

# From The STAFF

W.T.F.D.A. Headquarters, P.O. Box 514, Buffalo, NY 14205

**IT'S SYRACUSE IN 1989...** The site of the 1989 WTFDA Club Convention will be the Syracuse, NY area. As of the September 30th deadline, the only written bid received at P.O. Box 514 was that of member Bill Kretschmer of North Syracuse. The club gettogether takes place on the weekend of August 4th through 6th, 1989. Watch for further details in future editions!

**CHANGES BEING MADE...** Notice something different? FROM THE STAFF is back! Right now, we're examining possible additional minor changes in the format of the VUD, but the most popular features will remain. Bill Thompson is now Editor/Publisher. More technical articles are wanted, according to member mail. The subject most commonly requested seems to be DX signal propagation features. If there's a member out there who'd like to do a regular column on this topic, we'd love to hear from you!

**DUES GOING UP IN 1989?** It looks as if a dues increase will be necessary in 1989. Our production costs are expected to increase; the alternative would be to limit space given to the primary VUD features (i.e., DX report columns and the TV and FM news sections). We don't currently place space restrictions on these features. In fact, some all-band DXers say that WTFDA dues are quite a bargain, when compared with those of similar organizations and their publications. A modest increase, likely between 10 and 15 per cent, will probably take place this coming January--you can extend or renew your dues up to two years at the current \$15 rate until then. The rise in dues, pending approval of the Board of Directors, would be the first such increase in over seven years. More about this in next month's issue. Incidentally, dues go entirely toward publication and postage costs. We're a non-profit group; editors are not paid for all the time they put into their VUD work. As a result, only those DXers who have a serious interest and are truly dedicated to their hobby tend to volunteer--and wouldn't you really rather have it that way?

**COLUMN NEWS:** One member has volunteered to do a WTFDA membership roster which hopefully will be ready to run in either December or January...WESTERN TV DX did not appear last month due to an address error. The column ended up someplace in central New York State and got bounced back to editor Fred McCormack in North Dakota, and appears in this month's VUD...**FEEDBACK** will return--keep those comments coming, and remember to include a self-addressed stamped envelope if you want a reply on a specific point...Do we like to run cartoons? The answer is YES. If you can draw 'em, we can use 'em...

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Many thanks to Danny Buntin for this month's cover material.

## The Technical Topics Observer

W.T.F.D.A.

NOVEMBER 1988

No. 1

### WHAT'S UP WITH HDTV?

In short, the FCC has declared that any High-Definition Television (HDTV) system to be licensed and broadcast in this country will be compatible with our current NTSC standard. This guideline was issued the week of Aug. 29 after their 3-0 unanimous vote. FCC chairman Dennis Patrick stopped short of announcing any formal, technical specifications, i.e. format, aspect ratio, bandwidth, and lines-per-frame. He'd did say that any extra spectrum required for HDTV channels will be found in the current VHF/UHF TV bands.

The FCC, who some feel has avoided the HDTV issue for years, has adopted the same attitude it had with AM stereo standards--a *laissez-faire* stance with the primary goal of protecting millions of dollars in existing production, broadcast, and receiving equipment. (One estimate figures about 160 million TV sets in use in the U.S.) Economically, a huge potential market exists for new TV receivers and production equipment--and a chance for a new, multi-million dollar US industry. Zenith in particular, which has fallen into very bad times, stands poised to stage a comeback at the technical forefront of this new industry.

Currently at least 15 schemes exist for broadcasting HDTV (Also known as Advanced Television, or ATV). Many of these are summarized on the next page. A new HDTV standard would offer improvements over the NTSC (or PAL or SECAM) standard in four basic ways: better image sharpness, improved color rendition, a wider aspect ratio, and stereo, digital audio. Our present TV standard came from the National Television Standards Committee, which was formed in 1949. Its task was to come up with a way to broadcast color TV within 6-MHz channel allocations, and retain compatibility with existing B&W receivers. (In 1947, at least two dozen US manufacturers sold almost 200,000 TV sets.) Four years later, the NTSC standard was adopted and, in 1953, 13 companies introduced NTSC-based color TV sets. The standard called for the now-familiar 4:3 aspect ratio (ratio of picture width to height), 2:1 interlaced scanning, 30-Hz frame rate (2 fields per frame), and 525 scanning lines.

Again, Zenith (who was a significant contributor to the NTSC, who developed the MTS stereo TV standard, and who found its technique for multiplex FM stereo adopted as a worldwide standard) has come forward with an attractive HDTV proposal. The Zenith plan calls for a regular NTSC TV broadcast on one channel, while a HDTV version is transmitted on a separate, 6 MHz channel. Great improvements in picture and sound quality (about 5 times the video information and audio comparable to Compact Discs) would be available with receivers that can tune and process both channels. Further, the HDTV channel would require only 1/10 the transmit ERP of regular TV, meaning there might be little or no problem allocating all those new ATV channels! (More on that later.) The regular NTSC channels could eventually be dropped as more effective compression techniques are developed and as the U.S. is gradually weaned off the old TV standard.

Important to the success of the proposal is the separation of high and low frequency information within the video spectrum. The energy above 200 kHz is transmitted in the usual, analog fashion. But the energy below 200 kHz is first digitized and then sent along with the high-frequency content. Because most of the RF energy of a transmitter is used to reliably transmit lower frequencies, efficiency is improved. In fact, the energy required to transmit the digital form of that low frequency information is reduced by a factor of ten. Put another way, in a typical, 6 MHz NTSC spectrum, 99 per cent of the transmitter power is used to transmit the components below 200 kHz.

Now at a HDTV receiver, a certain amount of video RAM (VRAM) is necessary to accumulate and convert enough bits to recreate a picture. Zenith's scheme would require only about 1 Mbyte of VRAM to store a video frame. The proposal also suggests that the digital component of the signal can accommodate error-correction (to eliminate ghosting and minimize interference), and allow for variable resolution. The latter is important for compression techniques because it takes advantage of the fact that the detail of a moving picture requires much less sharpness--



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SYSTEM (SOURCE)	SCANNING LINES PER FRAME	FRAMES PER SEC.	FIELDS PER SEC.	VERTICAL RESOLUTION (lines)	HORIZONTAL RESOLUTION (lines)	ASPECT RATIO	CHANNEL BANDWIDTH (MHz)
NHK (NHK, Japan)	1125	30/60		750	750	16:9	50
ACTV (NBC, RCA, Samoff)	1050	30/60		480	410	5:3	6
BANDWIDTH EFFICIENT (MIT)	1200	60/60		720	1275	4:3	6
FUKINUKI (T. Fukinuki, Hitachi)	1050	60/60		400	450	4:3	6
HD-NTSC (R. Iredale, Del Rey)	1125 1050	60/60		450-700	450-700	5:3	6
RECEIVER COMPATABLE (MIT)	1050	60/60		600	660	16:9	6
SuperNTSC (Y. Faroudja, Faroudja Labs)	525 1050	30/60 30/60		330	400	4:3	6
YASUMOTO (Y. Yasumoto, Matsushita)	525	30/60		330	420	4:3	6
AT&T BELL LABS (T. Rzeszewski)	1050	30/60		480	600	5:3	6+6
GLENN (W. Glenn, NYIT)	1125	30/60		800	800	16:9	6-3
HDTV SIGNAL (North American Philips)	1050	60/60		480	495	16:9	6+6
HDB-MAC (Scientific-Atlanta)	1050	30/60		450	450	4:3	10.7
HDMAC-60 SIGNAL (N. A. Philips)	1050	60/60		480	495	16:9	9.5
HI-VISION (NHK, Japan)	1125	30/60		750	580	16:9	10.0

### MAJOR HDTV SYSTEMS AT A GLANCE

SOURCE: IEEE SPECTRUM, Vol. 25, No. 4, April 88, p.60. Brief technical comments for each system can be found in this source. V and H resolution are measured using a test chart.

lines of resolution--than a still picture. Digital compression algorithms are key to cramming 30 MHz' worth of information into a single, 6-MHz TV channel.

For DX'ing, the implications of this proposal are interesting. Since the second, HDTV channel will have 1/10 the power of the NTSC channel, it is believed that there is enough free channel space in almost all areas of the country to allocate the new channels without causing adjacent-channel interference. This could mean twice as many channels, if one looks at it that way. One also must wonder how the propagation would work. Theoretically the coverage would be the same for both channels, but the MUF of a skip opening could fall between the two (especially if the NTSC channel is on VHF and the ATV channel is on UHF). Would our rules state that both channels must be received in order to count a station as a new logging, or would most folk's logs increase as much as 2x? On an inverted point, nothing has been said about how much degradation a HDTV picture would suffer as a result of co-channel interference due to DX conditions.

No timetable has been set for the U.S. to come up with a final, ATV standard, even with the successful implementation of NHK's system. The FCC has given no public indication that 2-channel ATV standards, such as those from Zenith, Bell Labs, NYIT, and Philips are not acceptable, even though the prospect of assigning as many as twice the number of channels already in existence must be quite frightening. So far, only Zenith's proposal specifically addresses RF spectrum constraints with a practical solution. Surely many more ATV proposals will come to light in the near future; we can only hope that, with so much money at stake and so much to benefit from technology, the FCC will learn from the AM stereo debacle and adopt one and only one standard.

### IT'S JUST AN IDEA!

Recently, while at work conducting business, I had to place a call with an office in Warren, NJ. While on hold the music played, and it turned out to be from WNSR-105.1, "New York's soft rock," who was kind enough to ID just before the other party came back on the line. Now, since my office is less than 15 miles from my QTH, can I count this as DX? We have E-skip, auroral scatter, tropo, so how about Phone Duct propagation? And if PD is countable, why don't some of you DX'ers in Washington state give me a call on (301) 461-5597.

### MORE DIRECTIONAL ANTENNAS IN THE FUTURE?

(From MICROWAVES & RF, Sep. 88) The FCC has proposed a number of rule changes having to do with commercial FM station spacing. These include the following:

- (1) more detailed specification of antenna patterns;
- (2) more use of directional antennas to allow for widespread short-spacing of antenna sites;
- (3) do away with the current site separation requirements based on geographic mileage alone, and replace with a "contour overlap scheme;"
- (4) specify and establish a minimum, protected contour that would apply to all classes of FM stations.

The National Association of Broadcasters (NAB) opposes the use of directional FM antennas because patterns are difficult to maintain. Their comments, formally filed with the FCC, oppose the rule changes, asserting that they would degrade FM broadcast quality. They went on to say, "The listening public, as shown by the decline of AM radio, will not tolerate mediocrity in AM or FM broadcast signal quality." It is expected that others in the broadcast industry will voice concerns about the proposed rule changes.

In so many words, the FCC is wondering if it could stuff more stations in by using directional antenna patterns. Of course, DX'ers can look at this as either providing more DX targets or providing more interference. It seems likely to the author that economic motivations could induce broadcasters to tailor their patterns to reach desired markets or centers of population. Current "rim-shot" operators would especially benefit, as they could use a narrow pattern to deliver a strong signal to the city of interest while leaving the "hinterland" unserved. Regulations could reduce this occurrence. Just remember you saw it in the MUD first.

By T. K. McVey...comments welcome to 9906 El Dec Drive, Ellicott City, MD 21043.

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# Television news

Bill Fabber, editor  
336 Atlantic Street  
Bridgeton NJ 08302

**ABBREVIATIONS USED IN THIS COLUMN:**

AAT	Antenna height above average terrain
AG	Antenna height above ground
ASL	Antenna height above sea level
AZ	Azimuth (North=0°)
BT	Beam tilt
CIR	Circular polarization
CP	Construction permit
CRTC	Canadian Radio-television and Telecommunications Commission
DA	Directional antenna
ELL	Elliptical polarization
ERP	Effective Radiated Power
FCC	Federal Communications Commission (USA)
HOR	measured along a horizontal plane
MAX	In the direction or elevation of maximum signal strength
MP	Construction permit modification
TL	Transmitter or tower location
+	carrier frequency offset 10 kHz above standard
-	carrier frequency offset 10 kHz below standard
z	carrier frequency not offset

**APPLICATIONS FOR NEW TELEVISION STATIONS**

ST	CH	ERP	HAAT	CITY/APPLICANT
AZ	61	5000	1676	Phoenix; Brooks Broadcasting
AZ	61	5000	1703	Phoenix; KUSK Inc.
AZ	61	5000	1681	Phoenix; Maricopa Community TV Project
AZ	61	5000	1640	Phoenix; Sun World Communications
OR	27	28.5	1348	Medford; Junko & Bobby Lee Shehan
TX	25	2140	1020	Victoria; Richard Lee French (amended)

**CONSTRUCTION PERMITS GRANTED**

ST	CH	ERP	HAAT	CITY/APPLICANT
AZ	46	100	2300	Green Valley; Sunlight Corp. (FCC, upholding Review Board decision)
CO	50	5000	962	Denver; Lomas De Oro Broadcasting Corp. (Review Board decision)
CO	25	5000	1089	Longmont; Longmont Channel 25 Inc.
FL	58	5000	450	Fort Walton Beach; Clement S. Ross
FL	64	3236	1000	Inverness; Meredith Corporation
FL	51	5000	586	Marianna; WJOE (reinstated)
FL	29	2399	922	Ocala; Gospel Horizons Corporation
FL	27	5000	1803	Orlando; Reece Associates Ltd. (initial decision)
MI	43	5000	1000	Battle Creek; Margaret Miller
OK	45	5000	429	Lawton; Barton W. Ratliff (initial decision)
VA	64	5000	257	Charlottesville; Lindsay Television Inc. (initial decision)
VA	44	5000	109	Danville; A.W. Broadcasting (summary decision)
WV	60	3000	974	Martinsburg; Ralph Albertazzi
WI	57	641	403	Janesville; Tri-M Communications

**CONSTRUCTION PERMITS CANCELLED**

ST	CH	CALLS	CITY
KS	14	KUHL	Pittsburg
KS	34	KHCT	Salina
MD	52	WTVO	Cumberland
MS	44	WCSS	Greenville
MS	35	WDKM-TV	Vicksburg
TX	60	KTET	Tyler

**APPLICATIONS TO MODIFY CONSTRUCTION PERMITS**

ST	CH	ERP	HAAT	CALLS	CITY
CA	8	225	2448	Fort Bragg; KUKU	
CO	32	1500	2156	Pueblo; KPCC	
FL	26	5000	997	Daytona Beach; WAYO	
FL	59	5000	866	Hollywood; WYHS	
FL	51	5000	594	Marianna; WJOE (reinstated)	
FL	25	5000	1486	Tukeyville; WPBF	
GA	34	1258	1352	Athens; WNGM-TV	
GA	19	1738	538	Bainbridge; WTLH	
HI	14	75.8	26	Honolulu; KHNE	
HI	15	750	5653	Wailuku; KOGG	
IN	62	5000	479	Hammond; WJVS	

**APPLICATIONS DISMISSED**

AK	Anchorage; ch.33; Ecopac Broadcasting Group Inc.; HCPA Inc.
CA	Los Angeles; ch.33; Hispanic Broadcasting System Inc.
CA	San Francisco; ch.14; Hispanic Broadcasting Systems Inc.
CO	Longmont; ch.25; Echonet Corporation.
FL	Fort Walton Beach; ch.35; Jerome Swain.
FL	Ocala; ch.29; Cultural Arts TV Associates Inc.; Florida ETV of Marion County Inc.
FL	Orlando; ch.27; Central Florida Television Ltd.; Florida Television Company; Highland Communications Inc.; Emily E. Forester; Magic City Broadcasting Inc.; Martin Broadcasting of Central Florida Inc.; Orlando Television Partners; Orlando TV Partners Inc.; Orlando 27 Inc.; Sunshine TV 27 Inc. (initial decision)
FL	Orlando; ch.65; Metro Broadcasting Inc.
HI	Wailuku; ch.21; Minority Broadcasters.
IL	Chicago; ch.2; Center City Communications Ltd. Partnership.
KY	Wynnersboro; ch. 48; Teesha Broadcasting Inc.
MA	Worcester; ch. 48; Evangelic Schools Inc.
MI	Battle Creek; ch.43; Thompson Broadcasting of Battle Creek, Inc.
MS	Jackson; ch.51; Turner Broadcasting.
MO	Kansas City; ch.37; MTW.
MO	Kansas City; ch.62; Dr. Tom J. Walters.
OK	Lawton; ch.45; Day Broadcasting. (initial decision)
PR	Yauco; ch.42; Maranatha Christian Network for Channel 42.
TN	Livingston; ch.40; Teesha Broadcasting Inc. Ltd.
TN	Union City; ch.41; Turner TV Inc. (amended)
TX	San Antonio; ch.41; Hispanic Broadcasting Ltd. Partnership.
VT	Burlington; ch.44; Nopli Inc.
VA	Charlottesville; ch.34; Achenal Broadcasting Company; Evangel Communications Inc. (initial decision)
WV	Martinsburg; ch.7; Richard Lee French Community Television Ltd.
WI	Janesville; ch.7; Hefty Communications; M&D Broadcasting Ltd.

**CONSTRUCTION PERMITS CANCELLED**

ST	CH	CALLS	CITY
KS	14	KUHL	Pittsburg
KS	34	KHCT	Salina
MD	52	WTVO	Cumberland
MS	44	WCSS	Greenville
MS	35	WDKM-TV	Vicksburg
TX	60	KTET	Tyler

**APPLICATIONS TO MODIFY CONSTRUCTION PERMITS**

ST	CH	ERP	HAAT	CALLS	CITY
CA	8	225	2448	Fort Bragg; KUKU	
CO	32	1500	2156	Pueblo; KPCC	
FL	26	5000	997	Daytona Beach; WAYO	
FL	59	5000	866	Hollywood; WYHS	
FL	51	5000	594	Marianna; WJOE (reinstated)	
FL	25	5000	1486	Tukeyville; WPBF	
GA	34	1258	1352	Athens; WNGM-TV	
GA	19	1738	538	Bainbridge; WTLH	
HI	14	75.8	26	Honolulu; KHNE	
HI	15	750	5653	Wailuku; KOGG	
IN	62	5000	479	Hammond; WJVS	

MN	45	94.8	363	KVBM-TV	Minneapolis
MS	40	5000	814	WBOY	Holly Springs
NC	3	316	817	WFXT	Morhead City
ND	7	216	443	KJFR	Jamestown
OH	62	79	370	KMNZ	Oklahoma City
OR	24	2710	1519	KTOD-TV	Portland
TN	28	339	869	WMTT	Cookeville
TN	54	28.7	1007	WPMO	Jellison
TX	34	80	508	KCTF	Waco
WI	48	398	1076	WEXX	Chippewa Falls

**CONSTRUCTION PERMIT MODIFICATIONS GRANTED**

ST	CH	ERP	HAAT	CALLS	CITY
AK	5	100	879	KYLC	Anchorage
FL	26	5000	997	WAYO	Daytona Beach
FL	9	316	327	WIEB	Islamorada
FL	61	316	1453	WFOE	Palm Beach
IN	65	1630	1677	WTTB	Bloomington
LA	44	5000	1646	WPFT	Baton Rouge
MI	8	2	573	WJMN-TV	Iron Mountain
MI	38	5000	639	WABD	Rount Creek
NY	47	21	395	WBNR-TV	Cyrus
TX	35	147	216	KSUZ-TV	Abilene
VT	14	31	344	KXIV	Salt Lake City
VA	43	1076	377	WVBT	Virginia Beach

**APPLICATIONS TO CHANGE EXISTING FACILITIES**

ST	CH	ERP	HAAT	CALLS	CITY
CA	38	5000	1418	KWBB	San Francisco (cp)
CA	44	5010	1511	KBHK-TV	San Francisco (cp)
CT	30	1435	469	WVLT	New Britain (cp)
FL	4	100	436	WJXT	Jacksonville (cp)
FL	47	5000	931	WNET	Jacksonville (cp)
FL	28	1	749	WMLA-TV	Panama City (mp)
IL	27	2917	764	WTOT	Marion (cp)
IN	28	5000	1059	W3JW	Elkhart (cp)
LA	31	1720	1093	KLZX-TV	Alexandria (mp)
MT	7	44.1	1122	KLTZ	Bozeman (cp)
TX	17	315	1870	KHOU-TV	Houston (mp)

**CHANGES GRANTED STATIONS ON THE AIR**

AL	Montgomery; WPAR-TV, ch. 32; granted MP superseding previous MP to raise ERP from 620 kw max ERP kw hor to 4000 kw max; 1798' AAT/1771' ASL (974' higher ASL); TL Az. 212° (between 34 and 324°), 10 miles from Gordonville; coordinates: 32°08'15" N 84°41' 00" W. DVA miles. KW max ERP (cp) 1798' ASL should appear their coverage area quite a bit SW to W of Montgomery, with little change in the direction of Montgomery, also looks like better DX with its improved signal strength and much higher tower.
CA	San Francisco; KBHK-TV, ch. 44, granted MP to raise ERP from 2200 kw max/1800 kw hor to 5010 kw max ERP, 1511' AAT/1771' ASL (981' higher ASL); same TL on Mt. Sutro tower. Present contour stretch from Santa Rosa to south of San Jose, but I suspect they might be trying to reach as far as Stockton with this change.
FL	Nylen; WLVU, ch. 26; granted CP (actually, an amendment of a CP application nearly two years old) to raise ERP from 2770 kw max/982 kw hor to 5000 kw max; 1706' AAT/1819' ASL (1216' ASL (467' higher ASL); TL 5.5 miles SW of Forksnew; coordi-

**CHANGES GRANTED STATIONS ON THE AIR**

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FL	Nylen; WLVU, ch. 26; granted CP (actually, an amendment of a CP application nearly two years old) to raise ERP from 2770 kw max/982 kw hor to 5000 kw max; 1706' AAT/1819' ASL (1216' ASL (467' higher ASL); TL 5.5 miles SW of Forksnew; coordi-

ates 26°25'22"/81°37'49" (about 10 miles NNE of present TL; closer to the Fort Myers stations). Signal should reach Sarasota and nearly all of Lake Okechobee; should be good for dXers along the golf coast.

IL	Marion; WICT, ch. 27; granted CP to raise ERP from 2570 kw to 2917 kw max; 764' AAT/466' ASL (1306' ASL (presently licensed for 772' AAT); same TL. Don't expect much increase on this one.
IN	South Bend; WSBT-TV, ch. 22; granted license to cover permit for changes; ERP raised from 2175 kw max/586.53 kw hor to 4745 kw max; Antenna height reduced 50' to 1066' AAT/988' ASL (1857' ASL).
IN	South Bend; WNET-TV, ch. 34; granted MP to change from 708 kw to 691.8 kw max ERP; 807.5' AAT/725' ASL (1592.5' ASL; IL 16965 Johnson Road, Mishawaka, St. Joseph, coordinates 41°36'59"/86°11'43" (there are discrepancies as to its present TL, but assuming the data base from Lerry Fuss to be the more correct, this is a move one mile northeast of the present TL)
MI	Detroit; WDIV, ch. 4; granted CP to raise ERP from 37.7 kw to 100 kw max; 1004' AAT/1020' ASL (1706' ASL (47' lower); same TL.
MO	St. Joseph; KTAJ, ch. 16; granted CP to raise antenna height 564' to 1071' AAT/1027' ASL (2012' ASL; same ERP and TL.
OR	Medford; K0BI, ch. 5; granted license for changes; 2700' AAT/228' ASL (5358' ASL; TL King Mountain, 28 miles northwest of Medford; coordinates 42°41'49"/123°13'39" (differs from former coordinates by only a few seconds).
TX	Corpus Christi; KRIS-TV, ch. 6; granted license to cover permit for change; 954' AAT/945' ASL (1007' ASL (259' higher ASL); TL Violet Road, 2.94 miles south of Violet, southeast of Corpus Christi city limits; coordinates 27°44'28"/97°36'08" (Az. 152°, or SSE, 3.0 miles from former TL.

**CALL LETTER APPLICATIONS: NEW STATIONS**

ST	CH	CALLS	CITY/APPLICANT
CA	61	KYAK	Porterville; Arthur C. Krolowec
FL	63	WAJM	Palatka; Palatka Television Inc.
LA	44	WITW-TV	Baton Rouge; WPFT
NV	39	KRLEP	Primm; Red Communications
WI	57	WJNW	Janesville; Tri-M Communications Ltd.

**CALL LETTER APPLICATIONS: EXISTING STATIONS**

ST	CH	CALLS	CITY/APPLICANT
AR	38	KACN	Pine Bluff; KJTM-TV
PA	19	WPTJ	Johnstown; WFAT-TV
TX	23	KUVN	Garland; KTAB-TV

**CALL LETTER GRANTS: NEW STATIONS**

ST	CH	CALLS	CITY/APPLICANT
GA	55	WSST-TV	Cordele; Sunbelt-South Telecommunications Ltd.
KY	38	WSPH	Murray; WML LPTV Company
NC	47	WFXB	Rocky Mount; Family Broadcasting Enterprises Inc.
SC	36	WCTP	Charleston; Caro Broadcasting Ltd.
TN	28	WMTT	Cookeville; W5JA
TX	13	KWIY	Brady; Kimball TV Company
TX	47	KTAQ	Greenville; Bill Richard Wright (KXVI)

TX 5	KTHP	TV grant was set aside? Longview; Channel 54 Broadcast Company
TX 4	KMHB	McAllen; KYB

**CALL LETTER GRANTS:**

**EXISTING STATIONS:**

ST	CALLS	CITY/APPLICANT
CA 3	KNSD	San Diego; KCST-TV
FL 5	WACX	Leesburg; WIYE
KS 1	KBSE-TV	Ensign; KTVG
KS 1	KBSL-TV	Goodland; KIDE-TV
KS 1	KBSH-TV	Hays; KAYS-TV
KY 5	WKGB-TV	Bowling Green; WKGB
LA 2	WGNO	New Orleans; WGNO-TV
PA 2	WATM-TV	Allentown; WMPG-TV
PA 1	WPTJ	Johnstown; WFAT-TV
TX 2	KUVN	Garland; HLAB-TV

**CONSOLIDATED HEARINGS:**

AK	Chorage; ch. 33; Eclipse Broadcasting Group Inc.; Honet Corporation; HCPA Inc.; Alaska 33 Inc.
IL	Peoria; ch. 59; Peoria Broadcasting Company; Peoria Broadcasting Services, Inc.
LA	New Orleans; ch. 20; Swan Broadcasting; Crescent Broadcasting Corporation; Delta Broadcasting Louisiana; Tucker Broadcasting Company, Ltd. Partnership; Tracy Lewis Ltd. Partnership; Cajun Broadcasting.
NJ	Secaucus; ch. 9; WWOR-TV Inc. (for license renewal); Garden State Broadcasting Ltd. Partnership; Whitely Communications.
NC	Greenville; ch. 14; Karl H. Stoll; Coastal Plain Television Inc.; Community Service Telecasters Inc.
PR	Aguada; ch. 50; Channel 50 Television; Carlos R. Pantoja & Maria V. Vilarobia; Aguada Television Company.
PR	San Juan; ch. 60; Jose A. Ortiz Lozada; The Children Television Media; Hector Negróni Cartagena; Dentlake Productions Ltd.
PR	Fajardo; ch. 34; Hector Nicolau; East Coast Telecasters; Demarys DeJesus.
PR	San Juan; ch. 46; Ebenezer Broadcasting Group, Inc.; Ministerio Radial Cristo Viene, Inc.
TX	San Antonio; ch. 28; Silent Minority Group Inc.; Central Texas Broadcasting Company; Clear Channel Communications.
VT	Burlington; ch. 44; WCVC Inc.; Nichols Broadcasting Corporation; Maple Leaf Broadcasting Ltd. Partnership; Lake Champlain Communications Inc.; Burlington Channel 44 Inc.; Northeast Kingdom TV Co.; Burlington 44 Company; David McKeekin.
WV	Hartinsburg; ch. 60; Hefty Communications; MSD Broadcasting Ltd.; Ralph D. Albertszte.

**CHANGES IN THE TABLE OF CHANNEL ASSIGNMENTS:**

FL	Panama City; add 46z
IN	Indianapolis; delete 17z; add 16z
IL	Rockford; delete 17z; add 17z (license of WIVB to be modified)
MI	Grand Rapids; delete 17z; add 17z (license of WXMI to be modified)
MS	Grenada; add 22z (site restriction 12.5 miles northeast of Grenada)
OH	Columbus; add 17z (site restriction 19.9 miles southeast of Lima to avoid short-spacing to WXMI, Grand Rapids MI and land mobile operation; on channel 16

(Detroit).  
 OH Xerox add site restriction, add miles, etc.  
 OR Xerox Bay and 24 (requested by FMR, Inc.)  
 OR Xerox Bay and 24 (requested by FMR, Inc.)  
 WY Xerox Bay and 24 (requested by FMR, Inc.)

**WOMAN FORUM**

Grave Speechman should appreciate this report for his experience with AVN, as he reported on p. 28 of last month's WUD. **JOHN COMBS** (Jacksonville, Fla.) reports, "Here's a word experience to relate in your column. Recently, I signed an unid-32 LPV carrying out old friend Dr. Anne Scott. I called his HQ to try and obtain information about this affiliate. After some discussion by the lady on the phone, and a painstaking explanation of what the WFBA is, she said she would give the request to the proper person if I gave my phone #. I explained that I am rarely home and asked if an affiliate list would simply be mailed to me. She brusquely replied, "Oh, no. They're not going to send you anything through the mail, that's for sure!" and then repeated the request for my phone #. I made a remark (mistake) about not expecting this to be difficult. This woman exploded, literally yelling at me on the phone, how I was rude and demanding and how they are not here to tend me the needs of some stupid hobby, etc., concluding with "Now do I get your phone # or do I terminate this call?" Needless to say, she hung up. A glowing example of Christian charity!" I was surprised. When they were having trouble with the FCC, I wrote to them, requesting material to present their side of the case, and they sent me a thick folder loaded with photocopied court documents and correspondence.

On another subject, a card dated 9/6 report "WAYQ-26 Daytona Beach FL begged here for list the today. Had not seen them while in Orlando a couple weeks ago. ID I saw [mentioned] WAYQ-56 (parent) but not WAYQ-26? Wonder if they know that they have to do that?" Was that an on-the-hour identification, is required? As far as I know, satellites are not required to show some kind of ID, although a parent station would not be required to include it in other identifications.

**PAUL GAINES** (Detroit MI) reports, "I saw the Canton 17 10 on that station on 39 finally! Got to be KTR. Comes in here very weak. On their 30 Canton 17 doesn't say anything about it!" (Most likely WORA, Youngstown OH - WOF) "Also, I got another new one on 44 1BN-Bill [Thompson] says it's in Erie, Pa. 30 watts. I get it weak 1BN stations (17 & 44) I never see ID on half hour & part of the time but on the hour. Makes for hard time to ID call letter & location. You are blowing a lot of time trying to find them. Figuring fade outs on weak stations with the FCC would enforce on the hour & half hour. BCFW have enough trouble with Canadian stations IDing. "1BN I heard on one of their programs like they have 15 or so [stations] ready to go on 15 or before the FCC for approval. And want to put 100 watts it will never happen!" XLTR in Key West - Castro will hear it!"

**LARRY FUSS** (Opelika AL) reports, "WNTZ (Ch. 48) in Natchez, MS is dark. Last I heard, they filed chapter 11. WXXV (Ch. 45) in Gulfport, MS is for sale... They are having financial problems, too."

One clipping sent by Lantz reports, "National Minority Television Inc. has set a tentative date of broadcasting the Trinity Broadcasting Network on the UHF Channel 42 in the Midland/Odessa (Texas) UHF area

on Oct. 10...  
 Larry sent a clipping from the 8/29 *Electronic Media*, which reports on EXGN-TV, Glendive MI: "After 30 years on the air, the only TV station in the nation's smallest market is fighting for its life. The community it's served since 1957 would like to buy the station, but it isn't sure it has enough money. EXGN-TV, like the town of Glendive itself - the nation's 212th TV market - is going through hard times. With national spot sales at a virtual standstill, EXGN can't afford news wires and ratings services."

And here's another article, from the 9/5/88 *Electronic Media*: "A former network TV executive is using his network knowhow to program a new independent TV station in Columbia, S.C. And according to the executive, Walter Flynn, the station in July received the highest sign-on metro share of any new UHF independent in the history of A.C. Nielsen Co. He adds that his station, WACH-TV, was tied for the Arbitron Ratings Co. record in that service's July report." "At WACH, which went on the air June 11, he's using strategies that he says characterized the ABC Television Network and owned stations in ABC's early days. That's because WACH is a Fox Television Network affiliate, and Mr. Flynn sees similarities between the fledgling Fox programming service and the early ABC network, which was launched with considerably less than a full week's programming. For one thing, Fox gave WACH permission to strip episodes of "Married...With Children" and "21 Jumpstreet" weekdays from 6 p.m. to 8:30 p.m. and 7 p.m. to 8 p.m., respectively. WACH airs Fox's Sunday night lineup as well. By stripping the two popular Fox shows, WACH was able to introduce the Columbia market to the programs, which had never been aired there before the station signed on." "Mr. Flynn said every episode of each show, a total of approximately 55 episodes each, will be aired twice by the time the stripping ends Sept. 9. After that, the station plans to schedule two-hour movies, arranged in theme weeks, from 6 p.m. to 8 p.m." "Mr. Flynn says that strategy is also borrowed from his days at the ABC-owned TV stations, when one of the aims of programming strategy was to 'break people's viewing habits.'" "Mr. Flynn and a group of investors bought WCEI-TV in Columbia in May for \$3.7 million from the Rev. James Thompson, who operated it as a full-time religious station." A subsequent letter to the editor on 9/19 argues that the ratings record sign-on for an independent UHF station was actually set by WFFF-TV, Fort Wayne IN.

If you feel earth tremors emanating from the northern Great Plains, it's probably **FRED MCCORMACK** (Fargo ND) exclaiming, "Wait a minute! I sent him those articles." Actually, he and Larry both took the trouble of sending those articles to me. But here's another article from Fred, from the 9/5 *Electronic Media*. "For decades, UHF stations have been handicapped in competing with VHF stations. The transmitter tubes used by both types of stations, called klystron tubes, are limited in their ability to handle the UHF signals, which are transmitted on shorter wavelengths than VHF signals. But a new kind of tube is changing that. At 3:30 p.m. on June 5, Al Korn turned on the new transmitter at WCFB-TV, a public TV station near Augusta, Ga., and a new era in UHF/VHF competition began. WCFB is the first UHF station to use the new six-trade-tube transmitter from Comark Inc. of Columbia, Pa. "Our former transmitter, which was 20 years old, ran at 30 kilowatts and was costing \$5,000 to \$6,000 a month to operate," says Mr. Korn, WCFB's director of

engineering. "The new transmitter has 13 times the effective radiated power, and its power bills run around \$7,200 per month." In practical results, Mr. Korn says, the station's coverage area increased from 6,000 square miles to 9,000 square miles without greatly increasing the power bills. "For the first time, UHF and VHF stations will be on an equal footing, technologically."

Fred sent an article from the 9/12 *Electronic Media* about WBCT, channel 43 in Bridgeport CT. "A Connecticut TV station is planning a program schedule aimed primarily at Jewish viewers in the New York metropolitan area. Beginning next June, WBCT-TV in Bridgeport, Conn., which currently carries home-shopping shows, plans to carry a range of programs that would appeal to the estimated 3 million Jewish viewers living in the New York area, including southern Connecticut. "In order for a broadcast property to be viable today, it has to identify an audience and focus on it," says Michael Vlock, president of Bridgeways Communications Corp., which owns WBCT. He says WBCT's Jewish-oriented shows will include news and public affairs programs that focus on issues such as anti-Semitism, Soviet Jews and developments in the Mideast."

**FORUM CANADA**

**BILL DRAEB** (Kewaunee WI) forwarded a copy of a letter from Wendy Figueiredo, Audience Relations Officer for TVOntario, giving some information about TVO repeaters. "TVOntario uses two kinds of transmitter to broadcast our signal which is beamed from our master control in Toronto to the **Anik C3** satellite via our uplink, then back down to either HPRT's (high power rebroadcast transmitters) or LPRT's (low power rebroadcast transmitters), and in turn, reaches the homes of 96 percent of the population of Ontario either off air or by cable. HPRT's service very large areas such as Toronto, Ottawa, Sudbury, Etc. LPRT's, whose tower heights are about 72 feet plus 8 feet of pole, broadcast to a radius of usually no more than 5 miles. If the LPRT is broadcasting to a UHF channel it generally uses 20 watts of power, but if the signal is being sent to a VHF channel, approximately 5 watts of power is all that is required. LPRT's have proven themselves to be very useful in servicing those towns and villages that are small and spaced far apart where an HPRT would not be used to its full capacity." Bill also enclosed a list of nearly 200 LPRT's, but my policy has been to spend very little or no space in this column to any translator or repeater under 100 watts TP0.

Bill also reported on those new CBC English stations between Lake Erie and Lake Superior. "The six CBC English network UHF transmitters mentioned in the July WUD are on as of last week when I first noticed them. Note that a couple of them are on different channels than mentioned in the WUD. The six are: ch. 56 Kitchener; ch. 40 London; ch. 45 Wingham; ch. 20 Warton, ch. 34 Sarnia; and ch. 64 Chatham. The only time the call letters are mentioned is when the network begins programming in a.m. They run 3/4 color bars (no calls) prior to that for a couple of hours. The only other ID they use (at hour & half hour intervals) is 'CBC for southwestern Ontario, CBLN.' Ch. 40 & 45 are in daily here with 20, 34 & 56 on better than average days. I haven't seen ch. 64 yet."

Still some Canadian news from last month; I'll make sure they get in December's column.

# KC FM NEWS

## New FM Station, Translator Grants Selected translators only

AL Eutaw 104.3 3000 h.v.; 100 m  
CA EastPortervilleKPOR 100.5 3000 h.v.; 7 m  
CA Fairfax KYUU-3 99.7 58 w (h) booster  
CA Woodlake 104.1 31600 h.v.; 188 m  
CO Colorado Springs \*89.7 400 h, 100 v, 626 m,  
Ed. Communications of CS (see also "Dele-  
tions," below)

IL Metropolis 105.5 3000 h.v.; 100 m  
IA Jefferson 98.9 3000 h.v.; 31 m  
KY Shelbyville 101.3 3000 h.v.; 100 m  
LA Opelousas 105.9 3000 h.v.; 100 m  
MA Fairhaven (New Bedford) 107.1 3000 h.v.;  
100 m, Sage Bestg.

MI Glen Arbor (on shore, WNW Traverse City)  
98.1 1350 h.v.; 150 m, Michael E. Bradford  
MI Port Huron 102.3 3000 h.v.; 97 m  
MO Richmond 92.5 3000 h.v.; 100 m  
NH Meredith WMRQ 101.5 3000 h.v.; 92 m  
NM Roswell 100.5 100000 h.v.; 314 m  
NM Santa Rosa 95.9 3000 h.v.; 8 m  
NY Dansville 93.9 720 h.v.; 202 m  
NY Fredonia 96.5 660 h.v.; 209 m

NY Irondequoit (Rochester) WIRQ \*93.3 40  
watts h, 32 m, p[rogressive rock], Stereo.  
Listed previously on 90.9, it has been on 93.3  
"for four years (and) are apparently off  
during the summer months." Grant may be  
short-lived because of Class A allocation in  
nearby Avon NY—or they may have to  
tolerate lots of destructive interference, as  
will WBKT \*93.3 Brockport NY.

NY Waterloo 98.5 3000 h.v.; 100 m  
NY Webster LV292A \*106.3 —did not delete  
when WMMH 89.3 Webster came on, but  
carries all WMMH 102.9 Syracuse programs,  
even those not carried by WMMH when latter  
breaks away for local church programs. "I  
think it's terrible that WMMH ties up two  
local frequencies for one program when they  
are the same 90% of the time."

NY Whitehall 94.1 3000 h.v.; 100 m, W. Radio  
OK Taft (Muskegon) 100.3 3000 h.v.; 67 m  
OR Sulphur ("Black Butte") K2B1BF \*100.1  
(KEAR 106.9 San Francisco; had been listed as  
Roseburg)

PA Erie \*88.1 2200 h.v.; 201 m, d-a (directional  
antenna, Family Stations, to be \$, g  
\*88.5 350 h, 3 m, Mercyhurst College; both  
these stations can be accommodated without  
having to share time

PA Williamsport 107.9 180 h.v.; 394 m  
TN Humboldt 105.3 3000 h.v.; 100 m  
TN Seymour (Knoxville—half way to Sevierville)  
96.3 3000 h.v.; 100 m, Carmel Communica-  
tions (m. Sky King, Inc.)

VT Danville(St. Johnsbury) 95.7 2000 h.v.; 122 v  
VA Rocky Mount 99.9 3000 h.v.; 100 m (m  
WA Medical Lake(Spokane) 95.3 1300 h.v.; 151 v  
WV Bridgeport 104.1 3000 h.v.; 100 m  
BC Victoria \*92.1 72000 h.v.; \$, c, to rebroadcast  
CBU-FM 105.7

NS Middleton \*93.3 8000 h.v.; \$, c, CBC Stereo  
ON Owen Sound CFOS-FM 96.5, expected on air  
shortly, no parameters announced; may have  
to wait until CIBC-3 \*96.5 Penetanguishene  
moves to the educational part of the band

## Call Letters Assigned

AL Camden 102.3 WYVC  
AK Anchorage 107.5 KASH (from KASH-FM)  
AK Bethel 107.9 KBTB  
AR Marshall 104.3 KSNE (KZRO)  
CA Avalon \*88.7 KPJO  
CA Central Valley 99.3 KRPG

CA Hanford 107.5 KCLQ "FM" (KCLQ-FM)  
CA Santa Rosa 101.7 KXFX (KVRE "FM"),  
"The Fox," still r  
CO Cortez \*91.5 WSJE (yes, W, not KSJE)  
CO Denver 105.9 KBPI-FM (KBPI)  
FL Clearwater 95.7 WLLT (WNL1)  
FL Cocoa 99.3 WLRO-FM (WLRO)  
FL Goulds 98.3 WAQI-FM (WTHM; AM is in  
Miami)

FL High Springs 104.9 WYCC (WKAE)  
FL Riviera Beach 94.3 WMXD (WNJY)  
FL Tallahassee 95.9 WTGM (WMNX)  
GA Guthrie 100.7 WDRL  
HI Waipahu 107.7 KDEO-FM (KLBE)  
IL Sandpoint 102.5 KJDE  
ID Champaign 97.5 WHMS "FM" (WDWS-FM)  
IL Eureka 98.5 WCRI  
IL Mount Morris 100.5 WRMA  
IL Oak Park 102.7 WVHD (WBMX-FM)  
IN Richmond \*89.3 WVXR  
KS Baxter Springs 107.1 KMOC (KBLT)  
KS Eureka 93.5 KNPA  
KS Girard 101.1 KYPG (KFRB)  
LA Baton Rouge 100.7 WTGE-FM (WOXY-FM,  
m ("AC), The Tiger")

LA Lake Arthur 107.3 KAHJ  
LA North Fort Polk 106.7 KCJL  
LA Shreveport 96.5 KVKI-FM (KVKI)  
ME Bar Harbor 107.7 WTBU  
MD Westernport 92.7 WEFS  
MI Grand Rapids 96.9 WLAV-FM (WLAV)  
MI Hancock 98.7 WTHV  
MI Roscommon 101.1 WLAI  
MI Sautter Ste. Marie \*98.3 WCMZ "FM"  
MN Anoka 107.9 KQDL (KMKG), r (oldies),  
"Cool 108" (strict)

MN Appleton \*91.3 KWMM ["TK-102"]  
MS Gulfport 102.3 WTKI "FM" (WGCN-FM, r/  
MO Buffalo 99.5 KBFL (KSDI calls "set aside")  
MO Webb City 95.1 KLLL-FM  
MT East Helena 104.1 KHKR "FM" (KZKY)  
NH Newport 101.7 WNTK-FM (WNTK "FM")  
NM Portales 95.3 KSEL-FM (KXHL)  
NY Albany 107.7 WGNB-FM (WGNB)  
NY Lake Success 103.5 WYNY (WQHT), k  
NY New York 97.1 WQHT (WYNY), sr, "Hot  
97"

NY Olean 95.7 WOLN (WESF)  
NY Plettsburg \*89.7 WSTY  
NC Washington 98.3 WBRF "FM" (WFXX), m)  
(PMNew age)  
NC Wilson \*90.5 WAHD  
NE McCook 93.9 KFBU ["97-Rock"]  
NY Buffalo 96.9 WGR FM (WRLT)/  
NY Stillwater 101.3 WSSV  
NC Morehead City \*90.7 WOTJ  
OH Coal Grove 97.1 WZTX  
OK Lahoma 95.7 KGPD  
OK Perry 105.1 KJFK  
OR Creswell 95.3 KZAM "FM" (KZAM; AM in  
Springfield has new calls)

PA Grove City 95.1 WRKU "FM" (WEDA-FM)  
PA New Kensington-Pittsburgh 100.7 WXP  
(WXXP), back on air, r, "80s mix, including  
current hits." Non-ID: "Mix 100.7 FM"  
SC Columbia 104.7 WNOK (WNOK "FM")  
TN Clinton 95.3 WTNZ "FM" (WTNZ-FM, AM  
in Knoxville gets new calls), "Power 95," but  
said to be off the air (temporarily?) because  
parent company has more debts than assets  
TN Knoxville \*90.3 WUTK-FM (WUTK; commer-  
cial station WIVK AM 850 becomes WUTK,  
owned by Schools)

107.7 WIVK "FM" (WIVK-FM)  
TN Maryville 95.7 WYNO  
TN Tullahoma 93.3 WKOD "FM" (WKOD-FM;  
AM has new calls)

TX Bowie 100.7 KRJT (KRJT)  
TX Gatesville 98.3 KHGS (KPEP)  
TX Granbury 106.7 KYOT "FM" (not KVOT)  
TX Kilgore 95.9 KKTX-FM (KKT X)  
TX Kingsville 97.5 KWVS (KDUV)  
TX Navasota 92.5 KNAV  
TX San Antonio 105.7 K2VE (KBUC-FM,  
Spanish, i)

TX Tulsa 104.9 KDOA  
VT Rutland 94.5 WKLZ  
VA Franklin 101.7 WLQM-FM (WLQM)  
VA Narrows 101.3 WNRV  
VA Newport 104.9 KMJY-FM  
VA Shenandoah 104.9 KSSY (KYFR "FM")  
WV Matewan 106.7 WMMY  
WI Evansville 105.9 WEBU  
WI Cruz Bay 92.3 WDCM  
ON Mississauga 96.3 CFMx 1, \$, c, 31000 h.v.;  
103 m, omni. "10s as 96.3 CFMx 103.1."  
—The original station in Cobourg 103.1  
plans to raise the antenna height by Christmas  
(they will be moving to the new 153-m Global  
tower, which has just been completed on the  
same site!)

ON Windsor CKMR (CKLW-FM), "More-94," r,  
"with rock oldies of the '50s and '60s... You  
will virtually never hear call letters on the  
air."  
PQ Chicoutimi 96.9 CFEE (calls assumed from  
hourly ID: "C-Fee FM 96.9 Saguenay/Lac St.  
Jean," Non-ID (strict): "Quatre-vingt-dix-  
sept," format is r (top 40, similar to CKOI)  
Verdun, also on 96.9)

Calls Mystery  
TN \*88.1 Now WRFN (changed from WFSK?)  
Nashville  
Facilities Changes Granted  
AL Tusculum WVNA-FM 100.3 303 m (100  
kw)  
AK Bethel KYKD 100.1 22 m (3000 h.v.)  
AZ Springville KQAZ 101.7 1100 h.v.; 1 m  
CA Grass Valley (new) 99.3 1020 h.v.; 168 m  
CA Weed KWHD 100.9-107 m (3000 h.v.); to  
return to the air, \$, r m)  
CO Manitou Springs KCMC \*88.7 (from 88.1)  
CT Shelton WRXC \*90.1 permission granted for  
full-time operation (100000 h.v.)  
FL Jacksonville WQIK 99.1 309 m (h.v.)  
GA Moultrie WMTM-FM 93.9 129 m (100000)  
GA Vidalia WGPB \*91.5 119 m (50000 h.v.)  
IL Chicago WNVA 95.5 8300 h.v.; 357 m  
IL Kankakee WBUS 99.9 150 m, nondirectional  
(50000 h.v.) (m, adding vert. ical  
ME Gorham WMPG \*90.9 110 h, 1000 v, 71/  
MI Benton Harbor WAFB-FM 99.9 5000 h.v.;  
147 m, non-DA  
MI Kalamazoo WDR \*85.1 57 m (100 h.v.)  
MI Portage WRKR 150 m (50000 h.v.), not yet on  
air, "June 1, 1988, was to have been its target  
date"

MN Collegeville KNRS \*88.9 222 m (100000)  
h.v.), on air nt (news and talk format), mono.  
Relays KSJN AM \*1330 Minneapolis  
MS Clinton WHJT 93.5 100 m (3000 h.v.)  
NM White Rock KTJB 101.1 16 m (3 kw)  
NY Salamanca WQRT 98.3 1600 h.v.; 131 m  
OR The Dalles K218AZ \*91.5 (from K 215AT  
90.9) 1127 m  
OR Springfield KOFE \*88.9 1300 h.v.)  
SC Cheraw-Florence WPD 2 103.3 (from 103.1)  
43300 h.v.; 160 m, C2  
TX Abilene K296E 107.1 has KELI 98.7 San  
Angelo on it, not KLSG 104.7 Lamesa  
TX Bandera KHLC 98.3 1700 h.v.; 131 m  
TX Nacogdoches CBC 107.7 (from 92.1)  
5000 h.v.; 150 m, Class C2  
TX Paris KT XU 107.7 35000 h.v.; 92 m  
TX Robstown K LUX \*89.5 60000 h.v., d-a; 291

## FCC-FM

m (3000 h.v.)  
TX South Padre Island (new) 92.7 85 m/  
VA Galax WBRF 98.1 100000 h, 96000 v,  
adding vertical, 535 m, d-a  
VA Warrenton WMJR 107.7 45000 h.v.; 157 m,  
d-a

WA Bellevue KLSY-FM 92.5 57000 h.v.; 714 m  
WA Gig Harbor KGHP \*89.9 880 v (only—no  
horizontal; 58 m), transmitter Home WA  
WA Pasco ("Tri Cities") K255—\*99.7 (from  
K216AE 91.1—this is the mystery rebroad-  
caster reported heard last month, having  
changed frequencies because of KRBM \*90.9  
Pendleton OR increasing power)

WA Seattle KMPS-FM 94.1 57000 h.v.; 714 m,  
transmitter to West Tiger Mtn., 6 km SE of  
Issaquah WA (3000 h.v.)  
PR Cabo Rojo WMIO 102.3 238 m / [000 h.v.)  
VI Charlotte Amalie WTBN 102.1 466 m (50/  
BCSachet CISE 104.7 (from 104.1). "Definitely  
on 104.7, confirmed by highway signs and  
my digital radio display... It particularly  
struck me as odd with the two communities  
(Fender Harbour also on 104.7) so close  
together... Mono helps Mountain FM sub-  
stantially along the coast, as well as from  
Squamish to and through Whistler"

ON Kitchener CKGL 96.7 100000 h, v (201 m)  
Facilities Mystery and Application  
NB \*97.9 English CBC on air and displacing  
French CBAP-22 Neguac? On air ID as "CBC  
Moncton." CBC print lists shows station as  
Allardville, but without call letters.  
ON Orillia CBC seeks \*91.5 (from 105.9) and  
relocate transmitter site and reduce power. "The  
request is in line with the CBC policy of moving  
to educational FM channels where possible and  
free up commercial channels for use by private  
broadcasters. The CBC would cease operation of  
CBCM (107.5) Penetanguishene ON if the  
application is approved."

## Stereo, or to be Stereo

AR Huntsville KFAY-FM 95.9  
FL Century WGTG 105.1, "Good Time 105," ID  
with Pensacola. Back on air after tower fell.  
IL Galena WJOD 107.5 m, "vocal standards, jazz  
instrumentals, new age music, popular music  
and non-single tracks from hit albums."  
IN Corydon WJOW 96.5 r ("lots of oldies"), 24  
hours

KY Grayson WJOD 102.3, ID with Olive Hill  
MN Sattel WKSJ 96.1 r, "Star 96 FM" (strict).  
ID with St. Cloud and several other cities,  
telemetry (TU), 67 kHz, same satellite music  
as on KEZZ 94.3 Aitkin, but with poorer  
fidelity  
WV Ravenswood WRZ 2 106.1  
BC Uclulet/Tatino CKKS-102.7 and CFMI-  
104.7. "Since they were about equal level in  
both communities, I don't know precisely  
where they may be located. But with the  
chain of mountains paralleling the coast, a  
single site could easily cover the entire area.  
Fade out was relatively rapid going inland  
through the mountains."

## Format Changes

Formats are the same as in the "FM Atlas"  
AL Mobile WAUV 96.1 r, "Transtar's Oldies  
Channel. We beat them in the Last Arbitron,  
and on Sept. 1 they changed."  
AL Selma WTUN 100.1 r, Transtar a-c  
CA Bingham KIBS 100.7 k (country)  
CA Delano KX XX-FM 105.3 sr, "Power-105"  
FM-93"  
CO Pueblo KRYT 107.9 r, oldies, \$  
CT Waterbury WXDJ 92.5 k  
FL Homestead WJXJ 95.7 r, "AC jazz"  
GA Elberton WWRK 92.1 k, "92-K FM"  
IN South Bend WHME 103.1 Harvest FM 103.1  
simulcast with WSGC AM (dumping b)  
IL Westminster KZE-FM 96.5 r, parallel to AM,  
ID Nampa KLCI 96.9 r, CHR  
IL Chillicothe WBMZ 94.3 r (oldies)  
IN Batesville WRBI 103.9 k

## Watch CBCM Vanish!

IN Danville WSYW 107.1 c (classical)  
KY Monticello WKYM 101.7 r [102.5"]  
ME Camden WOSS 102.5 rm, still "Coast/  
ME Rumford WWMR 96.3 mg  
MI Cadillac WEVZ 96.7 r (CHR)  
MI Harbor Springs WLTO 103.9 k  
MI Howell WHMI FM 93.5 rm, adult contem-  
porary; ID with Brighton

MS Tupelo WZLO 98.5 m, "soft a-c"  
MO Dexter KDEX-FM 102.3 k  
MO Liberty KXXR 106.5 rp, "hard rock"  
NE West Point KWFN-FM 107.9 r (CHR)  
NE York KAWL-FM 104.9 r (oldies)  
NY Buffalo WPHD-FM 103.3 r, "classic rock"  
NY Elmira WLEZ 92.7 rm, ID with Corning  
WLVV 94.3 r, ID with Corning, "94-Rock"  
NY Gouverneur WGI 95.3 r, CHR  
NY New York WOOD 101.9 j, not mj. Not new  
music, but "modern jazz."  
NY Port Henry WHWB-FM 92.1 k  
NY Sidney WCCO-FM 100.9 rm, mono, ID with  
Bainbridge and Unadilla

NY Walton WDLA-FM 92.1 rm, mono, "Lite 92"  
NC Elizabeth City WMYK 93.7 r (CHR),  
"Power-94" (temporary/oldies  
OH Milford WJWJ 107.1 mr, "adult con-/  
PA Bedford WAFC-FM 107.5 r, CHR  
RI Block Island WBLO 99.3 rm, to have "light  
rock and solid gold hits." Not known if it will  
have Stereo. Designed to serve south Rhode  
Island from an antenna on a 61-meter tower  
already on the island, but studios to be on  
mainland at Narragansett.

SC Folly Beach WYBB 98.1 r, "B-98"  
TN Nashville WLAC-FM 105.9 r, "current hits"  
TX Abilene KACU \*89.7 mr  
TX KEYJ-FM 107.9 r, "K-J 108"  
TX Amarillo KMLT 97.9 rm, "K-Lite"  
KESE 101.9 [beautiful music]  
TX Childress KSRW 96.1 (moving from 95.3) k  
TX Commerce KETR \*88.9 rj [Zoo]  
TX Dallas KZEW 97.9 r, "classicrock," "The/  
TX Denton KNTU \*88.1 jc  
TX Eastland KVMX 96.7 kr  
TX Floydada KKAP-FM 95.3 mr, \$  
TX Fort Worth KTCU \*88.7 cj  
TX Greenville KIKT 93.5 r  
TX Lamesa KUFO 100.3 rm, "U-100"  
KLSG 104.7 r  
TX Lubbock KTXT \*88.1 sr, some c  
KOHM \*89.1 c  
KZHI 102.5 r, "Z-102"  
TX Merkel KFQX 102.7 r, "Fox 102.7"  
UT Ogden KZAN 97.9 r, CHR, 1M, 67  
VA Big Stone Gap WAXM 93.5 k  
VA Richmond WTVR-FM 88.1 b, leaving the  
market with no country FM  
VA Staunton WSGM 93.5 r, ID with Waynesboro  
Harrisonburg

WI Milwaukee WZTR 95.7 r (oldies)  
WI Seattle CHXL 103.7 rp, "album rock"  
PQ Chicoutimi CJAB 94.5 m, "EZL/MOR"

NonIDs, Not Just Slogans  
FL Green Cove Springs WPDQ 92.7, "Jackson-  
ville O-92." "Its obviously attempting to be  
years used on Jacksonville's dominant  
black AM"  
FL Ocala WMMZ 93.7 Z-93.7, instead of "Z-93"  
FL Tampa WFLZ 93.3 Z-93  
GA Augusta WBBQ-FM 104.3 Q-104  
GA Brunswick WIGI 100.7 Bulldog Country  
GA Marietta WKHX-FM 101.5 Kicks 101.5 FM  
GA Valdosta WAAC 92.9 C-93, "instead of  
FM-93"  
ID Lewiston KMOK 106.9 K-107 [WA  
ID Moscow KZFN 106.1 Z-Fun, ID with Pullman/  
IN Goshen WZOW 97.7 FM-98  
IN South Bend WHME 103.1 Harvest FM 103.1  
KY Ashland WRVC-FM 93.7 Lite Rock 93.7  
KY Bowling Green WCBZ 96.7 Z-97-FM  
KY Smiths Grove WBLG 107.1 B-107  
ME Brewer WKIT-FM 100.3 Rock-100

## November, 1988

MA Nantucket WNTX 96.3 Oldies 96  
MI East Lansing WVIC-FM 94.9 95-FM  
MN Duluth KUMD \*103.3 Duluth Public Radio  
FM 103.3 (strict). "We call this our position-  
ing statement. It distinguishes us from



Minnesota Public Radio, which has studios in  
St. Paul, and Wisconsin Public Radio, with  
studios in Madison"  
MT Missoula KMSO 102.5 Easy-102  
NY Cobleskill WACS 103.5 Wax-103.5. "Reporter  
had them as ID with Schenectady,  
... they alternate the second city," as also  
heard with Gloversville, Albany, Amsterdam.  
May still be having difficulties, as reporter  
heard them going one way on a trip, but not  
going back.

NY DeW Paw BLK 93.7 Power-94 (also "94-  
BLK")  
NY Oneonta WSRK 103.9 Beautiful-104, but  
"watch out, weatherman gave ID as 'WDOO-  
FM 104', but check at top of hour confirmed  
they are still WSRK" ["Classic Hits"]  
NY Rochester WK LX 98.9 Classic Oldies (from/  
OH Fairfield WDFX 94.9 The Fox  
OH Youngstown WBBG 93.3 Oldies-93 (not  
strict), still r

PA Allentown WAEB-FM 104.1 Laser 104.1, ID  
with Bethlehem, Easton, Phillipsburg  
TX Brenham KULF 94.1 K-94, [Stereo]  
UT Ogden KZAN 97.9 98-FM, "Rock'n Roll  
Favorites," which is "really a hybrid of AOR  
and top 40," satellite-fed.  
VA Blacksburg WVVV 104.9 Rock-105 FM  
(from V-105) [North West Rock]  
WA Bellingham KMMR 104.3 [FM-103  
WA Centralia KXNT 102.9 Country/Mountain/  
WA Ellensburg KGBE 103.1 Cube  
WA Ephrata KQDN 95.9 Easy FM  
WA Moses Lake KWIO-FM 100.3 Q-100  
WA Opportunity KXPL-FM 96.1 96-Apple FM,  
ID with Spokane

WA Richland KZKZ 102.7 Z-FM  
WA Seattle KXRX 96.5 The X  
WA Spokane KZUZ-FM 92.9 Zoo-FM  
KISC 98.1 Kiss-FM  
WA Tacoma KRPM 106.1 Country-106 (not/  
WA Yakima KXNF 107.3 K Double FM  
WV Martinsburg WKMZ 97.5 97.5 K-MZ-FM  
WV Morgantown WVWU \*91.7 U-92  
ON St. Catharines CHRE 105.7 FM-105.7  
(strict—very few "CHRE" IDs) [c  
PQ Chicoutimi CBJ-FM \*100.9 Radio-Canada, \$/  
newsletter

Multi-City IDs in Canada  
Selected only. For more see my FM Media!  
AL Decatur WDRM 102.1 with Athens Hunts-  
ville [Blairsville-Ellijay  
GA Blue Ridge WPPL 103.9 with/  
GA Chatsworth WQMT 103.3 with Dal-  
ton-Cathoun [wick-Kings Bay  
GA Waycross WBGA 102.5 with Bruns-/  
IN Evansville WYNG-FM 105.3 with Henderson  
blacks AM (KY)  
NY Rotterdam WNYJ 88.3 with Albany-Schenec-  
tady-Troy [Albany-Troy  
NY Schenectady WMMH-FM \*89.1 with/  
OH Circleville WLRO 107.1 no mention of  
Hudson in hourly ID  
OH Dayton WHIO-FM 98.1 with Springfield  
OH Johnstown WEZS 103.1 no mention of  
Columbus in ID [town-Altouna  
PA Ebensburg WYQJ 99.1 with Johns-/  
PA Lancaster WNCN 101.3 with York-Harrisburg-  
Lebanon  
PA Palmyra WCTX 92.1 with Harrisburg  
TN Elizabethton WUSJ-FM 99.3 with Johnson  
City; simulcasts with AM in Jonesboro TN  
TN McKenzie WYWN 106.9 with Jackson (no

**FCC—FM** (with Tullahoma) **KLTT Equipment Rifle to Rifle?**  
 South Fulton) **NO** Baltimore WCBM 680 back on air "after being silent all summer, resuming their oldies format of the spring," and helping to cause an oldies war among such stations as WQSR 105.7, WYST AL 101.0 and WTH 1230.  
 TN Shelbyville WYCC 102.9 no ID/  
 VA Roanoke WPRV 94.9 with L.L. Huberg  
 VA Huntington WKEE-FM 100.5 with Ashland (KY)-Ironton (OH)  
 WY-FM 103.3 with Ashland (KY)-Ironton (OH); ID with WTR AM Kenova (WV)  
 WV Milton WAEZ 106.3 with Huntington-Ashland (KY) [Charleston-Huntington]  
 WV St. Albans WKLC-FM 105.1 with/

**On Air (Selected)**  
 KY McDaniels WBFI \*91.5 on 6 a.m. to 10 p.m.  
 MD Mechanicsville WQMR 98.3—Stereo?  
 NY Sidney W237AN 95.3  
 ON Peterborough CFFF 96.3 "is on air and has been for so he years now. They do not sign on, though, until 7 p.m. and run till 11. They also do not operate during the summer, although the transmitter stays on air at reduced power. One can tell this only if they are close to the city."  
**Off Air or Not Yet On**

CO Pagosa Springs KRQS 106.3, along with KPAG AM.  
 IL Chicago WCYC \*88.7  
 IN Auburn WIFF-FM 102.3, still on 105.5  
 NM Grants KLLT 103.7 (moving from 95.3); owner recently bought AM-FM stations in Rifle CO. "Word is he moved KLLT's studio equipment to Rifle. Meanwhile, unnamed party called FCC to inquire (after KLLT had been off air about 45 days) about applying for KLLT license since it had gone dark. Party was told by FCC that the Commission had no knowledge that KLLT had gone dark!"  
 NY Big Flats WNBK 97.7  
 NY Boonville WBRV-FM 101.5  
 NY Brockport WBSU \*89.1 (still on 88.9)  
 NY Corning WGBA-FM 98.7  
 NY Oswego W9ZY 96.7  
 NY Webster WFRW \*90.7  
 OH Caldwell WNOV 104.9  
 PA Ridgebury WMKB 96.9  
 WA Everett KSER \*90.7.  
 WV Ravenswood WRZZ 102.3  
 NB Newcastle CBAA \*101.9

**Deletions**  
 CO Colorado Springs K208B \*89.5 (see "New," above)  
 BC Victoria 107.3. Frequency mentioned by the CBC as available, as an alternative to \*92.1 (see "New," above)

**FMistakes, FM Atlas-11**  
 ON Kingston CBCK \*107.5 list as tm, p. 125  
 ON Toronto CJBC-FM: \*90.3 French language indicator missing p. 125; station still off air, causing one reporter to wonder if it ever will be constructed  
 PE Charlottetown CBCT-FM 96.9 remove from p. 152 FM Atlas-11 (is on \*96.1)

**AM Happenings Most Lively Caused by FM** (selected only; for more subscribe to my FM Media newsletter. See last month's column for subscribing information)  
 CA Los Angeles KFI 840.m "After tinkering with various a-c and news-talk combinations, with varying successes, has opted for all news-talk, citing competition from the many a-c FMs in the area"  
 CO Durango KDGO AM "has been dark since the first of the year. Word is that the owners of KRTZ-FM1 Cortez are negotiating to acquire that AM and return it to the air"  
 FL Orlando WHOO AM now simulcasts "Q-96," "WHTQ, 24 hours. "Only time AM is ever mentioned is in the legal ID at the top of the hour"  
 KY Covington (Cincinnati) OH WCVG AM1 drops country in favor of all-Elvis Presley

**November, 1988**  
 AR Van Buren \*89.7 WYFG  
 AR Texarkana ("Rondo") \*90.7 KEAR 106.9  
 San Francisco CA; many Family Station translators evade mention of actual city of translator service or site by listing applications under obscure places, probably so as not to alert affected parties as to the real locations of such translators. I will endeavor to publish a complete list of the real—not fictional—places where such translators will be established. One such translator application, not via satellite, is for \*89.5 Fort Dodge IA, but mentioning only the small towns of Badger, Manson and Callender IA. It would relay KDFR \*91.3 Des Moines. Another theory about Family translators is that the towns mentioned in their applications are where listeners/supporters live, not necessarily where they will serve  
 For more of these consult "FMedial"  
**Petitions For Rulemakings Filed** (selected; more are in FMedial)  
 AL Atlanta 95.5A, Steven L. Gradick  
 NJ Hudson 92.9A, by Randall Bhird, 14114 Bainbridge, Livonia NJ 48154

**FM Rulemakings Proposed**  
 Selected—for more see FMedial Stations affected, if any, are listed before the dates  
 CA Essex 98.9B, Howard B. Anderson, with his main objective to provide service to the large mobile population traveling daily along I-40 between Barstow CA and Flagstaff AZ, saying some 7000 vehicles pass daily through the Essex Road interchange, and he cites *Yermo and Mountain Pass, California*, 44 FR 4486 (1979) for legal precedent. FCC, however, says "the petitioner's primary obligation is to serve the needs and interests of the community to which he is licensed," Oct. 28, Nov. 14 [24, Nov. 8]  
 CO Iualia 94.1A, Virginia K. Outburn, Oct.  
 GA Helen 105.1A, Helen Broadcasters, site to be 1.5 km E. to avoid short-spacing to WQSB ~105.1C Albertville AL, Oct. 24, Nov. 8  
 GA Pearson 101.9A, Albert E. Harper, site to be 2 1/2 km W. to avoid short spacing to WZAT 102.1C Savannah, Oct. 24, Nov. 8  
 GA Ringgold 93.7A, James E. Price, site to be 6.3 km W. to avoid short spacing to WLVJ-FM 93.5A Ellijay GA, Oct. 24, Nov. 8  
 MI Rogers City 96.7C2 for 97.7A, WMLC, now receiving interference from a Canadair Class B facility (most likely CBCE \*97.5 Little Current ON), Oct. 28, Nov. 14

**FM Rulemakings Finalized**  
 Selected only—Dates are when FCC filing windows are open  
 AL Chickasaw 98.3C2 for A, WDLT, site to be 27.3 km NW to avoid a short spacing to WKYD-FM 98.1 Andalusia AL "We had to change the frequency of WYKK Quitman MS from 98.3 to 98.9. Truth is, we probably won't build at the site we allotted..."  
 AL Geneva 93.7C2 for 93.5A, WJRM. Dismissed competing proposals to add 93.7A to Frontport or Southport FL  
 KS El Dorado 99.1C2 for 99.3A, KBUZ  
 KS Hutchinson 97.1A, KWKK, Oct. 17-Nov. 16  
 KS Kingman 100.3C2 for 99.3A, KBLV, site to be 8.8 km SW to avoid a site conflict with KDVV 100.3C Topeka KS. FCC notes 106.9C2 could also be given to Kingman, but will not do so unless there is a showing of interest in the channel  
 MS Quitman 98.9A for 98.3A, WYKK, with Chickasaw AL  
 NY Malone 96.5A, North Country Broadcast Co., with Canadian government agreeing to a short-spacing of 6 km to CKO1 96.9C1 Verduin PD and 24 km to unused and unapplied-for 96.5C1 at Trois Rivières PQ, Oct. 18-Nov. 17. Denied Timothy Martz request to assign the channel to Owls Head

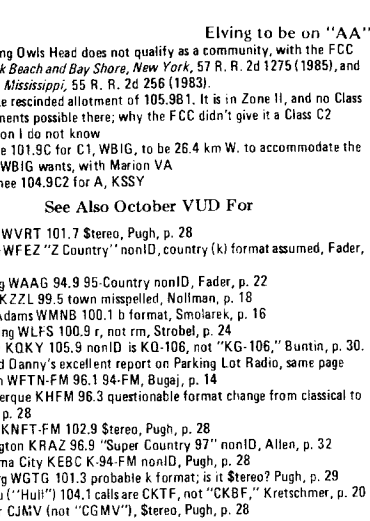
**Satellite or Microwave Translator Abuse Applications Filed by Noncommercial Licensees (selected)**  
 AR Jonesboro \*90.5 WYFG 91.1 Gaffney SC AR Pine Bluff \*89.9 WYFG  
 AR Springdale \*89.7 WYFG

**November, 1988**  
 Dec. 4  
 W.R. McIntosh sent an SCA bandscan, using his Capri CD-01 and a small radio modified for 67 kHz SCS. "I don't know how much interest there is in the WFTDA these days on SCS signals. With your column hardly mentioning them any more, have no way to know. Sometimes when tropo conditions are good I can get San Diego and Mexican stations with SCS signals better than I can downtown Los Angeles weak paging signals." There is still interest in SCS, Mc, and just because I cut down the size of my VUD column and favor putting some of that stuff in FMedial you are still welcome to report SCS activity. You will also see in some of the DX reporting columns that SCA activity is being heard by certain DXers. Apparently the notorious ECPAct has not stopped extra-legal SCA listening, nor is being reported by DXers.  
 Larry Fuss checks in from a trip: "I was very 'underwhelmed' by the quality of radio in Odessa-Midland. You would think a market that size would have at least one good station, but I failed to find it. The closest thing to being good was KNFM (they have a beautiful building right next to the airport)." He sent an article from "Electronic Media" on the alleged abuse to local radio caused by out-of-town FM translators. Jim Fox, KPKY FM Pocatello ID, an NABoard member, said "There is evidence of translator abuse in my market," with Salt Lake City stations putting a dent in his ratings in Pocatello.  
 HCJB's John E. Beck writes from Ecuador with a copy of a review they broadcast on shortwave (and local FM?) of the "FM Atlas" on the DX Partyline program. "Keep up the good work!" He told his audience, "One time when working at a 100-kw FM stereo station in the United States, I heard from a listener who was outside of our service area! By about 1450 km. Now on SW those distances might not be exciting, but at 90 mHz—well, the listener had my interest. Whether you're DXing on the VHF broadcast band or simply driving around North America, Bruce Elving's FM Atlas might be just the reference book you've been looking for. . . I know I plan to have it along with my road maps when I travel back to North America, Lord willing, in a year or two."  
 December 4 is the day when an interview I did with audio editor John Sunier will be broadcast on his nationally-syndicated show, "Audiophile Audition." It is heard on about 300 FM stations, most of them public, with feed time 1400 Eastern Time, although some stations delay it. WFUV \*90.7 New York, for example, has it at 7 p.m. Wednesday, and WBLZ \*91.5 Chicago at 11 p.m. Sunday. It's on WAJZ \*104.5 Indianapolis at 9:30 p.m. Monday and WICR \*88.7 Indianapolis at 11:30 a.m. Saturday. WJCT-FM \*89.9 Jacksonville has it live and at 11 p.m. Monday. It is live on KVCR \*91.9 San Bernardino and at 10 p.m. Friday on KXLU \*88.9 Los Angeles. WRR-FM 101.1 Dallas has it at 7 p.m. Sat., while I hear it at 9 p.m. Sunday on WBWA 105.9 Washburn WI. You can write for the stations' schedule from John Sunier, 21 Stetson Ave., Kentfield CA 94904, and include an SASE. If you want his information sheets on audiophile publications and recordings send one dollar cash or five mint 22 or 25-cents stamps.  
 Ralph Strobel reports NEVER hearing a station ID for "G-107." WBLG 107.1 Smiths Grove KY, not even a clue to its location, and no local commercials. "Whatever it is should be outlawed!" Local WKLC-FM 100.9 Cloveret has installed a satellite automation system, Satellite Radio Network, but still carries Paul Harvey from ABC. The engineer is working on cueing in local station breaks, but I have heard it go with no hourly ID. I have called them about this.  
 Michael Reid: "The June VUD column suggested CKO (Toronto) unhappy with the non-switch (with CKLY AM). Peter Jackman (pres. CKO, Inc.) said 'We may be better off in the long run being on the FM band', since FM audiences are better to grow. Why do you say CJBR-FM (101.5 Rimouski PQ) is commercial? The station is owned and operated by the CBC and is with the French \$ network. CBC \$ stations are found in any part of the band and not all CBC stations have CB-calls." I still call it commercial, since apparently the CBC is only leasing program time on it. "Broadcasting Yearbook" lists CJBR AM as owned by CJBR Radio Ltee, and "group owner CBC," which I think is an affiliation contract, not ownership, since CJBR Radio Ltee must be the real owner. CJBR-FM is listed as an affiliate of CBC Stereo. Programming separate from AM.  
 Toronto's Skydome will have an FM T.I.S. for traffic info and game coverage for the visually impaired. Transmitter on CN Tower with approximately 3 km range. Calls CHLP with slogan 'Help'. Frequency unknown, due June '89. Newfoundland is UTC-1 1/2, Labrador UTC-2 until late October as an experiment. This may become their permanent daylight Savings Time situation. . . . CHTZ 97.7 St. Catharines has been engaged in a rimshotting campaign in Toronto (not so much lately). [According to a clipping enclosed about new-age music and what category it

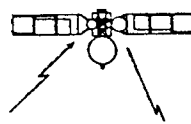
**Elving to be on "AA"**  
 NY, saying Ows Head does not qualify as a community, with the FCC citing *Oak Beach and Bay Shore, New York*, 57 F.R. 2d 1275 (1985), and *Village, Mississippi*, 55 F.R. 2d 256 (1983).  
 NY Star Lake rescinded allotment of 105.9B1. It is in Zone II, and no Class B assignments possible there; why the FCC didn't give it a Class C2 designation I do not know  
 NC Reidsville 101.9C for C1, WBIG, to be 26.4 km W. to accommodate the site that WBIG wants, with Marion VA  
 WA Wenatchee 104.9C2 for A, KSSY

**See Also October VUD For**  
 AL Reform WVRT 101.7 Stereo, Pugh, p. 28  
 FL Williston WFEZ "Z Country" nonID, country (k) format assumed, Fader, p. 22  
 IL Galesburg WAAG 94.9 95 Country nonID, Fader, p. 22  
 IA Le Mars KZZL 99.5 town misspelled, Nollman, p. 18  
 MA North Adams WMMB 100.1 b format, Smolarek, p. 16  
 MI Pinconning WLFS 100.9 r, not rm, Strobel, p. 24  
 NE Kearney KQKY 105.9 nonID is KQ-106, not "KG-106," Buntin, p. 30.  
 Also read Danny's excellent report on Parking Lot Radio, same page  
 NH Franklin WFTN-FM 96.1 94-FM, Bugaj, p. 14  
 NM Albuquerque KHFM 98.3 questionable format change from classical to b, Pugh, p. 28  
 NM Bayard KNFT-FM 102.9 Stereo, Pugh, p. 28  
 NM Farmington KRAZ 96.9 "Super Country 97" nonID, Allen, p. 32  
 OK Oklahoma City KEBC K-94-FM nonID, Pugh, p. 28  
 TN Wartburg WGTG 101.3 probable k format; is it Stereo? Pugh, p. 29  
 PQ Gatineau ("Hull") 104.1 calls are CKTF, not "CKBF," Kretschmer, p. 20  
 PQ Val d'Or CJMV (not "CGMV"), Stereo, Pugh, p. 28

**Readers' Reports**  
 Larry Miller, editor of "Monitoring Times," says he will be doing an AM-FM column for one of the DX clubs (I forgot which one). About my FM mistakes, "Don't feel bad. Sure there are a few FM mistakes. Ours are much worse. The readers call them Monitoring Crimes!"  
 Here's a picture of WNCB \*89.1 manager Jeff Stromquist hanging from the top of one of the legs of a self-supporting 91-meter tower, replacing one that is only 24 meters on Duluth's



antenna farm. When the tower is in operation, station is expected to go Stereo, gr. About another Christian station, Ron Wing sent an article on KCEV \*88.3 Wichita being on and carrying much of the programming of the Bible Broadcasting Network, WYFG \*91.1 Gaffney SC. Although the article does not say, KCEV is in stereo. Programming is 50% music, 50% preaching. Appropriately enough, the station studios are on south Broadway, next to Broadway Mortuary. Ron's also heard KGCC 107.7 Goodland KS when he was in the Scott City area, also confirmed gospel. It, too, is said to be Stereo.  
 The Association of Radio Reading Services is planning its annual convention in Rochester NY May 19-21, 1989. I am planning to go, and if any DXers who live along the way (between Duluth MN and western NY) would like to have me visit, just let me know. My telephone number is (218) 879-7676.



# SATELLITE NEWS

GEORGE W. JENSEN  
4604 Annapolis Avenue  
Baltimore, MD 21206-4220

November, 1988

**FCC-FM Die?** AM Allowed to Die? where the FM signal is likely to degrade. Broadcasters which are no longer prepared to programme an AM station to the market's satisfaction should close down. The effect of turning off all those stations would leave an AM band with a lot less interference, thereby helping the others. Sorry DXers! Someone does think like you, Bruce! hi!

Alan Pepin sent a list of stations he heard on his trip from PQ to the convention in GA, and if he makes available a tape based on this trip, I'll mention how you can order same. His tapes always come very well-edited, with probably a couple hundred stations recorded.

DXer Al Ellis sent word on his ham activities, and reminisces about the days when Ferdie Dombrowski, Jr., ran the club from Milwaukee. "Will not renew my subscription next spring as my sight is becoming worse. By then I will be 85 and still happily chasing DX as if I still had my marbles."

A subscriber sent word of a pirate station he is operating, "KDNR," 91.5 in stereo, using a Panaxis transmitter along the shores of Lake Tahoe. I think it's mainly on weekends, so use this as an excuse to visit that lake and try to tune it in! His ten watts carries him very well along the lake shore and into the cities' homes, which are mainly up the hillsides.

Neil Zank sent an article on the transfer of KUCV \*90.9 Lincoln to the NE Fed. Telecommunications Commission. Station will be a flagship for a state network, much as KUON TV is, said Jack McBride, NETC general manager. Studies are going forth to determine costs of such a network, with a proposal expected to be sent to the legislature this fall. The donation of KUCV by Union College to the Commission is seen as an important advantage. "This very generous contribution of equipment and transfer of the station to the commission is going to move forward the development of a Nebraska public radio network in a far faster manner than it would have otherwise," McBride added. In the last 20 years Union College had invested \$650,000 in the station and another \$100,000 in in-kind services. At a time of declining enrollment and escalating costs, it probably made sense to dump the station, and let the state take it over.

Gus Mancuso sent articles on small-city radio stations around Washington DC trying to compete. WMJS 92.7 Prince Frederick is owned by Melvin Gollub, who says: "We carry the local news, local advertising notices and notices for lost dogs. Nobody in the big-station market would do that, and that is the advantage we have over them." Gus asked that I print this picture, and he said: "Can you ID this western DXer?" I am not sure he is so much a

Mike sent an article that the CRTC's ruling that CKFM 99.9 Toronto (now rock format) must abstain from carrying commercials for three days could be a gold mine. Sentence was imposed on the station for not carrying enough Canadian content, but the station can use the commercial-free period any time it wishes, such as during a ratings period, to gain audiences.

Another Canadian by the name of Reid, Andy W. Reid, a member of the Ontario DX Association, is welcomed to this column: "Although I have never written to your column in VUD before, I read it with great interest. I feel I should put my two cents in about that wonderful topic of AM and your change to metric in the Atlas. ... Regarding the FM Atlas, have you considered going to a larger format? This would sure make the maps easier to read and possibly easier for you to design. Believe it or not I am in favour of the change to metric in FMA. Where would the world be without change-diosing of the old and archaic methods in place of the new and better? For all those members against metric, have they tried to learn it? It really is much simpler to learn than imperial." [I have invented some map "keys" to be introduced in the next FM Atlas. They are small maps in circles showing clearly where insets are, and will appear initially on the maps of ME, IL, TX, AK and PQ. CA would qualify, but that state may have to be re-mapped by the time of the next edition. If I changed page size formats, I would like to do it with metric units, and welcome Canadian readers to send in examples of standard metric unit sheets. We go by 8 1/2 by 11", or as in the case of the FM Atlas, 5 1/2 by 8 1/2 inches. I have tried to measure Canadian stationery, and see no even centimeters' measurements used in the dimensions. I would be willing to have my product printed in Canada, if the printer there buys paper stock in metric units, not just cutting down paper purchased by the inches and foot.]

Andy goes on: "AM radio, too, is an old-fashioned medium. I think it should be allowed to die, otherwise we are just keeping a terminally ill patient alive. AM radio is no longer wanted by the consumer, just like, say, ice boxes. How many people out there today own one? Something better was found to replace them. Let's face it, something better has replaced AM radio. AM could have competed with FM if it had been given a good start. The technology is here. Manufacturers of receivers have never designed a serious AM unit and they are not about to either--there's too much risk. Look at the fiasco with AM stereo--a good idea in itself but it was handled so badly by the FCC. Subsequently, after several AMS receivers were developed--which few knew even existed, the idea lies dormant. Broadcasters too, especially in the Americas, must be blamed. They did very little if anything to promote AM stereo, and hence no consumer demand. Today, most AM stereo broadcasters offer a pretty poor programme format schedule to entice the listener. No wonder they are leaving. Many AM broadcasters have been known to use poor methods of transmission and modulation, offending even more listeners. Yes, there are just as many FM broadcasters with bad transmitter standards, but FM is much more forgiving.

"So what can AM do to hold its own? I believe AM can have a useful future. Legislation should be set up to force off the air AM stations which solely simulcast their FM counterpart, unless the AM station has a wider coverage area than the FM station. This would be of use to people who may wish to listen to the city while at the cottage or for the commuter travelling around town



DXer as a ham, and I am not sure the color photo will reproduce, but I'll give it a try.

Paul Gaines sent a report about CKMR 93.9 using a "mystery man" who drove around in a limo giving out \$50 bills. This created crowds, and the person was later identified as famous local DJ Deano Day, now with "More-94." Promotion presumably was in Detroit, not in CKMR's city of licence, Windsor ON.

Jeff Kruszka sent an FM bandscan from his Richland WA location, and the most startling thing from that is that 93.3 Wala Wala WA has secretly changed its calls from KEX1 to KTEL-FM "Hope it's of some use for your FCC-FM News in the VUD."

73ily, bruce elvine

There are any number of changes taking place lately.

Arts and Entertainment will fully scramble in May, 1989 using the VCI1 system. Generally almost all of the various sports channels will be scrambling in the near future as well. (Home Team Sports) (Prime-Ticket), etc.

I've had a chance to find The Pan Am Sat. K signals - no video are observed - no C-band signals are apparent. This is not so unusual since the C-Band is highly directional.

G-Star 3 and SBS 5 are now in orbit with one of them putting a K-Band signal (no video) between Spacenet 1 and ASC 1.

TNT is on and using XPDR 18 on Satcom 3. American Movie Classics is also now on Satcom 3 XPDR 12 and Bravo on XPDR 4. Request TV now using XPDR 24 on Satcom 3. Sports Channel America will be using Satcom 4 XPDR 4 and 10. Supposedly NBC's C-Band feed on Satcom1 XPDR 8 will be encrypted using the Leitch system. I haven't noticed this lately.

Zap Movies Pay-Per-View on Spacenet 2 XPDR 23 is testing a somewhat unusual scrambling system. Take a look.

International feeds are found at various times on Westar 4 and 5 along with Satcom 1 and 2.

Intelsat on 27 W has a continuous feed from TVE Spain on transponder 1 varying between PAL and NTSC system. A new channel from Venezuela???? in noticed on XPDR 9 I.D.ing as TELEVEN Canal 10. I see no listing of any channel of this sort in Venezuela.

- The latest schedule for ArianeSpace is as follows:  
 October 7 (8) TDF 1  
 November - Astra 1 and Skynet 4B  
 December - Intelsat V F15  
 January - JC Sat, MOP 1  
 February - Tele-X  
 March - Superbird A & DFS 1  
 April - Olympus  
 May/June - TV Sat 2 - Hipparcos- Eurosatellite  
 September - Intelsat VI F1  
 October - Superbird B & Immarsat 2 F1  
 November 89 - TDF 2 & DFS 2  
 That's all for now - see you in 30 '73's

**TNT** WATCH OUT FOR IT!

**TNN**

The Disney Channel America's Family Network

**THE MOVIE CHANNEL**



# SOUTHERN FM-DX

Danny Buntin, editor  
1312 N. Skyline  
Stillwater, OK 74075

NOVEMBER 1988  
For FM DX reporters from: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT, VA & WV. Also DC.

DEADLINE: 10th

## SOME TROP HIGHLIGHTS A SLOW SEPTEMBER

Bill Townshend, 4500 Conn. Ave. NW #901, Washington, DC 20008 202-966-8046  
9/12 tr  
1506 WRFY 102.5 PA Rea ing, r  
1540 WLAN 96.9 PA Lancaster  
Some unusual mid-afternoon trop. Excellent signal on WRFY. Receiver used was Realistic Portavision-55.

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74075  
Eqipt. used: Onkyo T9090, CM Stereo Probe 9 up 34" (995' ASL) and rotor, RG-6 cable  
9/25 tr  
1200 KEKL 106.7 NE Norfolk, ID, r 410  
1205 KGOR 99.9 NE Omaha 325  
1208 KZKX 96.9 NE Seward-Lincoln, "96 Kicks", ad, ID 330  
1210 KESY 104.5 NE Omaha  
1215 KLYP 100.3 IA Des Moines, nx 425  
9/25 tr  
1235 KTGL 92.9 NE Beatrice 280  
1300 KIWR 89.7 IA Council Bluffs  
2009 KRNQ 102.5 IA Des Moines, r, Q102 410  
9/26 tr (while in car FM at work)  
0618 KUHF 88.7 TX Houston 460  
2/26 gh  
1200 KCEV 88.3 KS Wichita, g, ID 115

Nice to see the broken drought here(8' of rain during sept.)and cooling temperatures bring a little more trop, though wished I had more time to enjoy what all must have developed. The Probe 9 didn't manage to escape from one of the rain storms unscathed. With a loud crackling noise and deafening thunder, lightning knocked out power in my portion of the neighborhood. Quickly following that was pounding hard rain and high winds blowing over 60 mph. Fortunately, the antenna was untouched by the lightning but not the fierce wind. One of the Probe 9's double driven elements was bent until it touched the neighboring one. Hopefully, it can be bent back sometime. Recently, the Probe 9 had survived a 67 mph storm blast. High winds during thunderstorms is one of the most frequent weather hazards here. Fortunately, big hail and tornadoes are far rarer. Total stations logged after nearly 15 years is almost on 1800. Broken down into smaller numbers:

Top 5 states:	Top 5 Es states:	Top 10 rarest states:
TX 155	FL 139	1. NH 1
FL 143	CA 80	6. DE 7
OK 110	NC 70	2. RI, VT 2
KS 83	PA 65	7. MA 8
CA & MO 80	GA & NY 63	3. ME 3
		8. NM, WV 9
		4. ND, OR 5
		9. WA 10
		5. SD, CT 6
		10. IN 12

Best year quantity wise: 1975 with 274 logged. Best quality wise: 1980 with 253. Worst year 1979: with only 9. (An usually poor dx year for the Southwest plus wasn't around to dx most summer mornings after a change in jobs.) Goal for 1990 by year end: 2000. That will take two moderately good seasons for such an ambitious undertaking. 73

Gus Mancuso, 5615 Inwood St., Hyatts, MD 20785

Re: Trop vs. trop scatter (pg. 32, Oct. VUD) I was under the impression trop fading in and out was a form of multi-path. Though signals reaching listener one direction and one bending around cloud, fog, etc. When two signals arrive half a sine wave different from each other they cancel out. Around here, signals usually stay steady when under 200 mi. Over that fading is usually the rule especially at night. (He was talking DX while you're referring to normal, regular reception. DB)

With regard to my previous comment that E-skip is a "horse of a different color". Let me elaborate. It's more than a horse. It's analogous to taking out a girl and getting further than you should have because she's drunk. And picking up a station because a same freq. local is off, is like prostitution. Getting a station adjacent to an off air local borders on rape. To do something as low as to call a fake bomb threat to get a station off is equivalent of the most heinous of acts. By contrast using morning enhancement as we rely on is the DC area is as innocent as using an expensive cologne. (Only someone cooped up in a major urban area for many years, shielded from much DX, especially Es could come up with such a sick viewpoint. Whether joking or not, for treatment move to the southern High Plains of east NM & west TX, the finest region in the country for enjoyable FM-TV DXing. A DX magic kingdom it is with few interfering locals and abundant, sometimes day long skip when in season, and trop possible to the Gulf coast. So forget Onkyo's and Carver's. K-Mart stuff and what have you can work wonders out there. Just avoid the metro areas. Adious.

####

# NORTHERN FM-DX

GREG CONIGLIO  
5100 GLENWOOD DRIVE  
WILLIAMSVILLE, NEW YORK 14221

FOR DXers IN: Canada, ME, NH, VT, MA, RI, CT, NY, NJ, PA, OH, MI, IN, IL, WI, IA, MN, ND, SD, NE, MT, WY, ID, WA, OR, AK, and HI

NOVEMBER 1988

DEADLINE: THE 5TH

September was an excellent month for tropes. See comments by Norman, Zent, Smolarek, and me. Northern DXers: let's see some DX and/or bandscans! Bill Kretschmer has a bandscan for this month; check it out!

DAVE NIEMAN - AKRON, NEW YORK 14001-9529

EQUIPMENT: Carver TX-11 FM Tuner - Channel Master 4408 at 25' A/B turned by a CDF rotor - lead-in RG-11 75 ohm.

SEPTEMBER 1988

3 GW  
1400 CFMFX? 96.3 ON Mississauga, cS, //103.1 73  
4 MS  
1622 KMZU 101.1 MO Carrollton, S. calls 821  
5 TrS  
1005 WIFYC 104.9 MI Alma-St. Louis, mr(?), ID 315  
8 Tr  
0810 WVIK 90.1 IL Rock Island, NPRS, calls 627  
0819 KUMR 88.5 MO Rolla, NPRS, ID 778  
0929 WDLM 89.3 IL East Moline, gS, ID 618  
10 Tr  
0758 WVNC 96.7 NY Canton, mrS, ID 193

SEPTEMBER 1988

3b GW  
1057 95.7 ON Barrie, \$.open carrier 113  
18 MS  
1130 WDNOC 89.1 IL Naperville, calls (sung) 504  
22 Tr  
0155 WGVU 88.5 MI Grand Rapids, mS, ID 367  
0200 WMBT 90.7 IL Chicago, gS, ID 477  
1148 WSNV 94.7 OH Columbus, cS, calls "sunny-99" 315  
1255 WSGS 101.1 KY Hazard, kS, calls (mention calls from distant listeners) 467  
1359 WBUK 88.9 KY Richmond, cS, ID w/WEKH 90.9 475

Weather systems are moving just right for tropes now. Area of high pressure over head followed by a broad area of rain; with the tropes just ahead of the rain. Dave

BOB ZENT - 1835 FRUIT STREET - HUNTINGDON, INDIANA 46750

EQUIPMENT: Heathkit AR-1515, Channel Master Probe 9 at 40 ft.

SEPTEMBER 1988

18 Tr  
2242 WKMO 106.3 KY Hodgenville, local ads 235  
2305 WMPI 100.9 IN Scottsburg, local weather 150  
19 Tr  
0207 WMIK 96.3 TN Murfreesboro, call letters (calls are WRMX-gc) 350  
0050 WZYP 104.3 AL Athens, calls 440  
0055 WIMZ 103.5 TN Knoxville, ID 355  
0107 WBGW 80.9 FL Tallahassee, call letters (nice catch!-gc) 735  
0147 WAAW 103.7 KY Murray, local promo 345  
0210 WEFT 90.1 IL Champaign, call letters 160  
0229 WNRD 89.3 KY Hopkinsville, ID 310  
0247 WIVK 107.7 TN Knoxville, call letters 355  
0254 WUOT 91.9 TN Knoxville, ID 355  
22 Tr  
0200 WMEV 93.9 VA Merion, ID 350  
0201 WSPA 98.9 SC Spartanburg, ID 460  
26 Tr  
0044 WGIH 105.5 VA Richlands, call letters-local PSA 330  
0230 WRSA 90.9 AL Decatur, call letters 445

Some really nice tropes this month. My logging of WBGW comes very close, (within 3 miles) to matching my all-time distance record for tropes DX. Hope this continues for a while.

73s, Bob

STATION NEWS: WFRW 88.1 Webster, NY is now on air. They are a stereo religious station on the Family Radio Network. 95.7 in Oneonta NY has changed from WEPF and easy listening to satellite fed lite rock w/new calls WDLN. Also, 95.9 Buffalo has changed to WGR-FM and album rock. They now non-ID as "97 ROCK". They used to have that format until 1/04/85, when they changed to lite rock.



JOSEPH FELA - 150 ROBERT PLACE - SO. PLAINFIELD, N.J. - 07080

Equipment - McIntosh MR-78 tuner, a pair of CM Stereo Probe 9s, stacked, with rotor at 40 ft.

Time: ELT

SEPTEMBER 1988	
12 Tr	27 Super Tr!
0123 CFCA 105.3 ON Kitchener, ID, k	0153 [WQMX] 94.9 OH Medina, "MIX 95", r, ex-WDBN
0130 WHWK 98.1 NY Binghamton, ID, k	0209 WDJQT 92.5 OH Alliance, r,
0137 CKGL 96.7 ON Kitchener, wx, ID, k	Jingle taped but not very clear
0200 CKNXt 101.7 ON Wingham (SEE NOTE #1)	0212 WMJI 105.7 OH Cleveland, "MAJIC", r
1119 WRPQ 105.3 NY Hornell, "KPQ", r	0224 WOMP 100.5 OH Bellaire, "Womp-FM"
1128 WKLX 98.9 NY Rochester, call, "Classic Rock"	0243 WOFX 94.9 OH Fairfield-Cincinnati
1143 [WZSH] 95.1 NY So. Bristol, "WISH 95 FM"	"The Fox", classic rock, legal ID @ 0300
b, legal ID buried in wx forecast, ex-WMIV	0301 WNNV 107.3 OH Elyria, ID, "The Wave"
1305 CKQT 94.9 ON Oshawa, wx, jingle, b,	0310 CJOH 88.7 ON Windsor, ID, r
no reference to CKAR (AM) - programs separately during the daytime hours?	0322 WFRB 105.3 MD Frostburg, k, promo
15 Tr	0329 WCRF 103.3 OH Cleveland, g, ID
0130 Norfolk and Boston strong plus WEZF-92.9 VT and WHOM-94.9 NH	0343 WKMM 96.7 WV Kingwood, k, ID
23 Tr	0431 WPHD 103.3 NY Buffalo, r, ID
With WFDU-89.1 off -	0437 WMUB 88.5 OH Oxford-Dayton, ID, big band-jazz pgm hosted by Mama Jazz
0245 WFMN 89.1 PA Lancaster, r, ID	0441 WWSN 107.7 OH Dayton, "WSN"
0300 WSFXt 89.1 PA Nanticoke (SEE NOTE #2)	0501 WTOE 104.7 OH Dayton, r, legal ID
	0542 WAZU 102.9 OH Springfield, ID, r
	0600 WGRG 91.3 PA Lewisburg, wx, ID

NOTE #1 Tentative CKNX: Programming consisted of rock music, apparently a network or satellite feed. At 0200, without an ID, they went into "Broadcast News". The first 5 or so items were Canadian. There were also dead air periods, perhaps for the local station to insert spots and promos, but there were none. A very noticeable hum was also in the audio. CKNX?

NOTE #2 WSFX tentative. The station heard was in // to WRGN-88.1 Sweet Valley, PA. The only ID was the WRGN legal ID which also refers to their 100.1 translator but no mention of anything on 89.1. Can anyone in NE PA confirm this was/is WSFX?

WANTED: I need some Canadian stamps (for return postage). Is any Canadian member interested in trading some stamps for U.S. stamps or just selling some?

73, Joe

MORRIS SØRENSEN - GENERAL DELIVERY - FORT CARLING, ONTARIO F0B 1G0

EQUIPMENT: Sony ICF 2010 (before Sept. 10), Sharp FM610 (on/after Sept. 10). Antenna: White or Archer Color Supreme V (indoor)

AUGUST 23, 1988 Traces

2037 CBCN 96.1 ON North Bay, CBC  
2050 CJMX 105.3 ON Sudbury, ad cont. mx update @ 2100

SEPTEMBER 1988

1 Tr	
2214 WJYE 96.1 NY Buffalo, WJYE FM 96 (not usual "Joy-FM")	
2215 WEFB 95.7 NY Oneonta, easy listening	
2219 WHTT 104.1 NY Buffalo, ID, Coors Light ad	
2220 CJBCS 106.5 ON Peterborough, CBC French	
2222 WBFQ 88.7 NY Buffalo, WBFQ Weather Scan	
12 Tr	
0058 CHIN 100.7 ON Toronto, ethnic mx (no CFBG splatters)	
0910 WKSE 90.5 NY Niagara Falls, rock, ID went SW Ont.	
2129 WPHN 90.5 MI Gaylord, "Northern Christian Radio"	
13 Tr	
1953 WRFM 104.7 NY Fulton, rock, "104.7 Rocks FM"	
2059 WOLN 91.3 PA Erie, promo for WOLN-FM	
2157 WXXI 91.5 NY Rochester, clas. mx from WFMT Fine Arts Network	
2201 WCKC 103.7 PA Erie, "K-104"	
2213 WBEE 93.5 NY Rochester, country mx "WBEE 92 FM"	
15 Tr	
2227 WRMM 101.3 NY Rochester, "Warm 101"	
17 Tr	
0007 WRVO 89.9 NY Oswego, "WRVO FM 90"	
27 Tr	
1902 CIGL 97.1 ON Belleville, "Broadcast mx", local ads & mx	

YFM/AM/FM  
AM 600 93.3 FM  
P.O. Box 2047  
Fort Collins, Colorado 80522

73,  
Morris Sørensen

BOB SHOLAREK - 136 OLIVARIA RD - WHITEHOUSE STATION, N. JERSEY - 08889-9301

EQUIPMENT: McIntosh MR-78 CM Stereo Probe 9

AUGUST 1988

0100 WQXR 100.1 NY South Orange, NJ	
0270 WNYZ 90.7 NY Utica, NY (WNYZ off)	
0331 WNEB 98.7 MA Northford, MA	
0334 WRZO 98.7 VA Washington, VA	
0332 WATA 107.7 VA Washington, VA	
14 Tr	
1801 WSP 95.1 PA Shamokin, PA	
22 Tr	
2250 WAGE 104.5 NY Coatesville, PA (WAX 100)	

Tulsa's Stereo Country

**K95FM**

1502 South Boulder, Tulsa, Oklahoma 74119

SEPTEMBER 1988

9 Tr	
1957 WNEC 100.5 WV Huntington, WV (KEY FM)	
2007 WLF 107.3 WI Milwaukee, WI	
	CHARLOTTE'S NEW LIFE FM
22 Tr	
1720 WJW 89.1 NY New York, NY (WJW 100.5)	
1720 WBYB 120.5 NY Lake Success, NY (WJW 97.1)	
27 Tr	
0255 WDFX 94.9 ON Parryville, ON (THE WAVE)	
	100% Detachable
0258 WGM 94.0 OH Medina, OH (MIX 95)	
0300 WJWL 107.3 OH Dayton, OH (KEY-FM)	
0307 WJRE 100.5 OH Cleveland, OH	
0305 WJWP 93.9 PA Pittsburgh, PA	

The Sept. radio trip season has been interesting so far. WNEC set a new trip distance record for me at 424 miles, but it was broken days later with WJW at 520 miles. Any Ohio reception here is rare and thanks to Joe Fela for tipping me off on this early morning opening.

ROBERT BOON - WOODBINE - BOX 4073, BOX C., LONDON, ONTARIO N5W 5J2

RECEIVER: Viking SC8813 or SHANLID 2220, ANTENNA: Beam

AUGUST 1988

7 Tr	
2119 CJBC1 90.5 ON Peterborough, general live classical mx, FF // CJBC-6	
	99.3 London
13 Tr	
2215 WJW 98.7 ON Kitchener, reggae Caribbean mx, pm 10	
	"Clarence Maxwell RRP Mr. Energy" mx WJRCB Owen, Ont.

SEPTEMBER 1988

13 Tr	
2003 WMUP 88.8 OH Oxford, mx, ID by YL into jazz mx program	
2040 WJWL 105.7 IN Indianapolis, circus sept. ID, also as Power 105	
	94.5 rock music
2026 WRTB 100.3 IN Washington, IN (Power) "Electric 105 1/2", rock	
14 Tr	
0001 WJWL 98.9 OH Van Wert, DJ Rocky Martin, ads/IDs as "The New 98.9 ss-FM"	
0002 WWSV 107.7 OH Dayton, ID, 12 - listening music	
0001 WJWL 104.1 IN Muncie, 104 WJWL festival promo, rock music	
0045 WTOE 104.7 OH Dayton, ad: 10 - mentioned Dayton	
0052 WRJX 98.7 NY LeRoyville, ID as "98.7 WDJX" into rock music	
0100 WRGN 93.5 OH Bowling Green, 1980 - Toledo's "Hot FM", rock mx	
21 Tr	
2056 WRXX 104.5 WI Eau Claire, 104 WAX mx, ID's as "WAXX Radio & FM Stereo 104 WAX Eau Claire" - wx, mx, jingle.	

ROBERT ROSS' REPORT - continued

SEPT. 21 Tr cont.

- 2120 **WRVM** 102.7 WI Sunrise, gospel show, wk for NE Wisc. ID as "Radio Voice of the Master - WRVM"
- 2319 **WFRN** 104.7 IN Elkhart, ID, DJ was "Dan Rodgers", wk, ex (Chad)
- 2353 **WQMX** 94.9 OH Medina, light rock, ex "DNA Medina-Rock'n'is Mix 95" ex: **WDEB**
- 22 Tr
- 0014 **WDFM** 98.1 OH Defiance, ID as "98.1 WDFM is the 50,000 watt voice of Defiance", rock music.
- 24 Tr
- 0007 **WEXC** 107.1 PA Greenville, Pirates/Cubs BS, ID as "WEXC - home of the Bucs", ads
- 0026 **WFGM** 97.9 WV Fairmont, restaurant ad in Downtown Fairmont into pop, ex

GREG CONIGLIO - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NEW YORK 14221

EQUIPMENT: Pioneer TX9100 tuner, poor quality Radio Shack boom element 30' AGL, Archerrotor used, 75 dba reading.

SEPTEMBER 1988

- 2 Trs
- LOCAL WALK 93.7 DEFEW BRIEFLY OFF AIR
- 1022 **WBZZ** 93.7 PA Pittsburgh, r, B-30-FM 157
- 1023 **WSTW** 93.7 DE Williamsport, r, call, Beach Report, Martin GMC ad, STRONG!, verie rcd., live prog all 3 class Bs in Del. 200
- 9 Tr
- 0659 **WNFA** 88.3 MI Port Huron, g, ID w/Garcia, ON, bluewater Christian Radio. 186
- 11 Tr
- 2038 **WHSE** 107.7 MI Alpena, r, idies o/local WBYR. 271
- 2055 **WKNR** 106.7 MI Gaylord, r, Rick Dees WT40, ads, ID w/Traverse City and Petoskey, "The Peak" 321
- 2400 **WIDL** 104.9 MI Caro, b, sign off at midnight 235
- 12 Tr
- 0006 **CBEE** 88.1 ON Chatham, BE CBC // CBEG 90.3, o/DKLN Toronto 180
- 20 GW
- 0000 **WGR** 96.9 NY Buffalo, rcf (AOR), "97 Rock" (strict), ex: **WRLT** had been running construction site noise for 3 days to drive away the WRLT "Lite FM" listeners 17
- 21 Tr
- 2000 **WHAD** 90.7 WI Delafield, NPR, mono 489
- 2007 **WIFC** 95.5 WI Wausau, r, The Hot FM, calls, local ads 554
- 2012 **WIXX** 101.1 WI Green Bay, r, ads, jingles, verie received 470
- 2030 **WDLM** 89.3 IL East Moline, g, Moody Bible Network, Quad Cities wk Verie, rcd., MY FARTHEST TROPS CATCH TO DATE. 609
- 2217 **WXEZ** 100.3 IL Chicago, b, ID, wk, FM 100 & AM 920, mucho QRM from others such as WZPR, WNIC, etc. 461
- 2219 **WMBI** 90.1 IL Chicago, g, VERY STRONG 461
- 2218 **WQJD** 105.1 IL Evanston, SS briefly o/mess(WDXK/WORS/DNDM/WOLZ) 462
- 2249 **WMOI** 107.5 MI Marquette, r, Hottest Hits for W. Mich. Q-107. 493
- 2251 **WNMU** 90.1 MI Marquette, o, topping WMBI Chicago 507
- 2256 **WYCA** 92.3 IN Hammond, g ID w/Chicago, o/WVAE/WROC/WRRN 464
- 2359 **WKQX** 101.1 IL Chicago, lite rock, ads, legal ID, Q-101. 461
- 22 Tr
- 0714 **WMUS** 106.9 MI Muskegon, w, 107 MUS 259
- 1036 **WDMF** 100.5 OH Bellairre, r, Valley's Power Hits Womp FM, o/WVDR 251
- 1957 **WXIL** 95.1 WV Parkersburg, r, ID w/Harrietta, OH, 95-XIL, o/WZSH 218
- 2018 **WMOO** 100.9 WV Westover, w, Radio 101, local ads 242
- 2059 **WVAD** 101.9 WV Morgantown, r, legal ID 242
- 2110 **WAAL** 99.1 NY Binghamton, r, o/local CHD Toronto. 184
- 23 Tr
- 0715 **WDCU** 90.1 DC Washington, Capitol City Jazz Update 260
- 20 GW
- 1800 **WOLN** 95.7 NY Olean, rcf, ID, ex: **WEPF**, all music, **WOLN** is on the same satellite format as **WYXL** 97.3 57

September was probably the best tropes month I've ever seen. In any, 21 had religion on 102.7 to the west. Any ideas? 73s and Super DX, Greg.

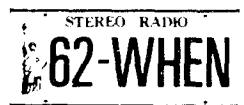
BANDSCAN

BILL BRETSCHNER - 104 RUFF AVENUE - NORTH SYRACUSE, NEW YORK 13212-1506

BANDSCAN: South Bristol, New York

88.3 <b>WABR</b> NY Syracuse	102.9 <b>WMHR</b> NY Syracuse
88.5 <b>WROR</b> NY Rochester	103.1 <b>CFMX</b> ON Cobourg
88.7 <b>WRFD</b> NY Buffalo	103.3 <b>WPHD</b> NY Buffalo
88.9 <b>WRBW</b> NY Brockport	103.5 <b>CJDC</b> ON Orangeville
89.3 <b>WHRV</b> NY Webster	103.7 <b>WONY</b> NY Ithaca
	103.9 <b>WDXK</b> NY Rochester
89.7 <b>WEUS</b> NY Geneva	104.1 <b>WHTR</b> NY Buffalo
89.9 <b>WRVO</b> NY Oswego	104.5 <b>CHUM</b> ON Toronto
90.1 <b>WGNQ</b> NY Syracuse	104.7 <b>WKFM</b> NY Fulton
90.5 <b>WBER</b> NY Henrieville	105.1 <b>WDIV</b> NY DeRuyter
90.9 <b>WJNY</b> NY Watertown	
	CKDM ON Peterborough
91.1 <b>QJRT</b> ON Toronto	105.3 <b>WKPD</b> NY Hornell
91.3 <b>WONY</b> NY Syracuse	105.5 <b>W5GO</b> NY Oswego
91.5 <b>WAXI</b> NY Rochester	105.7 <b>CHRE</b> ON Saint Catharines
92.1 <b>WSEN</b> NY Baldwinsville	106.1 <b>WZKZ</b> NY Corning
92.5 <b>WBEZ</b> NY Rochester	106.3 <b>CJBC3</b> ON Peterborough
92.9 <b>WBUF</b> NY Buffalo	106.5 <b>WYRK</b> NY Buffalo
93.1 <b>WATO</b> NY Syracuse	106.9 <b>WPCX</b> NY Auburn
<b>CHAY</b> ON Berlin	107.1 <b>CILD</b> ON Toronto
93.5 <b>WVBR</b> NY Ithaca	107.3 <b>WRCK</b> NY Utica (weak)
93.7 <b>WBLK</b> NY DeFew	107.7 <b>WBVR</b> NY Weathersfield
93.9 <b>CFMO</b> ON Ottawa ID	107.9 <b>WRHP</b> NY Syracuse
94.1 <b>EBL</b> ON Toronto	
94.5 <b>WNEB</b> NY Buffalo	
<b>WYYY</b> NY Syracuse (faded)	
94.7 <b>WISH</b> image	
94.9 "	
95.1 <b>WZSH</b> NY South Bristol	
95.3, 95.5 <b>WZEH</b> images	
95.7 <b>WEEF</b> NY Olean (now <b>WOLN-50</b> )	
	<b>WADK</b> not available
95.9 <b>WFLR</b> NY Durbin strong!	
96.1 <b>WJYE</b> NY Buffalo	
<b>WFRD</b> NY Utica (faded)	
96.3 <b>CFMR</b> ON Kingston	
96.5 <b>WOMP</b> NY Rochester	
96.9 <b>WRLT</b> NY Buffalo (now <b>WGR-FM-50</b> )	
<b>WOLR</b> NY Utica (faded)	
<b>CJBL</b> ON Belleville	
97.1 <b>WYXL</b> NY Ithaca	
97.3 <b>WYXL</b> NY Ithaca	
97.5 <b>WNOO</b> NY Watertown	
	(now <b>WOLZ-50</b> )
97.7 <b>CHTZ</b> ON Saint Catharines	
97.9 <b>WPXY</b> NY Rochester Power Hit!	
98.1 <b>CHFI</b> ON Toronto	
98.3 <b>WVIN</b> NY Bath	
98.5 <b>WDEE</b> NY Niagara Falls	
98.5 <b>WRLX</b> NY Rochester	
99.1 <b>CRU</b> ON Toronto	
99.3 <b>WSEW</b> NY Seneca Falls	
99.5 <b>WDCX</b> NY Buffalo	
99.9 <b>WOKW</b> NY Cortland	
<b>CKFM</b> ON Toronto	
100.5 <b>WVDR</b> NY Rochester	
100.9 <b>WEZB</b> NY North Syracuse	
<b>WELX</b> NY Horseheads noisy	
101.3 <b>WEZO</b> NY Rochester	
	(now <b>WRHM-50</b> )
101.7 <b>WEED</b> NY Geneva	
102.1 <b>CFNY</b> ON Toronto	
102.3 <b>WFLC</b> NY Canandaigua strong!	
102.5 <b>WMJD</b> NY Buffalo strong!	

**WIBX AM95**  
**WNYZ FM98.7**  
 POST OFFICE BOX 950 / UTICA, NEW YORK 13503



↓ LOOK →  
 103.1 Cobourg. **CF3B** never uses its calls, just "Rock 95". 73, GC  
 103.3 Mississauga is **CFMX**, and 95.7 Buffalo is **CFBL**. **CFMA** relaxes the classical format of **CFMX**

# WESTERN TV-DX

October 1988

Fred McCormack  
Box 5221  
State University Station  
Fargo, ND 58105

Deadline: 11-02-88

Reports of August 1988 E skip seem to indicate a dramatic drop off, at least in the more northern latitudes. Pat Dyer experienced a late month resurgence of E skip. As usual, some decent tropo loggings are reported this month, but no long lasting "super tropo" events. Communications from Bill Draeb and Jeff Kadet indicate that such events took place at the end of August and early September. Hopefully we can read of those events next month.

Welcome this month to Doug Allen from Colorado. It is good to have a report from Colorado. Only two reports from Colorado have appeared during my editorship and none since November 1981. Wouldn't it be great to have reports from every state? Let's hear from you!

New \_\_\_ New Mode \_\_\_ Tent. - t Unidentified - unid S/On - + S/off - =  
ID Color Bars - @ Unid Color Bars - % Misc. Test Patterns - &  
Parallel Programming - //

BN Baja California Norte GR Guerrero PU Puebla

John Jefferson, 4104 Spyglass Ct., Antioch, CA 94509

DDT

### Equipment:

JVC AH-7200U VCR as tuner (with Hitachi CT-922 as monitor) fed by a Channel Master UHF Quantum 4257 at 35 feet and a Channel Master VHF/FM Quantum 1110 at 32 feet on the same mast. Separate downloads with a Channel Master booster on the UHF. Bohsei black and white fed by a Radio Shack V185 in the garage at 7 feet and aimed east southeast.

The skip season sure died early this year! Last significant opening was July 5, the day I moved here. Since then the MUF has barely brushed the FM band twice, most recently on July 22. Guess I'll have to wait until next year to see what Antioch can do on the low band. For now, I can make some guesses based on what little did develop after the antennas went up July 22. The overload from KCRA-3 and KVIE-6 is worse than hoped, producing lining on channels 2, 4, and 5; so it'll be difficult to tell when there are weak openings. Anything from the northeast had better be spectacular or I'll not see it, that being the direction of the Walnut Grove tower (with channels 3, 6, 10, 13, 31, 40, and 58). But modest signal strengths from the southeast on channels 2, 4, and 5 can produce reasonable pictures, so decent openings from there should be fairly interesting.

The 4257 is hot! So far I've had flawless signals from up to 180 miles when tropo are up, and KGET-17 would have looked like a local at one point except for the @#! land mobile operations on that channel. I don't expect to spend a lot of time DX'ing the UHF band with the rotor aimed northeast though. With three 5 Meg monsters at 15 miles, the overload is ridiculous. Luckily, I don't think there are a lot of reasonable targets that way!

As usual new loggings are underlined; all others are new to Antioch unless starred. KTXT was logged with the Hitachi and the V185; everything else was with the Hitachi & the new antenna setup. The Bohsei b&w just can't handle the overload, so is on the V185; the JVC VCR may eventually see action again as it seems slightly less prone to overload, but it's also more prone to show spurious lining on the lowband for some reason.

July 1988	22 tr 2158 KIXE 9 CA 175	29 tr 0505 K650J 65 CA 175
	2159 KGET 17 CA 230	(Redding LPTV-TBN)
17 Es 1059 KTXT 5 TX 1150	23 tr 0700 K57CL 57 CA 190	31 tr 0056 K62AY 62 CA 100
22 tr 1828 K18AO 18 CA 100	(Visalia LPTV-TBN)	(Lakeport KICU-36)
(Oroville KCPM-24)	24 tr 0739 K68AL 68 CA 100	
1910 K52AJ 52 CA 100	(Lakeport KXTV-10)	
(Lakeport KHSL-12)	0741 K64AZ 64 CA 100	August 1988
1911 K56AW 56 CA 100	(Lakeport KOVR-13)	1 tr 0145 K55CN 55 CA 240
(Lakeport KTVU-2)	28 tr 0007 K57AV 57 CA 62	(Bakersfield LPTV-TBN)
Es 2043 (MUF to 89.7)	(Santa Cruz KMST-46)	0212 *K55BZ 55 CA 105
tr 2138 KERO 23 CA 240	(Lakeport K58AW 58 CA 100)	(Planada w/KTSF-26)
2139 K34AV 34 CA 140	(Lakeport KCRA-3)	(normally KMPH-26)
(Fresno KFCB-42)	( KSCH-58 off! )	4 tr 0043 KSBY 6 CA 180
		12 tr 0012 KVIQ 5 CA 220

I note K55BZ with KTSF only as a curiosity as it's often usable and always at least there when KMPH-26 is on. It appeared to be triggering at reduced power, as it was

Western TV-DX

October 1988

John Jefferson (continued) barely readable through K55CN at half the latter's distance! K62AY translates KVIE-6 until signoff, then switches to KICU-36. Later I did catch a KVIE ID from it, but neglected to note the date and time. The translator is fairly hard to get because K62BT Placerville usually walks on it. The Antioch log stands at 72 - the Diablo area is up to 152 (versus 148 for the old Bay area log).

Randy Miltier, 1068 Fairview Avenue, San Jose, CA 95125 (N6HMO)

DDT

### Equipment:

1986 23" Mitsubishi, 12" b&w Zenith, Channel Master 1160 VHF/UHF antenna and Channel Master rotor. Fisher VCR.

August 1988	15 ms 0435 KDBC 4 TX 970	19 tr 0535 unid channel 11
4 Es 1032 unid channel 2	0505 unid channel 4	(Not KTTV-11)
10 Es 1926 unid channel 2	16 ms 0436 KDBC 4 TX 970	

August was worse than July for sporadic E skip. This pattern was observed in 1987, but not as bad. In the past, you could always count on sporadic E through August and sometimes September. I did some meteor scatter hunting on August 15 and 16 and found KDBC-4, El Paso, Texas. Channels 2, 3, and 5 are 24 hours here and channel 6 gets FM interference. KRON-4 will eventually be going 24 hours so it won't be long before that channel is gone.

Nice to see John Sullivan and Ed Frye from California reporting in the VUD - hope to hear from you guys again.... TV DX'ers on the west coast are rare!

Christopher W. Hanley, 1321 Beecher Avenue, Galesburg, IL 61401

DDT

Here's my report for July 16 - August 15, 1988. First though, let me clear up a mistake (probably mine) (*I wouldn't be too sure!* fm) in the August VUD. The loggings that begin with KHQA-7 and end in "unids 2, 5 Mexico" should be listed as June, not May. I'd like to get May E skip, but it eluded me in 1988. Maybe next year, especially if I get the chance to put up outside antennas. I've already made a little progress this year, moving to Galesburg and DX'ing in color after 8 1/2 years in black and white! Well, here goes (Comb's computer figures):

July 1988	17 tr 0659 WMTV 15 WI 152	26 tr 0817 WHMB 40 IN 231	August 1988
0700 WHA 21 WI 151	0830 WXIN 59 IN 231	10 tr 0500 KDNL 30 MO 164	
0701 KWWL 7 IA 111	27 tr 0816 KDUB 40(WI) 152	0620 KRIN 32 IA 121	
0706 WMSN 47 WI 150	0801 WGB0 66 IL 157	0625 WAND 17 IL 107	
( WTVP off air )	0833 WCFC 38 IL 157	0630 KOGR 28 IA 121	
0719 KGAN 2 IA 111	0850 WYCC 20 IL 157	0635 KCRG 9 IA 121	
0739 WISC 3 WI 150	WICS 20 IL 93	11 tr 0859 WFIE 14(KY) 261	
26 tr 0756 WTJR 16 IL 86	0911 WFHL 23 IL 105	12 tr 0751 KOGR 28 IA 121	

Jeff Kruszka, 1900 Stevens Drive, #224, Richland, WA 99352

DDT

### Equipment:

Sylvania 12" black and white, quad loops cut for channels 2, 3, and 5 @ 15'

August 1988	3 Es 2001 KAMR 4 TX 1120	3 Es 2203 KFDX 3 TX 1310
3 Es 1911 unid ch 2 Mexico	2011 KJRH 2 OK 1310	15 Es 2244 unid ch 3 Mexico
unid channel 4	2029 KSNW 3 KS 1190	(Briefly)
1935 unid ch 3 French	KSNC 2 KS 1100	27 Es 1930 CKND2 2 MB 1025
1950 CKND2 2 MB 1025	2056 KPHOT 5 AZ	
1956 KTVK 3 AZ 915	2059 KVOA 4 AZ 1000	
(At least 2 E clouds.)	2100 KNAZ 2 AZ 815	

That's it! What happened? This had to be the worst August for E skip ever. On the brighter side, attending the convention was a lot of fun. Lots of interesting people and some very good presentations. Unfortunately, the DX was minimal there too - no E skip to speak of (except on videotape!).

Doug Allen, P.O. Box 5646, Woodland Park, CO 80866 (W2CRS)

MOT

Equipment:

7 element VHF log-periodic yagi (Radio Shack?) bought at auction for \$10. Replaced with Quantum 1110 mid August. P-7 and Radio Shack preamplifier for UHF. Both antennas rotatable on separate masts at about 20 feet. Old Zenith black and white.

June 1988

1 Es 1100 WKRG 5 AL	20 Es 1100 WKYC 3 OH	28 Es 1200 KTBS 3 LA
1130 WAVE 3 KY	1600 WWMT 3 MI	1400 WWMT 3 MI
1200 WEAR 3 FL	1630 WSTL 3 IL	
6 Es 0900 WAVE 3 XY	1700 KYTV 3 MO	<u>July 1988</u>
0959 WBTV 3 NC	27 Es 0900 WAVE 3 KY	2 Es 1900 WPSX 3 PA
10 Es 0800 WRCC 3 TN	1030 WWMT 3 MI	7 Es 2100 WEAR 3 FL
16 tr 0730 KAKE 10 KS 410	1200 KOAB 3 OR	8 Es 0830 KTVO 3 MO
Es 1500 KIII 3 TX	1800 KCRA 3 CA	out of town till 26th
19 tr 0600 KGWC 14 WY	1830 KRTV 3 MT	27 Es 1000 WAVE 3 KY
0700 KSTF 10 NE 210	28 Es 1000 WKRG 5 AL	1025 WLWT 5 OH

Channel 5, KGWN and channel 33, KDBJ, Cheyenne, Wyoming at 150 miles are fairly strong regulars even on rabbit ears! Also, KTVS, Sterling, Colorado at 150 miles and channel 10, KLOE, Goodland, Kansas at 180 miles are always 10-able. After 3 months of DX'ing, we are up to 43 stations (plus 7 translators) in 18 states.

Because this is my first report in ten years and my first report from this location, I'll describe it. We're located on a hill at 9000 feet with Pikes Peak (14210 feet) eight miles due south. There is somewhat higher ground to the east and west, but nothing more than three degrees above theoretical horizon. Significant elevation drop-off toward the north makes it our best direction. Denver stations at fifty miles are full quieting on rabbit ears - unlike the much weaker Colorado Springs stations at fifteen miles which are unwatchable on rabbit ears because of multipath (they're on the other side of Pikes Peak). I bought the Quantum 1110 mainly to try to null out the strong Denver stations. Was fairly strong locals on all VHF channels except 3 and 10 there's not a lot of DX'ing opportunity, and so far I haven't seen any good tropo on UHF. My VHF-UHF DX'ing time is divided between TV, FM, and the amateur 50, 144, 220, 432, and 1296 MHz bands.

Dr. Bruce Elving, 241 Anderson Road, Esko, MN 55733-9413

CDT

August 1988

12 tr 0745-0900	15 tr 0100 KXNE 19 NE
K24AE 24 MN	KDSD 16 SD
(Alexandria KSAX-42)	KHNET 29 NE
K14AD 14 MN	1600 WKOW 27 WI
(Willmar KSAX-42)	WMTV 15 WI
KXLI 47 MN	WLAX 25 WI
K58BX 58 IA	(Willmar KITN-29)
(Davenport LPTV-TBN)	K46AC 46 MN
W64AU 64 WI	(Willmar WCCO-4)
(Adams WI ETV)	15 tr 1255 KMEG 14 IA
	unid channel 17

(Bruce noted that he was unsure about the date of the loggings shown as the 19th. I think it may have been the 20th as that was when I was seeing tropo. fm)

William Draeb, Ellis St., Rt. #2, Kewaunee, WI 54216

CDT

Equipment:

7' Finco dish, B-T CMA-Ub preamp @ 93', .750 cable. Stacked Finco high band yagis with B-T AB-3 (tube type) preamp @ 100' with RG/11 cable. Second tower, 40', with Winegard CH-2026 (lo-band) and Winegard SC713 (hi-band) yagis. Hi-band uses AB-300 preamp. Zenith 14N22 table model 23" b&w (1971) with B-T BTU-2s UHF converter (used for UHF and also the stacked hi-band yagis) and Zenith 16J20 19" b&w (early 60's) (used with antennas on 40' tower). Panasonic 9" b&w portable.

August 1988

11 tr 0245 %CIT03 11 ON	11 tr 1912 WNEO 45 OH 405	12 tr 0732 WEHT 25(KY) 400
%CKNY 10 ON	12 tr 0346 @CKC04 11 ON	WDRB 41(IN) 437
(//CBCE-16)	0738 WVUT 22 IN 405	WCET 48 OH 400
WBNS 10 OH 395	KDNL 30 MO 432	0804 W69BT 69 IN 208
	WFIE 14(KY) 420	(South Bend WCIU-25)

William Draeb (continued)

15 gw 0810	Iron Mtn x1trs &	18 tr 0707	KDNL 30 MO 432
	ESPN on 62 again	19 Es 1900	Charleston 2,4,5
12 tr 0804 WLKY 32(IN) 437	16 tr 0113		WESH 2 FL
0811 WKOH 31 KY	(Laird Township)	tr 2330	WTWO 2 IN 348
(Snow free)	CICA## 49 ON		(Rare)
WEIU 51 IL 300+	(Unknown - near	20 tr 0758	KOQR 28 IA 268
13 tr 2325 CBLFT 23 16 ON	Sault Ste Marie)	23 tr 1722	WPBO 42 OH 462
WUSI 16 IL 402	17 tr 0145		WCET 48 OH 400

The weather turned colder recently (in 70's) and the tropo activity took a nose dive too. I doubt if it'll change for the better anytime soon so tropo activity could be kind of slim in the near future. 73's, Bill

Pat Dyer, 5315 Silvertip Drive, San Antonio, TX 78228-2744

CST

Equipment:

1980 model Penncrest 9 inch black and white, Archer V-100 and 8 bay bow-tie UHF array at 20 feet with rotor.

July 1988

13 Es 0759	KDLO 3 SD	21 Es 1625	WCBS 2 CA
1 Es 1859	WAVE 3(IN)	1555	WDTN 2 OH
2 Es 1759	WKYC 3 OH	2132	KOTA 3 SD
4 Es 1101	WBDM 2 IL	2229	KTWO 2 WY
1330	KUTV 2 UT	14 Es 0850	KOTA 3 SD
1706	WBYA 2 WI	0950	KUSD 2 SD
1857	WWMT 3 MI	1125	KUTV 2 UT
5 Es 0925	CBWFT 3 MB	15 Es 1433	XHAP 2 GR
0929	KUTV 2 UT	17 tr 0421	KLFY 10 LA
0959	KIDK 3 ID		WAFB 9 LA
1702	KVBC 3 NV	0430	KADN 15 LA
1820	KSBY 6 CA	Es 0829	KUSD 2 SD
1859	KOTA 3 SD	0834	KMTV 3 NE
6 Es 0947	WAVE 3(IN)	0906	KDLO 3 SD
1322	XHBC 3 BN	1100	KIDK 3 ID
7 Es 0758	XHP 3 PU	18 tr 0118	KBMT 12 TX
1453	XHBC 3 BN	0135	KFDH 6 TX
1750	WTWO 2 IN	0140	KADN 15 LA
1859	WSAZ 3 WV	0159	KJAC 4 TX
2101	WVAY 3 NC	0259	KLFY 10 LA
2105	WCBD 2 SC	0451	KPLC 7 LA
9 Es 1759	KTWO 2 WY	Es 1708	KGAN 2 IA
10 Es 1229	KOTA 3 SD	19 Es 1154	KDLO 3 SD
11 tr 0353	KATC 3 LA	1200	KGFE 2 ND
0443	KLFY 10 LA	1730	WSAV 3 GA
	KPLC 7 LA	1759	KTCA 2 MN
Es 1159	KGAN 2 IA	1829	CFSS 3 SK
1320	KCBS 2 CA	1859	WAVE 3(IN)
1645	WCIX 6 FL	21 Es 0943	KTVI 2 MO
1829	WEDU 3 FL		Es 1100
1859	WWMT 3 MI	0959	WTWO 2 IN
12 Es 1735	KREG 3 CO	1032	KGAN 2 IA
2011	XHBC 3 BN	1148	WVAY 3 NC
13 tr 0454	KTRF 9 TX	1231	WSAV 3 GA
0457	WAPT 16 MS	1432	KVBC 3 NV
		21 Es 1625	WCBS 2 CA
		1630	KEYT 3 CA
		22 Es 1259	WCIA 3 IL
		1329	WOWT 5 NE
		1428	KBME 3 ND
		23 Es 0859	WAVE 3(IN)
		0929	WISC 3 WI
		0959	WKYC 3 OH
		1029	WCIA 3 IL
		1143	KMOV 4 MO
		1200	KTVI 2 MO
		1244	WCBD 2 SC
		24 tr 0025	KLFY 10 LA
		0149	KITV 34 TX
		0154	KADN 15 LA
		0204	KFDM 6 TX
		0418	WAFB 9 LA
		0520	KPLC 7 LA
		0525	WVLA 33 LA
		25 tr 0000	WAFB 9 LA
		Es 0959	KQTV 2 MO
		26 tr 0419	KTRF 9 TX
		Es 1059	KGAN 2 IA
		1101	KDLH 3 MN
		1116	KDLO 3 MN
		1128	KUSD 2 SD
		27 tr 0012	KTRF 9 TX
		0202	KJAC 4 TX
		0345	KFDM 6 TX
		Es 1100	KGAN 2 IA
		1115	KIMT 3 IA
		1157	KDLO 3 SD
		1200	KGFE 2 ND
		29 Es 0829	KGFE 2 ND
			KOTA 3 SD

Another "bare bones" TV report like those that I sent in for May and June. I forgot to note then that my June 3 logging of KTVO was of their test pattern (got some good tape of the ol' RETMA type) that they were running on their auxiliary antenna-transmitter. Their primary 2000 foot tower at Colony, Missouri had collapsed the day before with three fatalities.

July 26, the dreaded 89.1 100 kW NPR item came to life, with its transmitter some eight miles northwest of me. Channel 6 is now no longer what it used to be here! My FM set is not the only item now that might need a Channel Master tunable trap.

August 1988

2 Es 1628	KTVI 2 MO	3 Es 1359	KOTA 3 SD
1728	WDTN 2 OH	1428	WTWO 2 IN
1554	WBYA 2 WI	1429	KTCA 2 MN
1556	WCIA 3 IL	1940	KXMA 2 ND
1559	WBBM 2 IL	3 Es 1217	KWGN 2 CO
		6 tr 0335	KLFY 10 LA





William Draeb (continued)

21 tr 0800	WLYT 22 KY	21 tr 1835	WETO 39 TN 613
16 tr 0740	WUTV 29 NY	1900	WMSY 52 VA
17 tr 0624	@CBLN5 20 ON 305		WUXA 30 OH 462
	(Wiaront)	2012	WYMT 57 KY 551
0711	KXLI 41 MN		WKHA 35 KY 551
	KSAX 42 MN		WOSU 34 OH 295
	Mpls UHF's good	2018	WUNF 33 NC 600+
0831	KVRR 15(MN)		(Snow free)
	WDSE 8 MN 296	1221	KXLI 41 MN
	(Snow free)		KSAX 42 MN
2032	WSEE 35 PA 405		WSBN 47 VA 587
18 tr 0633	CIC028 28 ON 394		(Snow free)
	CBLN1 56 ON 394		WAFF 48 AL 685
	also 34, 40, 45		(Weak)
	W57AR 57 WI		unid 22 nw 0 kHz
	(Sayner WSAW- 7)		(KAWE ??)
au 2230	channel 2	1835	WPBO 42 OH 462
19 Es 2137	WSB t 2 GA		WKGB 53 KY 553
2148	WESH 2 FL		(Weak)
21 tr 0800	WBNA 21 KY 437		WCVN 54 KY 407
	WGRB 34 KY		WCET 48 OH 400
	WDKY 56 KY		WIII 64 OH 400
	WTVQ 36 KY 473		(Above snow free)
	WKYT 21 KY 473		W68BS 68 WI 25
	WDRB 41 KY 437		(Green Bay LPTV-TBN)

Note - 9/21 @ 2332 - WGGT-48 identifies as "The Great Entertainer."

This last tropo opening (9/21-22) was about the best of the year, so far, in the amount of stations that were in and in the signal levels which produced snow free DX on nearly every channel that was occupied. It appeared to last all day, but I couldn't stick around for all that time. It ended in the wee hours of the 21st when there was rapid fading and rain.

Note that a new translator started in Green Bay on channel 68. It carries the Trinity Broadcasting Network. Their antenna must be on one of the existing towers as that's where they come in best from (snow free). However, when I turn the dish off them they get snowy right away, but never really bad. I think it was shortsighted picking channel 68. No doubt they'll have to move when the channel 68 in Fond du Lac comes on.

The CBLN (CBC English) repeaters seem to all be on now. See the July VUD. There are some differences though. The one in Sarnia is on channel 34 and the one in Chatham is supposed to be on channel 64. I've seen all but the channel 64 repeater so far. Channels 40 and 45 are daily fixtures here, but not very strong usually. Channel 20 would be seen more often too, but it's buried under "garbage" caused by Green Bay U's. Channel 34 is pretty weak even though they're the closest.

That last TVO repeater I saw on channel 49 is in Prince Township which is adjacent to Sault Ste. Marie on its northern border. The TVO repeater in my report (see September VUD) on channel 45 is Algoma Mills.

Channel 48 from Greensboro could only be identified positively after snow free WCET-49 signed off. At first I thought I wouldn't get an ID, but the signal peaked during a commercial for Triad Tires in which Greensboro and other local cities were mentioned. This was followed by a station ID with call letters.

Station total is now up to 997. That's all for now. 73, Bill

(Still no news here on a channel 49 in upper Michigan. The September 1, 1988 FCC microfiche shows no grant or even application activity. Let us know when you track it down, fm)

Frank Merrill, P.O. Box 669, Macomb, IL 61455

CDT

Equipment:

Zenith 13". UHF log-periodic and VHF deep fringe antenna with winegard pre-amplifier on 40 foot tower. New vertical mount lowband antenna at 15 feet. All models unknown.

June 1988	11 Es 1822	CKND2 2 MB	11 Es 1900	unids chs 3-6	
10 Es 1300	KNMZ 2 NM	1827	CKBI 5 SK	1955	KTVQ 2 MT
	1304	KUTV 2 UT		2000	KRTV 3 MT
	2124	KOB 4 NM		1900	CFSK 4 SK

Frank Merrill (continued)

22 Es 1657-1700	KGWN 2 CO	26 Es 2200	KSL 5 UT
	KTVX 4 UT	27 Es 0030	KTVQ 2 MT
	KSL 5 UT	1300	KNAZ 2 AZ
	1717		KDBC 4 TX
	1720	28 tr 0130	WCLJ 42 IN TBN
	1729	Es 1211	KGBT 4 TX
	1730	1213	KIII 3 TX
	1808	1600	KTWO 2 WY
	1821		HDK 3 ID
	1821	1820	KNMZ 2 NM
	1800	1828	KRTV-3 or KVUS-3
	1803	1830	KFDX 3 TX 635
	1814		(See Note)
	1900	1900	WMAR 2 MD
	1925		unid ch 2 Mexico
	2200	1922	KTVX 4 UT
	2300	1928	KTVK 3 AZ
	2330	1953	KUTV 2 UT
23 tr 0612	@WCCC 23 IN		CKCK 2 SK
	Toledo 24,30,36		KCWC 4 WY
	Indiana nearly		KPVI 6 ID
	snow free		29 Es 2100
	WFWA 39 IN weak		WLNE 6 MA
	0620		WFSB 3 CT
	Es 1818		2300
	XEFB 2 NL		WMAR 2 MD
	1828		30 tr 0400-0600
	KDBC 4 TX		WHIO 7 OH
	1859		WXIX 19 OH
	XHPN 3 CU		WCPO 9 OH
	1912		Es 1225
	KIII 3 TX		WCBD 2 SC
	1949		1717
	XELN 4 CU		CKCK 2 SK
	24 tr 0400		1728
	WHKE 55 WI		CFQC1 3 SK
	Es 0830		1729
	KDBC 4 TX		CBKT1 4 SK
	1028		1830
	KIII 3 TX		KXLF 4 MT
	1153		(All by itself)
	XHBQ 3 ZA		
	1945		
	KIII 3 TX		
	1950		
	XHRIO 2 TA		
	1953		
	KPRC 2 TX		
	2300		
	CKCK 2 SK		
	2327		
	CKND2 2 MB		
20 Es 2033	KPVI 6 ID	July 1988	
1300	WPBT 2 FL	2 Es 0930	WCBD 2 SC
1359	KDBC 4 TX	1800	CKSA 2 AB
1730	KNAZ 2 AZ	1822	KREM 2 WA
1748	KTVK 3 AZ	9 Es 1648	WRGB 6 NY
1758	KPHO 5 AZ	1700	WSTM 3 NY
1927	CKND2 2 MB	1847	WWAY 3 NC
1945	CKB13 4 SK	1902	CBFT 2 PQ
2000	CKBI 5 SK	1924	WPBT 2 FL
2058	CFQC1 3 SK	1924	KOB 4 NM
	(On QCR)	1929	KVOA 4 AZ
	2111	2030	KMID 2 TX
	CKCK 2 SK	2200	KNAZ 2 AZ
	2202	2200	KTVK 3 AZ
	CBXFT1 6 AB	2257	KPHO 5 AZ
	CFRN 3 AB 1380		26 tr 0023
	(See Note)		KGIN 11 NE
21 Es 0046	KXMA 2 ND		WOWT 6 NE
0059	CFSS 3 SK		KETV 7 NE
	(CKOS Cable 11)		KOLN 10 NE
0139	KDLO 3 SD		0030 =KJMH 26 IA
0157	CKND2 2 MB		0049
0158	CBKT1 4 SK		KHGI 13 NE
0203	KGFE 2 ND		(Briefly o/WHO)
0232	CFAC 2 AB		Es 1030
0758	CKCK 2 SK		XENW 3 NM
0811	@CBWFT 3 MB		1035
0826	CKND2 2 MB		KVIO 6 NM
0830	CKB13 4 SK		1042
	CKBI 5 SK		XEJ 5 CH
1328	KNAZ 2 AZ		1059
1330	KREG 3 CO		KRGV 5 TX
1755	WCBS 2 NY		(o/u XEJ ID)
1830	WLBZ 2 ME		Es 1030
1856	WTKR 3 VA		1035
tr 2359	WTTK 29 IN		1042
	(WTTV Ch 4)		1059
			KRGV 5 TX
			1223
			KIII 3 TX
			1233
			KRIS 6 TX
			1258
			KPHO 5 AZ
			1325
			KMID 2 TX
			1429
			KDBC 4 TX
			KTVK 3 AZ
			1800
			KUTV 2 UT
			2200
			KTVX 4 UT

Frank Merrill (continued)

21 Es 2128 XHRIO-2 or KEFE  
 15 tr 0500 KSTP 5 MN 22 Es 1032 KVVU 5 NV 1350  
 (Over KSDK-5) 1037 KVBC 3 NV 1350  
 0523 @KCCW 12 MN (See Note)  
 0524 @KCCO 7 MN 1246 KIII 3 TX  
 (Over KHQA-7) KGBT 4 TX  
 0547 @KAAL 6 MN 1430 XHPN 3 CU  
 (Under KWQC-6) 1457 KENW 3 NM  
 0601 @KTCA 2 MN 1500 KMID 2 TX  
 (Under KGAN-2) KDBC 4 TX  
 0659 @KWCM 10 MN 1553 XEJ 5 CH  
 (0 kHz -WGEM-10) XEPMT 2 CH XEW  
 0900 @KTIC 17 MN 23 Es 1100 KPRC 2 TX  
 (Local Weather) KMOL 4 TX  
 17 tr 0128 KXLT 47 MN 1112 KIII 3 TX  
 (// KXLI-41) 1116 XHRIO 2 TA  
 WAOW 9 WI 1159 KGBT 4 TX  
 WJFW 12 WI 1231 unid ch 4 Mexico  
 Sioux Falls 11,13 ("Canal 13" ID)  
 Mpls 23, 29 24 Es 1600 WGBH 2 MA  
 0147 K20AD 20 MN 1630 unid 2-4 French  
 (Worthington KSTP- 5) 1730 CKCW 2 NB  
 K32AF 32 MN 25 Es 1020 KIII 3 TX  
 (St. James KSTP- 5) unid ch 2 Mexico  
 0202 KUSD 2 SD 3 unids on ch 4  
 0400 W55AD 55 WI 1055 CFAC 2 AB  
 (Door Cnty w/WCFC-38) 1152 CFRN 3 AB  
 (Normal WPNE-38) 1710-1730  
 0446-0500 CBGAT14 2 PG  
 @CKNC1 7 ON CJBRT 2 PQ  
 (S/on 0500 - ID WLBZ 2 ME  
 by Jeff Kadet) CBFTC 3 PG  
 0500-0700 CBHT 3 NS  
 WJMN 3 MI CHSJ 4 NE  
 WFRV 5 WI WABI 5 ME  
 WWTV 9 MI CJCH 5 NS  
 WJFW 12 WI CJCH 6 NS  
 WEAU 13 WI 1802 CBAFT1 5 NB  
 WAOW 9 WI 1829 WCAX 3 VT  
 WCMU 14 MI 26 Es 0957 WCBD 2 SC  
 WCMV 27 MI 1120 WESH 2 FL  
 WCMW 21 MI 1130 WUND 2 NC  
 0551 @WBKB 11 MI 1200 WTKR 3 VA  
 0610 @WPBN 7 MI KNAZ 2 AZ  
 19 tr 0400 WFRV 5 WI 27 Es 1027 KUTV 2 UT  
 Chicagos strong 1040 KOB 4 NM  
 WISN 12 WI KNMZ 2 NM  
 WVTU 18 WI 1100 KNME 5 NM  
 0500-0600 1200 XHIA 2 CU  
 WSAW 7 WI 1500 KNAZ 2 AZ  
 WWTV 9 MI 28 Es 2331 CKPP 2 ON 565  
 WLUK 11 WI  
 WCMW 21 MI August 1988  
 WGTU 29 MI 14 tr 2200 WINM 63 IN  
 Es 1530 KMID 2 TX 15 tr 0500 KPLO 6 SD  
 1900 KNAZ 2 AZ 0547 KESC 8 SD  
 20 Es 2230 WCBD 2 SC 0555 @KDLT 5 SD  
 21 Es 2107 KIII 3 TX (Briefly on WOI-5)  
 KGBT 4 TX 16 tr 0452 WLN5 6 MI

15 tr 0800 K46AA 46 MN  
 (St. James KTCA- 2)  
 0828 K48AH 48 MN  
 (St. James KMSP- 3)  
 0833 K46AC 46 MN  
 (Williamar WCCO- 4)  
 Other MN,WI,MI  
 17 tr 0050 WFIE 14 IN  
 0345 WAKE 23 OH  
 0400-1410  
 WTTE 28 OH  
 WAON 20 MI  
 WQHS 61 CH  
 WUAB 43 OH  
 WDLI 17 OH  
 0414-0420  
 @WPGH 53 PA  
 WTVG 13 OH  
 WBNS 10 OH  
 0430 WVIJ 25 OH  
 WOIO 19 OH  
 WYTV 33 OH  
 WTRF 7 WV  
 18 tr 0502 KOJA 15 IA  
 20 Es 0028 KUTV 2 UT  
 1959 WDIQ 2 AL  
 2000 WESH 2 FL  
 23 tr 0720 K52BH 52 IA  
 (Ames LPTV-TBN)  
 0725 KAAZ 16 KS  
 K14HK 14 KS  
 (Great Bend KSAS-24)  
 0728 KAKE 10 KS  
 (Navy o/WGEM-10)  
 0730 KAYS 7 KS  
 KSAS 24 KS  
 0900 KETV 7 NE  
 0900 KPTS 8 KS  
 (o/WQAD, POMU)  
 KODD 9 KS  
 0919 KMOI 38 KS  
 1000 K45## 45 TX  
 (Unknown KVII- 7)  
 (ID by Jeff K)

September 1988  
 21 tr 1116 KCIT 14 TX  
 (Suspect 5 MW)  
 2100-0200 (9/22)  
 WGTU 29 MI  
 Toledo UHF's  
 Dayton UHF's  
 Cincinnati UHF's  
 WINM 63 IN  
 CCI from Detroit  
 CCI from Cleveland  
 WPTT 22 PA  
 CBEST 54 ON

Note - I was very pleased to log these channel 3's to my west at somewhat "awkward" distances. KTVO's accident (which unfortunately also resulted in deaths) left me with a weaker KTVO all summer, broadcasting from their old site. Perhaps CFRN would have made it with a strong KTVO, but the others, especially KLEW - no way! Now if I can get Jeff's PCRA and HTVS on E skip and KLNE on tropo, I'll be happy! I still need KYUS, but I'm not worried.

(The past deadline June loggings in this report are being published because Frank advised me that an earlier report was lost in the mail. fm)

Doug Allen, P.O. Box 5646, Woodland Park, CO 80866 (W2CRS)

MDT

Equipment:  
 Quantum 1110, P-7 and Radio Shack preamplifier for UHF. Both antennas rotatable on separate masts at about 20 feet. Old Zenith black and white.

August 1988  
 8 Es 2250 KGAN 2 IA 24 Es 1900 WRBL 3 GA  
 (State #20)  
 8 Es 2200 WKYC 3 OH 24 Es 0830 WSAV 3 GA  
 2230 WWMT 3 MI 0900 WSB 2 GA  
 September 1988  
 19 Es 1300 WQIA 3 IL

The Quantum 1110 does not appear to have very much more gain than the \$10 special (make unknown) that I bought at a local auction and used until August. The boom length of the Quantum is about twice that of the old antenna; in theory (everything else being equal) it should have about 3 dB more gain which is probably about right.

The Quantum is a much sharper antenna, however. With it I can null channel 2 in Denver sufficiently to ID channel 2 E skip for the first time. With the new antenna I am seeing (so far unidentified) tropo DX on Denver 2, 4, and 6 and the high band.

The several times I've attempted to DX in the middle of the night were disappointing. Most of the local Denver and Colorado Springs stations were on.

We have two 30 foot towers going up next week; the TV antennas will probably go on one of them. Doubt if the 10 foot extra height will make any difference since we're already on top of a hill. 73, Doug

Jeff Kruszka, 1900 Stevens Drive, #224, Richland, WA 99352

PDT

Equipment:  
 Sylvania 12' black and white, quad loops cut for channels 2, 3, and 5 @ 15'

I thought it worth nothing that I received my first September E skip ever:

19 Es 2139 unid channel 4 NBC 19 Es 2158 KENW 3 NM 1115

I've been spending a lot of time lately on FM - I'm preparing an ID tape of my regulars. I've found I can get a lot of 150-200 mile FM stations (Spokane, Seattle, Bend, etc.), but I can't get anything beyond Spokane and Moscow/Pullman on the TV (because of no outdoor antenna). I wish I could report some tropo, but I'm afraid I've never really seen (or heard) any here! Terrain doesn't help (mountains all around), but how do I get Seattle on FM? Multipath?

(Perhaps "knife edge refraction"? A strategically placed mountain peak in sight of the transmit tower and your receive antenna can produce the signal. fm)

Dave Sinclair, 6565 Brooks Street, Vancouver, BC V5S 3J6

PDT

Equipment:  
 Archer antennas: VHF-FM model 15-2654 on Channel Master Crown rotor 5 feet above roof. UHF model U-120 10 feet above roof. Archer amplifier model 15-1113, adj. 10-20 dB. Both mounted on separate chimneys (straps). Electrohome VCR VHS, Sony colour TV model KV1215, Philips converter model CT3600 which has separate inputs for cable, VHF and UHF, stereo.

July 1988  
 29 tr 0045 KPTV 12 OR 252 16 tr 0200 KATU 2 OR 252  
 25 Es 1100-1130 unid ch 4 (KVOS off air) Es 0230 KTVK 3 AZ 1231  
 1130 CFSS 3 SK 909 30 tr 0200 KATU 2 OR 252 27 tr 0200 KPDX 49 OR 252  
 1139 CJFB 5 SK 687 31 tr 0145 KATU 2 OR 252  
 1222 CFSK 4 SK 759  
 1258 CFQC1 3 SK 664  
 1259 CKBI 5 SK 1 tr 0200 KATU 2 OR 252  
 September 1988  
 6 tr 1655 KBSP 22 OR 288  
 1700 KPDX 49 OR 252

All channel 3 loggings override CBUT2 rebroadcaster on channel 3, Chilliwack, British Columbia, 56 miles east, 530 Watts erp. All channel 4 loggings override KOMO-4, Seattle. All channel 5 loggings override KING-5, Seattle. Distances calculated from John Comb's DX distance reports; these are invaluable.

(Dave desires to swap TV Guides, particularly eastern US and eastern Canada and would also like to hear from anyone who has had experience with stagger stacking for distance over locals and stacking for distant stations. fm)

Scott Steenhusen, 777 Silver Springs #1804, Wichita, KS 67212

CDT

Equipment:

RCA XL-100 19", rabbit ears - VHF and Radio Shack U-120 - UHF at 25 feet

July 1988	25 tr 2224	WIUMt 22 IL	PBS	25 tr 2330	WICDt 15 IL	NBC
7 Es 2020	unid ch 2	Mexico		2338	Omaha-C.B.	42,32
					KHIN	36 IA 280
August 1988					KOCRT	28 IA
23 Es 1900	WCPX	6 FL	1120	2243	WICSt 20 IL	NBC
1930	WUFT	5 FL	1025	2253	WWTOT 35 IL	(Topeka LPTV-TBN)
September 1988				2300	KXTX	39 TX 355
25 tr 2130	KDSM	17 IA	350		WAAY	31 AL 630
2200	KOMU	8 MO	270		WAFF	48 AL 630
	KDNL	30 MO	380		WZDX	54 AL 630
	KHOG	29 AR	210		KHBS	40 AR 240
	KMIZ	17 MO	270		(31, 48, 54, 40	
	KNLJ	25 MO	270		nriy snow free:	0008
2214	K.C.	19,41,50,62			Joplin 16, 26	0010
(Snow free)					Springfield MO	0030
Topeka 49					21, 27, & 33	0030
(Snow free)					Tulsa 17,23,41,47	0034
Topeka 27					(16, 21, 33, 17,	0115
(Heavy CCI)					23 & 41 nearly	
2224	WRSpt 55 IL			2330	KBSI 23 MO	435
WQRFt 39 IL					(Under KOKI-23)	

I watched almost the entire newscast on WAFF-48 on September 25 at 2300. All three Huntsville UHF's were in and out for over an hour.

William Eckberg, RR #4, Dixon, IL 61201

CDT

Equipment:

1966 Zenith b&w tube receiver ch 14N22, modified Zenith 175-1953 detented tuner. Channel Master 1110 VHF antenna. Channel Master 7 foot UHF parabolic antenna with Winegard PA4975 preamplifier on a 40' tower.

August 1988	8 tr 0450	WAGT	26 GA	695	26 tr 2340	KODE	12 MO	413
14 tr 2220	KHNE	29 NE	464	0530	WOTCt	29 AL		
16 tr 0800	KHNE	29 NE	464	0535	WUNF	33 NC	558	
0815	KSAX	42 MN	404	0550	KHOG	29 AR	463	
23 Es 1730	WPBT	2 FL	1229	19 Es 2135	KMID	2 TX	967	
1855	WBRZ	2 LA	784	21 tr 0500	KSAX	42 MN	404	
1900	WESH	2 FL	983	1900	WCOM	68 OH	359	
24 tr 0337	WKKE	55 WI	98	1930	WWAT	53 OH	368	
Es 1030	KMID	2 TX	967	2200	WLLA	64 MI	199	
	KACB	3 TX	933	22 tr 0250	WFMJ	21 OH	450	
September 1988				0300	WPGH	53 PA	491	
8 tr 0445	WQIO	19 OH	401	0445	WOIO	19 OH	401	
0450	WYTV	33 OH	450	26 tr 0700	KHNE	29 NE	464	
				2250	KSNF	16 MO	413	

There were three openings of note during August and September. On September 5, I had 700 mile tropo to the southeast. Augusta 26 and Asheville 33 were both snow free before signing on. It was a rare duct as other stations in that direction to 500 miles were weak or absent. Selma 29 is a tentative until I get some pictures back. Are they even on the air?

On September 19, I saw my first E skip ever in September. I caught the end of the opening.

The 750 mile plus tropo on September 26 and 27 was the best of the year. I received four close in stations that recently signed on also.

(I hope your pictures of channel 29 on September 2th helped. It is doubtful that it was Selma as my records indicate that the construction permit for WOTC was cancelled on February 5, 1987 fm)

Nathanial Ely, 3810 Sycamore Avenue, Madison, WI 53714

CDT

Equipment:

7 foot Channel Master parabolic, PA-4975 preamplifier, .412 hardline on 60' tower

Prior to the move from my old place almost two years ago, I spent months driving the streets of Madison trying to find the perfect combination of price, location, and house. I think I've done well as I'm as far as you can get from the locals while still remaining in the city limits. The elevation is much better than my old central city location.

I got the tower up a year ago last August, but I'm only using it for UHF. I'm using the same screened Delhi feed dish that I used on Johnson Street. I worry about wind loading and icing during the winter.

I haven't had a VHF antenna up in about two years, and I miss it. I've used one half of my 10 element channel 2-6 yagi placed in a spare room for E skip. I want a second 60 foot tower for the Quantum 1110.

July 1988	2 tr 0516	Cleveland UHF's	11 tr 0924	WOSU	34 OH	390		
5 tr 0231	KDSD	16 SD	443	0928	Cleveland U's	410		
0249	KVRR	15(MN)	449	1035	WEAO	49 OH 420		
8 Es 0900	CBFT	2 PQ	798	12 tr 0248	Cleveland	43, 61		
0902	CJBRT	2 PQ	1052	13 tr 0113	WUAB	43 OH 409		
17 tr 0214	KDEB	27 MO	447		WBX	55 OH 416		
0254	WIUM	22 IL	195	0141	WOIO	19 OH 409		
0305	KSHB	41 MO		0245	WQHS	61 OH 410		
	KPTM	42 NE			KSPR	33 MO 446		
0325	K52BH	52 IA	233	16 tr 0200	KDSD	16 SD 443		
(Ames)	LPTV-TBN)			0204	KVRR	15(MN) 449		
0349	K44AB	44 IA		0207	K19BG	19 MN 300		
(Keokuk	KIIN-12)				(St. Cloud	LPTV-TBN)		
0424	K56CA	56 MO	315	0232	K16BQ	16 MN		
(St. Louis	LPTV-ACTS)				(Brainerd	KSAX-42)		
0627	WBNA	21 KY	397		Other southern			
0628	KBSI	23 MO	392		MN KSTP xlters			
0638	Kansas City U's				WMCC	23 IN		
0725	WUAB	43 OH	409		Evansville UHF's			
	WQHS	51 OH	410		Columbus UHF's			
0800	WKPD	29 KY	414		Kansas City U's			
	Evansville	14,44			Springfld MO U's			
0840	WTVQ	36 KY	435		KMCI	38 KS 410		
	WDRB	41(IN)		23 tr 0900	Kansas City U's			
0907	WRGB	53 KY	438	0925	KMCI	38 KS 410		
1930	Cleveland UHF's			1030	K30AL	30 KS		
1933	WEAO	49 OH	420		(Toia	KTWU-11)		
1946	WBX	55 OH	416	1059	KMIZ	17 MO 340		
1948	WSFJ	51 OH	420					
2000	WNEO	45 OH	460					
2003	WCAC	67 OH	442					
2356	WPGH	53 PA	515					
18 tr 0002	WFMJ	21 OH	469					
0009	WJET	24 PA	479					
0037	WKBN	27 OH	469					
0051	WDLI	17 OH	444					
0052	WTTE	28 OH	390					
0054	WYTV	33 OH	469					
0116	WFAT	19 PA	564					
	WAKC	23 OH	423					
0443	WKBS	47 PA	589					
0500	WNYB	49 NY	528					
0510	WUTV	29 NY	528					
0526	WSEE	35 PA	479					
31 tr 0648	Cleveland	43, 61						
0822	CBLFT9	53 ON	405					
0825	CITY	57 ON	503					
0827	CBLFT8	61 ON	442					
0832	WNYB	49 NY	528					
0926	Cincinnati UHF's							
August 1988	2 tr 0514	WEAO	49 OH	429	0924	WBX	55 OH	416



Nathaniel Ely (continued)		22 tr 0007 W69BI 69 IN 160	22 tr 0042 CITY 57 ON 503
		(South Bend WCIU-26)	0050 CIII41 41 ON 503
21 tr 2350	CBLN 40 ON 404	0020 WUTV 29 NY 528	0052 WKYT 27 KY 469
2351	CBLFT17 68ON 366	WSEE 35 NY 528	0100 CBLFT 25 ON 503
2352	CBLN4 45 ON	0024 WNYB 49 NY 528	23 tr ???? Kansas City U's
	CBLN2 34 ON 366	0042 CICA 19 ON 503	24 tr 0115 W68BS 68 WI 125
			(Green Bay LPTV-TBN)

This has been the best September ever for DX at this shack. The two stations from Texas were in for hours; at times strong enough for color. The channel 34, KITU, from Beaumont, Texas is the "educational" channel the FCC gave to TBN. There was TBN programming until 0500. Then they ran a couple of NASA films and a recycled writing program from KET. Having fulfilled their educational duties, they returned to TBN programming by 0700. My stats are a mess. I've got several years of loggings to plow through. Raw log total is 591.

I hope to resume reporting on a regular basis now. 73's, Nate

(It's good to have you back, Nate. I'm sure the extraordinary DX in your report was quite an inducement to come out of reporting retirement! fm)

Michael Parks, Route 1, Box 103, Amery, WI 54001

CDT

**Equipment:**

Channel Master 1110 Quantum with Channel Master 0064C preamplifier and RG-11U at 28', Antennacraft P-7 with Winegard PA-4975 preamplifier and RG-11U at 33', Alliance HD-73 rotor, Winegard DA-8150 post-amplifier, Channel Master 7206 Hi "Q" trap, and Zenith Z1920W 19" color TV.

**July 1988**

9 Es 2159	KWGN 2 CO 766	17 tr 0034	KJMH 26 IA 322	17 tr 0426	WTMJ 4 WI 269
15 tr 0859	KMEG 14 IA 282	0035	KMTV 3 NE 340		( WCCO-4 off )
16 tr 2322	WTJR 16 IL 378	0039	WMIUM 22 IL 353	0502	WQAD 8 IL 298
2324	KYNE 26 NE 342		(In quite strong)	22 AE 0130	=CKSA 2 AB 967
	KMEG 14 IA 282	0047	KOCR2 28 IA	0133	CFAC 2 AB 1081
2330	KIIN 12 IA 259	0101	KTVit 2 MO	0137	CFRN 3 AB 1086
2343	KHIN 36 IA 318		(Too much KGAN )	27 tr 0841	KPTM 42 NE 359
2358	KPTM 42 NE 359	0114	WOTO 35 IL 331	0900	KYNE 26 NE 342
17 tr 0030	KDNL 30 MO 482	Es 0327	WSB 2 GA 908		( Had to leave -
	KNLC 24 MO 495	0420	@WESH 2 FL 1286		looked promising)

Does anyone have any suggestions on how to cut down on interference from CB and mobile radios? Until this year, I've had maybe three incidents of such interference, now it's suddenly shot up close to 100. It covers up quite a bit of the UHF band and not only wipes out the DX, but even makes local KITT-29 unwatchable. The only VHF channels it seems to bother are 5 and 8. Luckily the interference only lasts for a brief burst, but it's becoming intolerable. I've had absolutely no luck in tracking down the source. I wonder if this is the result of FCC deregulation? Have they relaxed their standards concerning spurious emissions?

Late night E skip seems to have been quite abundant this summer. It's kind of nice at that time; much less interference from competing stations. 73, Mike

Fred McCormack, 135 Prairiewood Drive, Fargo, ND 58103

CDT

**Equipment:**

VHF: Broadmoor 9" black & white, Winegard CS-4053; UHF: Teknika 6510 tuner. Winegard CH-9095, Blonder-Tongue CMA-Uc preamplifier; Alliance rotor.

What was probably a nice tropo opening was noted at my office on September 21 when, between 1145-1200, I noted UHF's with fair to excellent signals from Minneapolis (215), La Crosse (340), Eau Claire (280), Madison (440), and Chicago (570). ID's seen at 1200 were from Chicago's WCIU-26 and WYCC-20. It might have been a good morning to be at home!

The only other decent tropo opening noted during September was KDSM-17, Des Moines (385) seen at 0858 on the 23rd.

Seen for the first time on the 23rd at 0916 was KJRR-7, Jamestown, ND (93), a new on the air satellite of KVRB-15. I believe it is full power, but the antenna is low; I think 443 feet above average terrain. On a daily basis, it is not detectable here, but it has been seen well during some enhanced periods.

# EASTERN TV-DX

John F. Combs

1308 Willow Branch #24  
Jacksonville, FL 32205

THIS MONTH:  
--Goodbye, E-skip! Hello, tropo!--

REPORTS FROM TV-DXers IN AL, CT, DC, DE, FL, GA, IN, KY, MA, MD, ME, MI, MN, NH, NJ, NY, OH, PA, RI, SC, TN, VA, VT, WV, Quebec, Ontario, the Maritimes, & the Caribbean

**NOVEMBER 1988**

**NOVEMBER 1988**

A lot of very nice tropo covered the Eastern U.S. during September. Several openings brought tropo from the land of Dixie to the North, enabling DXers in the Ohio valley and Great Lakes areas to log stations from such states as TN, AR, MS, AL, GA, and LA. Roy Barstow checked in with his usual fine report, including two beffy loggings from inland NC and FL! His report kicks off this very busy month's column...

Roy Barstow, POB 488-T, Teaticket MA 02536

**AUGUST 1988**

**AUGUST 1988**

**SEPTEMBER 1988**

3 Tr 2160	WOLF-38	PA 270	27 Tr 1000	WVIR-29	VA 480	13 Tr 0001	WUNM-19	? NC	T
	WMDT-47	MD 340		1000	DC 20, 26, 32, 50		0010	WMPB-67	MD 350
	to WMGC-34	NY 275		1020	WTKK-66	VA 410	0206	VA 10, 13	NC 440
	WERZ-46	NY 275		1030	WCWV-67	VA 450	0210	WCTI-12	NC 565
	WENY-36	NY 320		1035	WVVC-56	VA 385	0400	WDEL-35	FL 1080
	2400	WICZ-40	NY 275		1045	MD 24, 54	19 Es 1137	WREG-3	TN 1130
7 Tr 2200	WBOC-16	(DE) 340					25 Tr 2300	Scranton	16, 28
	2200	WCPB-28	MD 340	4 Tr 0000	MD 24, 45, 54		26 Tr 0000	CKLT-9	? NB
	2300	WMBT-47	MD 340					0045	CBHT5-46
	2300	WHRD-15	VA 440					0115	CBHT7-52
	2300	WYAH-27	VA 450					0115	CBHT6-58
	2300	WTVZ-33	VA 440					0120	CBHT1-12?
	2330	WRLL-35	VA 450					0800	CBHT6-8
8 Tr 0008	WVRN-63	VA 450	9 Tr 0000	WVIA-44	PA 270			0800	CBHT5-46
	2000	WMPY-22	MD 360		0000	WLVT-39	PA 260	0840	CJCH7-40
	2335	WPTF-28	NC 585		0000	WOLF-38	PA 270	27 Tr 2300	Eastern PA 15, 16,
	2340	WYED-17	NC 600		0030	WNEP-16	PA 260		17, 21, 22, 27, 28, 29, 33,
	2345	Onancock	VA x11rs		0030	WLYH-15	PA 320		38, 39, 43, 44, 51, 57
	2359	WUNP-36	NC 520		0100	WCNY-24	NY 300	28 Tr 0018	WMDT-47
10 Es 1250	WTWO-2	TN 890			0200	WENY-36	NY 320		0021
	1212	KGAN-2	IA 1090		0224	WUHF-31	NY 370		WPTF-28
19 Es 2100	unIDe-2			12 Tr 1945	WMPY-22	MD 360			0045
20 Tr 2100	WITF-33	PA 325			1945	WHSW-24	MD 350		WYED-17
	2258	WLVT-39	PA 260		2000	WBFF-45	MD 350		0050
	2300	WLYH-15	PA 320		2030	WCPB-28	MD 340		WWM-32
	2305	WPMT-43	PA 340		2030	WBOC-16	(DE) 340		WDC-20
21 Tr 0041	WTVZ-33	VA 440			2030	WDC-20	(MD) 380		0100
	0041	WTVZ-33	VA 440		2100	WNUV-54	MD 350		0100
26 Tr 0008	WRLL-35	VA 450			2100	WMDT-47	MD 340		0100
	0109	WVRN-63	VA 450		2100	WETA-26	(MD) 380		0110
	0110	Onancock	VA x11rs		2130	WPMT-43	PA 340		0150
	1900	WHRD-15	VA 440		2200	Call from Steve			0204
	1900	WYAH-27	VA 450			West in PA (hi)			0245
	1940	WTVZ-33	VA 440		2230	WVIA-44	PA 270		0329
	1945	WVET-13	VA 440		2230	WFMZ-69	PA 260		0415
27 Tr 0001	WUNP-36	NC 520			2244	WVRN-63	VA 450		0430
	0050	WPTF-28	NC 585		2244	WCVE-23	VA 450		0500
	0058	WYED-17	NC 600		2244	WHTM-27	PA 340		0525
	0105	WJPM-33	SC 710		2500	WBFF-45	MD 350		0530
	0110	WBFF-45	MD 350		2328	WHAG-25	MD 400		0525
	0140	WKKA-26	NC 640		2330	VA 15, 27, 33			WUNP-36
	0200	WCTI-12	NC 565						
	0210	WTAT-24	SC 770	13 Tr 0000	WUNP-36	NC 520			

**AWESOME**

On 9/13, Eastern VA and NC were struggling to come in... then you comes WOLF-35 FL! Typical fading in & out... thought it was WRLL VA until I caught a clear line. Nothing else from FL in that morning. This state should yield many more catches to this location. I mean, if you could look at FL, level with the ocean for 200 miles, the only thing sticking up would be antenna towers!

CBHT6-8 NS makes #22 from that island. Much CCI from the still unknown shop at home station. On 9/28 after WHP-21 and WNHT-21 went to bed, WHNS-21 NC surfaced with a clear ID. My better catches come late night or early morning. A list of all-night stations would help out. (I'll consider that project for TV-CCI AIDS, Roy---jfc)

\*\*\*\*\*  
DX DISTANCE PRINTOUTS are back to their regular \$7 (U.S.) price. BUT they're better than ever! Now including all Canadian VHF over 100 watts ERP and all UHF over 1000 watts ERP, as well as all licensed U.S. TV stations (no translators). Send yer wampum to the editor at the above address, and include your geographical coordinates. Allow from 2 weeks to 3 years for delivery (just kidding, hi...)



**EASTERN TV-DX**  
**Where miracles never cease**  
 NOVEMBER 1988  
 Bob Seybold, 10567 Bennett Rd., DunRIVER, NY  
 There has been some tropes here this month. (An understatement, judging from your report. Bob!---jfc) A number of new Canadians on the air recently. All are CBC and 1D as CBLN. Most are received here daily. Now to DX (all tropes):

**SEPTEMBER 1988**  
 8th (PM) to 9th (AM): Good opening--lots of signals, but not too strong...  
 KMEG-14 IA 865 KLMH-26 IA 620 KDNL-30 MO 635 WEEK-25 IL 545  
 KJRH-18 (IL) 575 KWQC-6 IA 575 KSPR-33 MO 810 WICS-20 IL 560  
 KRIN-32 IA 640 KCCI-8 IA 735 KYFC-50 MO 835 WICD-15 IL 475  
 KHIN-36 IA 820 WHO-13 IA 735 KSNF-16 MO 890 + Chrl. Rockford, Mil.  
 KDUB-40 (WI) 575 (+ FM good to area) KSNT-27 KS T Madison, G. Bay U's

9th (PM): Surprise opening to south...  
 KLRT-16 AR 885 KARD-14 LA 1005 WOWL-15 AL 710 WMAO-23 MS 875  
 WAND-17 IL 525 WMAW-14 MS 895 WICS-20 IL 560 KHBS-40 AR 970  
 10th: Indianapolis, Ft. Wayne, South Bend, Cincinnati U's  
 11th: usual OH/IN/MI +  
 WDCV-20 (MD) 270 Madison 21, 27 515 WPBY-33 WV 315 WETO-39 TN 480  
 WCGV-24 WI 435 WCAY-30 TN 585 WKYT-37 KY 410 WHTN-30 TN 760  
 Green Bay U's 455 WLKY-32 (IN) 445 WTVQ-36 KY 410 (new calls?---jfc)

14th (PM) to 15th (AM):  
 KDNL-30 MO 635 WLKY-32 (IN) 445 + Canton, Cincinnati, Dayton, Grand Rapids,  
 WAND-17 IL 525 Lexington U's 416 Ft. Wayne, South Bend, Indianapolis, Col-  
 WFHL-23 IL 525 umbus, other MI/IN/OH area stns

15th (PM): Conditions up slightly--Dayton, Columbus, Louisville, Lexington  
 16th (AM): Weak from Dayton, WTJC-26, WLKY-32, Columbus, South Bend, WANE-15, WMCU-14  
 17th (AM): Short-lived--Columbus, WLKY-32  
 21st (PM): Band loaded, both V's and U's--close regulars down, but distant stuff good--  
 good-some channels several deep--great opening, lasted all night

VHF: Cadillac, Columbus, Cincinnati, Indianapolis, Dayton, Louisville--many chs. several  
 deep--many unIDs  
 UHF: Some of the better ones...  
 WICD-15 IL 475 WAFP-48 AL 665 WHKE-55 WI 435 WBAA-38 IN 480  
 WKPC-15 (IN) 445 WTJP-60 AL 710 Kenosha WFTO-21 AL 745  
 (rare) KDNL-30 MO 635 W6522 WI 435 WZTV-17 TN 585  
 WOWL-15 AL 710 WICS-20 IL 560 Milwaukee WCAY-30 TN 585  
 WWTO-35 IL 500 WETO-39 TN 480 KY U's 35, 38, 52, 53, + mysteries on 50 &  
 WBMG-42 AL 745 WZDX-54 AL 660 54, 57 51 to south...

22nd (AM): A number of stns still remaining, but most distant gone...

Will conclude this report although there was a good opening evening of 9-24 and mprning of 9-25, but will save for next report. In summary a good tropes month so far. (I'll say! Bob, what sort of programming did your "mysteries" have? Maybe some of us below the Mason-Dixon can pin them down for you. You and I were apparently seeing WFTO-21 at about the same time--it'd blow their minds to know that their coverage extended from NY to FL that night!---jfc)

Bob Smolarek, 156 Oldwick Road, Whitehouse Station NJ 08889  
 SEPTEMBER 1988  
 12 Tr 1900 WPTF-28 NC 406 21 0700 unID-44 CBS, a Delmarva xltr (W4440 Onancock---jfc)  
 1902 WHMM-32 (MD) 171 0706 unID-27 xltr WMDT-47 MD (No idea---jfc)  
 1906 WUNP-36 NC 335 0714 unID-14 xltr WCCB-49, believe in DE? (Right, but  
 2320 WVEC-13 VA 281 don't ask me the calls or location of hand---jfc)

I vastly improved my system with the addition of a 30db preamp. Thanks to Bill Krestschmer of North Syracuse for recommending it. You really can't get any serious DX without an amp. (Or it'll be there, but too weak to break the inherent noise in the set itself---jfc) Getting WPT-28 from Durham NC was a big thrill, and my best ever UHF catch. It was unusual for me to get that far inland. (Remember to underline new loggings, Bob. I also highly recommend a copy of the club's xltr guide, assuming there are still copies available---jfc)

Greg Coniglio, 5109 Glenwood Drive, Williamsville NY 14221  
 AUGUST 1988 SEPTEMBER 1988  
 28 Tr 1030 CBLN-40 ON 134 3 Tr 1100 CBLN1-56 ON 102 12 Tr 0703 CBLFT10-48 ON 175  
 8 Tr 0820 Tentative WHA-21 18 Tr 1200 WJBY-2 MI 237  
 2 Tr 0000 CBLN2-54 ON 175 WKOW-27 KWQC-6 IA 575 20 GW 2230 CIII17-21 ON 89  
 0051 WPTF-28 NC 406 11 Tr 0730 CFJP-35 PQ 368 21 Tr 2240 WTLX-10 MI 289  
 0057 WANE-15 IN 356 11 Tr 2344 CBLN5-20 ON 163 22 Tr 1600 WEYI-25 MI 254  
 0100 WFWA-39 IN 357 12 Tr 0652 CBLN3-54 ON 175 1625 WJRT-12 MI 271  
 0101 WKYC-33 IN 356 0701 WFTM-29 MI 141 1630 WIII4-4 ON 180  
 0130 WETA-21 IN 356 0701 WFTM-29 MI 141 2153 WBNZ11 NY 181

September was very active for tropes. Many tentatives from WI and IL were seen on the 21st, and FM from there was very active. I hope everyone got in on that super 9-8 opening... I missed most of it! Now CIII17 is very strong here. By the way, I am willing to trade Buffalo edition TWG for DXer's local editions. '88, Greg

Morris Sorensen, General Delivery, Port Carling, ON, P.O. Box 100  
 I've started TV-DXing from Port Carling, reviving an old log which I kept in nearby Hala in 1977-77. Much of my time has been spent logging new locals which have come on since 1977 and reacquainting myself with conditions in this area. Regular VHF reception here includes CKCO-2, CKFP-3, CIII17, CKO4-11, and CHA3-13. There are no real locals of UHF, although the CBLFT relay on ch. 51 from Penetanguishene (I think you mean the CIBC relay, Morris?---jfc) is in weakly mid of the time. Good luck getting in, Morris, and let us know when some really good DX visits Port Carling---jfc)

**EASTERN TV-DX**  
 David M. Dunn, 4958 Arbor Village Dr., Columbus OH 43214  
 SEPTEMBER 1988  
 21 Tr 2155 WCIU-26 IL 275 22 Tr 0440 unID-17 WPGH TP  
 2225 WCFC-38 IL 275 0633 WNDU-16 IN 200  
 + other stns in OH and KY in this opening...  
 I joined the WTPDA in the Spring of this year. About this time I bought a Radio Shack corner-yagi UHF antenna. I haven't DXed much, but at first I pulled in quite a few stations (on UHF) in Ohio, and a couple in Kentucky. The TV that I am now using is a 15-year-old solid-state (about 15" screen). I have a newer TV, but this one seems to work just as well most times. The other evening morning there seemed to be some skip (I'm not too well-versed on these either, although I believe it must have been tropo). (Right---jfc) So I will list these, for what it's worth. (Welcome to the WTPDA, David. Please report often. Your WPGH-53 xltr on ch. 17 really baffles me. I can't find a listing for it, but maybe someone knows about it and can enlighten us---jfc)


Es also on these dates (no IDs): 7/28 PM, 7/30 AM, 7/31 AM, 8/1 PM, 8/3 PM, 8/10 AM, 8/11 AM, 8/11 AM, 8/22 PM, 8/22 PM. Not listed unless very strong are the NC stations WTVD-11, WRDQ-16, WYED-17, WLFL-22, WPTF-28, WUNP-36, WKFT-40. On 8/15 a line of severe thunderstorms moved through the area from 1730 to 1900. Tuned in at 2043--locals on 20, 26, 32 off air. Returned to air the next day.

David M. Dunn, 4958 Arbor Village Dr., Columbus OH 43214  
 SEPTEMBER 1988  
 21 Tr 2155 WCIU-26 IL 275 22 Tr 0440 unID-17 WPGH TP  
 2225 WCFC-38 IL 275 0633 WNDU-16 IN 200  
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Robert S. Ross (VE3VFC), Box 4373, Station C, London ON N5W 5J2  
 JULY 1988 AUGUST 1988  
 9 Es 1958 KGPE-2 ND 880 7 Tr 2108 CIII17-7 ON 29 GW 2023 CBLN-40 ON  
 25 Es 2053 KJRH-1 OK 305 15 Tr 2329 WXKT-21 NY 185 30 Tr 2155 CBLN1-56 ON 60



WKBW-TV



22 WTV

**CBS @ WIVB 4TV**  
39

EASTERN TV-DX		NOVEMBER 1988	
John F. Combs (N4SFS), 1308 Willow Branch #24, Jacksonville, FL 32205 (904) 389-2451		SEPTEMBER 1988	
SEPTEMBER 1988		SEPTEMBER 1988	
3 Tr 1340	WATQ-26 FL 22 Tr 0929	WTKA-26 NC 334	23 Tr 0852
Daytona Beach	0952	WTVX-34 FL 233	W67BJ GA 120
13 -- Antennas now on roof!	1000	WXTX-54 GA 239	0852 unID-67 CCI to 1
0125	WJHG-7 FL 221	1000	WVEU-69 CA 285
0915	WLTX-19 SC 267	1002	WSWS-66 AL 263
0915	WMGT-41 GA 201	1004	unID-56 0 to WAYK Miami
0926	W67BJ GA 120	1004	WJSP-28 GA 249
(Savannah TBN)	1004	WACS-25 GA 202	0928
2255	SC 19, 23, 25	1011	WTVM-9 GA 228
0136	WLTZ-38 GA 239	1025	WDHN-18 AL 223
0136	WATL-36 GA 286	1025	WGTO-43 AL 241
0136	WTBS-17 GA 286	2325	WTVX-34 FL 233
0235	WHNS-21 NC 341	2325	WFLX-29 FL 272
0236	WMAZ-13 GA 201	2325	WXEL-42 FL 272
19 Tr 2110	WCEU-15 FL 2330	2330	WLTV-33 FL 313
New Smyrna Beach	2330	WDFS-23 FL 312	24 Tr 0640
2110	WTVX-34 FL 233	2330	WDZL-39 FL 312
20 Tr 2318	WTVX-34 FL 233	2338	SC 19, 23
21 Tr 0007	WLTV-23 FL 313	2026	WHNS-21 NC 341
22 Tr 0057	WLTZ-38 GA 239	0059	WEEF-38 VA 497
0057	WTTQ-21 AL 370		2-minute duct!!!
0100	WBMS-42 ? AL T		(See note #1)
0100	WRBL-3 GA 228	0111	WSPA-7 SC 337
0158	WDBB-17 AL 399	0848	SC 10, 19, 23, 25, 27, 35
0220	WCOV-20 AL 304	0848	WRET-49 SC 316
0232	WAKA-8 AL 325	0848	WTVX-34 FL 233
0233	WSPA-12 AL 287	0851	WATL-36 GA 286
0241	WKAB-32 AL 308	0851	WVEU-69 GA 285
0845	SC 10, 19, 23, 25, 35	0851	WXEL-42 FL 272
0845	Columbus 3, 38	0851	WACH-57 SC 266
0845	Maroon U's 201	0851	WPCQ-36 NC 346
0856	WATL-36 GA 286	0851	WUNG-58 NC 346
0856	WNEH-38 SC 282		

# FOR AM BROADCAST BAND DXERS!

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3-HOLE RING BINDER PUNCHED

How to Use the Log

HOW TO USE THE NRC AM RADIO LOG:

● Example of Log Record:


OP NARC Jackson MI 03 250 1000 0900/514 AT 08/07/88 N (PK[2100-2400] Add 1000 n154)  
C1060-8400 P.O. Box 24, 4802

First Line, First Column: Station Status:

AP = Application; someone, somewhere has applied to the FCC for a change to an on-the-air station (AP-UT 1000/1000). Application information can be found under the Station Status information section, (2nd line, 4th column). This is the first step in the process, if the FCC agrees, then construction permit.

## NRC AM RADIO LOG

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**Note #1:** Shortest-lived duct I have ever seen! From no signal to very readable to no signal again lasted about 2 minutes. Fortunately (and contrary to what usually happens), this coincided with their ID (Winning Every Family for Christ).

**Note #2:** Acted like an LPTV, but very strong signal peaking NE. At 0606 noted lecture by the inimitable Dr. Gene Scott, 0703 supered "SAT W5 CHANNEL 32" for a second or two (Dr. Scott is on Westar 5, from what I've found), 0721 end one Scott tape, immediately start another, 0753 abrupt end to tape (in mid-sentence), 10 seconds dead air, then start "Success in Life" broadcast, but without opening titles or music. No IDs at all. The sheer strength of the signal (local quality at times) makes an LPTV less likely. There is, I believe, a ch. 32 CP held in Myrtle Beach SC, and this might have been the result of a sloppy engineer's testing. Contacting Dr. Scott's HQ for affiliate information led to a bizarre phone conversation, the gory details of which will be in Bill Fabner's column! Any DXers in the Southeast that have a clue to this weird unID please write/call!

After 6 months of wheeling and dealing with my landlord, I received permission to mount some TV-DX antennas on the roof of my building (about 30' AG). Because of his fears of wind damage, I agreed to keep the antennas small, and am using the same set-up I had indoors: a 4-bay UHF with AC-4999 preamp, and a small all-channel "mobile-home" type log for VHF. I do plan to replace the latter with a VHF-only antenna with more gain, but have to keep the overall size small. Any ideas? Scatter on UHF now as far as Tampa and Augusta. Got antennas up just in time for some nice tropo, including the first tropo to northern AL since coming to Jax. This tropo shot me past the 250 stations logged mark, and my totals are now: 252 total stns, 12? UHF, 12 xtr/LPTV, 79 Ec, 1 MS, 30 U.S. states + DC, 2 Canadian provinces, 2 Mexican estabos, and 3 other countries, for a total of 38 political units. (I know, this information should be in the Statistics column, but there hasn't been one for months, and every time I send info to it, it's long outdated by the time it finally appears...)

**FAMOUS LAST WORDS** CANADIAN CALL LETTERS. I am now using call letters for Canadian repeaters as they appear in an official printout recently obtained from Communications Canada.

The most confusing situation seemed to be the CICO/CICA repeaters as some take the CICA calls and others CICO, and in a few cases, two repeaters are on the same channel. For example, CICO ch. 18 London is CICO18, but ch. 18 in Peterborough is CICO74! Believe it!

**STEREO/SAP LOGGINGS:** For those who have stereo DX sets, you may now if you wish indicate any loggings received in stereo with a \$ or with a Separate Audio Program (SAP) with a +. See Bill Kresten's report for an example. Several reporters have requested signal strength info to be included with loggings, ranging from a revival of the old VAFI system to a variety of new ideas. I feel that including too much information with each logging will compromise its readability, so no such info will be used in the column.

**A BRIEF EDITORIAL:** In response to Bruce Eving's discussion of his own "DX Constitution" (10-88 VUD, p. 7), I reiterate that reporters are free to use any guidelines for counting and logging stations for their own purposes, but for reporting to this column, please abide by the club's guidelines (see 8-88 VUD, p. 48) for the sake of uniformity. Along those lines, I question whether WREN-40 can be counted as a new station since the owners (CBF) and xtr remain the same, and only the programming and network have changed. Still, I have yielded to popular sentiment and listed them as new. I don't feel, as Bruce apparently does, that uniform standards for a column take the pleasure out of the hobby. I, like Bruce, am not judgmental if your personal guidelines differ; I only want reporters to the column itself to use the same standards/format. Still, friends? It's been real--RUB



# PHOTO-NEWS

NOTE

PHOTO-NEWS  
POST OFFICE BOX 155  
CLARENCE, NY 14031-0155

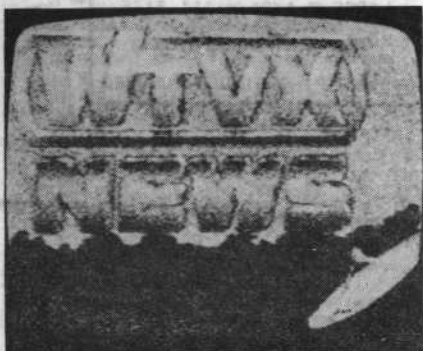
NOVEMBER

1988

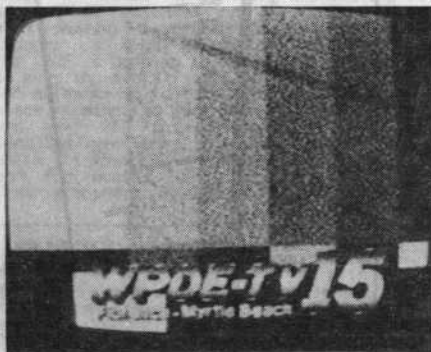
John F. Combs - Jacksonville, FL sent in the following fotos from his DX-pedition to: Black Rock Mountain State Park in northeast Georgia.



WCJB-20  
Gainesville, FL  
375 mile tropo  
seen May 18, 1988



WTVX-34  
Fort Pierce, FL  
565 mile tropo  
seen May 18, 1988



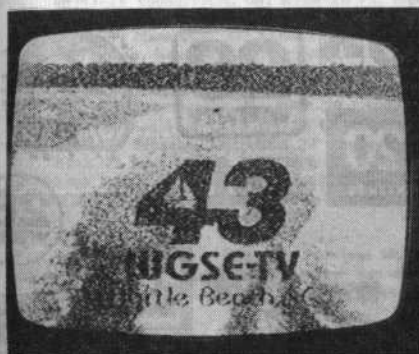
WPDE-15  
Florence-Myrtle Beach  
South Carolina  
269 mile tropo  
seen May 21, 1988



WAWS-30  
Jacksonville, FL  
336 mile tropo  
seen May 21, 1988  
"a toughie with WPBA and WNSC both regulars  
on the channel"

# PHOTO - NEWS

John F. Combs DX-pedition fotos continues.....

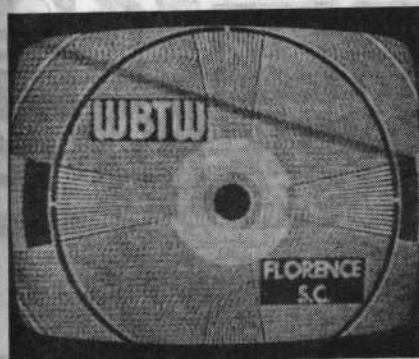


WGSE-43  
Myrtle Beach, SC  
269 mile tropo  
seen May 21, 1988

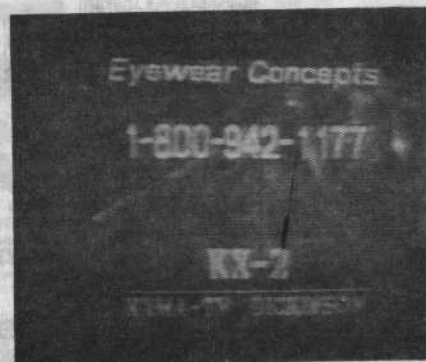


WNFT-45  
Jacksonville, FL  
337 mile tropo  
seen May 21, 1988

Randy Miltier - San Jose, California checks-in with some E-skip catches seen in mid season.



WBTW-13  
Florence, SC  
235 mile tropo  
seen May 22, 1988



KXMA-2  
Dickinson, ND  
1169 mile E-skip  
seen June 4, 1988  
at 1434 PDTime

[more to come from Randy in Decembers]



# QSL CORNER & LOGOS RUN



THOMAS J. YINGLING, JR., KA3TCC  
221 PINEWOOD ROAD  
BALTIMORE, MD 21222-2345



**23 WAKR-TV**  
Akron/Canton



**24 WPTY**



**20**  
KTXH-TV



**24**  
WCGV-TV



**28**  
WBRE

**27**  
WKOW-TV

**24 WHERE THE STARS SHINE**  
WCGV-TV MILWAUKEE

**WLVN 23**  
LO NUESTRO



**28**  
KAYU-TV

**WVah 23**  
Charleston/Huntington  
Take a turn for the best



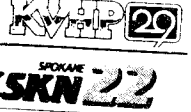
PHILADELPHIA

TRAVERSE CITY **WGTV • WGTV** SAULT STE. MARIE



**23 WXXA-TV**

**26**  
WCU-TV



**TV 26**  
KRIV



**29**  
WVIR-TV CHARLOTTEVILLE



**27**  
WKBN-TV YOUNGSTOWN



**23**  
WIFR-TV

**24 EXPRESS NEWS**  
5 & 10PM NIGHTLY

**20**  
WUTR-TV UTICA/ROME



**22**  
WSBT-TV

**KAMC/KMCC**  
Lubbock 28 Clovis 12

LOOK TO THE  
**Leader 22**  
WWLP-TV

This month it is back to the Logos part of this column after missing it a few months. Due to my time not be able to do the Logos and time on the radio on 10 meters looking for dx. So this month the Logos come from the channel 20 range. Take one note about the column is that some of the logos are no longer used, some call letter changes, and that some new stations have come on the air. Also I will be needing some more logos soon. So look at your latest tv guide for all the new fall shows, and send me the logos. Now on to the logos.

WFMJ 21 Youngstown, OH; WBBH 28 Ft. Myers, FL; WPTF 28 Durham, NC; WFLA 22 Raleigh, NC; WAKR 23 Akron, OH; WPIV 24 Memphis, TN; WKOW 27 Madison, WI; WCGU 24 Milwaukee, WI; KTXH 28 Houston, TX; WBBE 28 Wilkes-Barre, PA; WVAH 23 Charleston, WV; WGTU 29 Traverse City, MI; WFTS 28 Tampa, FL; WLTU 23 WTAJ 29 Philadelphia, PA (now WFTX 29 ?); KAYU 28 Spokane, WA; WLTU 23 Miami, FL; WECR 27 Tallahassee, FL; WYAH 27 Portsmouth, VA; WKMA 23 Albany, NY; WCIU 26 Chicago, IL; KUHP 29 Lake Charles, LA; WATU 26 Augusta, GA; KRIV 26 Houston, TX; KOKH 25 Oklahoma City, OK; WFLX 29 West Palm Beach, FL; KTXH 28 Houston, TX; WKBN 27 Youngstown, OH; WVIR 29 Charlottesville, VA; KTXA 21 Fort Worth, TX; KMPH 26 Visalia, CA; WIFR 23 Freeport, IL; KPOM 24 Fort Smith, AR; WUTR 20 Utica, NY; WFMJ 21 again; WHP 21 Harrisburg, PA; WSBT 22 South Bend, IN; KAMC 28 Lubbock, TX; WWLP 22 Springfield, MA.

### QSL's

WY KLMC 4 Riverton, Central Wyoming College, zip 82501. Letter & photocopy of qsl report, from bob Connelly, Eng. Also mentioned that I was the furthest reporter to date, "Our previous dx chap was in Illinois." Reply in 21 days. (Sittle)  
EA WBBJ 194.3 Augusta, P. O. Box 2066, zip 30913. Letter and coverage map from George C. Weiss, Pres. in 6 days. (Sittle)  
ID KEZE 96.1 Idaho Falls, P. O. Box 1549, zip 83403-1549. Letter, info sheets, coverage-map from Jay Eubanks, GM in 16 days. (Sittle)  
LA KIBS 3 Shreveport, P. O. Box 44227, zip 71104. Postcard verie from Drew (?) Hendricks, CE in 6 days. (Sittle)  
LA KIUU 4 Sioux City, 3125 Floyd Blvd., no zip. Post card verie from Dale D. Russell, OP-UP in 13 days. (Sittle)  
IN WYHY 107.5 Lebanon, 810 Division St, zip 37203. Letter, folder with coverage-map, 4 bumper stickers, 2 radio guides, 3 balloons, picture of Morning Zoo, can insulator, suntan lotion, squeeze bottle, plus advertising stickers all in 14 days from Cameron Adkins, CE (what alot of stuff to send! ed.) (Sittle)  
OK KECC 96.5 Elk City, P. O. Box 945, zip 73648. Letter said that I was the furthest reporter so far, send 2 bumper stickers, coverage-map, and other stuff in 6 days from Robin Dykes, Announcer/Traffic. (Sittle)  
ND KWSE 4 Williston, % PPI, 207 N. 5th St., Fargo, ND zip 58108-3240. Return of qsl report, with fill in-the-blank verie signed by R. Bruce Jacobs, Dir. of Eng. in 13 days. (Sittle)  
KS KDEZ 92.3 Newton, P. O. Box 567, zip 67114. Letter, coverage-map, and a Wichita area dial card from Robin McDaniel, CE in 7 days. (Sittle)  
FL WUEI 89.1 Gainesville, University of Florida, zip 32611. Long, friendly letter from Carrette T. Wood, CE. "The station is also using the Magnum FT-101 tuner with very favorable results." He also mentioned that the station was on an e-skip from London, Ont. (Ross?) "Your identification of our subcarrier services puts you in a class of your own. Truly an impressive task...I am truly astonished that the mere 9% injection of this subcarrier into the total modulation of the station's signal could be picked up so far away." He also send a mug, bumper sticker, program guide & log for the date I heard the station. (Elving)  
GA WHI2 94.3 Martinez, % P. O. Box 11594, Augusta, GA 30917-1594. 2 page letter from Jim Taylor, CE. He says they play records, no tapes, no automation. "Your dx listening is quite a mindfull of old days when radio enthusiasts listened to the broadcast to see how far they could hear, and what new stations they could hear. Then and now radio stations depend on swl reports to ascertain their coverage. It is obvious your equipment works well." (Elving)

That's all for this month. Reporters were Matt Sittle & Bruce Elving. Remember send in qsls with addresses, logos from your latest tv guide, and meet you on the air on 10 meters on 28.370Mhz. at 0000gmt Tuesdays & Fridays during the local 10-10 Net meeting. 73's KA3TCC



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**BUFFALO BILL**  
HIGHWAY  
Lookout Mountain, Colo.  
Antenna  
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Thanks for your report!  
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