	011	KKG-767	Pauls Valley	OK
WSV-356	Shennandoah	IA	KKB-842	Ponca City	OΚ
***************************************	Jackson County Water Util	117	WXU-730	Red Rock	OK
KTX-862	Brownstown	IN	KCK-485	Sapulpa	OΚ
INIA OUZ	New Bedford Gas/Edison Lt	TIM	KKD-277	Sapulpa	OΚ
K6U-720	New Bedford	MA	KKG-260	Seminole	OK
WQK-664	Plymouth	MA	KKC~306	Shawnee	0K
MGIV-004	City of Detroit	11164	KAZ-827	Sulphur	OΚ
KJA-341	Detroit	ΜI	KUI-376	Tonkawa	0K
KQD-287	Detroit	MI	KZC-290	Watonga	ΟK
K0C-337	Detroit	MI	KFL-438	Wewoka	ŌΚ
WQD-286	Detroit	MI	KKC-334	Woodward	OK
KQE-632	Detroit	MI		The York Water Company	
KQF-478	Detroit	MI	KGE-577	York	PA
KQF-479	Detroit	MI	WQM-529	York	FΑ
KQF-480	Detroit	MI	W@M-530	York	PΑ
KQH-349	Detroit	MI		Houston Lighting & Power	
KLL-373	Port Huron	MI	KET-591	Alvin	ΤX
KEL-3/3	Freeport Mower Elec Co-op	111	KKZ-542	Angelton	TX
KAB-326	Albert Lea	MN	KKC-896	Baytown	ΤX
MAD OZO	Mississippi Power & Light	1114	KKC-894	Bellaire	TX
KKB-218	Clinton	MS	KJC-723	Channelview	ΤX
KCK-246	Greenville	MS	KKC- 8 99	Freeport	ΤX
KTS-349	Jackson	MS	KKC-898	Galveston	TX
KLN-397	Morton	MS	KKC-893	Houston	TX
WSY-458	Pearl	MS	KKC-901	Houston	ΤX
WOT TOO	Deptford TWP Muni Auth Ut		KKD-348	Houston	ΤX
KJZ-813	Deptford TWF Hami Hath bt	LИ	KKQ-341	Houston	TX
1/42 615	Orange & Rockland Cou Uti		KKQ-880	Houston	ΤX
KEB-502	Greenville	NY	WRH-303	Houston	TX
KTY-910	Middletown	NY	WSP-755	Houston	TX
KEB-503	Spring Valley	NY	KKR-611	Houston	ΤX
COD CLAR	Oklahoma Gas & Electric	. 4 (KSR-783	Humb Le	TX
FIU1-375	Alva	OΚ	KKA-548	Katy	TX
KKD-281	Ardmore	OK	KKA-546	Rosenburg	ΤX
	in americ	011	KJL-451	Seabrook	TX

			WEE 005	O. b tri	- :					Alabama Power Company	
KKC-423	Sealy		KFE-386 KIL-459	Sebastian Titusville	FL FL		Houston Cou Elec Co-op		WYC-912	Autaugarville	AL.
KKG-438	South Houston		KTJ-647	West Palm Beach	FL	KYB-492	Crockett	TX		Birmingham	AL
KF0-983	Tomball '		KIA-821	West Paim Beach	FL		West Texas Utilities Co	TV	WYC-914	Blountsville	AL.
KKF-294	Wharton	1 ^	WSV-710	West Palm Beach	FL	KKM-740	Eden	ТX	KIN-211	Citronelle	AL
	Clark Electric Co-op	WI		Pataula Elec Mem Corp		050	Jackson Cou Elec Comop	ТX		Clanton	AL
KSA-405	Greenwood Monongahela Power Compan		KIA-500	Cuthbert	GA	KKC-358	West Texas Utilities Co	1 /		Cordova	AL
		'wv		City of Webster City		KKD-258	Eldorado	TX	KRP-230	Elmore Greenville	AL AL
KQA-319		WV	KAI-790	Webster City	IA		Fort Davis	ΤX		Heflin	AL
KQB-257 KQB-451		WV		Pointe Coupee Elec Mem			Fort Stockton	TX	WYC-920	Hokes Bluff	AL
WQH-630		WV	KKD-438	New Roads	LA		Tri-County Elec Co-op		KRP-228	Jasper	AL
	Nettie	WV		Western Massachucetts Ele		KRE-953		ΤX	KZV-600	Kellerman	AL
WRE 340) Parkersburg	WV	KKC-746	Blanford	MA	KKF-232		ΤX	KRP-226	Kellerman	AL
				Houlton Water Company	W.C.	WRR-581	Haskell	ΤX	KLR-818	Kent	AL
	37.74		KCG-713	Albemarie Elec Mem	ME	KKJ-628	Haskell '	ΥX	WYC-910	Maylene	AL
₽	31.17		KIC-527	Hertford	NC	KKN-956		TX	KIE-383	Mobile	AL
	M		K10-347	Northern Util Inc	140	KNBI-468	-	TX	KIL-615	Mobile	AL
KNRP-271	Marshall County Gas Dist Albertyville		KCD-951	Farmington	NH	KKF-233	Junction	TX		Mobile	AL
KG0-665	Arab	AL	NOD JOI	Oklahoma Gas & Elec	1417	KDN-367	Keller	TX	KIA-642		AL
1,00 000	Black Warrior Elec Mem Cor	AL	KBS-218	Muskogee	oк	KKE-432	Knox	TX TX	KMG-424	Mobile	AL
KIA-607	Demopolis	AL.	KKC-311	Muskogee	OK		McCamey	ΤX		Montgomery	AL
	Marshall County Gas Dist	ML.		Sapulpa	0K	KNBH-994 KKA-655		ΤX	KIC-311		AL AL
KIJ-249	Gunthersville	AL		Pacific Power & Light		WQT-539	Memphis Menard	TX	KZV-601	rarrish Prattville	AL
KJB-688	Scottsboro	AL	KEE-705	Cave Junction	OR	WQM-481	Miles	TX		Prichard	AL
	Oklahoma Electric Company		K0C-480	Grants Pass	OR	KKA-480	Moran	ΤX		Snowdoun	AL
KKC-308	Fort Smith	AR		Penn Power & Light		KKC-305	Munday	ΤX		Uniontown	AL
	Oklahoma Gas & Electric		KGE-749	Allentown	FΑ	WQT-540	Ozona	ΤX	KLZ-962	Verbana	AL
KKJ-737	Ozark	AR:	WRN-437	Berwick	PA	WSY-743	Presidio	ΤX		Wetumpka	AL
KWT-540	Van Buren	AR	KYE-324	Columbia	PΑ	KKJ-630	Quanah	ΤX	K10 010	Arkansas Power & Light	
1040 000	Pacific Power & Light		KGA-924	Conestoga	PA	KKF-231	Rising Star	ΤX	KZH-738	Cushman	AR
KMC-908	Cresent City	CA	KGE-748	East Petersburg	PA	KKP-229	Robert Lee	ΤX	KVD-797	Mabelvale	AR
KAD EGO	Empire Electric		KTJ-652	East Petersburg	PA	KKF-268	Rotan	ΤX		Pine Bluff	AR
KAB-500 KAF-662		CO	KYA-327	Easton	PA	KGS-801	San Angelo	ТX		Carlsbad Muni Water Dist	
MAC TOO2		CO	KGD-832	Martic	PA	KKD-259	San Angelo	TX	KTA-312	Carlsbad	CA
KGH-947	Bessemer Irrigation Ditch		KYA-326	Northampton	PA	KKM-741		ΤX		Costa Real Muni Water Dis	
17011, 347	Connecticut Light & Power	CO	KSG-640	Shamokin Dam Strawberry Ridge	P'A	KKM-771	Santa Anna	TX	WSU-605	Carlsbad	CA
KBQ-508		СТ	KYA-330 KAZ-855	Washingtonville	PA PA	KKD-347		ΤX		Pico County Water Dist	
		CT	K6D-977	Wernersville	F'A	KKD-366	Spur	TX TX	KS0-206	Pico Rivera	. CA
KCC-959		CT	KYB-471	Wilkes Barre	PA	KKA-791	Stamford	TX		Connecticut Power & Light	
		cr	KAY-289	York Haven	PA	KKM-738	Throckmorton	1.0	KY6-930	Berlin	CT
		CT.	KYA-329	York Haven	PA	KRQ-740	Tuscola	TX	KCC-959	Bristol	CT
KCB-462		CT		City of Rock Hill		KKC-985	Vernon	TX	WYL-791	Chesire	
KXB-294		CT	KII-326		SC	KKM-739	Winters	ΤX	WRX-420	Middletown	CT CT
KCB-661		CT	KIM-677	Rock Hill	SC	10011 703	Pacific Power & Light		KCB-399	New Britian	LI
	Mansfield	CT	KUD-863	Rock Hill	SC	WXN-634		UT	REG OOF	Delmarva Power & Light	DE
KCB-400	Meridan	CT	WRD-904	Rock Hill	SC	******	Vernon Electric Co-op		KF 0 -20 5	Wilmington Kansas Power & Light	DE
	New Britian	CT		West Texas Utilities Co		KSB-602	Hillsboro	WI	KAJ-874	Bonner Springs	кз
	New Milford	CT	KLD-617	Abilene	ΤX	KSB-305		WI	KFS-318	Clay Center	KS
		CT	KKA-429	Abilene	ΤX		Pacific Power & Light		KYA-593	White City	KS
		CT	KKJ-627	Albany	ΤX	KBM-496	Buffalo	WY	K1H-030	Louisville Gas & Electric	
KCA-927		CT	KKE-350	Alpine	TX	K0H-722	Casper	WY	KER-378	Ballardsville	KY
KQT-724		CT	KKR-230	Aspermount	TX	KEY-470		WY			
LIVII 7EC	Florida Power & Light		KKA-713	Azle	ΤX	K0H-721	Cody	WY	K6S-659	Bardstown	KY
		FL	WQM-480	Baird	TX	K0H-723		WY	KRV-525	Center	KY
		FL.	KKA-467	Ballinger		KBQ-897		WY		Louisville	KY
KIA-816		FL.		Jackson Cou Elec Co Co-op		K0L-418		WY		Louisville	KY
		FL	KKJ-889		TX		Glenrock	WY		'Louisville	KY
		FL FL	1000 001	West Texas Utilities Co	ТX		Greybull	WY		Magnolia Middletour	KY VV
		r L F L		Big Lake	TX		Laramie	WY WY		} Middletown Muldraugh	KY KY
		r L. Fl.	KKJ-732	Blackwell Bronte	TX	K06594			KVD-800	Sonora	KY
		ru. FL		Bronte Childress	TX	KON-723		WY	MAD-800	- New Bedford Gas/Edison Lt	
		FL.	KKA-589		ΤX		Riverton	WY WY	I⊴BW-284		MA
KIC-236		FL		Clarendon	TX	KB0-480		W Y W Y	15,DW="2,C)#	actions (1.11%)	. 1177
		FL	KVD-906		TX	K06-595		WY			
KIA-601		FL		· •		KUH-725	Worland	VV 1			
WRT~798	·		^								
KSE-437	Riviera Beach	FL 3	b					_	-		
KMF-429	Sanford	FL.	_					3	7		

	Pittsfield Water Dept				Texas Electric Serv C	0
KST-858	Pittsfield	MA	WSW-81		Andrewax	TX
	New Bedford Gas/Edison Lt		KKQ-33		Andrews	TX
KVH~954	Plymouth	MA	KKC-76		Big Spring	TX
	Union Electric Company		` WQV-44		Big Spring	TX
KAD-410	High Ridge	MO	₩QV-44	5	Big Spring	TX
	Barnegat Water Company		KAZ-72	3	Bryson	ΤX
E/VV−475	Barnegat	NJ	KFE-93	7	Clyde	Τ̈́X
	South Carolina Elec & Gas		KKB~53	4	Colorado City	ΤX
KEB-955	Bushy Park	SC	KU039	0	Colorado City	ΤX
KIA-461	Charleston	SC	FFED-50.	6	Crane	ŤX
KIF-508	Columbia	SC	場口ビーブロ :	0	Eastland	Τ̈́X
KUR-822	Columbia	SC	MOM70	1	Eastland	TX
KUT-416	Columbia		KF7-79.	4	Fort Worth	ΤX
KUT-417	Columbia	SC		7	Goldsmith	
KUW-583	Columbia	SC	MDU-201	2	Goldsmith	TX
WXG-432	Columbia	SC	EKR-50/	4	Lamesa	TX
WYL-914	Summerville	SC	レレロニョ つ:	7	Midland	ŤΧ
KUR-824	West Columbia	SC	MOH-90%		Midland	TX
NON GZ4	west columbia	SC	KQH-935	Š	Midland	TX
KAX-920	O'Donnell		ビビローファ ク		Midland	TX
KKC-767	Odessa	TX	LINAY CC		Mohanas	TX
W6K~745	Odessa	TX	VUID_EAR		Mohanas	TX
WGK-746	Odessa	TX	VVD-200	-	Morton Valley	TX
WRS-291	Odessa	TX			nor con variey	ΤX
WSW-815	Odessa	TX				
KUM-248	Penwell	TX TX				
WGC-980	Powell	Τx				.
W6C-981	Powell	ΤX		35		
KKE-267	Snyder	ΤX				
KKB-884	Sweetwater	ΤX		Α,		4
KRK-787	Wichita Falls	ΤX		6 2		3
WRS-290	Wichita Falls	TX	77			
KRK-787	Wichita Falls	TX		٧.		5
	Wisconsin Natural Gas	1.4		:		**************************************
KTA-321	Appleton	WI				
KQT-738	Fort Atkinson	WI				
KRQ-633	Kenosha	_				,
KBU-65	Oak Creek	WI	-		₹	4
KJB~620	Oak Creek	WI			· " .	_
KXP-479	Racine	WI		*****	. II F	_
KQT-737	Emmet	WI	135	318	4S 8 45 98	135
KSD-255	Pewaukee	WI				4,0,0
	Monongahela Power Company	WI				
K0A-319	Clarksburg					2
KQB-541	Kingwood	WV		7	المراسية المراسية	Ε
WQH-630	Morgantown	WV	# E	٧		4
WRL-546	Morgantown Nettie	WV		1		1
KQC-370		WV		-		4
KQA-449	Parkersburg	WV				
osmi mini⊃	Webster Springs	WV				



[XQ DENTIFIED DX]

Robert Grant, KDSEN 5775 Bishop Detroit, MI 48224. December, 1986.

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FM unIDs:
       Matt Sittel. 220 Brookfield Drive, Kingsport, TN 37663.
                     (From Jekyll Island, GA:)
90.1 1748 EDT - SS, but played Aretha Franklin, Level 42 and Culture
1986: Sum 27 Jun 188
                                      Club mx in HE. No DJ, "Torreon" possibly heard.
                          (From Kingsport, TN:)
      Tue 5 Aug Bs 92.5 1913 EDT - Classical music. (PTA: MO, KS, CO.)
                  " 100.3 1943 EDT-- k mx (PTA: OK, etc.)
      Tue 12 Aug 16 92.9 0016 EDT -- b mx (probably WZEZ, Nashville. -RG)
Keith D. Pugh, 227 Martin St., New Hope, AL 35760-9639.
 1986: Sat 10 May Es 100.9 1120 CDT - r, NQ-101", "In the heart of downtown Rockville" (PTA: IL-NY) (there is WQFL in Rockford, IL, But that is listed as g -RG)
             " 104.1 1121 CDT- r, "Hot-FM", ph# 244-9870. (suspect WYNS)
      Sum 11 May Es 99.9 1522 CDT- k. "KJ-100" mention Nashville or Asheville. (PTA: TX,NM.)
      Sat 17 May Es 107.9 1709 CDT- r, "Canadian Top 20", montreal wx, mono, //107.5.
                                      (I think most likely CBJE, Chicoutimi, PQ. -RG)
                      91.5 1904 CDT - reggae mx, "Sunny Ja" mono, mention Brooklyn.
                                       (likely WNYE. -RG)
                      97.5 1218 CDT-- r, mention Morrisville. (PTA: NJ,NY,MA)
      Sun 25 May BB
                      98.5 1246 CDT-- ph # ?73-0110 (PTA: ME, MA, NY.)
                      97.7 1250 CDT-- "T-97 TriState wx" (PTA: " " "
       Tue 10 Jun Rs 102.3 2229 CDT-- k, "Q-102", DJ Jim West. (PTA: TX.)
       Wed 11 Jun Es 97.9 1241 CDT- ph # 424-9898 (PTA: TX, KS, SD, MN.)
                   " 100.1 1358 CDT-- sounded like "KFMS" (PTA: SD.MN.ND.NE.)
                     91.5 1546 CDT-- r, "radio 91", request # 898-0357. (suspect WYCS)
                 " 100.9 1630 CDT- "Radio Afternoon, Thunder Bay.." (CBQH?) (I would think so -RG
       Mon 7 Jul Es 88.5 1207 CDT - r, ph# 748-2828 (suspect WKPX-FL.)
       Thu 10 Jul Es 100.7 0911 CDT-- r, DJ Liz Soular, ph# 931-1007. (PTA: NJ, MA.)
       Sun 13 Jul MS 105.1 0153 CDT-- "Southern New England's Lite-105" (suspect WWLI-RI.)
                                       (without doubt. -RG)
       Mon 14 Jul Es 102.7 1829 CDT-- r, "Solid Gold Kiss-FM" (PTA: NEest US.)
                                       (Definitely WKSG, Mount Clemens, MI. -RG)
       Wed 16 Jul Es 95.3 1223 CDT- "Your Star Station, K-95-FM" (PTA: MN, WI.)
       Tue 5 Aug Es 91.3 1729 CDT-- "CBC Radio", $ (CBD-FM, NB?)
                       92.3 1750 CDT - sounded like "WIVR" (PTA: CT, ME, MA, RI, VT, NY, NH, PA.)
                       93.7 1940 CDT- r, ph# 842-FM93 (suspect KWYR, SD.)
      Mon 11 Aug Tr 102.5 or '.7 0123 CDT-- r, "all hit super 102" (ant. NEast.)
Sat 16 Aug Es 91.5 1029 CDT-- r, mention Duke City, ph# 266-6688 (suspect NWID-TX.)
Wed 8 Oct Es 96.1 1825 CDT-- b, "Stereo 96", mention Holton. (PTA: NY, PA.)
                                       (most likely WTMS, Presque Isle, ME, near Houlton. -RG)
       Tue 14 Oct Tr 88.1 1329 CDT- "Radio for the blind and print handicapped"
                                       (susp. WRBH-LA) (that's 88.3, but the format matches. -RG)
       Wed 22 Oct MS 101.1 0024 CDT -- ad for "Whiskers", r, "Ottawa(?) Valley's favorite mx..."
TV unIDs:
       Matt Sittel, 220 Brookfield Drive, Kingsport, TN 37663.

Non 7 Jul Bs ch 2 1028 EDT - "Baby Magic" talk show. (suspect Mexico.)
                   " ch 2 1043 MT- "egghead" guy talking about geometry. (PTA: Cuba, Mexico.)
                      ch 3 1029 MDT - "Flipper" dubbed into SS at 1030. (Suspect XHY.)
                      ch 3 1601 EDT - "Hour Magazine" (KDFW, TX in on 4 at time.) (FTA: TX)
       Thu 10 Jul Bs ch 3 1006 EDT - "Guess What" CTV. (PTA: ON, NS, NB.)
       Mon 14 Jul Es ch 4 1940 EDT - "Hee Haw" fading in/out against KTIV, IA. (FTA: NE, KS.)
       Wed 16 Jul Es ch 2 0941 EDT - SS, children talking about the rooms of their house.
                   " ch 3 0943 EDT -- Weird TP, no audio. (see drawing 1) (I saw this same TP
                                       on a # station, just before WEAR took over, I think
                                       this is the Santa Clara, Cubs station. -RG)
                      ch 2 1217 MDT-- "Donald Duck" in SS. (PTA: QBA, DR, PR.)
                   " ch 3 1217 EDT - "Donald Duck" in SS, // ch 2 above.
       Thu 31 Jul Es ch 3 1733 EDT - "Scooby Doo" (FTA: KS, NE, CO, WY, MT, SD, ND.)
                   " ch 4 1734 EDT - "Little House On The Prairie" (PTA: " " " .)
                   " ch 4 1735 EDT -- "Dukes Of Hazzard" (these 3 in with KTVS, KDUH, KLNE, KOTA.)
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Matt Sittel, cont. (From Jekyll Island, CA.)

Mon 4 Aug Es ch 2 1025 EDT- "Donahue"

" " " ch 2 0032 EDT-- "M*A*S #H"

Thu 28 Aug Es ch 3 1751 EDT -- "Wheel Of Fortune"

TV unIDs. cont.

(That's KQ-2, KQTV, St. Joseph, MO. -RG)

then start a telenovela, probably called "Maria

complete with logo to other countries. -RG)

Bs ch 5 1205 EDT -- movie in SS. (PTA: ???. KQTV still in.)

" ch 3 1650 EDT - show about Benny Goodman. (PTA: TX, NM.)

" ch 2 1651 EDT- unknown SS telemovels. (PTA: MX.)

" ch 3 " " - // to above ch 2.

(From Kingsport, TN.) Sun 3 Aug Es ch 3 2136 EDT - Documentary on old west. (PTA: ND.)

" " " ch 3 1915 EDT - nxcast, wx tease: "stormy night?"

Sat 30 Aug Es ch 4 1022 EDT -- "Popeye" in SS. (KACB, KAMR in.)

Fri 29 Aug Es ch 6 1952 EDT - "Newscenter 6" (KPRC-2 and KMOL-4 in.)

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CCI- unidentified DX.
                                                                                        TV unIDs. cont.
1986: Sat 26 Jul Bs ch 2 1100 EDT - ABC, ID as "KG-2" or "KQ-2" or something like that.
     Sun 27 Jul Es ch 2 1330 EDT - FES. "Central Educational Network" seen. (PTA: MO, TX.)
     Tue 5 Aug Es ch 5 1930 EDT - "$1,000,000 Chance Of A Lifetime". (PTA: CO, KS, OK.)
     Mon 11 Aug MS ch 2 2354 EDT -- Ad for "Brass" -commercial or movie? (PTA: IL, KS, IN, WI.)
     Tue 12 Aug MS ch 2 0008 EDT - nx with Star Trek fan story, lady named Martha Noguchi.
      " " ch 2 0048 EDT -- Ad for something sponsored, running Thursday-Saturday,
     on Old West background, sponsored by United Department Stores and Everett's. (PTA for MS NW)
     Fri 22 Aug Es ch 3 1841 EDT -- Variety pgm: "K1 Show De Los Polivoces" (The Show of
                                 Many Voices) at 1900 ID as "Canal Tres, Tebes" with
                                 ID slide (photo 2) and ad for Gonther Furniture Co.
                                 Angelina" (the second photo you sent is the Televisa
                                 logo, meaning this program was produced by Televisa,
                                 which runs 4 nets in mexico but also imports it's programs,
                                                                                          FM IDs:
               " ch 3 1800 EDT - and "Peoples Court", start "Jeopardy" (KETX and WLET in)
                                                                                               Waldo Bishop: (9/86 CCI)
                                                                                               Wed 11 Jun Es 97.5 1628 EDT -- "The Rock-K-97" (WKMZ, Martinsburg, WV. -Matt Sittel.)
                                                                                                (Matt also sent IDs to many of his own unIDs.)
    <del>福州朝朝苏州西州南州南州城市的北京大学的南州市北京大学的大学大学大学的大学大学和大学的大学和大学的大学和大学和大学的大学的大学的大学和大学的大学的大学的大学和大学的大学和大学和大学和</del>
                                                                                          TV IDs :
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Keith D Pugh, 227 Martin St., New Hope, AL 35760-9639.

1986: Thu 19 Jun Es ch 2 1115 CDT - "Ottawa Midday" (PTA: ON. CIII?)
Wed 25 Jun Es ch 5 1517 CDT - "Little House On The Prairie" (FTA: SD, ND, CO, NE.) " " " ch 4 1632 CDT- "L.H.O.T.P." (PTA: " " " " ") Thu 17 Jul Es ch 2 1838 CDT-- "Jeopardy" (PTA: IL, WI, IA, MN.) " " " ch 3 1853 CDT - "Entertainment Tonight" (PTA: " " " ") Sat 19 Jul Es ch 4 1828 CDT - ad- "Mathis Bros. Beds", Steve Adams wx. (susp. KTVY.) " " " ch 5 1830 CDT -- "Jeopardy" (PTA: TX, OK, CO.) " " " ch 3 1835 CDT - "Barney Miller" (PTA: TX, CO.) " " " ch 4 1839 CDT-- "Star Trek" (FTA: CO, OK, TX.) " " " ch 5 2205 CDT - "Ryewitness News", mention Dallas. (FTA: TX, CK.) (most likely KXAS, Ft. Worth/Dallas. Does anyone know which mx nickname KXAS uses? -RG) Won 4 Aug Es ch 2 1608 CDT - "Batman" in SS. (PTA: MX.) (this can be any affiliate of Televisa net 4, which originates at XHTV. This rules out XEW and XEPM. -RG) Mon 4 Aug Es ch 3 1638 CDT-SS, (see drawing 3) * ch 5 1701 CDT- XHTZ Wed 20 Aug Es ch 2 1953 CDT- "XETU" (This has been a source of confusion these days. "XETU" is not a station, but a children's program. An equivalent american program would be called "WYOU". -RG) Thu 21 Aug Es ch 4 1958 CDT-SS "Tele Dario" (PTA: Cuba) Thu 28 Aug Bs ch 3 1629 CDT -- ad- "Big Country News" (PTA: TX.) Wed 8 Oct Es ch 5 1259 CDT-SS, "Imevision" (This is an affiliate of one of two government-run commercial networks not owned by Televisa, these are known as net 7 and net 13. The Televisa Mexican nets are 2, 4, 5 and 9. -RG) Wed 8 Oct Es ch 2 1328 CDT- Full CBP with Latin mx. (PTA: MX.) " " " ch 3 1354 CDT-- XHBQ. (PTA: MX.) " " ch 2 1613 CDT - TP with "ICRT" at top center. (Cuba?) * " " " ch 3 1613 CDT- " " " " " " " " Tue 14 Oct Es ch 4 1831 CDT- "Newlywed Game" (Suspect WNBC.)

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Randy Miltier, N6HMO, 1068 Fairview Ave., San Jose, CA 95125.
1986; Sun 22 Jun Es ch 2 1404 PDT- ABC baseball, Oricles/Red Sox. (PTA: ENE)
     Sun 29 Jun Es ch 2 0900 FDT- ph# 1-800-453-6900 (?) then ID KN?? (Drawing 4)
      Fri 22 Aug Es ch 2 0928 HDT- "Super Password" (PTA: E.)
      " " ch 3 0940 FDT -- pgm with C&W singers, then "Super Password" at 1002.
                                    definitely CBS and KENW also in at time. (PTA: SE.)
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Randy Miltier, cont.
 1986: Fri 22 Aug Es ch 5 1007 PDT- "Super Password" (PTA: E.)
       " " " ch 4 1019 PDT - ABC, "All My Children". ID at 1037 "
       " " ch 3 1235 PDT - nature pgm. (KTVQ-MT in at time on ch 2)
  Robert Grant, 5775 Bishop, Detroit, MI 48224, editor.
 1986: Tue 5 Aug Es ch 5 1815 EDT - "ActionNews 5" with report from Washington about
                                  Jesse Helms, live via LIVESTAR 5 sattelite. the station
                                  was a fat dark 5 in a solid light color circle (PTA: NC.)
                " ch 5 1827 EDT- "Dr. Who" (PTA: SE'n US.)
                   ch 5 1848 EDT - "Timmy and Lassie" (PTA: " ".)
               " ch 6 1920 EDT -- K???-TV with a large 6 in circle and small letters
                                  over circle near the bottom. appeared to be KT??.
                 " ch 6 1942 EDT -- "M*A*5*H" (PTA: TX, OK. KNIN 92.9 in.)
                   ch 3 2334 KDT- start "Entertainment Tonight". O offsat.
         " * " ch 3 2334 EDT - "M*A*5*H", plus or minus offset.
      Wed 6 Aug Es ch 3 0030 EDT - zero (0) offset, end "Newsource" copyright 1986
      Tauffer Communications. (PTA: W)

Mon 11 Aug Es ch 3 0953 EDT-- sports interview with 730 temp and CDT time
                                  superimposed in upper right. (PTA: TX.)
      Mon 18 Aug Tr ch 19 0010 EDT - TVOntario station not zero beat to WOIO. Shaker Heights,
                                  OH. (CICO12-12 Owen Sound in very strong at time.)
                                  (I am not sure, but I seem to remember the Toronto 19
                                   being # to WOIO. Could this be Sudbury?)
Keith Pugh: (9/86 CCI)
      Tue 11 Mar Tr 107. I 1121 CST - "Jet-107" (Definitely WRJT, Monterey, TN. -Matt Sittel.)
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我大都要得到我就是我的我我们的我们的我们的我们就会就是我们就会我们的人们的人们的人们的人人们的人人们的人人们的人人们的人人人们是不会人人工,我们也是我们也没有这样的人人们 (Matt, I seem to be confused by your IDing Keith Pugh's 5/11 Mexican as XHCH-2, he logged the unID on ch 4)

Larry Van Horn: (9/86 CCI) Fri 25 Apr Tr ch 19 0745 EST- "AN Weather" (WMAH -Matt Sittel) Randy Miltier: (11/85 CCI)

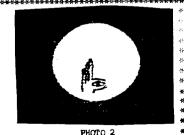
1985: Thu 30 May Es ch 2 1700 PDT-- "Skip Baldwin w/nx at 6610" (Name of sportscaster at KMID, Midland, TX. -Matt Sittel) (see what I said about Es PTA's being unreliable. -RG)

Robert Grant: (9/86 CCI) 86: Mon 28 Apr Tr ch 16 0300 EDT - Multiburst resolution TP. (Mike Reid and Nate Kly Med this as CBCE in Little Current, ON.) (TNX!!! -RG) Sat 21 Jun Tr ch 5 0235 EDT- "Dr. Gene Scott" (N. Kly IDed as WFRV-WI.) Wed ll Jun Bs ch 5 1730 EDT- (ID slide) (Bill Fahber and I Ded this one as KHAS at the convention with Mike Lapinski's freeze frame VCR. the "TV5" was mistaken to be "26".) Mon 14 Jul Es ch 3 2201 EDT -- "Alive Front Row Center", stereo logo. (Tom Yingling

and Bill Eckberg IDed this as WEDU at the convention. Diers take note of this new logo change.)



DRAWING 1





NOTA: Mexico is now using some SIX LETTER call signs. (example: XHIMER Mexico.DF.) I do not know if any TV stations have 6-digit yet. SEASON'S GREETINGS.

Scott M. Hood's letter of 10/19/86 raised two controversial issues. The other issue is to be found in the TELEVISION NEWS column. but his remarks on meteor scatter indicate a need to clarify earlier comments which I made, as well as a need to inform new members

about meteor scatter.

Scott writes, "On this issue, I'm afraid we are on different corners. I have to strongly disagree in that I think it exists and that I believe there is a definite connection between meteor scatter and sporadic-E. For instance, on August 12, I had noticed frequent MS for several days. Then, at 1905, I was watching ch. 5 and noticed semi-strong offset suddenly appear. I switched around and chs. 2-5 were all loaded with CCI. Sure I had Es, I made a note of it in my log, and when I switched around again - less than 1 minute later - it was perfectly clear! No sign of offset anywheres! I think the opportune time is right now, when sporadic-E is off season (roughly October-March). I think the theory of meteor scatter simply being a short burst of Es is highly unlikely, as I have logged 2 unIDs on VHF-hi at different times (chs 9 & 10)."

It is a proven fact that meteor scatter exists, and I do not question it at all, as is apparent by the number of articles I have written on the subject. What I do question, however, is the view that meteor scatter can induce an E-skip opening. Firstly, there is no correlation between meteor rates and E-skip. Meteor rates are at a minimum from January to June, and peak in August. E-skip peaks around June-July and dies in August. Nor is there unusual skip activity during heavy meteor showers. Secondly, meteor trails are at an angle to the earth's surface, while skip clouds are spread out in a plane level to the earth's surface. Nor can I imagine an ionized meteor trail having anywhere near as many ions as a skip cloud.

I think where a lot of people go wrong is assuming that all meteor bursts are the "ping" type, lasting no more than a fraction of a second. The article, "The Physics of Meteor Scatter," in the 3/82 VUD. brings out the different types of meteor trails found by researchers in the field. Overdense trails. which are opaque to radio waves, can reflect radio waves for as much as an hour. One WTF-DA member logged a single burst for more than a half hour. And these bursts can reflect television signals clear on up into the upper VHF channels, a rarity for E-skip.

It is interesting to note that at the time and date Scott reported the E-skip, and at Perseid meteor shower was only 16000 above the horizon at Azimuth 20055!. If as speculated in QST (5/74, p. 46-47) electrons in the ionized trail move more freely parallel to magnetic lines, then a perseid meteor trail at that time, being nearly perpendicular to the magnetic field at such a low angle above the horizon, could spread out into a sheet for a brief period, giving the illusion of an E-skip cloud. I wonder if other instances of MS induced E-skip could be connected with radiants to the north and near the horizon.

Scott continues, "I notice when MS occurs, it usually seems to occur in 2 gusts: a sudden weak appearance followed by a longer. much stronger burst. My theory is that the initial gust is the direct result of the meteor passing through the ionosphere, and the second Es like gust is the disturbed ions settling down." Not really. Another factor of ionized meteor trails is distortion in the upper atmosphere. The first burst you receive is from a single point source in the trail, near the head. As wind shears twist the trail, multiple reflections occur from several points along the trail. As these multiple reflections rapidly move in and out of phase with one another, you will notice the signals either cancelling eachother out or increasing their strength, resulting in a received signal strength that would be much greater then the initial burst. You may even notice multiple images (ghosts) on the picture as this happens. In underdense trails, this wind shear would result in more than one brief "ping" within a two-second period from the same meteor trail.

Any new members interested in obtaining a copy of the two meteor scatter articles should feel free to write to me. The article in the 4/81 VUD deals with meteor scatter from the astronomical viewpoint: comparing sporadic with shower meteors, describing zenith hourly rates and observed hourly rates, and gives a calendar of the twenty largest meteor showers with data. The second article, in the 3/82 VUD, goes into the physics and explains the four types of meteor trails, why bursts are so short at times. and long at other times, even reflecting signals in the UHF band.

Future appearances of this column will depend on interest of WTFDA members as evidenced by their response.

ELEVISION

Bill Fahber, editor 336 Atlantic Street Bridgeton, NJ, 08302

Let's start off this month's column with a letter from Scott M. Head (Beverly MA), part of which appears in the METEOR SCATTER IN-SIGHTS column this month. "I read your comments about offset in a recent VUD. and I believe you are on my side. I asked -- in the past about offset, and he insists 10 KHz = fewer, larger bars, and 20 KHz = the more plentiful, smaller bars. But I find it is just the opposite: 10 KHz = many small bars and 20 kHz = 2 as many large bars." He gives examples of 10 kHz and 20 kHz interference patterns. "...all of the 'small bars' correspond to 10 KHz and the larger ones 20 KHz. In fact, every offset I've computed - except, of course, E-skip, which is obviously futile - confirms my belief. What creates doubt is the fact that I have seen other sources back up the 10 KHz large, 20 KHz small belief (e.g. A CATV handbook gives an offset formula as follows: number of lines equals the offset divided by the frame rate... Thus, (my deduction) offset=#LxFR, and if you try some examples, you find it proportionately matches -- 's belief - although I can't make heads or tails on where the author came up with that formula!) To top it all off. I've seen both beliefs expressed by various reporters in the VUD."

Until I raised the issue a few years ago. everybody believed the CATV books and several other sources, including magazine articles, DX books, and articles in the VUD, which all stated that 20 kHz produced more lines. But with a little math and compaing CCI patterns as you have. I came to the truth: everybody else was wrong. There is a growing number of converts, however, who have seen the light at last.

To start, when you have two signals on very close frequencies, you have a combined signal whose strength fluctuates at a rate equal to the difference between the two frequencies. Take two stations on the same offset and only 5 Hz apart. The combined signal will rise and fall at a rate of 5 Hz. Your picture will blink on and off at the same rate. Now increase that difference to 60 Hz. Now the picture blinks on and off at a rate equal to picture rate of 60 Hz. Now you have half of the picture dark, and the other half light. Often, the television mistakes the dark part for the vertical blanking interval, so that the center of the picture will be light and the upper and lower part are dark. You now have one white bar across your screen. Now increase to 120 Hz and you have two white bars and two dark bars, one of which may be at the horizontal edges of your screen. Now you see how O=LxFR applies. But that applies only when you have horizontal lines, or about 60 Hz to about 7 kHz. Beyond that, you have the picture blinking close to, or more often,

than the 15,734 Hz scan rate, which means that the formula never applies to 10 kHz and 20 kHz CCI. Now a different formula applies.

Let's go to two signals at 15,734 Hz apart. We now see a single set of perfectly vertical dark and light bars. If we increase that to 15.794 Hz. we see a single diagonal bar with a positive slope (that is, from left to right, it increases in height). This bar stretches from the bottom left of the picture to the top right. Go to 15.854 Hz and you see two sets of bars. The formula: one bar for every 60 Hz off the scan rate. 10 Khz CCI is 5734 Hz off the scan rate, which produces 5734/60, or about 96 lines. That's one diagonal bar, with a negative slope, for each 2.74 scanning lines. 20 kHz is 4266 Hz from the scan rate, which produces 4266/60, or 71 bars with a positive slope, or one set of bars for every 3.7 scan lines. Hence. 20 kHz produces fewer lines than 10 kHz, and they are sloped in a different direction. Robert Grant had noticed that 20 kHz CCI often causes a secondary pattern of broad, steep negatively sloped bars, not quite as evident. I suspect that may be from the fact that 5734/15734 is close to, and slightly higher than, a simple fraction of 1/4. Theoretically, CCI of 19,667.5 Hz would produce a secondary pattern of four perfectly vertical sets of bars. One caution, however. Since stations can stray as much as 1 Khz from their assigned offset, you can see, especially with stations that have cheap or old equipment, different sets of lines. 10 kHz CCI could go from 62 to 129 lines. and 20 kHz could go from 38 to 104 lines, but those are extreme cases, assuming both stations are 1 kHz off in opposite directions. But in nearly all cases, look for 96 or 71 sets of diagonal bars, and try to determine which way they are slanted.

"Do you know any of the more technical tidbits: 'offset key' ID-ing; what that false offset is on some syndicated programs ... why some offsets 'stand still,' some move rapidly in one direction, and others roll in both directions..."

Offset key identification is permitted for translators in unattended operation, using a device which automatically identifies the station at designated times, at least once an hour on the hour. Code of Federal Regulations. Title 47 (Telecommunications), section 74.750 (c)(7)(i) allow for a shift of 5 to 25 kHz in the aural and visual carrier frequencies. giving the call sign in international Morse Code at no greater than 20 wpm. or no less than 3.0 seconds for a standard call sign. As mentioned sometime before, I picked up one on W35AB in Philadelphia, but only because CCI from Richmond VA produced an audio tone, operating much like a BFO in a shortwave radio.

As for false offset on syndicated programs. I never heard of it. Could it be cable leakage or airplane reflections that you just haven't noticed on regular network programs? Different factors are at play in causing

moving CCI patterns. The closer the difference in frequencies to an even multiple of 30 mHz. the less it will move. The closer that difference is to an odd multiple, the faster it will move. As said before, a 60 Hz CCI pattern will cause one set of stationary bars. 61 Hz will create bars that drift upward once a second. 62 Hz will drift upward twice a second. Contrariwise. 59 Hz would drift down once a second, 10 kHz and 20 kHz CCI are more stationary if they are a multiple of 60Hz also, but the closer the actual difference in frequency gets to an odd numbered multiple of 30 Hz, the less defined they there is the question of 'What happened to become. As for CCI patterns that roll in either direction, and for some that change rates. that is the result of slight drifts in the carrier frequency of one or both of the stations. The same effect is seen with airplane reflections, where doppler shift comes into play. As the plane approaches, the reflected signal is at a higher frequency than the direct signal, but the signal being reflected is decreasing in frequency. As the place passes by and is traveling away. the reflected signal is lower than the direct signal. At its closest approach to a point between you and the transmitter, the direct and reflected frequencies are the same. Thus you will see, on VUF, a rapidly fluttering picture, with the fluttering slowing down to a stop when the reflected signal is the strongest, then increasing in rate as you see the reflected signal fading. On UHF you would probably see lines going down, then up, then fewer lines down, then up, until there is only one line down, then up, then a flutter. then the pattern is reversed.

"Finally on the subject of offset (and this is what rekindled my curiosity), do you know what the other Canadian offset is? Over the 30-40 KHz - WGBH with other Canadians on ch.s 3'& 6 (normal offset), and in July I thought WBAL's offset was 'off' ... but later found Halifax all over FM (I assume I had CBHT3)." There isn't really another canadian offset. But lower class Canadian stations (as mentioned recently in this column), as well as LPTVs and translators in the United States do not operate on an assigned channel from the Canadian Allotment Plan or the American Table of Channel Assignments. In the United States translators operating with over 100 .002% of their frequency. That means a ch. 69 translator can drift from its assigned frequency by as much as 16 kHz. A ch. 14 translator can drift 9.4 kHz. Weaker translators can drift 10 times those figures. VHF translators, being no greater than 100 watts, can drift 11 kHz on ch. 2 and 42 kHz on ch. 13. One odd thing, however, is that CBHT-3 (Yarmouth, N.S.) and WBAL (New York) should be 20 kHz apart. I suspect that some American satellite stations, and maybe some an assigned channel, may not be bound to adhere to their assigned offset if they are

The last time I saw WDPB (ch. 64. Seaford DE) being interfered by another ch. 64, the CCI pattern was not from standard offsets. WDPB is a satellite of WHYY-12, Wilmington.

Ken Onyschuk (Oak Lawn II) writes, "In Fri. 10/24 Tribune (Chicago) there's a small piece that said Home Shopping Network has entered into a definite contract to buy WPWR-ch 60-Aurora/Chicago and turn it into a home shopping format station. Ch. 60's current signal will then move to ch. 50, tho licensed to Gary, Ind. about Jan. 1987. Both stations will beam from Chicago Sears Tower. Still the Ch. 56 CP (WDAI) granted in 1981, to Gary, Ind?" WDAI is changing to ch. 50, according to a recent MP.

From Nate Ely (Madison WI): "WTLJ-54 in Muskegon MI was seen running a promo tape and testing their 5 million watt xmtr this evening. (10/26/86 -wbf) They will be religious programming. Address is: TV-54. P.O. Box 5403. Muskegon, MI, 49445."

I left off last month partway through a letter from John Adams (Seaside OR), ironically on the subject of KTGF-TV, ch. 16 in Great Falls, MT. The 10/15/86 SRDS began listing the station, and says it is an NBC affiliate after all, throwing my logic out the window. That would make KRTV. ch. 3. a CBS affiliate only. Also, KFBB-TV, ch. 5. would no longer be carrying CBS and NBC rejects, making it strictly ABC. John continues, "Ch.4: KDUH-TV Scottsbluff NE is ABC (matches primary station KOTA-3, Rapid City SD)" SRDS agrees. Still on ch. 4. John makes the correction that the primary station for KPRY-TV, Pierre, is KSFY-13, not KSFY-3. Let me remind the readers that these are corrections on the ch. 2-6 list in the 5/86 VUD. "Ch. 5: KREX-TV, Grand Junction, CO, is summer I logged an UNID-2 via E-skip that was CBS only. The area is served by KCNC-4, Denver translators." SRDS still has CBS, NBC for KREX, as well as KREY and KREZ, Again, remember that the presence of a group of translators in a certain area does not preclude the possibility of a network affiliate of the same network as the primary station in the same area. "KXGN-TV, Glendive MT is CBS only. The area has KUMV-8, Williston ND translator." (SRDS has it as CBS, but it does include some NBC programs on a per program basis. That means that any programs dropped or pre-empted by the local NBC can be picked up by KXGN. "KFBB-TV, Great Falls, MT is ... ABC only." As mentioned earlier. "KFYR-TV Bismarck ND is NBC only. It has been so since KBMY-17 came on the air." (SRDS checks out: KBMY-17 is ABC) "KOBI, Medford OR is NBC only. It has been so since KDRV-12 came on the air." (SRDS checks out; KDRV-12 is ABC) "KYCU-TV, Cheyenne WY is CBS only. There are two UHF construction permits there, possible future network affiliates. (SRDS has KYCU, as with KTVS in Sterling CO, as CBS primarily, but carrying certain NBC programs; see last of the Canadian repeaters, while operating on month's VUD) "Ch. 6: KVIQ, Eureka, CA, is now CBS only." (SRDS did not give any information on the station listings about network, but using intermodulation to convert the received lists of network affiliates included KVIQ in signal's channel to the transmitter channel. | both the ABC and CBS lists. Can anybody give

more information on the Eureka situation?) "KREZ-TV, Durango CO is CBS only. The area is the 1984 list was published. All I do is served by KOB-4 Albuquerque NM/KOBF-12 Farmington NM translators." (Again, as with KREX and KREY, SRDS has them as CBS and NBC) "June VUD, pg.23, col. 1: Under 'Construction Permits granted. there are two CPs listed for Sebring, FL, one on ch.60 and one on ch. 69, both with the same ERPs and HAATs, and both to Focus Broadcast Communications Inc. Since ch.60 is mentioned under 'Applications Dismissed.' I assume that that is the correct channel." That is correct. "Under 'Construction Permits Cancelled. I have no calls listed for ch. 18, Salina, KS. I have the KYYE calls listed for the CP on ch. 64 in Salina."(I can't find any record of any ch. 64 construction permit, nor even a ch. 64 channel assignment, in Salina KS.) "June-July VUD: In reference to the applications for ch. body else can answer. Are cable TV companies 40. Bluefield. WV. I have a CP listed for ch. 40 in Bluefield, VA (WRJK). Was this CP cancelled or what?" (Probably was, though I hadn't seen any official report on it. The application is over three years old, never on the air. was deleted on the data base from Larry Fuss as far back as 12/85, and new applications for thechannel began pouring in in April-May, 1986.) "As you can see, I've been trying to update my 1981 TV station Guide as much as possible. I have several gaps in my information, too numerous to get into here. I am really looking forward to a new TV Station Guide. July VUD, pg. 32, Col. 1: 'K78AH now has PBS on: would that be KSPS-7, Spokane WA?" (I don't know.) "Pg. 33, invested is eventually returned by the sponcol. 2: I believe the PTL network now originates from some place besides WDLI-17, Canton program. In religious programs, as well as OH. On their 'Spring Praise-a-thon,' Trinity Broadcasting (I get them on local cable) mentioned that they now own WDLI. To add to the the producer of the program is actually the confusion. TBN has a nightly program called 'Praise the Lord' which they consider their

well be in Camas, WA. It is very weak in Van- as long as it doesn't get the station into couver and the north side of Portland, but is trouble. stronger in the area between Portland and Gresham (east side, closer to Camas). They definitely ID as PTL. The Portland Oregonian and Vancouver Columbian list PTL, but as a cable service; no mention of ch. 61."

"September VUD, pg. 31, col. 1: in the spo-Las Cruces, NM, not NV. Under the Pittsburgh Pirates: in reference to 'TV-65, Harrisburg, OA. in the list of translator grants in the March 1985 VUD, pg. 5, there is listed a W65AV in Harrisburg."

"In area station news, both KPDX-49, Vancouver. WA and KSTW-11, Tacoma, WA now operate 24 hours a day most days.... KGW-8, Portland, OR airs the last hour of 'Today' live at 5-6 AM Pacific Time, in addition to the full program from 7-9 AM. Do any other west coast stations do this?"

"The Neah-kah-nie Mountain (Rockaway and vicinity) translators (K70CV, K72DO, K74BO, K77BG, K80BL) are now on lower UHF channels. ... Do you know what the new channels and call signs are?" No. I haven't been keeping

any updates on the LPTV/translator list since publish whatever WTFDA members report. "Oregon Public Broadcasting has two new translators in eastern Oregon: K68CB. John Day and ch. 36. Burns. They are running a new series of ID slides. Local translator K62BF, Seaside (still off) is not mentioned. Independently-owned translators relaying OPB aren't mentioned anymore either. Also, their September program guide doesn't list their translators as they have done in the past."

"CKVU, Vancouver, BC is still on ch. 21 according to the Western Washington TV Guide." (Letter was dated 9/15 Letter from John, dated 10/7 and reported last month, mentioned the change to ch. 10, which probably took place in late September.)

"Finally, some questions maybe you or anystill required to 'black-out' distant stations when they air programs one of the local stations have the rights to? When I lived in upstate New York in the mid-70's this was quite a controversial issue. However, they never seemed to 'black-out' religious programs on distant stations, even when a local station aired the program at the same time. Are or were religious programs exempted from this rule, and if so, why?" I don't know to what extent cable companies are required to black out programs, but there is a big difference between syndicated programs and religious programs. The broadcast station buys the rights to syndicated programs, and the money sors, whose commercials are aired during the your home marketing, auction, get-rich-quick, and other programs that have no commercials. sponsor, and the station isn't buying rights to be the sole broadcaster of the program. flagship program."

It is merely selling air time to a sponsor
"K61CL (or whatever their call is) may very who pays to air whatever program he wishes,

"How come many Canadian (and some U.S.) cable systems put local VHF stations on different channels?" I don't know. Can anybody answer that?

"Are there or were there any 'must-carry' rules in Canada?" I got a large amount of rts list under the Oakland A's: KASK-48 is in material from Dave Sinclair last month, which I haven't yet thoroughly studied, but much of it deals with the CRTC's revised Cable TV rules which went into effect August 1, 1986. Not much has changed in the area of required carriage in the changes. It's not exactly a "must-carry" list, but it's a list of priorities that must be met according to the cable system's capacities. That priority is: (1) All local CBC owned & operated stations, if any: (2) programming of that province's educational authority, such as TVOntario; (3) all other local television stations: (4) a CBC owned & operated station covering a Grade B signal or greater to the cable's headend, if there is no local station covered in the first priority: (5) all other stations covering the headend within their Grade B contour, if not

affiliated with a network already represented time! Updating that list and making correcin priority three: (6) a CBC owned & operated stationthat can't reach the headend with a Grade B signal, but can be picked up by microwave relay or Anik satellite, unless a CBC station is already included in priority one or four: (7) a community channel for community programming, unless the cable system is in a remote community, in which case such a channel is still encouraged; (8) the same as priority six, but in a different official language (that is, either French or English); and (9) any other distant stations that aren't of a network already represented by CBC or a priority three or five station.

"Some terms I've seen in the TV-DX columns: What do VAFI and TASO mean? (in reference to signal strength)" They are methods of defining signal strength and clarity. VAFI stands for Video. Audio. Fading and Interference. See the chart at the top of the next page. Quoting from p. 7 of the 4/74 VUD: "VAFI is a system for detailed reporting of signal quality in a minimum of space. A typical DX column VAFI report would be similar to the following: 4334N540. The first four numbers read directly off the chart.... 'N' indicates the station is a new logging. 'R' for relog and 'T' for tentative are alternatives. The last numbers indicate mileage from DXer to DX station." TASO stands for Television Allocation Study (or Systems) Organization, which developed a method for defining picture quality. I have yet to see their definitions of picture quality.

"What is a Phillips test pattern?" Beats me!

picture of one if possible.

"The translator guide lists 4 translators (W69AU, Mobile, AL; K55OP, Reno, NV; W69AZ, Charleston, SC; and W43AE, Knoxville, TN) as carrying WRBV-65, Vineland, NJ...via satellite. Do you know the current status of these translators...? Only that W69AU is supposed to be rebroadcasting WPAN-53 in Fort Walton Beach. WRBV was supposed to be the flagship station for Wometco Home Theatre's network of STV translators. That was before the days of LPTV. Since LPTV regulations were still under consideration at the time, the FCC was granting certain translator construction permits with Low Power features, which meant that they could originate programming, rebroadcast satellite signals, and operate at higher powers than normal translators. The first LPTV stations to go on the air were really translators with low power features.

"Finally, is the 1985 Translator/LPTV list advertised in recent VUDs an update of the 1984 list or what?" I tried to make this clear in earlier issues. There was no update publication. I published update information in two subsequent issues of the VUD, and corrections and changes sent to me by WTFDA members as I receive them, but that's it. I believe it was the decision of the Board of Directors, who felt that the data in the 1984 list was still sufficiently current, to advertise it as a 1985 list. The 1984 list was a one-shot deal that took more time than I thought. If only I had my computer at the

tions on a regular basis would have been very

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I'm not done with John quite yet. He sent a few articles. From the 4/9/86 Portland Oregonian. "The Oregon Court of Appeals affirmed a Land Use Board of Appeals decision Monday, which held that Greater Portland Broadcasting Corp. could build its transmitting facility including an 1,100-foot tower - on a parcel off Miller Road in Northwest Portland." "Station operation on assigned local channel 24 could begin by February 1987." The call letters are KTDZ-TV. "Monday's court decision involved an appeal to an original building permit for the tower issued by the Multnomah County Commission in February 1984. The permit followed the first test of a 1981 county transmission tower law which said that where practical, new transmission systems should be added to existing signal towers. Columbia River Television Ltd., owner of UHF Channel 49 (KPDX -wbf), argued that Channel 24 should be made to attach to Columbia River's Channel 49 transmission tower, and pay rent to Channel 49's owners. But [KTDZ] argued successfully that the lower tower position to be assigned to the new station would have reduced its potential transmission capability by as much as 25 percent."

The 4/29/86 Portland Oregonian reported two new LPTV grants in that area: one to Mike Mendoza for Portland, which will have religious programming, and another to Family Television of Coos Bay, for Coos Bay. The article adds. "Low-power stations are designed to I hope somebody can answer that one. Send in a bring local television service to small towns or specific neighborhoods in large cities."

Such is not always the case.

From Harry Hayes: (Wilkes-Barre, PA): WDAU-22 Scranton, PA officially switched towers right on the 11 o'clock news on October the 8th. Switch occurred at 11:01 PM. Channel 22 went to snow all for but a half second to make the switch. It was really just luck that I managed to witness the event.... I am about two or three miles of Penobscot and within easy eyeshot of the towers from my home. My picture...went from very good to ghostly until I turned the antenna to Penobscot.... Believe it or not the move closer to me greatly improved my overload problem. Even when I aim right at the towers I receive very little overload, quite a bit different from when I used to aim at the 22 tower when it was nine miles away. The channel 65.22 translator station in Penobscot for Mountaintop PA stayed on the air about a day after the switch. This is now off. Glenn Jacobs in Moscow PA, Wayne County has said that his neighbors have a very tough time receiving 22 now: not surprising. Also, Glenn has a much easier time DXing around this channel now. Call change WYOU went into effect 10/9 at 12:01 A.M." Not a whole lot of change here in Bridgeton, but one strange thing I noticed during the first three weeks since the change: its CCI pattern with WhPT in Annapolis MD was definitely NOT 20 kHz. It had several steeply sloped bars, much like I

VAFI (ODE CHART			
GRADE	VIDEO	AUDIO	FADING	INTERFERENCE
1 2 3 4	No signal Just detectable Heavy snow Moderate snow Light snow Snow free	No signal Just detectable Poor Fair Good Excellent	Deep to fast Slow deep	Loss of signal Extreme Heavy Moderate Light None

tor and a broadcast station. The CCI pattern its current licensee, HBI Acquisition Corp., went back to normal around the beginning of November.

Ed Frye (Los Angeles CA) writes. "Driving along Sunset Boulevard past my office here in Los Angeles was a Ford Econoline Van, neatly lettered 'N9EUD - Amateur Television'. The truck appeared to be outfitted as a mobile unit: atop the vehicle was an end-mounted vagi that resembled a professional solid-bar UHF narrowband antenna. Any thoughts on this?" Yeah! I didn't know Ford was still making Econolines. Some club members have been DXing amateur television, and I think one of the letters to follow talks about it. Ed sent a few articles that appeared in various issues of Variety magazine about the SIN stations. The SIN-TV network is getting out of the news business, which will be taken over by Orbital Communications Enterprises. which is being created by Televisa, SIN's parent company. Its initials, in Spanish, are ECO. It will sell its newscasts to other networks also. As of next year, SIN will no longer exist. It will become Univisa, and the American division will be Univision.

Matt Sittel (Kingsport TN) writes, "...the weekly TV magazine of the Briston Herald-Courier...list WCHS as CBS and WOWK as ABC. yet WCHS shows ABC programs only, and WOWK shows CBS programs only. They have changed networks, obviously..." WCHS-TV is ch. 8, Charleston WV; WOWK-TV is ch. 13 in Huntington. W. "WTVI-42's new signal comes in nicely up here. It's as strong as WSOC-9. but neither are as strong as the almost local-like signal of WBTV-3." "Is there a new trend on PBS? Recently I saw KENW running to become the nation's fourth network, with a news program at 1900 on weeknights. I thought this was just one station. Then I saw at 1930 KOET doing the same thing.... Do all PBS's except us do this, or is it done only in the west where signals don't always reach certain areas, or is it a new trend spreading throughout America?" New Jersey Network has had a news program for years, in the early evening then repeated late at night. I guess other stations are operating their own news services. New Jersey officials have complained for years that Philadelphia and New York stations virtually ignored New Jersey, and New Jersey Network has been attempting to fill in that gap.

W.R. McIntosh (Granada Hills CA) sent in several articles from the Los Angeles Times. The 9/24/86 Times reports that KIHS, ch. 46 in Ontario, CA, is being sold to Home Shopping Network. The article describes the history of the station. "It first went on the air as a Spanish-language station for six

would see from two translators or a transla- | months in the mid-1970s. In April, 1984, under the station started broadcasting family, Catholic and other religious programming. Last March, it started offering more commercial programming in addition to religious programming." "HBI Acquisition is a joint venture of DeRance Inc., a Catholic foundation based in Milwaukee, which owns 60%, and Santa Fe Communications, a closely allied philanthropic organization that owns 40%. The sale of KIHS apparently marks the end of DeRance's efforts to start a conservative Catholic television network in the United States." "(Judy) Ludin. the Home Shopping Network spokeswoman, said FCC guidelines require Home Shopping Network to intersperse some community-oriented programming with its shopping shows." "Last Week, Fox Television Stations and Lorimar-Telepictures jumped aboard the TV merchandising bandwagon, announcing a joint venture called ValueTelevision (sic) to compete with Home Shopping Network and a Financial News Network's TelShop. And in June. Warner Communications said it would join with COMB. an off-price merchandiser, and Denver-based Tele-Communications, the nation's largest cable network firm, in a home merchandising venture." Sounds lik Fox Network has next year's fall programming schedule all lined up already. Maybe they can put Joan Rivers up for sale, then syndicate her program on the BBC.

> From the 8/19/86 Times: "The Nustar Television Network, a shoestring outfit in Tujunga that started broadcasting on Friday the 13th of June, appears likely to provide the superstitious with ammunition. Nustar once vowed round-the-clock satellite broadcasting aimed at UHF stations and homeowners with dish antennas. It said it would broadcast continuously, with more and more original programming as time went by. But Nustar is now broadcasting just four hours a day, from 5 p.m. to 9 p.m., Monday through Friday. And there is no original programming, the company says. It just airs old movies." "The network also had some technical problems that interrupted programming, and it ran afoul of the (FCC)...for broadcasting without a license...because Nustar's rented 'uplink,' a transmitter that fires its signal at a satellite. was unlicensed."

Time for a trivia question. What network beat out Nustar, Home Shopping Network, Fox and all the others to become the fourth commercial television network? Everybody knows it's PBS!

According to the 8/16/86 Times, Rupert Murdock, owner of Fox Broadcasting Co., finally

managed to strike a deal with CBN to purchase 314 public television stations traditionally WXNE, ch. 25 in Boston for \$28 million, making the station Fox's outlet in the Boston area. But in order to purchase the station. But it means he will have to sell the Boston Herald, which he purchased in 1983, unless the FCC grants him special privilege. As part of the deal. WXNE will continue to air

The 700 Club twice daily, and CBN will gain the right to air 36 Fox movies.

From the 8/8/86 Los Angeles Times: "In a move expected to have a major impact on the nation's television industry, the Federal Communications Commission Thursday required most U.S. cable-TV companies to continue carrying some local over-the-air TV stations and non-commercial TV signals for the next five years. The FCC ruling, expected to take effect later this year, also will require cable systems to make special switches available to the nation's 40 million cable subscribers, enabling them to select between cable and conventional television broadcasts. The new FCC ruling, approved by a 5 - 0 vote, idea, she said, was to give the breaks the includes a modified version of a compromise worked out earlier this year by the cable industry and television broadcasters. 'In many respects, the cable subscribers of the United States have become accustomed to the absence local broadcast signals once cable is installed in their homes, said James C. Mc-Kinney, head of the FCC's Mass Media Bureau. 'We believe it is important to correct the perception of consumers as to the actual availablity of a lot of non-cable programming in the video marketplace. Under the new rule, which expires in five years, cable systems with fewer than 20 channels will not be required to carry any local stations. Cable operators with 21 to 27 channels will be required to devote seven channels to local stations while cable systems with more than 27 channels must set aside 25% of their total capacity for local stations. In addition, the rule also allows new TV stations to be included for a year without having to meet the current requirements for a 2% audience share." "The FCC rule also will require that all cable systems, regardless of size, carry one non-commercial educational stations, a category that includes public broadcasting as well as religious broadcasters that use noncommercial TV stations. Cable systems with more than 54 channels will be required to carry at least two non-commercial stations."

Begathons take on a new look, according to the 8/16 Times. Public Television's on-air appeals for money are as old as the system itself. Yet they remain a sore point with many viewers and, as another fund-raising drive gets under way today, many stations are striving anew to find a better way. At one extreme. WNET in New York City (sic) and 14 smaller stations have decided to forgo the nine-day August pledge festival, hoping to raise the money through other means. At the other extreme, many stations are taking a lesson from KCET inLos Angeles and trying to make their on-air campaigns more polished and less strident." "Most of the country's

devote a portion of air time during August. December and March to pledge drives soliciting contributions from viewers, especially those who haven't donated before." "Other stations have experimented with 'pledge-free weeks' in the past. with mixed results. Miami's WPBT. for example, canceled all three on-air pledge drives last year and is continuing the policy this year. But Boston's WGBH tried doing without and then went back to them. citing the drop in new members as a primary reason. It is hat concern that has kept KCET from trying the no-pledge experiment. The bottom line is that pledge is the best way to get new members. said Bonnie Winings, Channel 28 director of subscriber development." KCET is ch. 28. "What she did in 1984 to try to appease criticism of the pledge drives was to take a more professtional marketing approach to the campaign - producing the pledge breaks as miniprograms with scripts, a sense of pacing and a respect for the viewer's intelligence. The tone and quality of the programs they were interrupting." The article reports statistics of how pledges greatly increased, while the number of complaints about the pledge drives has decreased. "That's why PBS approached of all other means of accessing satellite and KCET to share some of its expertise with other stations. The result was the creation of a package of print and videotape materials that can be used to make pledge breaks more effective." "PBS officials said at lest 20 stations around the country will be using all or part of the KCET package "

Two articles from the 9/30 and 10/9 Times report on a program aired over PBS outlet KCSM (Ch. 60, San Mateo CA) called "Stock Market Today," in which guests paid \$30 to give stock market advice on the air and advertise their own services. Some guests have represented firms that have since gone out of business, bankrupt, or have owners who have gone to prison because of their financial dealings. Although the station has been on the air for six years, it went off the air the day after the first article appeared.

The 8/29 Times reports, "Although nearly 700 programs are shown on Mexican television, only nine are of any educational value, according to a newly released private study. Claudia Valero, a sociologist at the National University, said Mexican television 'imitates the model of commercial American broadcasting, aiding multinational firms to profit from commercial bombardment. The study...also said the lack of educational programming is detrimental to the country, and fails to fill the needs of the Mexican people. The lion's share of Mexican television programming is controlled by a privately run network, which depends largely on translations of U.S. situ ation comedies." Now if they can get some people to dub the audio into Spanish with a British accent, the whole problem could be

That article was obviously talking about the Spanish International Network, which was blasted in an article in the 8/24/86 Times.

"'We're the only game in towm!' is the way SIN programming director Rosita Peru assessed the situation in a Variety trade paper article last year. And while SIN has made some progress...the programming remains banal." "In a poll of the Los Angeles Latino community earlier this year..., newly arrived Latinos prefer to watch American TV - despite the One more interesting piece of information ings." "Yet children's educational programming remains almost nonexistent." "Since adultery and incest played major roles seven days a week, it seemed like it was more than a coincidence that during the commercial service and monthly payments. At present, 'Chiquilladas' is the only SIN program that is geared to children and adults, but it is only offered on Saturday afternoons." "SIN's best program is its national newscast..., despite its occasional Cuban-American anticommunist bias ... (what's wrong with that? -wbf) But this bias is a mere peccadillo when compared to other 22 hours of weekday news programs broadcast by SIN... (which) have been guilty of censoring news or only presenting the 'official' PRI (... Mesico's ruling party) version of events. To make matters worse, there is no weekend SIN... news program." "Another facet of SIN's programming that seems peculiar is the daily 'Jimmy Swaggart Ministry,' whose Christian fundamentalism must be anathema to predominantly Catholic Latinos. When asked why Swaggart was on its schedule, SIN officials retorted: 'Because we buy it.'" While on SIN, here's another article about

the sale of the SICC stations from the 9/21 Los Angeles Times. "The forced sale of KMEX-TV in Los Angeles and nine other Spanish International Communications Corp. (SICC) TV stations appears unlikely to break the grip of a Mexico media magnate over this country's largest Spanish-language broadcasting chain. Nor is it likely to foster any substantial changes in what its 10 million American viewers will see on the air. It appears that Emilio Azcarraga Milmo, his Mexican media

monopoly Televisa and his Spanish International Network (SIN) will continue reaping millions in profits from the stations after legally transferring them to American ownership." "Azcarraga and his close associates are making use of a U.S. law that restricts foreign ownership of broadcast stations while imposing no limits on holdings in companies

that supply programs. They are poised to maintain substantial control over the programming and advertising after selling them for a record 301 million to Hallmark Cards Corp. and First Capital Corp. of Chicago."

"...to Tirso Del Junco, a Los Angeles surgeon who led a group of Latinos in a \$260 million bid rejected by SICC officials becuase of unsatisfactory financing, the sale of the SICC stations has changed little.

'SIN wants to have a monopoly and control things, said Del Junco, who represents one of ten bidders for the stations. 'SICC and SIN is the same management, he believes." "But Larry Dam, an SIN attorney and spokes-

man, called Del Junco's allegations 'outrageous. ! (SIN) has no monopoly, Dam said. If SIN has become the nation's biggest supplier of Spanish-language programming, he said, it is because other stations choose to buy the network's shows. What we are talking about is is an open market, simple supply and demand. " language difference - instead of SIN's offer- from thearticle: "The major networks - ABC. CBS and NBC - pay local stations and not, as in the case of SIN, the reverse. Typically, major networks pay local stations between 15% and 17% of their commercial rate in exchange for the stations airing network programs and breaks, a local abortion clinic offered quick commercials. Networks do not receive a share of advertising revenues sold by the stations. By contrast. ... SIN asked for two free minutes of time for every hour of programming and 37.5% of net national, network and local advertising revenues as a programming fee for each hour or half-hour network programming."

From the 9/16/86 Los Angeles Times: "The (FCC), in an abrupt about-face, has told a federal court that its policy of granting preferences to minorities and women who seek television and radio licenses is unconstitutional and should be eliminated. The FCC has granted such preferences since the 1970s, prompting a growing number of applicants for lucrative broadcast licenses to try to bolster their chances by recruiting minorities and women as owners. The program has been controversial because some of the beneficiaries have been wealthy minority investors."

Two letters, and other information, from Ed Sirovy (Westmont IL). One subject goes back to Ken Onyschuk's letter five pages back. Both members are reporting something that sounds odd to me. My understanding is that of the two channel 60s in the Chicago area (WPWR in Aurora and WBBS in West Chicago), WBBS folded up and WPWR took over. Meanwhile in Indiana, the educational reservation was changed from St. John IN (ch. 50) to Gary IN (ch. 56), and along with that change WDAI's commercial construction permit was modified from 56 to 50, while WCAE in St. John. temporarily off the air. would change from 50 to 56. Ken and Ed both report that WPWR is going to channel 50 in Gary. Ed gives background: "The FCC assigned ch 20-26-32-38-44 to Chicago and 50-56-62 (in series) to Gary-Hammond. 60-66 were assigned to peripheral Illinois cities Aurora and Joliet. After all Chicago channels were assigned, other groups applied for 50-56 and 60-66 specifying Chicago loop xmtr locations. The FCC saw this as a backdoor reallocation and denied them all. (A station, WXLT Aurora with a West Chicago tower location actually did operate for a short time.)

"With an anything-goes-Reagan-FCC. others tried again. This time the FCC agreed but had to choose which channels could be used. as less than 6 channel spacings violated the 'taboo' rules. All the new stations planned subscription-TV. The FCC remembering the NJ fiasco held the Indiana channels in place and allowed the Illinois channels to move. The channel 60 comparative hearing copped out in a split decision allowing daytime WPWR and

(26 also does Spanish as well as other...

ethnic programming). In the meantime, WPWR

initiated the 50-56 swap transaction in an

attempt to gain a full time channel. After

WBBS folded and sold out (to WPWR) WPWR let

a lower channel and 25 million in cash, the

an inferior channel and \$684,000 in cash!

UHF power is doing to the health of upper

go! 7-11-26-50-60 are on Sears Tower and

with existing loop pointed receiving anten-

Ed also sent a copy of the 10/24 Chicago

Sun Times. which reports that Home Shopping

Aurora mentioned above. "WPWR-Channel 60. a

will be acquired by the Home Shopping Net-

company that sells consumer goods over the

air 24 hours a day. An HSN subsidiary will

pay \$25 million to WPWR's owners. Metrowest

facilities, and rename it WHSI. But simulta-

neously, WPWR will switch to an unused Chan-

nel 50, licensed (sic) by the Federal Commu-

nications Commission to Gary, Ind., and con-

tinue its operations from that channel posi-

tion. The changeover should be completed by

January. WPWR, now licensed to Aurora, will

to Chicago from its antenna on top of the

Sears Tower: the move from Channel 60 to 50

also removes viewer confusion between WPWR

and one of its independent TV competitors,

the license (sic) to Gary's unused Channel

56. but. for technical reasons, could not

Chicago market. So it swapped that channel

with the Indiana Public Television group.

which owned Channel 50. Getting that swap

"Apparently aware that the HSN deal was in

casting Co., started its own home shopping

earlier this week. It airs from 11:30 p.m.

Broadcasting stations, in Miami and Phila-

From John Ebeling (Bloomington MN), the

to 2:30 a.m. and is shown on other Grant

delphia."

show, 'America's Marketplace' in Chicago

the works, Channel 66, owned by Grant Broad-

approved by the FCC took over 2 years."

WGBO-Channel 66." "Metrowest actually bought

work, the cable channel and broadcasting

Inc. for Channel 60's transmitters and

nas, wonder if anybody will watch them if

they ever come on?"

Indiana educational TV people walk away with

go Loop, 32-38-50-60-66 run 5000KW each! 20-

WJWN-TV, ch. 38. San Sebastian PR (satellite of WSJN-24 WFWY, ch. 43. Syracuse NY (original CP

granted in 1967!) WVBT, ch. 43, Virginia Beach VA

WNPL-TV, ch. 46, Naples FL SECOND AUDIO PROGRAM ACTIVITY:

WNBC-TV, ch.4, New York NY (WYNY, 97.1 FM) WXXI-TV. ch. 21. Rochester NY (WXXI, 1370

MISCELLANY:

"WSNL-67 Smithtown has gone back to fulltime broadcasting (24 hours a day, in fact) with Home Shopping Club - station is still operating as a satellite station of WWHT-68 Newark, but has not resumed local programming from its Central Islip studio yet, which I highly doubt they will do. (If I only had the bucks. I'd buy that station and make it compete with WLIG-55 by running programming similar to what was aired during 1973-75 when WSNL first hit the air!)

"New indie WTWS-26 in New London is running mostly current syndicated fare, but they have a rarity on Saturday mornings at 8 AM - 'The New Phil Silvers Show, a 1963-64 sitcom that lasted only 26 weeks! (Now, let's all try to get 'My Mother, the Car' back on our

local indies)"

"In Boston WQTV-68 has been sold to the Christian Science Monitor, but there have been no major programming changes (except for the Boston debut of Dr. Gene Scott's program!), and WMRE-1510 is carrying Joan Rivfinalizes the purchase of WXNE-25." I read in BROADCASTING magazine that as long as CBN had ownership and control of the station, it would not air Joan Rivers because of the program's crude humor.

"W59AT Plainview NY (WLIG-55 xltr) is off the air for reasons unknown: W63AS Westbury (LPTV) remains on." W59AT is still a LPTV, even though it is rebroadcasting WLIG.

"WHCT-18 Hartford FINALLY has been granted FCC permission to increase power to over 3000 kw - which means that ALL of Connecticut will get to watch the Hartford Whalers road games and 'The Avengers.'"

David R. Alpert (New York) sent an article from the 10/1/86 Variety, giving a brief history of the CTV network. This summary will be even briefer vet. "The network was started by Spencer Caldwell, who died in 1983. (The initials CTV don't stand for anything, not Canadian Television, the usual assumption, and certainly not Caldwell Television, the natural second guess.) At the beginning, there were eight television stations in affiliation with CTV, and each are still full affiliates Three other affiliates came on line in 1964.... Those early years were financially rocky ones, and CTV simply couldn't make a go of it. Finally, in 1966, the affiliates won government approval to take over, thus establishing a real oddity in the world - a commercial television network owned as being NBC and CBS. You said that as a VHF business interests of its own." "At their own expense, with the cooperation of various over 22 years, using NBC to fill holes. We

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lished a total of 246 rebroadcasting transmiters! Late Show! program until Fox Television ters throughout the country to extend CTV service to the vast reaches of Canada, which away from border areas tends to be lightly populated at best. That very lack of population density led to the establishment of secondary affiliates through the practice of 'twin-sticking in the early 1970s. It became obvious that some areas couldn't support full-fledged new CTV affiliates, and that rebroadcasting transmitters in an area served only by a CBC station wouldn't be practical. Competition could have been ruinous. So CTV proposed, and the Canadian Radio-television and Telecommunications Commission agreed, that CBC affiliates . be allowed to set up second transmitters. 'twin sticks.' and by broadcasting both signals become dual affiliates. The first supplementary affiliate, CHFC-TV Thunder Bay, began twin-sticking in 1972. Since then four other stations have joined CTV as supplemental affiliates: CICC-TV Yorkton in 1975, CITL-TV Lloydminster in 1976, CKCY-TV (now CHBX-TV) Sault Ste. Marie in 1978, and CJBN-TV Kenora

Donald O. Marshall (Engineer for KRTV, ch. 3 in Great Falls, MT) writes, "KTGF 16 came on the air for one hr. Sept 20 then programming Sept. 21st. They had short sked for several weeks. They had 200 ft. of tower. While they built ANT they came on between 4 PM to as late as 9:45 PM. They are now on full time and are in stereo. KRTV in your article is mentioned by its affiliates, each of which has diverse KRTV would have first pick of Networks. Wrong. KRTV is CBS net. We have been CBS primary for community groups, the affiliate-owners estab- dropped NBC about 2 weeks before KTGF came on

nighttime Spanish and Sportsvision WBBS. When from the July 20-26 Satellite TV Week. The SIN took over 44 (WSNS-TV -wbf) and all sub- headline reads, "Bill Gives FCC Scrambling scription-tv folded, WBBS was odd Spanish out Powers." Not referring to me, of course. Nor is that headline correct anyway, since no bill in congress can grant anybody any powers until is becomes law. This bill hasn't even passed Congress. "Four members of the House Telecommunications Subcommittee have introthe 50-56 swap go through anyway. So now WPWR duced new legislation which would give the FCC unloads 60 and keeps 50. WPWR walks away with power to ban scrambling if home satellite signal access fails to develop at competitive prices." As if the FCC really wanted to become involved. "According to Curt Smith, aide to Hardly a fair exchange. This means there will Rep. Dan Coats (R-IN), the bill's chief sponbe 13 TV transmitters operating in the Chica-sor, the bill seeks to strike a balance between consumer and programmer interests. The 26-44 run 1000-2500KW. I wonder what all this bill also mandates an annual FCC report to Congress to monitor the access and rates for floor residents and workers indowntown Chicascrambled stations." "Mark Fowler. FCC chairman, recently testified before the House Tele-2-5-9-20-32-38-44-66 are on the John Hancock communications subcommittee that he thought building. Since channel 56 will not be inline rate regulation measures such as HR 1840 and SB 1618 were not necessary if the marketplace can provide a fair distribution system." Didn't I tell you?

DECEMBER, 1986

Rich Turcsany (Fairfield CT) writes. "I have some more TV station news to pass along Network is buying WPWR, the ch. 60 station in to you - including some info about the Home Shopping Network, which is trying to purchase Chicago (sic) independent television station, stations in the top-14 markets that will carry nothing but a satellite-delivered shopat-home service. (Has WSJT-65 begun carrying HSC's 'late-night fun' program with Hans Burt from 12 AM - 6 AM vet?)" No. Just From Oregon With Love and other foreign programs. with English captions. They do have a Three Stooges remake every night disguised as a telephone auction. "I'm expecting a lot more CP's to come on the air with this type of programming in the near future, since there are other syndicators offering this type of show to UHF stations across the country. (WLIG-55 offers a show called 'Shopping Line' weekday be easily able to continue to beam its signal afternoons while WTXX-20 broadcasts 'The 800 Club! - not a religious program - all night long)." I'm waiting for the day that I will see one of these programs auctioning off fourteen UHF television stations.

"I've been doing a little ATV (Amateur Television) DXing recently using my P.C. Electronics downconverter, but I still haven't come have used that channel frequency to reach the across any DX activity, except for the ATV repeater on 426.25 MHz atop the World Trade Center! In fact, there aren't any local hams in my area operating amateur television. either, but I'm expecting this to change soon the price of video equipment is coming down." I can see it now: ATV Shopping Club. More data from Rich:

TARGET DATES: 10/1/86, KPST-TV, ch. 66, Vallejo, CA (Home Shopping Club); 10/86, KTGF, ch. 16. Great Falls, MT (MBC affiliate); (both of those stations are now on the air -wbf): 10/ 86, WFYF, ch. 50, Watertown, NY (will be network affiliates).

STATIONS UNDER CONSTRUCTION WILL AIR SOON: KTTW, ch. 17. Sioux Falls. SD (affiliated with Fox)

KTZO-TV, ch. 20, Denver CO WSJN-TV, ch. 24, San Juan PR (English lang.)

same article from the 10/6/86 that was mentioned last month and sent by Patrick Durkin Jr. That happens occasionally, but thanks the same for taking the trouble to sent it. From Tom Yingling (Dundalk, MD), an article

TELEVISION NEWS - page 10
the air. The reason KRTV is CBS is that we are part of a four station net. KXLF-TV 4. Butte; KPAX-TV 8 Missoula; and KTVQ-TV 2 is Billings. We went CBS because the other stations were CBS to make things the same and easier for all concerned."
APPLICATIONS FOR NEW TELEVISION STATIONS
CH ERP HAAT STATE/CITY/APPLICANT
45 87.1 335 FL Leesburg; Lake Community E
ucational Partnership
36 5000 570 SD Sioux Falls; Darryl Madloc
6 100 845 VA Richmond; Richmond Communi-
Television
60 1795 1756 AL Dothan; Broadcast Associat

59 2731 690 FL Jacksonville: Jacksonville Educational Television Inc.

59 5000 895 FL Jacksonville; Palmetto Broadcasters Associated for Communities Inc. 29 869 542 FL Ocala; Gospel Horizons Corp. 64 5000 518 TX Mineola: Wood County Broadeg

52 1000 1224 WI Mayville; Lancer Telev. Co. NV Las Vegas; ch. 33; Classic Visions Inc.; 2 9.1 1056 WY Jackson: Western Telecasting International Inc.

21 1790 1840 CA Hanford: Hispanic Broadcasting Systems Inc. (in contest with license renewal of KFTV)

34 1950 2940 CA Los Angeles; Hispanic Broadcasting Systems Inc. (in contest with license renewal of KMEX)

14 2570 1250 CA San Francisco; Hispanic Broadcasting Systems Inc. (in contest with license renewal of KDTV)

41 3240 1660 NJ Paterson; Hispanic Broadcasting Systems Inc. (in contest with license renewal of WXTV)

29 5000 1959 FL Ocala; Cultural Arts TV Associates Inc.

64 5000 273 TX Mineola; Steven Sparks 41 1000 500 TX San Antonio; Hispanic Broadcasting Systems Inc. (in

of KWEX) 51 5000 1165 MS Jackson; Turner Broadcasting CA Dalton; ch. 23; Family Television of Dal-& Communications

CONSTRUCTION PERMITS GRANTED

33 5000 1143 NV Las Vegas; 4-A Communicatins 38 5000 474 NC Greenville; Community Service Telecasters Inc.

(Review Board decision) 38 2690 2878 CA Santa Barbara; Coast TV (in-

itial decision) 11 31.3 340 MN International Falls; Marina D. Leathers (was CP for KITF

cancelled?) 52 2500 1370 TX Blanco; Opal Chadwell (initial decision)

48 5000 1229 CA Bakersfield; Dorothy Owens 59 5000 1109 CO Denver; High Seas Communications (Summary Decision)

64 3236 1000 FL Inverness; Meredith Corp. 45 3259 1081 MN Minneapolis: Vision Broad-

casting Corporation 32 2495 507 SC Myrtle Beach; Coastal Carolina Broadcasting Company

40 5000 1780 OR Portland; Cascade Video of Portland (Review Board dec'n)

APPLICATIONS DISMISSED

HI Wailuku; ch. 15; Dan Mahoney.

IA Waterloo; ch. 22; Hawkeye Broadcasting Ltd. Partnership. (Construction permit for KTCG was reinstated.)

CA Los Angeles; ch. 68; Visions International Inc. (returned; four-year-old construction permit for KDDE is still outstanding.)

CA Santa Barbara; ch. 38; Mission Broadcasting Corporation; Solar Television Inc. (initial decision)

es MI Marquette; ch. 19; Linda Turner d/b/a Turner Broadcasting (returned). MS Jackson; ch. 51; Linda Turner d/b/a Turner

Broadcasting (returned).

SD Sioux Falls; ch. 36; John H. Echols (ret'd) HI Hilo; ch. 14; Harry J. Turner

FL Inverness; ch. 64; Nancy Sharp (settlement agreement) Lonny Walters

Independent Concepts (settlement agreement) 43 100 1666 VI Charlotte Amalie; Broadcast TX Blanco; ch. 52; Blanco Communications Ltd.; Dorothy O. Schulze & Deborah Brigham (initial decision).

WV Martinsburg; ch. 60; M&D Broadcasting.

NC Greenville; ch. 38; East Coast Media (settlement agreement).

CO Denver; ch. 59; Don Thomas Moore; Sky High Telecommunications Company; Brassell & Romero: Mountain States Telecasters (Settlement agreement).

FL Bunnell; ch. 58; Press Broadcasting Company (at its request; proposed coverage area is far inferior to that of other applicants for the channel).

CA Bakersfield; ch. 48; Harold J. Mullican; Lash Communications; Liberty Broadcasting Corporation: Crown City Television Inc. (settlement agreement).

HI Lihue; ch. 10; William Gault (returned). FL Leesburg; ch. 45; Lake Community Educational Partnership (returned)

SD Sioux Falls; ch. 36; Daryl Madlock (ret'd). contest with license renewal | TX Mineola; ch. 64; Steven Sparks (returned).

FL Orlando; ch. 27; RCTV Inc.

ton Ltd.

MN Minneapolis; ch. 45; Metro Program Network. NV Reno: ch. 4: Washoe Broadcasting Company. OR Portland; ch. 40; Portland Television Asso-

ciates Ltd. 58 5000 379 TN Nashville; Ruth Payne Carman SC Myrtle Beach; ch. 32; Myrtle Beach Broadcasting Ltd. Partnership; South Carolina Broadcasters Ltd. Partnership.

TX Crockett; ch. 40; Peggy Nicholson; William Sanders.

TX Longview; ch. 54; Ashley Broadcasting. WA Bellevue; ch. 51; Rainier Broadcasting Co. Note: The SICC applications for license renewal have been conditionally granted, subject to the sale of the stations. This would mean that the applications for Hispanic Broadcasting Systems Inc. would probably be returned.

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS 21 n.c. 696 KY Louisville; WBNA (now on the air; probably as-built data change.) 47 107 341 MN Rochester; KXLT

TELEVISION NEWS - page 11 32 1885 918 MA Greenfield; WLQF 64 3134 1701 CA Barstow: KVVT 64 1433 1000 MI Kalamazoo: WLLA 23 957 1007 NY Buffalo: WNEQ-TV 50 1112 1268 NY Watertown: WFYF (ex-WJCK) 43 4320 1372 AR El Dorado: KCMM 23 5000 964 IN Marion: WMCC 32 2069 890 FL Lakeland; WTMV (now on the air: probably as-built) 39 690 730 IN Fort Wayne: WFWA ? KY Bowling Green; WKYU-TV (from 22 ch. 59) 17 20.6 209 SD Sioux Falls; KTTW 60 2056 1537 VA Roanoke; WZZW CONSTRUCTION PERMIT MODIFICATIONS GRANTED 60 1403 1011 NH Merrimack; WGOT 50 5000 1623 IN Gary; WDAI (from ch. 56; WCAE ch. 50. St. John to change to ch. 56) 53 1306 1169 TN Cleveland; WFLI-TV 23 5000 964 IN Marion; WMCC 35 85.9 471 MI Bad Axe; WUCX-TV APPLICATIONS TO CHANGE EXISTING FACILITIES 23 182 1062 PA Altoona: WWPC-TV (CP) 56 3390 1150 KY Danville; WDKY-TV (NP) 10 316 1214 MI Sault Ste. Marie; WWUP-TV (CP) 44 1738 971 TX Harlingen; KLUJ (CP) 6 97.5 2030 GA Thomasville; WCTV (MP) 57 800 2377 NY Plattsburgh: WCFE-TV (CP) 19 1662 421 PA Johnstown; WFAT-TV (CP) 60 5000 1621 IL Aurora; WPWR-TV (CP) 7 316 819 ME Bangor; WVII-TV (CP) 8 132 580 OK Savre: KVIJ-TV (CP) 6 100 954 TX Corpus Christi; KRIS-TV (CP) 10 316 1869 VI Charlotte Amalie; WBNB-TV (CP) FACILITIES CHANGES GRANTED CT Hartford; WHCT-TV, ch. 18; granted license to cover CP for changes; see 7/86 VUD. Also granted CP to raise ERP even further from

its newly licensed 547 kw max to 3273 kw max: 1830' AAT/160' AG/4600' ASL (10' lower CH CALLS ASL); TL at 376 Deerfield Road, Avon CT; coordinates 41°46'30"/72°48'04" (Az. 3°, 0.98 mile from present TL).

IN St. John; WCAE (off the air for about 3 years now); granted CP to change from ch. 50 to 56 in accordance with recent changes in the table of channel assignments; change 46 WJZY ERP from 1910 kw max/603 kw hor to 1355 kw max: 1033' AAT/975' AG/1695' ASL (650' higher ASL); TL 0.6 mile east of Reeder Road; coordinates 41°20'56"/87°24'02"; just east of Cedar Lake, Az. 1650, 22.04 miles from its present TL. Studios are located at 123 Sesame Street in St. John. Trivia quiz: what other educational stations have studios located on Sesame St.?

AR Little Rock; KTHV, ch. 11; granted license to cover CP for changes; see 11/85 VUD.

CA Hanford; KFTV, ch. 21; granted license to cover CP for increase in ERP from 1790 kw max/131 kw hor to 2820 max/151 hor; 1830' AAT/160' AG/4600' ASL (10' lower ASL); same TL, which is 52 miles away from Hanford. Increase in ERP should at least expand the Grade A contour to Hanford. CP was originally granted November, 1982.

CO Broomfield; KBDI-TV, ch. 12; granted license to cover MP for changes; ERP raised

from 151 kw max/123 kw hor to 229 kw max. HI Honolulu; KMGT (ex-KSHO-TV), ch. 26; granted license for changes; ERP reduced from 99.3 kw to 75.9 kw max; 2120' AAT/60' AG/ 2500' ASL (10' higher AAT); same TL.

LA Baton Rouge; WRBT-TV, ch. 33; granted CP to raise ERP from 1014 kw max/871 kw hor to 5000 kw max: 1713' AAT/1705' AG/1719' ASL (669' higher ASL); TL 1.9 miles west of Hwy 1 and Hwy 1148; coordinates 300191 35"/91°16'36" (Az. 233°, 5.38 miles from present TL).

NH Keene; WEKW-TV, ch. 52; granted license to cover CP for increase in ERP from 37.5 kw to 60 kw max.

NY Buffalo; WNED-TV, ch. 17; granted CP to raise ERP from 1150 kw max/910 kw hor to 2500 kw max; 999' AAT/1008' AG/1541' ASL (same TL, but 279' higher AAT, 270' higher AG, but only 196' higher ASL!)

NC Charlotte: WSOC-TV, ch. 9; granted license to cover CP for changes; see 6/86 VUD. MO Kansas City; KCPT, ch. 19; granted CP to

raise ERP from 1042 kw max to 1137.6 max; 1170' AAT/1192' AG/2019' ASL(27' lower). Same TL.

NH Littleton; WLED-TV. ch. 49; granted license for changes: ERP raised from 36.7 kw to 94 kw max. 1285' AAT. Everything else the same.

CA Sacramento; KVIE, ch. 6; granted MP to raise ERP from 55 kw to 100 kw max; 1861 AAT/1869' AG/1871' ASL (327' higher ASL) NJ Wildwood: WMGM-TV, ch. 40; due to damage to its transmitter on 10/6/86, the station

is operating at an auxiliary site with greatly reduced power until repairs are completed. From Bridgeton, it looks about as powerful as it was in the WAAT days.

APPLICATIONS FOR NEW CALL LETTERS STATE/CITY/APPLICANT 51 KBGE WA Bellevue: Gill Communications

CALL LETTER CHANGES GRANTED: NEW STATIONS 61 WROZ KY Owensboro; WPCA 55 KLDT TX Lake Dallas: Opal Thornton

MA Norwell: WYOV 46 WRYT NC Belmont: WMHU TX Wolfforth; Randy Chandler Min-22 KLRB

> istries CO Denver; Colorado Christian College

GA Albany; Albany Television Inc. 19 WTAU 52 WOCT GA Albany: Albany Broadcasters Inc OK Oklahoma City; Richard Mendoza 62 KMNZ

CALL LETTERS GRANTED: STATIONS ON THE AIR 23 WAKC-TV OH Akron; WAKR-TV 22 KWVT OR Salem; KECH

After eleven pages, I better call it quits. I still have plenty of mail, new stations on the air, Fox affiliates, and much more.

A1 KCHD

* * * PUBLISHER'S NOTES * * *

WTFDA REPRINTS AVAILABLE AGAIN! DETAILS ON THE NEW WTFDA REPRINT SERVICE CAN BE FOUND AT THE BEGINNING OF THIS ISSUE. WTFDA HAS OFFERED SUCH A SERVICE IN THE PAST, BUT HAD GONE WITHOUT IT SINCE PREVIOUS VOLUNTEERS HAD TO GIVE IT UP DUE TO LACK OF TIME. FORTUNATELY, V.U.D. TECHNICAL EDITOR TIM MCVEY CAME FORWARD TO RE-START THE SERVICE. TIM DESERVES OUR THANKS FOR THIS-HE'S ALREADY BUSY WITH A REGULAR COLUMN FOR THIS PUBLICATION, AND IS DOING THIS ON HIS OWN-ANOTHER EXAMPLE OF A CLUB MEMBER GOING ABOVE AND BEYOND THE CALL OF DUTY!

WESTERN TV DX TAKES A MONTH OFF EDITOR FRED MCCORMACK SENDS WORD THAT A LACK OF REPORTS, AS WELL AS SCHEDULE PROBLEMS, MADE IT IMPOSSIBLE FOR HIM TO DO A DECEMBER COLUMN. WATCH FOR THIS COLUMN'S RETURN NEXT MONTH!

FMEDIA IS COMING! 1987 CLUB CONVENTION HOST DR. BRUCE ELVING HAS LONG BEEN KNOWN AS A LEADING AUTHORITY ON THE TOPIC OF FM BROADCASTING; NOW, IN ADDITION TO THE FM ATLAS, HE'S GOING TO BE PUBLISHING HIS OWN MONTHLY NEWSLETTER ON THE TOPIC. IF YOU ARE INTERESTED IN THE STATE OF THE FM BROADCAST INDUSTRY, AND ITS SPECIALIZED SERVICES, SUCH AS SUBCARRIERS, YOU'LL WANT TO SUBSCRIBE TO THIS PUBLICATION. SUBSCRIPTIONS WILL COST \$45 PER YEAR FOR THOSE IN THE BROADCASTING BUSINESS, BUT WATCH FOR NEWS ABOUT SPECIAL RATES FOR DXERS.

AIRCHECK SERVICE OFFERS SPECIAL WTFDA RATE #1 MARKET AIRCHECKS, A NEW YORK CITY AREA AM/FM AIRCHECK SERVICE, HAS A TWO-TAPE SET OF NYC AREA AIRCHECKS AVAILABLE TO CLUB MEMBERS FOR \$10.50. THEY'RE ALSO SELLING AN ALL FLORIDA TAPE FOR \$6.75. THESE ARE 90-MINUTE STEREO CASSETTES, AND ALL THREE CAN BE PURCHASED FOR \$16.00. IF YOU'RE INTERESTED, CONTACT THEM AT: #1 MARKET AIRCHECKS, P.O. BOX 568, EAST HANOVER, NJ 07936.

HAPPY HOLIDAYS TO OUR READERS! HERE'S HOPING YOU HAVE A GREAT HOLIDAY SEASON! WE'D LIKE TO THANK YOU FOR YOUR CONTINUED SUPPORT (AS THE TWO FELLOWS SAY ON THE WINE COOLER COMMERCIALS) AND WOULD LIKE TO REMIND YOU THAT YOU ALWAYS GET MORE OUT OF A DX CLUB IF YOU ARE WILLING TO GIVE A LITTLE OF YOUR TIME TO CONTRIBUTE A DX REPORT, ARTICLE, OR WHATEVER! WIFDA HAS HAD A GREAT YEAR IN 1986-WITH YOUR HELP, WE'LL HAVE AN EVEN BETTER 1987. IT'S REALLY UP TO YOU!

-- BILL THOMPSON

SPECIAL COPER FOR DX CLUB MEMBERS:

1987 World Radio TV Handbook

The 1987 WRTH will be published in Dec. 1986 or Jan. 1987 and retail at approx. \$19.95+shipping. Prepublication orders are being taken at \$17 Book Rate or United Parcel Service (please specify) in the USA only. First Class Mail is \$18. CA residents, please add \$1.02 sales tax. The deadline for this special price structure is 20 January 1987. Thereafter, until further notice, the price is \$20 for Book Rate or UPS; First Class Mail will be \$21. Orders, with check or money order payable to CENTURY PRINT SHOP, including applicable sales tax, should be mailed as early as possible to: Century Print Shop, Don Erickson, 6059 Essex Street, Riverside, CA 92504-1599. (Please mention your club affiliation or source of info when ordering). Inquiries welcome at (714) 687-5910. Back copies of WRTH, 1981 thru 1984 and 1986, may be ordered at \$15 ea., 2/\$27, 3/\$39, 4/\$48, mix or match years.

RAY BRICHN SHOW/ ABC TALKBADIO 3RD ANNUAL"DX SPECIAL" SATURDAY, JANUARY 10, 1987— 0808 UTC

HERE'S YOUR CHANCE TO PLUG YOUR FAVORITE CLUB AND AIR YOUR FAVORITE DX-RELATED TOPIC ON NATIONAL RADIO! OUR IN-STUDIO GUESTS WILL BE PAUL SWEARINGEN, "MONITORING TIMES" COLUMNIST AND "MUSINGS" EDITOR FOR THE NATIONAL RADIO CLUB -- AND STEWART MACKENZIE, PRESIDENT OF THE AMERICAN SHORTWAVE LISTENERS' CLUB --- JOINING US BY PHONE ARE BOB GROVE, PUBLISHER OF "MONITORING TIMES", AND DR. BRUCE ELVING, PUBLISHER OF THE "FM ATLAS". LATER IN THE MORNING, WE'LL ALSO SPEAK WITH TOM KNEITEL, EDITOR OF "POPULAR COMMUNICATIONS", AND GEORGE JACOBS, WORLDWIDE RADIO ENGINEERING SPECIALIST -- AMONG OTHER NOTABLE PERSONALITIES FROM THE DX WORLD. WE WOULD ALSO LIKE TO HEAR FROM YOU --IF YOU'RE OUTSIDE THE LOS ANGELES AREA, JUST DIAL 1-(213)-879-8255 DURING THE SHOW. WHEN YOU DIAL IN, JUST LET THE PHONE KEEP RINGING --WE'LL-SAVE YOU A FEW BUCKS, AND ANSWER JUST BEFORE YOUR TURN TO GO ON THE AIR! THIS PROGRAM WILL BE HEARD NATIONALLY -- SOME KEY STATIONS INCLUDE WABC/770; WPRO/630; WTKN/970; WERC/960; WJBO/1150; WKIS/740; KPRC/950; KRNN/930; KTAR/620; KABC/790; KFBK/1530; KXL/750 & KGU/760. PROGRAM TIMES MAY VARY A BIT, SO BE SURE TO CHECK YOUR LOCAL SCHEDULE. ANY INFORMATION, INQUIRIES, IDEAS, ETC. ARE WELCOME -- JUST SEND THEM

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