

Compiled by John O. Broomall, Route 1, Broomall Trail, Waleska, GA 30183
 Please use the following format in submitting your claimed records: Channel, call, state, verie
 code, distance, and initials of record holder(s). Codes: L = letter, card QSL, P = photo verie,
 T - videotape verie, underlined = station verifies as record (if DXer name not supplied then the
 city/state of the logging is given). § = topped previous listing. Loggings with no codes are
 unverified. The record for each channel, is listed first; stations listed with current calls.
**NOTE - IF YOU HAVE LOGGED A STATION AT 700+ MILES WHICH IS NOT LISTED, PLEASE
 SEND IT IN !! (Or anything topping the following!)**

14 KARD LA, P 877 BD §; WABW GA, 1947 BD §. 15 WLYH PA, 748 JK; WPMI AL, 700 FM
 JK; WTAP WV, 493 JK. 16 WAPT MS, 895 BD; WQEX PA, 778 FM; WNEP PA, P 776 JK; KLRT
 AR, 727 BD; CBLFT23 Ont, 600 JK. 17 WMAU MS, 925 BD; WTBS GA, 768 BD; WPHL PA, 705
 BD; WNED NY, 663 JK; WUNE NC, 570 FM JK. 18 WLEX KY, 872 FMF; KLRU TX, P 806 JK;
 WMAV MS, 715 BD; KJTL TX, 617 JK; KLT LA, 708 JK; WCLP GA, 693 BD §; CICO Ont, 513
 FM. 19 WXIX OH, 816 FMF; WCDC MA, 728 BD; WFAT PA, 611 JK.

20 WCJB FL, 890 FM JK; WCOV AL, 848 BD §; WICS IL, L 836 FMD; KTXH TX P 799; WDCA
 DC, 735 JK. 21 WTTO AL, 768 BD. 22 WYOU PA, 777 JK; WYNY VT, 707 BD; WPTT PA, 579
 JK. 23 WMAO MS, 781 BD; KOKI OK, 752 FMF; KBSI MO, L 751 FMF; KOKI OK, 725 BD; WNJS
 NJ, 705 BD. 24 WHTV MS, 852 BD; KVUN TX T 806; WTAT SC, P 802 JK; KPOM AR, 734 BD;
 WNPB WV, 582 JK; WJET PA, 564 JK; WFMJ OH, 530 JK. 25 WACSGA, 900 BD; KOKH OK, 820
 BD §; KXXV TX, 730 FM; WHAG MD, 677 JK; CBLFT1 Ont, 622 JK.

26 KRIV TX 1117 BD § (logged 3 times); WGNO LA, 1030 BD §; WTWS CT, 951 JK;. 27 WKYT KY,
 L 1112 FMD; WKBN OH, 529 JK; WTCT IL, 475 BD §; 28 WFTS FL, 996 FM JK; WBRE PA, P 776
 JK; WTGS SC 875 (Cape Cod MA); WJSM GA, 853 BD §; WPTF NC, 743 BD. 29 WMAA MS, 865
 BD; WTAFA PA, P 814 JK;

30 WVIT CT, 932 FM JK; WHNB CT, 767 BD. 31 WMBD IL, L 792; WWPB MD, 678 JK; WTSG
 GA, 300+ (South Florida); 32 WLKY IE, L 1041 FMD; KTAB TX, P 751 JK; WKAB AL, 613
 JK; WNEG GA, 115 TW; 33 WRBT LA, 1002 BD §; WCFT AL, 791 BD; WETK VT, 707 BD; KMSS
 LA, KDAP TX, 645 FM; 568 FM. 34 KGMC OK, 820 BD; WOSU OH, 833 FMF; WTVL PA, 820
 FM; KGMC OK, 782 FMF; WMGC NY, 773 JK.

35 WOFL FL, T 983 FM JK; KRRT TX, 881 JK. WRLK SC, 209 JK; 36 KTVV TX, L 806 FM
 JK; WPCQ NC, 736 BD; WENY NY, 720 FM. 38 KJTM AR, 754 BD; WNOL LA, 727 FM; WLTZ
 GA, 642 FM JK; WNEH SC, 138 JB; 39 KHTV TX, P 1117 BD § (logged three times); KXTX TX,
 987 FMF; WLVT PA, 800 JK; KMCT LA, 566 FM; WETO TN, 433 FM JK; WHTN TN, 350
 (Enterprise, AL).

40 WICZ NY, P 773 JK; WHMA AL, P 762 BD; KPPW AR, P 734 BD; WPCB PA, 577 JK;
 CBLFT9 Ont, 513 JK. 41 WXTV NJ, 874 JK; WUHQ MI, L 871 FMD; KGCT OK 751 FMF. 42
 KVBO TX, L 806 JK; WBMG AL, P 768 BD; WEIQ AL, 697 JK. 43 WMOD FL, L 1006 FM JK;
 WGIQ AL, 893 BD §; KAUT OK, 820 BD §. 44 WEVV KY, L 779 FMF; WVIA PA, P 775 JK;
 WJTC FL, 706 FM JK; WNAL AL, 515 FM JK. 45 WBFF MD, P 747 JK; WNRW NC, 699 BD §.
 46 WERZ NY, 775 FM; KNCT TX, 761 FM JK; WLYJ WV, 558 JK. 47 WMDT MD, 745 BD; CFMT
 Ont, 621 JK; WKBS PA, 620 JK; WSBVA VA, P 587 BD §. 48 WCET OH, 1800 (Hollywood, CA);
 WKBS PA, 705 BD; WGGT NC, 672 FM JK; WNTZ MS, 619 JK. 49 KLTJ TX, 645 FM.

50 WFTY DC, 736 JK. 51 WTVE PA, P 777 JK. WBSF FL, 370 JK; 52 WTGL FL, L 1006 FM
 JK; WNJT NJ, 844 FM; WMSY VA, 554 JK. 54 WZDK AL, 1000+ (Maine); WLIQ NY, 930 JK;
 WTBY NY, 872 FM JK; WNUV MD, 745 FM JK; WQLN PA, 565 JK; WXTX GA, 132 JB; 55 WLIQ
 NY, 934 JK; WIYE FL (Birmingham, AL). 56 WALF PA, 773 FM. 57 WCFE NY, TL 902 JK;
 WGBS PA, 817 FM; CITY Ont, 622 JK. 58 WNJB NJ, 849 JK.

60 WGOT NH, 1000 FM; WHSP NJ, 841 JK; WTJP AL, 113 JB; 61 WTGI DE, 814 JK; CBLFT8
 Ont, 560 JK. 62 KZKC MO, 637 JB; 63 WSJT NJ, T 830 FM JK. 67 WHSI NY, 928 JK; WMPB
 MD, 742 JK. 68 WHSE NY, 878 JK. WWT NY, P 875 JK; WCAJ AL, 768 BD §; 69 WFMZ PA,
 800 FM JK; WVEU GA, 581 FM JK.

70 through 83 will only list the channel record, not each of several thousand translators and
 LPs. Submit 400+ mile candidates, only one per channel. 72 W72AR 600 BD.

JB = John Broomall, Waleska, GA; BD = Bill Draeb, Kewaunee, WI; JK = Jeff Kadet, Malcomb,
 IL; FMD = Frank McCormack DeLacs; FMF = Frank McCormack's Fargo loggings; FM = Frank
 Merrill, Malcomb, IL (3 - logged in Holland, IL.); TW = Tracy Wood, Hepzibah, GA.

AMATEUR RADIO

TV

PART #2 BY MIKE STONE, WB0QCD

EDITOR/PUBLISHER SPEC-COM JOURNAL, UNITED STATES ATV SOCIETY

I read every VHF-UHF DIGEST issue from cover to cover and continue to marvel at how devoted you TV-DX buffs are about monitoring and recording long distance, commercial video signals. Every time I show some copies of your Journal to other "HAM'S", they are amazed at the distances logged and the equipment used.

After my first article was published here about AMATEUR TV OPERATIONS, I received a number of letters from WORLDWIDE TV-FM Association members interested and asking for more details. This short article will address some of those questions. I might recommend a couple books which have been published on the subject. "EVERYTHING YOU ALWAYS WANTED TO KNOW ABOUT ATV" but were afraid to ask" is a 112 page thick manual all about Amateur Radio TV and How to Build up Your Very Own TV Station. It covers everything from the mystic of the video signal itself, proper lighting techniques, cameras, receivers and transmitters, repeaters, etc. This technical guide book regularly sells for \$9.95. Assuming I would get a fair amount of orders from WTFDA members, I would discount it to \$8.95. The other book just released at the Dayton Hamvention (the world's largest commercial booth and electronic flea market show put on by Haas each year in late April) is "The 1987/88 NORTH AMERICAN USATVS ATV DIRECTORY". It is 68 pages, has a nice glossy hard cover and has several very basic articles about HAM-TV operations along with maps of active areas, dozens of pictures of HAM-TV'ers operating in the "studios", a listing of over 70 ATV CLUBS and GROUPS, a listing of over 100 ATV Repeater systems in the U.S.A. and a 1,000 plus name and call sign USATVS membership directory. This book sells for \$6.95. Please add \$1.00 per book ordered. Order both for a further discounted \$14.95! You must mark WTFDA on the outside of your envelope or with your order request to get these special prices. Send your order to my home address.

HAM-TV operation must be broken down into two kinds of television signals. 1. Slow-Scan TV is the sending of still-framed picture images in black/white, color or high-resolution formats. You can send this type of TV picture literally anywhere in the world. A lot of "shortwave radio" enthusiasts have SSTV converters to intercept these pictures for their own viewing enjoyment. You can hear these SSTV operators "talking" on frequencies like 14.238 or 28.680 Mhz. on the 20 and 10 meter Amateur Radio bands respectfully. Saturdays is a good day to listen as there are several NETS conducted sending these type of pictures. The neat thing about these types of TV pictures is that they can be captured and stored to regular audio tape (or computer disk) very easily. Slow-Scan TV converters are expensive. Recently, some computer software has been developed to copy these pictures on the screen of a home personal computer at reduced resolution. There are some very good programs for the Commodore 64/128, Apple, IBM and Atari computers that require a fairly simple, built-up interface unit. Those who own the popular Radio Shack TRS80 Color Computer can use a program called "SLO-SCAN" that requires absolutely no interface unit at all! All you need do is to run an audio wire from your shortwave receiver to the cassette port in the computer. For more computer software information on SSTV and similar FAX programs, send a legal size SASE (self addressed stamped envelope) to SPEC-COM SOFTWARE, P.O. Box H, Lowden, Iowa 52255.

2. The other type of HAM-TV of which you most likely will be interested in over SSTV is called Fast Scan TV. Fast Scan TV is given that term mainly to distinguish it from SSTV. Fast Scan TV by Amateurs utilizes the same NTSC 525 line standards as commercial broadcasters. We have the same receivable pictures on a home TV set, we run color and have sound produced on the 4.5 Mhz. FM audio subcarrier. First, in order to transmit Fast Scan TV (or SSTV) - one must have passed code and theory tests given by the F.C.C. One must have a valid F.C.C. Amateur Radio license and assigned call letters of a Technician Class or above. THERE IS NO LICENSE REQUIRED HOWEVER TO "WATCH" HAM-TV SIGNALS! With a simple magic box called a "downconverter", your TV set is fooled on channel 2-4 into receiving the Amateur Radio UHF band (420-450 Mhz.). Yes, a good antenna is needed and preferably you have some low-loss coaxial cable to carry the signal. Some TV sets allow their UHF tuners to go down just inside the band edge of where HAM-TV operates. We are just below Channel 14 on your UHF dial. The most popular operating frequency across the nation is 439.25 Mhz. It is possible, if you live within a few miles of an active area or ATV Repeater system, that you can pick up these signals directly. Most ATV'ers also talk on 2 Meter VHF frequencies while they are sending UHF pictures. Many different frequencies are used across the U.S. for this purpose. The NORTH AMERICAN ATV DIRECTORY book explains this in great detail. 144.340 Mhz. FM is a popular frequency used by DX'ers throughout the midwest when the band is up and long distances can be covered. Your scanner, if it has 144-148 Mhz. receive capability, can be programmed to receive these signals. A regular HAM-TV'ers NET is held every Tuesday evening on 3.860 to 3.870 Mhz. with an EARLY NET at 8 pm. (eastern time) and a LATE NET at 10 pm. NET controls are in Findlay, Ohio, Suater, South Carolina, Lowden, Iowa and St. Louis, Missouri. You'll need a long outside

wire to hear that frequency the best.

What do Amateur TV operators send over-the-air? Just about anything that is not illegal or commercial. No, we cannot send the production of STAR WARS or PEE WEE's latest adventure. You will see us sitting in our studios, talking to each other, showing new gear, construction projects, dog tricks, members of the family, home made movies via a VCR, etc. Some have very sophisticated gear that can do wipes, fades, overlays, windows, chroma keying and other special effects. Most are running color pictures. The ATV Repeater systems are places built up by and sponsored by local ATV Clubs that are placed in high locations of a city (or between several cities) so that all can point their antennas to a single location and everyone can watch everyone else at the same time! Our repeater system has a remote transmitter mode of which we 20, yes 20 viewable window channels. These channels can be switched from home by means of telephone type touchtones sent over the radio circuit channel. We select Color Weather Radar, live cameras in TV newsrooms (KQVC-TV Davenport), an outside color camera that is 200 feet in the air over looking the greater Mississippi Valley between Illinois and Iowa (all rotatable with pan and tilt of course), commercial games, FM Radio station "disk jockey feeds" and many others.

Want to see one of the most "elite" Amateur Radio TV setups in the country on videotape? Would you like to "see" how some of these hobby TV transmissions are sent and what gear is needed to transmit and receive it? Don't rush us for a quick return date, but if WFTDA members will send my friend Henry Ruh KB9FO in the Chicago area, a "quality" (name brand - no junk types that clog up heads) blank 2-hour VHS tape and return postage (or \$2.00), for \$30.00, he will duplicate some material off for you of our system in Davenport and elsewhere. Mark "WFTDA HAM RADIO TV TAPE" on your orders and don't bug him to get it back quickly. It will take 2-3 weeks for most orders. Henry's address is 540 East Oakton, Des Plaines, IL. 60018.

A good place to get ATV "downconverter" receivers or perhaps at first some literature and prices about them is from WYMAN RESEARCH, P.O. Box 95, Waldron, Indiana 46182. Don and Sue Miller will be glad to answer any and all questions. State to them right from the beginning, that you are not a HAM but would like to try and watch HAM-TV operations. Don is pretty well familiar with most areas of activity in the country. There is another good manufacturer out in California but he does not deal with non-Amateur Radio operators except overseas.

If any of you get 73 AMATEUR RADIO MAGAZINE, they have a monthly "ATV" column that I edit each dealing with many HAM-TV subjects. "73" can be found at any large newsstand in the Radio and Electronics sections.

Included with this article, are some "off-air" TV pictures of a recent "air-mobile" special event in Ohio. The pictures shown are the ones that the aircraft, flying over 1,500 feet and in an 85 mile radius of Bucyrus, Ohio. HAM-TV is real "fun". Not too many of try to do the "News or Weather" but we do have our "bloopers"! Speaking of BLOOPERS, here is another offer that many of you devoted TV nuts won't be able to pass up! Send \$50.00 to Henry Ruh mentioned above. He will make a copy of our 5-year assembled COMMERCIAL TV BLOOPERS that would make Dick Clark and Ed McMahon blush! This collection is not for the serious church go'ers fellas. If you want some heavy laughs - this tape is for you. It was made up from commercial TV broadcast station personnel who have sent Henry and I blooper material over the years. SIX HOURS of material is compiled on one tape so you had better have the extended play speed mode on your VCR. When your tape arrives, get a group of your friends over for a full night of exciting TV entertainment!

Well, TV buffs - that is it for this installation about Amateur Radio TV. Should you need more information, I would suggest a \$20 per year subscription to THE SPEC-COM JOURNAL. Until column #3, "see you on the tube"! -Mike Stone WB0QCD

(PART 1 CAN BE FOUND IN THE MAY 1986 ISSUE OF VHF UHF DIGEST...
THIS ISSUE FEATURES PHOTOS OF HAM TV SIGNALS, AND IS AVAILABLE
FOR \$1.25 AS A BACK ISSUE FROM WFTDA CLUB SUPPLIES)



QSL CORNER & LOGO'S RUN

Thomas J. Yingling, jr.
221 Pinewood Road
Baltimore, MD 21222-2345
Phone # 1-301-282-5649

TV & FM QSL's

TX KJYY 94.5 Houston, 5953 W. Alabama #410, zip 77058. Letter in 1 month from Marc McDonald.
TX KHNZ 88.1 Allilene (?), 542 Butternut, zip 78602. Letter in 1 month from John Scaggs, Eng.
NFD CBNN 90.3 Marystown, % Box 12010, Station A, St. Johns, NFD zip A1B 3T8. Senda CBC folder qsl card in 2 weeks.
LA WKUN 103.2 Hammond, % 3029 S. Sherwood Blvd., Suite 200, Baton Rouge, LA zip 70818. Letter in 1 month from George Webb, CE
OH WOSU 89.7 Columbus, Ohio State University, 2400 Olentangy River Rd., zip 43210-1027. Prepared card returned, signed by L. Reynolds in 1 month.
OH WOSE 94.5 Port Clinton, P. O. Box P, 2104 State Rd., zip 43452. Letter in 1 month from Rick Cruz.
IN WBNI 89.1 Fort Wayne, 2000 N. Wells St., zip 46808. Letter in 1 month from Mike Verable.
OH WVKU 91.7 Cincinnati, Alter Hall 11, Xenier University, zip 45207. Letter in 1 month from Dr. Jim King.
OH WLWQ 96.3 Columbus, no address given. Reply in 2 weeks, signer was James Ary, (?), CE.
KY WEKY 88.9 Richmond, & KY WEKH 90.9 Hazard, East Kentucky University, 102 Perkins Bldg., Richmond, KY zip 40475-0961. Letter in 2 weeks for this simulcast broadcast, signer was Loy Lee, CE.
NY WRLT 96.9 Buffalo, 484 Franklin St. zip 14202. Letter in 2 weeks from Doug Wolf, CE.
OH WHIO 89.1 Dayton, 1414 Wilmington Ave. zip 45401. Signer was Ron Gain, CE.
OH WDJQ 92.5 Alliance, P. O. Box 2356, zip 44801. Letter in 2 weeks from Bruce Harlin, CE (note: this call was once in Baltimore for 104.3, & now they are WBSB)
IN WMDH 102.5 New Castle, % Box 906, Muncie, IN 47305. Letter in 2 weeks from James Miller, Asst. CE.
OH WBNS 97.1 Columbus, 175 S. 3th St., zip 43215. Letter in 3 weeks from J. R. Dildine, Asst. CE.
OH WSWR 100.1 Shelby, 47 E. Main St., zip 44863. Letter in 1 month from David Williamson, Pres.
MI WKJC 104.7 Tawis City (?), Box 549, zip 48763. Letter in 4 months from John

Carroll, jr., Pres.
ONT CBON 98.1 Sudbury, 15 MacKenzie St., zip P8C 2A9. Letter in 2 weeks from Signer unreadable.
ONT CBCS 99.9 Sudbury, address same as above, signer was Lisee Smulders.
TX KAPT 94.7 San Antonio, 3838 Medical Dr. Suite 101, zip 78229. Letter in 4 months from Dick Pickens, Pres.
OH WNNR 92.1 Bellevue, 106 1/2 E. Main St., no zip, signer was Bob Ladd, GM.
LA WRBH 88.3 New Orleans, 5028 S. Front St., zip 70115. Letter from Cathy Jacob-Gaffney, Stn. Mgr.
OH WYHT 105.9 Mansfield, Box #8, 1400 Radio Lane (how nice!), zip 44901. Letter in 1 1/2 months from John Foster, PD.
ONT CBBP 103.9 Peterborough, % Box 500, Station A, Toronto, ONT zip M5W 1E8. Send a CBC card in 2 weeks, signed by Debra Musto, Audience Relations.
FL WJIS 88.1 Bradenton, % 6469 Parkland Dr., Sarasota, FL zip 34243. Letter in 4 months from Cathy Bussey.
OH WWMH 105.5 Sylvania, % 2985 Pickle Rd., Toledo, OH zip 43616. Letter in 1 month from Peter Walkowiak, CE.
TX KVRP 95.5 Haskeu, Box 1118, zip 79521. Letter in 3 weeks from Ken Lane, Owner.
OK KRPT 103.7 Anadarko, Box 1360, zip 73005. Letter in 1 month from Karen Thompson, Bus. Mgr.
AL WIZD 104.1 Atmore, % Box 1047, DaPhne, AL zip 36526. Letter & T-shirt (nice) from Don Stevenson, CE.
TX KACU 89.7 Abilene, Abilene Christian University, Acu. Stn., Box 7568, zip 79699. Letter in 1 month from Tom Delan, Eng.
LA WBSN 89.1 New Orleans, 3899 Gentilly Blvd., zip 70126. Letter from Steve St. John, Prg. Dir.
LA WNOE 101.1 New Orleans, 529 Bienville St., zip 70130. letter from Ernie Kain, Eng.
Belize Radio One Friends 88.9 Belize City, P. O. Box 89, Belize, Central America. Send Radio One Friends FM Card, with full data, 10kw, tower 560 feet, signed by A. Cheong, Chief Broadcasting Officer. Heard during a wild e-skip on July 11, 1987, best fm skip catch ever @ 1900 miles. Glad to verify this!!!

— This month main qsl reporter is Robert S. Ross of London, Ontario, who got very lucky this summer e-skip and got very deep south into Central America and heard Radio One from Belize City, Belize WOW! This has to be the first I ever heard of such a logging. It does show what is possible one-skip.

73 '5

EASTERN TV-DX

John F. Combs
1308 Willow Branch #24
Jacksonville FL 32205
(904) 389-2451

COME ONE, COME ALL... THE DX AWAITS...

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

FEBRUARY 1988 DEADLINE: 1st of each month
Several E-skip openings were noted by reporters as 1987 drew to a close, a development welcomed by all. No super-tropo occurred this fall, in sharp contrast to the massive Thanksgiving binge of 1986!

Roy Barstow, P.O. Box 488-T, Teaticket MA 02536		NOVEMBER 1988	
SEPTEMBER 1987	OCTOBER 1987	NOVEMBER 1987	NOVEMBER 1988
27 Tr 2230 WAPB-22 MD 360	5 Tr 2000 WHRO-15 VA 440	27 Tr 0015 Scranton U's 270	27 Tr 0015 Scranton U's 270
2230 WCPB-28 MD 340	2000 W47AD CT 110	-PM- ME, NH, VT in good	-PM- ME, NH, VT in good
2230 WMDT-47 MD 340	6-23 (See Note #2)	28 Tr 1800 All Philly 260	28 Tr 1800 All Philly 260
2245 WGBS-57 PA 260	24 Tr 2000 WMFP-62 MA	W GAL-8 PA 315	W GAL-8 PA 315
2245 WJMG-40 NJ 285	NOVEMBER 1987	W WLYH-15 PA 320	W WLYH-15 PA 320
2300 WTVZ-33 VA 455	2 Tr 2000 WETK-33 VT 240	W Scranton U's 270	W Scranton U's 270
2300 WYAH-27 VA 455	2040 WUSV-45 NY 190	W WDCA-20 DC 380	W WDCA-20 DC 380
2340 WETA-26 DC 380	3 Tr 0040 WAPB-22 MD 360	W WHP-21 PA 340	W WHP-21 PA 340
2340 WHMM-32 DC 380	4 Tr 1500 WBOC-16 MD 340	W WMP-22 MD 360	W WMP-22 MD 360
2345 WBFF-45 MD 350	1530 WCPB-28 MD 340	W WWSW-24 MD 350	W WWSW-24 MD 350
2345 WHSW-24 MD 350	1530 WMDT-47 MD 340	W WHTM-27 PA 340	W WHTM-27 PA 340
2350 WDCA-20 DC 380	5 Tr 0700 WVEC-13 VA 440	W WCPB-28 MD 340	W WCPB-28 MD 340
28 Tr 0025 WFTY-50 DC 380	0700 WHRO-15 VA 440	W WHMM-32 DC 380	W WHMM-32 DC 380
0025 WNUV-54 MD 350	0700 WYAH-27 VA 455	W WITF-33 PA 325	W WITF-33 PA 325
0030 W35AB PA 260	0700 WTVZ-33 VA 455	W WLV-39 PA 260	W WLV-39 PA 260
(See Note #1)	0730 WRLH-35 VA 450	W WPMT-43 PA 340	W WPMT-43 PA 340
0115 WVRN-63 VA 450	0733 WUNP-36 NC 520	W WBFF-45 MD 350	W WBFF-45 MD 350
0200 WRDG-16 NC 605	0745 W41AC VA 380	W WMDT-47 MD 340	W WMDT-47 MD 340
0230 W14-- DE (WGCB-49)	0745 W44AD VA 380	W WDCB-49 PA 330	W WDCB-49 PA 330
0232 W17AG NY 190	0745 WGOAL VA 380	W WTV-51 PA 285	W WTV-51 PA 285
1850 WBOC-16 MD 340	0800 WJPM-33 SC 710	2400 WNUV-54 MD 350	2400 WNUV-54 MD 350
1900 WHRO-15 VA 440	0815 WFDE-15 ? SC 710	29 Tr 0130 WXXA-23 NY 180	29 Tr 0130 WXXA-23 NY 180
2200 WUNP-36 NC 520	0830 WPTF-28 NC 585	0200 WBNG-12 NY 275	0200 WBNG-12 NY 275
under WSBE-36 RI	9 Tr 0010 Onancock 41, 44, 60	0230 W42AE NY 170	0230 W42AE NY 170
2230 W25AA VA 380	MD 16, 28, 47	(See Note #4)	(See Note #4)
2230 W41AC VA 380	(See Note #3)	DECEMBER 1988	DECEMBER 1988
2300 WLFL-22 NC 585	17 Tr 0015 WMGC-34 NY 275	8 Tr 1630 WHRO-15 VA 440	8 Tr 1630 WHRO-15 VA 440
2320 WRLH-35 VA 450	0015 WOLF-38 PA 270	1630 WYAH-27 VA 455	1630 WYAH-27 VA 455
2325 WVRN-63 VA 450	0015 WVIA-44 PA 270	1630 WTVZ-33 VA 455	1630 WTVZ-33 VA 455
29 Tr 0000 WVEC-13 VA 440	0030 WYOU-22 PA 270	1710 WCPB-28 MD 340	1710 WCPB-28 MD 340
0000 WAPB-22 MD 360	0030 WNEP-16 PA 270	1715 WBOC-16 MD 340	1715 WBOC-16 MD 340
0025 WFTY-50 DC 380	0030 WITF-33 PA 325	11 Tr 2300 WYIE-44 PA 270	11 Tr 2300 WYIE-44 PA 270
0030 WHMM-32 DC 380	0030 WBRE-28 PA 270	2330 WBRE-28 PA 270	2330 WBRE-28 PA 270
0030 WDCA-20 DC 380	0050 WITZ-62 NY 170	2330 WNEP-16 PA 270	2330 WNEP-16 PA 270
0100 WPDE-15 SC 710	23 Tr 1800 WTBV-54 NY 170	12 Es 1713 KTIV-4 IA 1350	12 Es 1713 KTIV-4 IA 1350
0135 WKFT-40 NC 630	2000 WCPB-28 MD 340	1800 WEDU-3 FL 1170	1800 WEDU-3 FL 1170
0200 WXEX-8 VA 450	24 Tr 1900 WHRO-15 VA 440	1830 KTBS-3 LA 1410	1830 KTBS-3 LA 1410
0310 unID-20 weak, HSC	1900 WYAH-27 VA 440	1830 KMTV-3 ? NE T	1830 KMTV-3 ? NE T
2000 WBCT-43 CT 135	1900 WTVZ-33 VA 440	14 Es 2010-2015 Up to ch. 4,	14 Es 2010-2015 Up to ch. 4,
	Plus NJ UHF	then gone!! No IDs...	then gone!! No IDs...

Notes
(1) KRON-4 call card on ch. 20 (CT or DC) for a short period of time. (Strange. I've seen WNBC-4 and WCBS-2 IDs sneak onto the network feeds either through human error or a program running unexpectedly short. However, neither WDCA-20 nor WTXN-20 are NBC, though the latter used to be, and feeds coming from the West Coast usually come from L.A., not S.F. There are other possibilities... why not write both channel 20 stns to investigate?--jfc)
(2) Logs for October 6-23 are lost. WMFP-62 was first seen on one of those nights.
(3) Weird conditions on Nov. 9 with 41 and 44 Onancock in color at times, yet no trace of 15, 27, or 33 VA. (Probably a very narrow duct--jfc)
(4) W42AE (WMHT-17 xltr) must have been the unknown signal I picked up on 9-6-87. Also, this AM and previous PM had 29 VHF and 81 UHF stns in, yet only out to 380 miles.

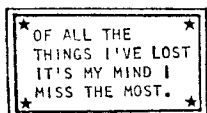
Kind of a mixed bag this fall. First year that I have not seen any Maritime stations, but then again it was also the first year I got OH in on UHF, so I can't complain! Keep warm!

Greg Coniglio, 5100 Glenwood Dr., Williamsville NY 14221 (DX from Clarence NY)
NOVEMBER 1987
27 Tr 1000 WMLL-6 MI 311 (on 87.9 FM over CIII when antenna pointed NW)

Wow! What a huge report, hi! The date of this logging is ironic--maybe some leftover turkey from last year! Note: Ch. 18 Peterborough (TVO) is on (and quite strong here). As of December 11 ch. 22 Uxbridge is still on, and no sign of ch. 27 Peterborough--73s, Greg.



FLORIDA WEST COAST PUBLIC BROADCASTING, INC.
1300 NORTH BOULEVARD
POST OFFICE BOX 4033
TAMPA, FLORIDA 33677-4033



FAIRFIELD DRIVE
P.O. BOX 24612
WEST PALM BEACH, FL 33416-4612
wpec.tv obo

EASTERN TV-DX FEBRUARY 1988

Joel Rosenberg, 10 Vanhorn Court, Thornhill, Ontario L3T 5R1
NOTE--Joel's report should have been in the January column, but was misplaced--jfc)

SEPTEMBER 1987	SEPTEMBER 1987	OCTOBER 1987
5 Tr 0815 WCMU-14 MI	7 Tr 0910 WKEF-22 OH 375	1 GW 1910 CIII41-41 OH
0830 WSMH-66 MI 225	0910 WTTE-28 OH 325	0800 WNEO-45 OH
1900 WGETE-30 OH	0910 WLKY-32 (IN) 510	2300 WNP-16 NY 190
0015 WANE-15 IN 345	0930 WCET-48 OH 420	2300 CIVO-30 PQ
0015 WNDU-16 IN 380	0930 WPTD-16 OH 375	2300 CHOT-40 PQ
0015 WSMH-66 MI 225	1000 WOSU-34 OH 325	2300 WSYT-68 NY
0015 WAQP-49 MI	1000 WKPC-15 (IN) 510	16 Tr 0800 Cleveland U's
0015 unIDs-33, 34, 40	1000 WDRB-41 ?(IN) T	0800 W64AK OH
0015 unID-41 financial	1028 WAKC-23 OH 220	(Commeaut WVIZ-25)
pgm with Art Fleming	1850 Y-town/Akron strong	0800 W67AL ? OH T
0815 Band loaded...	2130 WTLW-44 OH 320	(Eastlake WVIZ-25)
0815 Ft. Wayne 15, 33	2300 Ft. Wayne 15, 33, 55	Also Y-town, Lima,
0815 WGETE-30 OH	10 Tr 0005 WICZ-40 NY	Toledo, Kingston
0815 WBGU-27 OH 290	0005 WUCX-35 MI	0815 W56AF NY 90
0815 WLIO-35 OH 320	16 Tr 1820 W58AV NY 65	(Silver Creek WNEO-17)
0815 unID-26 Headline Nx	23 GW 0740 CICO18-18 ON 65	0820 WTLW-44 OH 320
0830 WPWA-39 IN 345	27 Tr 1900 WNP-16 NY 190	0900 CBETF-54 ON 210
0830 CICO59-59 ON	1900 WGETE-30 OH	0945 Ft. Wayne U's 345
0830 Detroit 50, 56	2300 WNEO-45 OH	24 Tr 0830 CIII17-7 ON
0830 WOAC-67 OH 220	28 Tr 1830 B-ville/Kingston U's	(Pgms with "CIII-TV-7
0900 WIII-64 OH 420	1830 WNPE-16 NY 190	GLOBAL" keyed in LR)
0900 WGGN-52 OH 230		

The Global Network is really expanding in Southern Ontario. That's all I need is 4 or 5 Global signals always in! (Chs. 6, 22, 41, new 27, and often 2, 7)
(Calls on stations like CIII41-41 and CIII17-7 are my own educated guesses. Does anyone have any idea why calls for Canadian repeaters are sometimes take the channel number as a suffix (like CICO18-18, CICO19-19, etc.) while others reflect the order in which they were approved (like CKCO-13, CKCO2-2, CKCO3-421??? Is there a rule or pattern followed?--jfc)

Matt Sittel, 220 Brookfield Dr., Kingsport TN 37663	NOVEMBER 1987	NOVEMBER 1987	DECEMBER 1987
24 Es 2002 unID-3 FF	30 Es 1736 unID-4 "Jeopardy"	15 Es 1037 unID-2 CCI	15 Es 1037 unID-2 CCI
28 Es 1210 unIDs-2, 4	(maybe WOAY Tr)	(Holguin, Cuba on scanner)	(Holguin, Cuba on scanner)
29 Es?1400 unIDs-2-6	1803 WTVJ-4 FL 747	18 Es 1728 Cuba-2, 3, 6 (Net 6)	18 Es 1728 Cuba-2, 3, 6 (Net 6)
30 Es 1708 Cuba-3	1804 WPBT-2 FL 747	1728 Cuba-4 (Rebelde)	1728 Cuba-4 (Rebelde)

Well, Es is making somewhat of a comeback. On 11/29 CCI all day, but nothing could get through. I don't get it. It was making a mess of WBTB-3, but when I dialed it every which way but loose, I could get nothing! What gives? Anyway, let's hope 1988 is a good one for DX. 73's, Matt. (P.S.--I only have 2 DX cacti left... the other deflated itself...)

Charles Gauthier, 3260 Beaulieu, Brossard PQ J4Z 2P7	DECEMBER 1987	DECEMBER 1987	DECEMBER 1987
11 Es 1630 CJCB-4 NS 520	11 Es 1807 KTIV-4 IA 1177	11 Es 1829-1900 unIDs-3	11 Es 1829-1900 unIDs-3

Our second snowstorm of the season brought E-skip back to southern Quebec! The weather on 12-11 was mild for this time of year (40° F., the normal being 26° F.) and very foggy. KTIV-4 was crystal-clear, or should I say "snow-free!" Season's Greetings, Charles.

Robert Grant, 5775 Bishop, Detroit MI 48224	AUGUST 1987	AUGUST 1987	SEPTEMBER 1987
From PLATTE LAKE MI	13 Tr 0700 CHBX-2 ON	6 Tr 0330 WGMH-4 OH 169	6 Tr 0330 WGMH-4 OH 169
(30 mi. W. of Traverse City):	(Platte Lake #171)	7 Tr 0245 WOAC-67 OH 135	7 Tr 0245 WOAC-67 OH 135
6 Tr 1530 WXSZ-32 WI	14 MS 0235 CKND2-2 MB	0245 WSPJ-51 OH 172	0245 WSPJ-51 OH 172
9 Es 1830 unID-2 SRC	Es 2120 KIDK-3 ID	0900 WLKY-32 (IN) 318	0900 WLKY-32 (IN) 318
2100 WCB-2 SC	(VAFI 5544!)	(above 4 very rare...)	(above 4 very rare...)
2300 KWGN-2 CO	2120 KAID-4 ? ID T	WCMH seen when WDIV	WCMH seen when WDIV
11 MS 0235 CFMC-4 ? PQ T	2128 KUTV-2 UT	off for first time	off for first time
0251 WRC-4 DC		in 4 years)	in 4 years)
Es 1245 KBTX-3 TX	SEPTEMBER 1987	Back at DETROIT (with new	Back at DETROIT (with new
1245 KPRC-2 ? TX T	RS VU-110 antenna):	NOVEMBER 1987	NOVEMBER 1987
13 MS 0400 WRC-4 DC	5 Tr 0330 WGN-9 IL 243	15 Tr 2100 WTLJ-54 MI 155	15 Tr 2100 WTLJ-54 MI 155
Au 0400 Noted chs. 2-6	0330 CKNC-9 ? ON T	(Detroit log #358)	(Detroit log #358)
MS 0434 CBFT2-3 PQ	0330 CKVR-3 ON 211	DECEMBER 1987	DECEMBER 1987
(in for 2 min. with	0330 CICI1-3 ? ON T	11 Es 1730 CBHT-3 ? NS T	11 Es 1730 CBHT-3 ? NS T
"Euro-style" TP)			

I made it to the convention again this year. It was the first time I had a chance to fly. I can't wait for another chance to be so close to the E-layer and see cities at night that look like integrated circuit chips. (Hmmm...never thought of it that way--jfc) The conventioners decided that Duluth VHF's were too close to permit VHF DXing, but that didn't stop us Es fans from logging a bunch of stns on channels 2 and 4 with a 12" Zenith and built-in monopole (WSB-2, WUNC-2, WMAR-2, KWGN-2, KUTV-2, KTVG-2, WJXT-4, and others). Neither did it stop me from IDing WBTB-3 right thru KDLH-3!

For the 1st time in 3 years, I brought my V-90 and 12" portable up to Platte Lake. WRC-4 is a good MS target: dark b.g. and light logo/lettering. This was the first time I had DC from any DX location. One MS unID possibly from Canada was a slide of what looked like a flower garden and "CABLE 7" in l.r., this on channel 4. When I put the V-90 back in the garage, its boom broke, so it was replaced with the VU-110. I use RS equipment because other brands are unavailable or too expensive. I wish I knew that the V-110 was being cleared out in Canada for \$15! (Imagine going thru customs with that!) I'm surprised they ever sold antennas in Canada as they were wired for cable before radio was invented, hi.

OCTOBER 1987
 24 Tr 0715 WABC-7 NY 196 w/WITN CCI
 0745 NJ 23 52
 1031 WYIT-30 CT 283

NOVEMBER 1987
 1 Tr 0030 WUNP-36 NC 195
 0100 WLFL-22 NC 248
 0130 WCTI-12 NC 269
 0130 unID-12+
 0135 WBTW-13 ? SC T
 0137 WPDE-15 SC 349
 0137 WJKA-26 NC 344
 0137 WPTF-28 NC 248
 0137 WTAT-24 ? SC T
 0200 WTVB-11 NC 246
 0215 WJKA-26 nr snow-free 2 Tr
 0215 WKFT-40 NC 265
 0330 WRDG-16 NC 251
 0330 WPXI-11 ? PA T
 0545 WCTI-12 NC 269
 0607 WPMT-43 w/10 kHz CCI
 0607 unID-8+ or -
 0607 NC 48T; SC 13, 25T, 15
 0627 WHMC-23 SC 373
 0628 WLFL-22 local qual.
 0645 WUNK-25 NC 244

NOVEMBER 1987
 1 Tr 0645 WPTF-28, WUNP-36
 0650 unID-47 CB or GS
 (see comments)
 0700 WRLL-35 SC T
 0700 unID-16 o/WRDG
 0717 unID-12-
 0717 WUNJ-39 NC 336
 0717 WJPM-33 ? SC T
 0800 WNSC-30 SC 369
 0805 WPTF-28 NC 248
 0805 unID-28 zero WPTF
 0805 unID-15 zero WHRO
 0805 WTVI-42 NC
 0805 WUNK-25 ? NC T
 0200 WCTI-12 NC 269
 0200 WITN-7 NC 257
 0700 unID-47 again
 0105 WCTI-12 NC 269
 0105 WTAT-24 SC T
 0105 WKFT-40 NC 265
 0527 WITN-7 NC 257
 0645 WUNK-25 NC 244
 0527 WITN-7 ? NC T
 0700 WNYC-31 NY 196
 5 Tr 0525 WTVB-11 NC 246

NOVEMBER 1987
 5 Tr 0525 WTVB-11 NC 246
 0550 WLFL-22, WPTF-28
 0605 unID-47 again
 15 Tr 2300 WUNJ-39 NC 336
 2300 WKFT-40 NC 265
 2314 WPTF-28 NC 248
 16 Tr 0000 WGGT-48 NC 265
 0100 WLFL-22 NC 248
 0130 WNRW-45 NC 273
 0130 WJKA-26 ? NC T

DECEMBER 1987
 10 Es 0100 unID-2-
 0122 unID-2 zero 3/4cb
 12 Es 1730 WPBT-2 FL 900
 1759 MUF channel 4
 1900 KETS-2 AR
 1903 unID-4 zero
 2002 WPBT-2 in again
 2047 WBRZ-2 ? LA T
 17 Es 1758 unIDa-2
 22 Es 1850 unID-2- NBC
 1900 unIDa-2 zero,+
 23 Es 2202 unID-2- ABC
 2202 unID-2 zero
 2202 unID-2 + or -

(Normally, I wouldn't list all those unIDs, but I wanted the columns to come out neat and pretty, hi!--jfc)

A correction to my 12-87 VUD report: the dates I gave of October 3, 10, and 11 are incorrect. The dates for that DX are October 10, 17 and 18. The unID-47 on 11/1 s/on at 0700 with an ID slide featuring a "47" inside a large triangle, w/words below the triangle, followed by outdoor scenes and an animated ID. They then had the Gospel Music Network. The signal from the SW caused 6 diagonal CCI bars on WMDT-47. Also seen weakly on 11/2 and 11/5. (Any ideas, you DX detectives??--jfc)

John F. Combs, 1308 Willow Branch #24, Jacksonville FL 32205

DECEMBER 1987
 12 Es 1254 WJBK-2 MI 842
 1256 unID-2 CKY-7 relay
 (See comments!!!)
 (Other unIDs-2, 3 to 1430)

DECEMBER 1987
 18 Es 1404 unID-5 CCI WUFT
 1424 YSR-2 El Salvador
 (Nx "Telepremsa" w/2 YL
 anchors; 1429 end nx,
 then string of ads;
 1432:30 full CB for
 home color adjust(!);
 1434 novelas; 1501:15
 another CB, unusual type)
 1615 Still Es on 2 as
 I leave for work
 21 Es 2127 t/in; MUF ch. 5
 2127 WGBH-2 ? MA T
 2127 WCVB-5 ? MA T

DECEMBER 1987
 21 Es 2132 WFSB-3 ? CT T
 22 Es 0845 t/in; MUF ch. 3
 0856 CBFT-2 PQ 1136
 0859 CIII2-2 ON 1046
 (Finally bagged a
 Global stn...)
 0859 WGRZ-2 NY 873
 0859 KYW-3 PA 763
 0925 Had to leave...
 2225 t/in; MUF ch. 3
 2241 CKCO2-2 ON 1010
 2259 CKVR-3 ON 975
 2345 To bed--still CCI
 24 GW 1530 WIOAX FL 3

Thanks a heap, Santa! Just what I wanted for Xmas--another VHF local!! Ugh! I'll send the gory details to Bill Fahber's column. The CKY-7 relay on ch. 2 has become the most unusual as well as most frustrating logging ever for me! CKY confirms the slide I saw in use at the time I saw it, yet they have no ch. 2 relays. Full details on this gem will be in Robert Grant's column. The Latin DX of the 18th was quite strong at times--enough so to actually be recordable by the lousy tuner of my VCR!! Got a great still photo of the new Cuban TP, as well as enough details to try for a QSL from YSR-2. (Actually, they haven't used those calls in years, but it's still convenient to refer to them as such!)

TV-CCI AIDS (THE MINI-VERSION)

SLOGANS
 WKRN-2 "Channel 2 and You"
 "Something Entertaining is Always Happening"
 WTVF-5 "Nashville's Channel 5"
 WZTV-17 "ZTV" non-ID replaces "Z-17"
 "Hey, Look at us now!" dropped?
 WCAY-30 "We're Coming at Ya!" replaces "Your Movie Station"

NEWS/MOVIE NAMES
 YSR-2 Telepremsa
 WKRN-2 Saturday Night Movie
 WINK-11 WINK News (another original name...)
 WBKO-13 Newscenter 13
 WCAY-30 Morning Movie, 7:00 Movie, Late Movie (all wkdays), Afternoon Movie, Saturday Matinee, Action Theater, Fright Night Flick (all Sat.), Thriller Movie, Family Theater, Action Theater (all Sun.)

MISCELLANEOUS
 WBRZ-2 late nite show now "Randi's Cat's Pajamas"
 ...WFLV-9 live sat feeds "Star 9"... WINK-11 live wx radar early AM... WBBH-20 does same + often IDs as "Cable 2"... YSR-2 often runs color bars between pgms for home adjustment--one pattern used not seen before as drawn to right--top square white, each horizontal row different color and increasing intensity left-to-right. Thanks to Coniglio, Sittel, Schulman, and Barstow...Cuban s/on info from Matt next time!! BYE!



PHOTO-NEWS

Column layout by:
 David J. Nieman
 12284 Nice Road
 Akron, New York
 14001-9529

FEBRUARY

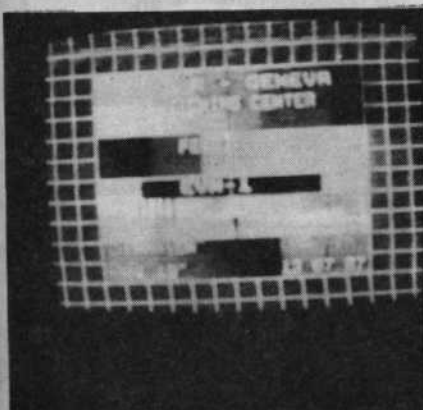
1988

Continuing where we that leftoff list month, we have the final tropo foto sent in by Carlon Howington - St. Petersburg Florida.....

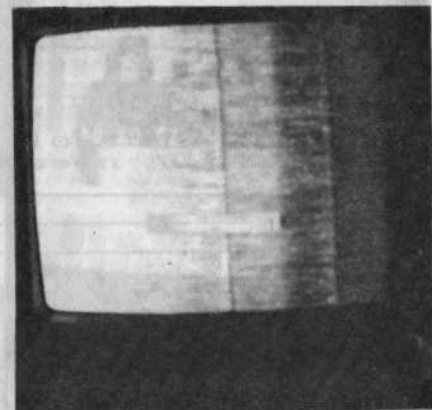


WJZY-46
 Belmont
 North Carolina
 528 mile tropo
 seen 8/22/87
 at 0700 ETime

George Jensen (Editor, Satellite News) - Baltimore MD sent in some fotos taken off NHK Japan's satellite feed on Galaxy 2.....

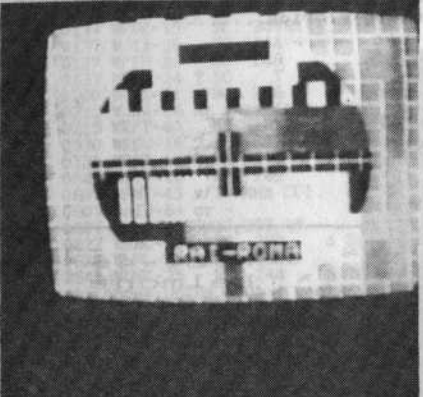


Swiss Broadcasting Corp.
 Geneva,
 Switzerland



ORF
 Vienna,
 Austria

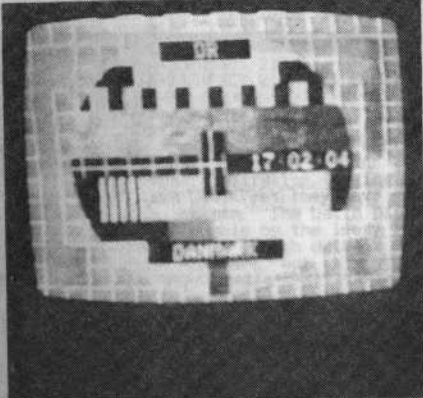
....more satellite fotos from George Jensen....



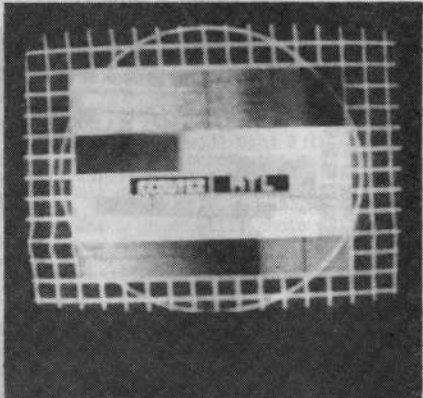
RAI
Rome, Italy



Hilversum,
Netherlands
(Holland)



Danmark Radio
Copenhagen,
Denmark

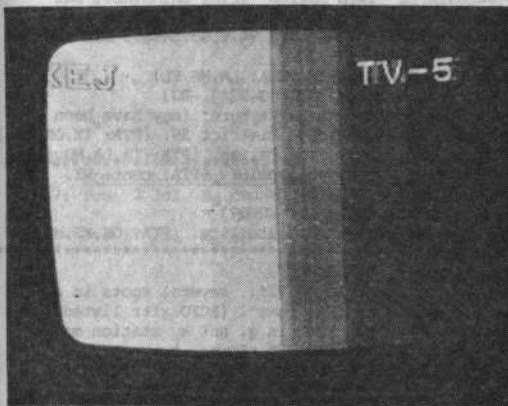


RTL
Luxembourg,
Luxembourg

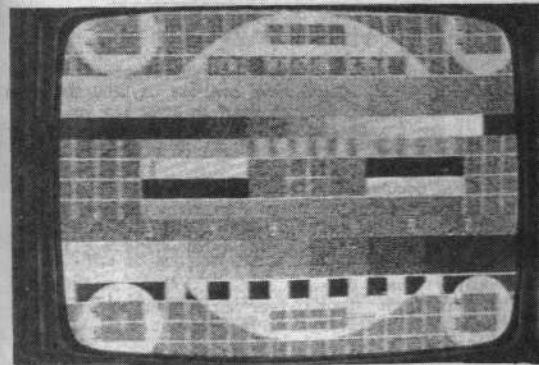
Jeff Kadet - Macomb, Illinois is our next reporter with some Mexican E-skip reception.....



XHIT-C 4
Chihuahua, Chih
1194 mile E-skip
seen June 30 1987
"absolutely no idea what the "C" means
unless color?"



XEJ-5
Ciudad Juarez,
Chih.
1055 mile E-skip
seen Aug. 2, 1987



John Combs - Jacksonville, FL, checks in with a Cuban 3 of unknown transmitter location.....

channel 3 Cuba
seen via E-skip
"horizontal stripe on 3rd graph row
down reads "ICRT 87/12/18 2:41" This
lettering is of very low contrast & can
only be seen when signal is v. strong"

C.C.I. [UNIDENTIFIED DX]

Robert Grant, KDRF:
5775 Bishop
Detroit, MI 48224.
February, 1988.
(My zip is NOT 48235.)

(My zip is NOT 48235.)

FM unIDs:

Kurt Richardson, 23 Bevell Lane, N. Syracuse, NY, 13212.
1987: Mon 15 Jun Es 100.1 2033 EDT-- mentioned "Bartlesville" (PTA: FL, IA.)
(probably KYFM, Bartlesville, OK. -RG)

Gus Mancuso, 5615 Inwood St., Cleverly, MD 20785.
1987: Mon 20 Jul Tr 108.1 2200 EDT-- continuous pop-to-medium rock mx including song from
"Howard The Duck" cartoon. no announcing at all.
gaps between songs with sound of tape moving during
during gaps. (PTA: E or W. may have been 108.2)
(sounds like a pirate to me -RG)

Greg Coniglio, 5100 Glenwood Dr., Williamsville, NY 14221.
1987: Sat 13 Jun Es 96.5 1951 EDT-- "Solid Gold Saturday Night" (PTA: OK. KRAV?)
Mon 15 Jun Es 89.9 1050 EDT-- b (EZL format) (PTA: FL,AL,MS,LA.)
Wed 17 Jun Es 100.3 1920 EDT-- traditional country. (PTA: TX. KILT?)
Sun 21 Jun Tr 102.1 1637 EDT-- m (PTA: OH., suspect WDKO)
Tue 7 Jul Es 100.3 1639 EDT-- rock (PTA: gulf states)
" " " " 92.5 1850 EPT-- rp (PTA: MN.) (probably KQRS, Golden Valley, MN. -RG)
" " " " 100.3 1858 EDT-- religious station. (most likely WCTS. -RG)
Tue 14 Jul Es 105.9/6.1 1820 EDT-- mention of "Twin Cities" (PTA: LA,MS,AL., but
Wayne, NE also in on 104.9)
Thu 16 Jul Es 92.5 1055 EDT-- sounded soul (PTA: MS. JXN 94.7,95.5&96.3 all loud)
" " " " 92.1 1105 EDT-- ID sounded like "B-92" (PTA: LA,MS,FL)
(WJMG, Hattiesburg, MS? ["G-92"] -RG)
" " " " 92.1 1346 EDT-- election promo for "W.L. Rayburn" (may have been
Wayburn). Also mentioned District 39. (PTA: TX,OK,LA.)
" " " " 92.1 1430 EDT-- satellite rel. pgm. from Dallas. (PTA: TX,LA,MS.)
Tue 21 Jul Tr 101.3 0130 EDT-- open carrier with stereo pilot. (PTA: cent. NY,
NEastern PA.)
Thu 29 Jul Es 89.3 2110 EDT-- jazz, EE ancr. (PTA: CO. KUVO?)
Sun 2 Aug Es 92.1 1810 EDT-- "All Hit Radio" sounded satellite. (PTA: OK,KS,MO.)

Joseph Fela, 150 Robert Place., S. Plainfield, NJ 07080.
1987: Sun 14 Jun Es 92.1 1622 EDT-- country, using nonID "K-92", several spots in a
row for places in "Sallisaw". (KCFO xltr listed for
Sallisaw, OK., but KCFO is g, not k. station may
have used dual "K-96/K-92" slogan, but not sure.)
Mon 29 Jun Es 105.3 1930 EDT-- K??? call with ID: "Entertainment and information
for the busy people on the growing plains".
(sounded very small-townish) Definitely not
KOZY which was in a little later.

(TNX fer AT40 list. -RG)

TV unIDs:

John F. Combs, 1308 Willow Branch #24, Jacksonville, FL 32205.
1987: Fri 3 Jul Es ch 3 1150 EDT-- religious pgm "Success in Life" running //
to local WNFT-47. assume sat feed from TBN.
(PTA: Midwest.)
" " " " ch 3 1159 EDT-- 3/4 CBP with "tons of lettering" superimposed.
in very briefly and may have prelude to 1200 EDT sign
on. Looked similar to that seen on KENW ten years
ago. (I don't know for sure if you saw KENW but I
do remember seeing this same deal on KENW this past
summer -RG)
" " " " ch 2 1206 EDT-- PBS-style documentary about rivers and water,
not KUSD as seen with promo for sesame street
at time. (PTA: Midwest.)
Tue 7 Jul Es ch 2 1819 EDT-- "Hollywood Squares" (PTA: Great Lakes/Midwest.)
" " " " ch 2 1825 EDT-- "Jeopardy" (PTA: " " ")
" " " " ch 3 1825 EDT-- "Jeopardy" (same episode, but not //)
Wed 8 Jul Es ch 2 1635 EDT-- "Price is Right" (not Oliver North testimony as
on other CBS affiliates. (PTA: Midwest.)
" " " " ch 2 1935 EDT-- "Peoples Court" (PTA: NY,PA,ON.)

TV unIDs, continued.

John Combs, cont.
1987: Thu 9 Jul Es ch 3 1926 EDT-- "\$20,000 Pyramid" (PTA for 7/9 is Midwest.)
" " " " ch 2 1930 EDT-- "M*A*S*H"
6 1945 EDT-- "WKRP in Cincinnati"
" " " " ch 6 1959 EDT-- ad for KC Royals BB. (KMOS and WPSD in)
Mon 13 Jul Es ch 3 1954 EDT-- "Entertainment Tonight" (WKYC checks. -RG)
" " " " ch 6 1955 EDT-- "Newlywed Game"
" " " " ch 5 1956 EDT-- "Jeopardy" (PTA for these three is OH,PA,ON)
(WENS checks. -RG)
" " " " ch 3 1959 EDT-- 3/4 CBP, in very briefly. Odd time for a TP
(no kidding! -RG) station with tech problems?
or something from the caribbean area?
Sun 26 Jul Es ch 3 2029 EDT-- "Seeing Things" (a Canadian Production, but seen
on many PBS outlets. Suspect latter as no ad breaks
seen.)
Wed 29 Jul Es ch 2 1643 EDT-- Music/Variety show. Supered on screen:
"FELICIDADES II A----- Perez" (first name may
have been "Antonio", appeared to be an "El Cheapo"
character generator) PTA: MX, Cuba.)
(I believe the El Cheapo [hecho por baratatronica,
S.A. De C.V.], is universally accepted throughout
Latin America, hi. -RG)
Sat 12 Dec Es ch 2 1256 EST-- relay of CKY-7, slide read: "CKY television Winnepeg"
then 1258 CTV ID, ads and programming seen briefly
before fade-out. WJBK-2 dominant station at time.
(CKY confirms that they ran slide at time, and
that slide is used only as an ID slide, and that
CKY has no channel 2 repeaters!)
" " " " ch 2 1322 EST-- marathon 30-minute weight loss ad, phone #800-572-5100
name of product was probably Fibervision.
(PTA: Gr. Lakes, Canada.) (I have a hunch that
its CIII2. -RG)
" " " " ch 2 1329 EST-- ad for carpet store or cleaning service with locations
in Securiy and Timoquin. (PTA: ON,MI,OH,IL,CO,UT.)
" " " " ch 2 1401 EST-- begin movie "The War Wagon" with Kirk Douglas.
(PTA: " " " " ")

Greg Coniglio, 5100 Glenwood Dr., Williamsville, NY 14221.
1987: Tue 7 Jul Es ch 4 1810 EDT-- "Peoples Court" (PTA: NE,MN,ND,SD.)
" " " " ch 5 1811 EDT-- "Jeopardy" (PTA: " " " ")
Fri 17 Jul Es ch 3 1700 EDT-- "Fraggle Rock" in FF. (PTA:PA,2,NB,NS.)
(definitely an SRC station. probably either CBVT2
or the new station at Neguac, NB. SRC on 3 is always
a "heartbraker" as I have had it from the east
many times but have never IDed it. I was in on
this opening and had SRC on 3 also, also had SRC
on 8, I think! -RG)
" " " " ch 2 1930 EDT-- "Wheel Of Fortune" (PTA: IA,MO,KS,NE. KTVO-3 in)
Mon 3 Aug Es ch 3 1321 EDT-- cartoon in FF, CBC jingle heard. (SRC station, -RG)

Robert Grant, 5775 Bishop, Detroit, MI 48224. editor.
1987: Tue 14 Jul Es ch 6 1845 EDT-- "Sesame Street" (PTA: ND. suspect KSRE.)
Fri 17 Jul Es ch 3 1722 EDT-- FF ncast with winning lottery # in "Provincial"
green w/yellow sun logo. (seems to me I remember
an Ontario lottery calle this.)(win # 146122.)
" " " " ch 5 1722 EDT-- L'ile Fantastique" (Fantasy Island dubbed in FF)
(PTA Québec, not // CBEFT-54, suspect TVA.)
" " " " ch 5 2025 EDT-- "Hogan's Heroes" (?) (PTA: TX area.)
" " " " ch 5 2031 EDT-- "New Newlywed Game" (PTA: CO,KS.)
Tue 11 Aug MS ch 4 0236 EDT-- From Platte Lake, MI
slide of still life with "CABLE 7" in LR.
still life may have been flower garden.
This unID was seen many times at various hours
of the night. (PTA: Canada.)
" " " " ch 4 0319 EDT-- complex CBP with electronically generated ID
supered in center.
Thu 13 Aug MS ch 3 0500 EDT-- color bullseye TP with giant "3" at upper right
of bullseye. (PTA: East. suspect KYW.)
Fri 14 Aug MS ch 2 0209 EDT-- "Dr. Gene Scott"
" " " " ch 2 0214 EDT-- "Caravan Of Values"
From Detroit, MI.
Tue 22 Dec Es ch 5 0820 EST-- CCI to WENS with obviously black-and-white line
rate. (PTA: FL, Cuba, WPBT-2 in at time.)

TV unIDs, continued.

Robert Grant, cont.

From Carleton, MI.

1987: Wed 23 Dec GW ch 64 1830 EST-- weak signal. Discussion program of some type.
(PTA: West, suspect LPTV, possibly religious.)

FM IDs:

Saul Chernos. (from 9/87 NFMIDK)

1987: Thu 25 Jun Tr 98.9 1235 EDT-- -WQLX? #222-1600. (Probably WQLX, I think Rochester request lines start with 222. -Greg Coniglio.)
(yes, they do, Greg, I have WQLX as 222-WQLX but they could have more than one #. -RG)

Fri 17 Jul Es 101.1 1616 EDT-- FF CBC (Likely CBF10, Sherbrooke, PQ, I noticed some short skip that day. -Greg Coniglio.)
(so did I. -RG)

" " " " 93.7 1640 EDT-- -FF (either CBF6 Lac Magnetic or CBV5 St. Fabien -de Panet. -Greg Coniglio.)

Joel Rosenberg (from 9/87 NFMIDK)

1987: Mon 20 Jun Tr 90.3 1600 EDT-- "CBC SW Ontario" (It's CBEG Sarnia. -Greg Coniglio.)
(I'd say definitely so. -RG)

Fri 17 Jul Tr 90.7 2135 EDT-- "FM-91 Toledo" (Maybe WGLE, Lima, OH? - Greg Coniglio.)
(the DX seems to be a bit far, but WGLE may have the punch to stretch its claim a little -RG)

Kurt Richardson (from 9/87 NFMIDK)

1987: Sun 14 Jul Es 100.3 1841 EDT-- "Hit-100-FM" (KGGG Rapid City, SD uses that slogan. I heard them use "Hit-FM-100" that same day. -Greg Coniglio.)

Bill Nolman (from 7/87 NFMIDK)

1987: Wed 27 May Tr 93.5 0454 EDT-- KC-93. (maybe a late night Es or Ms?, there's a KC-93 in St. Mary's, GA [WLKC], and it's right on the ocean. -Greg Coniglio.) (the fact that I have logged this one not only once, but three times, makes me wonder if this class A is running an extra kicker? -RG)

" " " " 92.3 1758 EDT-- "92-mix" (probably 92-moose., WMME, Augusta, ME. Greg Coniglio.)

TV IDs:

Randy Miltier

1987: Tue 9 Jun Es ch 3 2245 PDT-- "Dr. Gene scott" (KSNW-3 checked at time [but they don't run it at time anymore] - Ron Wing)

Robert Grant

1987: Wed 3 Jun Es ch 3 0115 EDT-- EE "Cut Buster" ad with PQ address. (must be CBSET, Sept-Iles, PQ. -Charles Gauthier.)
(I was skeptical at the possibility of CBSET because of their low power, but with Es, I guess that anything is possible. A question for readers: does a PQ address always mean a PQ station? I notice that everytime I log NS, I see NS addresses on local mail order ads, and every time I see ON, I have an ON station, are there any exceptions? -RG)

Fri 5 Jun Es chs 566 1543 EDT-- ad- "Chebouctou Ford" (prob. CJCH, CJCH6.-Ch. Gau.)
Fri 5 Jun Es ch 3 1557 EDT-- CBS with "Atmospheric Interference" banner.
(WCAX. -Charles Gauthier.) (TNX! -RG)

TV unIDs, (that I forgot before.)

Robert Grant (from Carleton, MI.)

1987: Wed 23 Dec Es ch 2 2155 EST-- minus offset, documentary showing buildings in Washington, DC and copies of documents.
(suspect KETS, WDIQ.)

FM CCI AIDS

When Scott Hood IDed a unID of another DXer by sending me the ph#s of all the Boston area FMs, I thought it would be a good idea to ask DXers for the first three numbers of their local stations where the local phone companies gave special exchanges to local media. I never thought that the idea would be so popular among my readers. I got possibly the largest mail load in my editorship of this column. I would like to thank all my readers who submitted this information. Some ambitious readers, such as Ron Wing and Erich Schulman, KTN4CA, sent lists of whole phone numbers for their local AMs and TVs as well as FMs, with numbers for newstip lines and the like as well as request lines. For the sake of brevity I will not print the whole lists of phone numbers but now present this list of special three-digit prefixes used by radio stations. (A DXer at the convention called these "Crunch Exchanges")

CCI- unIDentified DX.

FM CCI AIDS

LOCAL CRUNCH EXCHANGES:

Montréal, PQ. 790-0### (CG) New York, NY. 955-#### (GM and KR)
Rochester, NY 222-#### (KR) Buffalo, NY. 640,644-#### (?) (GM and KR)
Boston, MA 931-#### (GM and SH) Chicago, IL. 591-#### (GM)
Pittsburgh, PA. 333-#### (GM) Los Angeles, CA. 520-#### (GM)
Baltimore, MD. 481-#### (GM) Washington, DC. 432-#### (GM)
San Diego, CA. 570-#### (GM) Cleveland, OH. 578-#### (GM)
Wichita, KS. 436-1###, 436-5### (RW)
Nashville, TN. (all the following! : 737,254,256,255,244,889,748,749,248-####) (ES)
Detroit, MI. 298-6### (RG) Syracuse, NY. 421-9### (KR)

Greg Monti adds that the NYC and LA exchanges apply to more than one area code. Initials in brackets apply to the following correspondents: (GM) Greg Monti. (CG) Charles Gauthier. (KR) Kurt Richardson. (SH) Scott Hood. (RW) Ron Wing. (ES) Erich Schulman, (RG) Myself. I would like to thank all who contributed.

I would like to apologize here for the long delay between this and my previous column. My college curriculum had made it difficult to find time to do a column and the university tended to schedule exams for the 5th-to-10th of the month! Also, I seem to have lost my "touch" for solving unIDs, especially those crazy new LPTVs. I will still produce this column, but I do invite any DXer who feels he/she may improve the column to take it over. Put another way, I'm not quitting, but I don't oppose a takeover either.

Robert Goodman offers the comment that low sunspot numbers were responsible for the excellent 1987 Es season. (the ARRL called the 1987 Es season "unprecedented", by the way. -RG). I have read that there is an inverse connection between sunspots and Es, that there is a positive connection between sunspots and Es, and that there is no connection between sunspots and Es. What I would like to know is, what about 1980 & '81, good Es with high spots, 1978, poor Es with high spots, 1984 & '85, terrible Es (or was there any?) with low spots, and 1987, excellent Es with low spots? The only thing we can really be sure about when it comes to Es is that it peaks near the summer solstice (but happens all year), that it peaks about 0900 and again about 1900, local solar time (but has happened at all times of day and night), that Es is likely to happen 36 hours after a previous opening, and again 27 days after a previous opening, that it is very unpredictable, and a helluva lot of fun!

P H O T O - N E W S

Lastly are a couple new stations seen in 1987 by me (the column editor).



WNYB-49
Buffalo, New York
14 mile ground wave
seen July 10, 1987
at 1200 hours
new to the air.



WPTV-5
West Palm Beach, FL
1123 mile E-skip
seen July 17, 1987
at 1230 hours

DAVE

Bruce F. Ehling, Jr., Editor
241 Anderson Road
Eskaton, N.J. 07823-9413

Contributions invited!

New FM Station Grants and Selected Translators

AR Hot Springs *91.1 1000 h.v.; 86 m, g, Applied Life Ed. Found.
CA Chester 105.3 1600 h.v.; 707 m
CA Kerman 94.3 3000 h.v.; 100 m
CO Julesburg KJBS 96.5 10000 h.v.; 211 m
CT Salisbury 98.1 1270 h.v.; 154 m
GA Jesup *88.3 3000 h.v.; 60 m, g, GA Radio Fellowship
GA Milledgeville 100.7 3000 h.v.; 100 m
GAMilledgeville *92.7 (WLPK 91.7 August), on air [R. Pub. Bcstg.]
ID Sun Valley *95.3 3000 h.v.; 372 m, Wood/IL Casey 104.3 11200 h.v.; 151 m
IL Coal City 101.7 3000 h.v.; 92 m
IL Loves Park WGLS *91.1 3000 h.v.; 72 m, g, Christian Life Center
IN Corydon 95.5 3000 h.v.; 300 m
KS Hiawatha KHIA *91.1 400 h.v.; 41 m, g, H. Educational Broadcasting Foundation
KS Kinman 99.3 3000 h.v.; 100 m, Bliss
KY Allen WMOZ *88.1 1300 h.v.; 880 v.; 168 m, g, Maranatha
KY Nicholasville 102.5 2000 h.v.; 122 m
MD Mechanicsville WMAZ 98.3 2350 h.v.; 111 m [Family Stations]
MI Bay City *89.1 1600 h.v.; 202 m, S, g, MI Harbor Springs 103.9 690 h.v.; 208 m
MI Lakeview 106.3 3000 h.v.; 100 m, replacing deleted station WLKV
MI Leland 94.3 3000 h.v.; 100 m
MI Rockford *91.9 3000 h.v.; 91 m, S, g, Family Stations
MI Appleton *91.3 75000 h.v.; 353 m, S, c, MN Public Radio [Kingsley H. Murphy]
MN New Prague 95.5 3000 horizontal; 100 m, MO Clinton 96.1 10000 h.v.; 301 m
MO Sparta (SE of Springfield, east of Ozark MO) 96.5 3000 h.v.; 100 m
MT Miles City *90.7 500 h.v.; 153 m, Community College; see below, "Deletions" (TX)
NM Hobbs K252CV 98.3 (K4KK 99.1 Odessa/NM Jal 107.1 3000 h.v.; 316 m
NM Las Vegas 98.1 9000 h.v.; 316 m
NM Santa Fe KSFR *90.7 3000 h.v.; 91 m, Community College
NY Salamanca 101.1 1300 h.v.; 152 m
NY Utica *91.9 210 h.v.; 25 m, to relay WRVO 89.9 Oswego, n.; State U. of NY—see also "Deletions," below
ND Wishek 100.3 10000 h.v.; 300 m
OK Lone Grove KYNZ 106.7 3000 h.v.; 100 m
OK Woodward 95.9 3000 h.v.; 100 m—how many stations does Woodward need? This makes No. 51
OR Milton-Freewater 97.9 500 h.v.; 223 m
PA Everett WSKF-FM 104.3 350 h.v.; 295 m
PA Grantham *90.7 100 h.v.; 50 m, Messiah College
TX Bin Lake KVOL-FM 103.9 3000 h.v.; 58 m
ON Brackridge, frequency to be determined for a Class A station to Telemedia Muskoda Bcstg., and will relay CFBK 105.5 Huntsville ON, until local originations largely take over
ON Sioux Lookout 90.1 10 v., "WRN-FM" non-ID, to format, Wawatway Radio Net.
SO Nogales KHNS 105.9, "Radio Sonora," 1 (days), p, "heavy metal" nights, stereo? "Very good signal, drivable in parts of Tucson." Power, height unknown.

Call Letters Assigned

AL Atmore 104.1 WIZD-FM (from WIZD)
AZ Bullhead City 102.7 KFLG (KCRB)
AZ Sheffield 106.3 WBIG-FM (WBIG)
CA Loring 100.7 KCEZ (KSDZ)
CA Crescent North 97.9 KTKG
CA Delano 105.3 KAMM (KZAY), off the air
CA Madera 92.1 KHD1 (not KJMD-FM), 1
CA Philo *90.7 KZYX (1 translator)
CA Prinerdale *88.7 KCLM (KFPB), affects:
CA Shelter 97.7 KKBZ (KLYD-FM)
CA Ukiah 105.9 KMHJ
CO Lakeside 107.5 KRXY-FM (KRXY)
FL Atlantic Beach 104.5 WFFY-FM (WFFY), no non-ID [the Cat.] still r.
FL Leesburg 106.7 WCAT (WHLV), "Y-100," FL Mexico Beach 99.3 WMOA (WHLV), 104 m c1, Ozama City Beach 100.1 WPCF-FM, 1
GA Albany *90.7 WGNP
GA Sparta 97.7 WSKS (WUJJ)
GA Vinita *91.5 WGPB
HI Hilo 100.3 KIPA-FM
IL Morris 104.7 WUEZ-FM (WCSJ-FM), WUEZ AM is in Sanford FL
IN Lafayette 93.5 WKHY (WXUS), "Classic Hits 93.5" (strict) [W5AC-FM]
KY Fort Knox 105.5 WASE 105.5
KY Lancaster 105.1 WMBK, frequency not known, last month
LA New Orleans 101.9 WLMG (YA-YJ), "Magic 102," rm, to 97500 h.v.; 365 m
MI Detroit 92.3 WVAE (WNTM), m., "newage as of 12-28-87." [Calls given only once per hour; otherwise it's strictly "The Wave"]
MI Gt. Lakesville *88.9 KNJR, MN Public Radio's talk format
NH Rochester 96.7 WKOS-FM (WGY), new r., "Coast 96.7 FM" (strict); "is very vague and doesn't mention city (or multi-city) as used to mention; license call letters given very infrequently, not even once per hour
MI East Lansing *88.9 WSDM
MI Norway 94.3 WJAU
MN Brainerd *90.7 KQPR, to be S, c
MN Permian 107.1 K296KX (so says the FCC—I'd think it would be K296D X)
MS Laurel 98.1 WMLX
MO Eilatn 92.7 KLOZ (KLDN)
MO Liberty 106.5 KXXR (KLTU), 299 m (100000 h.v.)
MO Poplar Bluff *88.5 KOKS
96.7 KAHR (KXDD)
MO West Plains 93.9 KSPD (KWPM-FM)
MT Butte 92.7 KJLF
NV Las Vegas *88.7 KEDS
NH Hillsboro 107.7 WRCL
NH Atlantic City 96.9 WFPB-FM (WFPB)
NM Rosillos 93.5 KBUY-FM (KTNT)
NY Garden City 92.7 WDRB-FM (WLR-FM), still p., with promise that "WLR" will reappear on 103.9 "at a slightly different geographical location," if negotiations with WRCN-FM Riverhead go as expected
NY Ithaca *90.9 WPTC
NY New York 95.5 WPPR (WPLJ), "Power-85"
NY Rome 95.9 (seeking 96.1) WFRG (WVAL)
NC Asheville *91.3 WKDB (WBMU-FM)
NC Kinston 97.7 WKCP (WQD)
OH Circleville 107.1 WLRD (WNPZ), ?
OH Mansfield 105.3 WYHT (WCLW-FM)
OH Willard *96.9 WJWJ
OK Sulphur *91.1 KSUW
OK Watonga 97.5 WYVY
OK Woodward 93.5 KWFX (KSNJ-FM)

PA Mifflintown 98.3 WWBZ-FM (from WMMO-FM)
PA Nanticoke 92.1 WEAY (WJWJ)
SC Hilton Head Island 105.5 WJWJ (WTOJ), to 2500 h.v.; 199 m
SC Orangeburg 102.9 WIGL
TN Carthage 107.3 WUCZ (WVRK-FM)
TN Gallatin 105.5 WSEV-FM (WVKX), AM is in Sevierville, "for [contemporary country]"
TN Knoxville *88.3 WHGG
TN Signal Mountain *91.5 WAWL "FM" (WCSSO)
TX Aulinea 107.9 KEYI-FM (KEYI)
TX Childress 95.9 KSRW (KQAI), seeks 96.1
TX Hill County 92.1 KITE (KLLS)
TX Paris 93.9 KSMP
TX Portland 105.5 KJKC (KITE)
UT Logan 92.9 KBLQ-FM (KBLQ-FM; AM has new call)
VA Charlottesville 93.5 WBBC-FM (WBBC)
VA Charlottesville 95.3 WQWZ (WQMC)
VA Mechanicsville 92.7 WDCX (WZZR), "Power-93"
VA Virginia Beach *88.5 WDDC
WA Spokane 88.9 KKZZ (KOSP)
WV Charleston 96.1 WVNS (WBES)
WV Vienna 100.1 WBSN
WI Stevens Point 104.9 WMGU
WI Teaneck 104.2 WTRH (104.3 WYIC, not WYIC)
AR Red Deer 98.9 CTTZ (CFPR), rp., "Zed-99"
BC Sechart 104.1 CISE
SK Swift Current 94.1 CIMG (CJGL), "Magic-94"

Facilities Changes Granted

AL Birmingham WKXX 106.9 351 m (100000 h.v.)
AL Huntsville WAHR 99.1 300 m (100000 h.v.)
AL Montgomery WLWI-FM 92.3 100000 h.v.; 334 m
AK Fairbanks KQRZ 102.5 100000 h.v.; 133 m
AZ Clinton KJJJ 102.1 (from 95.3) 66500 h.v.; 716 m
AR Marshall KZRQ 104.3 310 m (100000 h.v.)
CA Camarillo KMRO *90.3 4400 h.v.; 381 m
CA Garden City KOSZ 103.3 (from 107.1), 4200 h.v.; 246 m
CA King City KLF4 93.9 214 m (5400 h.v.)
CA Los Altos KLEZ 97.7 1600 h.v.; 137 m
CA Pacific Grove KOCN 104.9 940 h.v.; 170 m
CA Pasadena KPCC *89.3 600 h.v.; 891 m
CA Porterville KJDD 99.7 24000 h.v. (210 m)
CA Redlands KUOR *89.1 35 h.v., adding vertical; 948 m
CO Grand Junction KQIX 93.1 100000 h.v., d-a (directional antenna; 313 m)
CO Pueblo KTSU, "do's show" v.; 150 m, adds v.
CT KISS 107.1 2800 h.v.; 103 m [19 h.v.; 221 m
CT Waterbury WFCB *105.3 (from 97.9), 1, non-ID [403 m
CT Fort Myers WINK-FM 96.9 100000 h.v.
FL Jupiter WXSJ-FM 107.1 (from 96.7), but "has been off since April"
FL Key Largo WVBH 103.9 3000 h.v.; 57 m
FL Key West WJIR *90.9 390 h.v.; 37 m
FL Marianna WJNF *91.1 47 m (380 h.v.)
FL Panama City WILN 105.9 (from 106.3)
FL Pensacola WTKX 101.5 40000 h.v.; 429 m
FL Vero Beach WPCX 101.7 1500 h.v.; 144 m
GA Albany WQCF-FM 104.5 92500 h.v.; 306 m
GA Douglas WDMG-FM 99.5 100000 h.v. (310 m)
IL Jerseyville WKXX 104.1 40000 h.v.; 167 m
IN Greensburg WRZD 107.3 150 m (50000 h.v.)
IN Madison WORX-FM 96.7 3000 h.v.; 97 m
IA Wartonsville WCBK-FM 102.3 10500 h.v.; 170 m

FCC-5

IA Clarion KRIT 96.9 176 m (100000 h.v.)
IA Dubuque K232BS 94.3 has KXIX 99.3
Dyersville on it, not KOK 105.7 Waterloo
IA Sac City (new) 105.1 3000 h.v.; 67 m
IA Sioux City KTFC 103.3 100000 h.v.; 83 m, adding vertical [1000 h.v.]
KS Arkansas City KWKL 106.5 390 m (100-/KS Colby KTCC *91.9 3000 h.v.; 55 m
KS Dodge City KDCK 95.5 176 m (100000 h.v.)
KS Lawrence KLRZ 105.9 236 m (100000 h.v.)
KS Pittsburg KRPS *89.9 305 m (100000 h.v.)
KKOW-FM 96.9 303 m (100000 h.v.), "Solid Gold 96.9"
KY Glasgow WGGC 95.1 301 m (100000 h.v.)
KY Henderson WQXZ 95.9 300 m (100000 h.v.)
KY Richmond WMLC 101.7 95 m (3000 h.v.)
LA Monroe KNLH *92.7 250 h.v.; 51 m
LA New Orleans WQVE-FM 93.3 100000 h.v.; 305 m
WBYU 95.7 300 m (100000 h.v.)
WYLD-FM 98.5 305 m (100000 h.v.)
LA Shreveport KWHF-FM 94.5 333 m (100000 h.v.)
MO Grassville WBVEY 103.1 100 m (3000 h.v.)
MA Duxbury WDBY *91.7 120 h.v.; 22 m. This station exists on paper, but does not operate. It has a 1983 application on file for 7 kw
MA Pittsfield WBFC-FM 105.5 550 h.v. (100' m)
MA Winchendon WJNQ 97.7 1750 h.v. (134 m)
MI Charlevoix WKHK-FM 105.9 306 m (100000 h.v.)
MI Ironwood WJPM 106.9 53000 h.v. (149 m)
MI Zealand WJOK 99.3 2500 h.v. (107 m)
MS Charleston WTVG 94.3 3000 h.v.; 100 m
MS Collins WKNN 101.7 1000 h.v.; 165 m
MS Meridian WOKX 97.1 319 m (100000 h.v.)
WJDD-FM 101.3 319 m (100000 h.v.)
HO California KZMO-FM 94.3 1750 h.v.; 319 m
MO Dexter KDBX-FM 102.3 85 m (3000 h.v.)
MO Joplin KKUZ 102.5 303 m (100000 h.v.)
MO Kirksville KRXL 94.5 299 m (100000 h.v.)
MO Rolla KMNR *89.7 450 h.v.; 99 m
MO St. Louis KMJM 107.1 313 m (100000 h.v.)
MO Warrensburg KCMW *90.9 457 m (100000 h.v.) [h.v.; 122 m, "K-Oldies"
NE Lincoln KLDZ 95.1 (from 95.3) 50000 v.
NE Ogallala KGG4-FM 99.7 10000 h.v.; 245 m
NE Omaha WOW-FM 94.1 383 m (100000 h.v.)
NJ West Long Branch WMCX *88.3 11 m (500 h.v.) 1000 v. [replaces coverage
NM Gallup KUUL 99.1 35 m (100000 h.v.)
NY Albany WYRL 103.1 3000 h.v.; 99 m
WGNA 107.7 12500 h.v. (288 m) [adds v.
NY Brentwood WXBA *88.1 180 h.v.; 29 m/
NY Fulton WKFM 104.7 150 m (50000 h.v.)
NY Patchogue WBLI 106.1 50000 h.v. 39000 v (100 m)
SC Columbia WYCF 105.7 301 m (100000 h.v.)
NC Morantown WQXX 92.1 100 m (3000 h.v.)
NC Raleigh WTLI 96.1 100000 h.v.; 300 m
NC Winston-Salem WMQX-FM 93.1 317 m (100000 h.v.) [h (23 m), no v.
OH Wooster WCVS *90.9 (from 91.9) 3000/
OK Bristow KREK 104.9 2600 h.v.; 107 m
OK Duncan KRHO-FM 102.3 100 m (3000 h.v.)
OR Lake Oswego KMJK 106.7 100000 h.v.; 304 m
OR Medford KTMJ 93.7 31000 h.v. (994 m) (new) 105.5 31000 h.v.; 982 m [100 h.v.)
OR Portland KPPO-FM 93.7 476 m (100-)
OR Riley K212AQ *90.3 (from K215AU 90.9)
OR Valley Falls K21CB1 *91.1 (from K207AM 89.3)
PA Hazleton WWSH 97.9 d-a; "since it went directional, we have lost one beautiful music station" in the Allentown area
PA Lancaster WDAC 94.5 13000 h.v.; 247 m
PA Philadelphia WSNJ 104.5 16000 h.v.; 266 m
SC Charleston WZLZ 103.5 10000 h.v.; 302 m
SC Conway WYVA 104.1 200 m (100000 h.v.)
SC Goose Creek WWHF-FM 94.3 1450 h.v.; 146 m
SC Hampton WBHC-FM 103.1 100 m (3000 h.v.)

IN Dayton WFCB 104.9 400 h.v.; 150 m
TN Memphis WGKX 105.9 303 m (100000 h.v.)
TX Corpus Christi KZFM 95.5 d-a
TX Dallas KNON *89.3 100000 h.v.; 99 m
TX Cabel-FM *90.9 100000 h.v.; 483 m
TX El Paso KLTQ 94.7 100000 h.v.; 364 m
TX Kerrville KRVL 94.3 3000 h.v.; 2 m, decreases coverage
TX Lake Jackson KZFX 107.5 94500 h.v.; 601 m
TX Merkel KFQX-FM 102.7 (from 102.3) 10000 h.v.; 186 m, Class C1
TX Paris KBUS 101.9 (from 103.9) 50000 h.v.; 150 m
TX Port Arthur KHYS 98.5 530 m (100000 h.v.)
TX Robstown KRQB-FM 99.9 291 m (100000 h.v.) [383 m
TX San Marcos KEYI-FM 103.5 95500 h.v./
TX Bentonia KLTZ 99.5 40000 h.v.; 900 m
UT Centerville KCGL 105.7 (from 105.5) 13500 h.v. (293 m), Class C2 [500 h.v.; -76 m
VT Sait Lake City KUFH *91.7 (not 88.3)/
KCPX-FM *98.7 40000 h.v. (1168 m)
VT Burlington WEFZ 92.9 46000 h.v. (823 m)
VA Richmond WRFK *106.5 7600 h.v.; 376 m, to become commercial (1415 m)
WA Walla Walla KAFR-FM 97.1 65000 h.v./
WA Yakima KXDD 104.1 441 m (100000 h.v.)
WI Ashland W215AE *90.9 (from W214AE 90.7), a WNCB *89.1 Duluth MN translator. "I'm not happy that you wrote the FCC requesting the change from 90.7 to 90.9; this could uncover a can of worms"
WI Janesville WJVL 99.9 19000 h.v.; 152 m
WI Ladysmith WTVG 103.7 327 m (100000 h.v.)
WI Prairie du Chien WPHE-FM 94.3 1150 h.v.; 163 m
WI Ripon WYUR-FM 96.1 2000 h.v.; 123 m
WI Stevens Point WSPZ 97.9 51000 h.v. (104 m)
WI Frederiksted WVIS 106.1 50000 h.v.; 298 m
BC Victoria CKKO 100.3, "Q-100"; not moving to 92.1. CBC radio and Roger Charest agreed to the change, with CBC to apply for either 91.5 or 92.1, serving Victoria from Mt. Work. Meanwhile, some neighbors in nearby Langford are objecting to the unsightliness of the proposed tower. CRTC is delaying CKKO's start until after the tower site hearings are held. CKKO, which was poised to begin as "Q-92," now must wait.
ON Cornwall CKON 97.3 500 watts, IDs as "Akwasne" ON (Cornwall Island?)

Stereo, or to be stereo

CA Freedom KLZC 107.5, c, competing with KBOO 92.7 Marina
FL Fort Myers WAYJ *88.7, ID with Naples, "Way FM" (strict), gr ("quite hard rock")
FL Marco WAVV 101.1, rm, "Wave-101"
FL Wadsworth WZLS 96.7, r, "Z-97"
MI Zealand WXYB *89.3, Feb. target date
MN Faribault KUFN 95.9, now in true S, KQ-96 (not strict), r ("all hits, all the time"), ID with Northfield, and like many stations in this area illegally leads off without the city of license, but says "Northfield-Faribault." It "sounds like automatic rock, and no different from many other stations." Not 24 hours; "one night I checked at 11:35 and they were already off."
PA Bradford WBRR 100.1, rm, "Cool 100," with music from the 1960s, '70s and "some music from the present"
TN Harrogate WLMU *90.5, cj
MR Cuernavaca XHMT 95.7, m, FM Globo Stereo



XHVS 97.3, m, Stereo Rev

No Stereo, Remove S Listing
ID Boise KBSU *90.3, because fall fund drive fell \$6000 short of its goal, it "discontinued one cable to the transmitter to save money by broadcasting in mono." Also it goes from 24 hours to 6 a. m. to midnight weekdays, with 24 hours only on weekends, ending midnight Sunday. BSU students quoted as saying they're "tired of paying \$2 a semester for something that is defined as an activity fee but that they don't get to participate in."

Format Changes

Formats are the same as in the FM Atlas
AK Kenai KZCP *91.3 cj, KSka *91.1 relay
AK Ketchikan KGTW 105.7, "a satellite AC format," not known if Stereo
AZ Oracle KHOT 103.1, r, "Y-101.7 FM" (strict, in honor of Tucson translator, K269-CY, "which has a much better signal" than the primary)
AZ Barling KPHN 94.5, gr, "contemporary Christian...filling a void when KCFD-FM Tulsa went country," Stereo, TX Radair, 92 kHz. "It will be interesting to see if there will be enough SCA signal of the Fayetteville translator at 101.7 to generate a picture." All Radar Services are at 92 kHz.
CA Angwin KCDS *89.9, r, "I've heard nothing but g-publim since their change from KPRN years ago, and am somewhat dubious of that g designator"
CA Pacific Grove KAZU *90.3 js, "with possibly some new age mixed in"
CA Redding K269-A, 100.3, r, "new age"
CA San Luis Obispo KCBX *90.1 cj
CA Santa Cruz KZSC *88.1 no Spanish-language, cj now for the most part
FL Key West WEOW 92.5, rm
FL Miami WGR 97.3, rp, "97.3-TR"
FL Micanopy WGGG-FM 97.7, m, no non-ID
FL Williston WFEZ 92.1 b
GA Atlanta WRFK *89.3 jf (from jk)
IA Nampa-Boise-Cadwell KLCI 96.9, rj, rock oldies daytime, new age at night, "FM-97"
IA Bettendorf KBCQ 93.3, g
IA Charleston KCLR 105.5, r, dual programming and ID with KLAB 97.7 Lamoni
IA Des Moines KLYF 100.3 no non-ID, r (oldies) [3 p. m.]
IA Sheldon KIWA-FM 105.5 kg (much) v. after LA Baton Rouge WQXY-FM 100.7 m
LA Hammond KSLU *90.9 tp
LA Laplace WKWF-FM 92.3, r, "Classic Rock, FM-92," offices also in Baton Rouge
MI Ann Arbor WPAU 107.1 cj, "easy listening days, new age nights"
MI Wyoming WYCE *88.1 ef, also j, blues, with format changing last July from mainly rock.
MN Cloquet WKLK-FM 109.9 m, still AM-FM simulcast, except for some sports, weekend polka and folk shows
BT Billings KOOK 102.9, m, "e-c"
KOHZ 103.7 b, Stereo, "Cozy"
NM Los Alamos KKR8 98.5 back to air, 100 v. r., "rock oldies by day and Spanish programming at night. Station studios now moved from Albuquerque to Espanola NM, where they share space with KEVR (102.3). Street talk is that KKR8 failed to receive any bids at a recent auction." Not known if dual-city ID with Albuquerque continues
NY Canton WVNC 96.7, r, sounded like WENC, not WVNC on tape made by Alain Pappin
OH Cleveland WQOK 102.1 m, "the new WDDK...out of the elevator and into your heart," ending tonight new-wave music
OH Elyria WNVV 107.3 m, "The Wave," burying Elyria in a once-per-hour ID. The station ID clearly says the station is Elyria, but with no mention of Elyria, and only occasional mention of Lorain. It has had some of its outdoor billboards vandalized by fans of the former "Z-Rock 107" format.
OH Kettering WYUD 99.9, r, "delightful 100"

slogan; ID with Dayton
 OK Tulsa KUSO 98.5 k, "The New US 98.5 FM" (strict)
 PA Philadelphia WMMR 93.5 p, 1b, m rrc
 TX Crackerk KBHT 93.5 r, "SMN CHR"
 TX Freepor KGLF 103.3 k, "Gulf" write in and let us know if it has stereo
 TX Marlin KRXX 96.7 r, "K-Rocks"
 WA Seattle KUOW 94.9 tc
 WA Wenatchee KYJR 104.9 rp, "album rock"
 WI Park Falls WHBM 90.3 tc, to carry Wisconsin Public Radio's "news and information" service days; to have 1T subcarrier, 67 kHz; expected on air Spring, 1988
 BC Kelowna CHIM 104.7 rp
 BC Penticon CJMG 97.1 r
 MB Brandon CKX-FM 96.1 p
 MB Thompson CBWK 100.9 te
 NB Fredericton CHSR 97.9 r
 NS Sydney CKPE 94.9 k
 ON Cornwall CFLG 104.5 b
 ON Hamilton CKDS 95.3 bc
 PQ Fermont CFMF 103.1 m
 PQ Verdun CKOI 96.9 r, ID with Montreal
 SK La Ronge CBKA 105.9 te
 SK Regina CFMD 92.1 mr
 NT Alert CHAR 105.9 kr
 Acapulco GR XHN 1 99.3 m
 XHSE 100.1 r
 Guacalajara JA XHSC 93.9 m
 Leon GT XHSD 99.9 m
 XHMD 104.1 m
 Mexico DF XHV 132.5 m
 Monterrey NL XHSR 1 92.5 m
 XHSR 97.3
 Nogales SO XHQT 102.7 m
 San Luis Potosi SL XHOD 96.9 m
 XHPM 100.1 r
 Toluca MX XHZA 103.1 m

NonIDs, Not Just Slogans

IL E-Mobile WBLX 92.9 93-BLX
 A7 Green Valley KFXX 92.1 K-tox FM (strict), but they also ID their translator K280CE 103.9 (South Tucson) every hour, on-air references to both frequencies"

Multi-City Identifications

AR Fort Smith KMG 99.1 no nonID, says "KMG Air Country Giant"
 CA San Francisco KEAR *106.9 no nonID, "Family Radio" is a network identification; station on its own breaks always gives call letters
 FL Boca Raton WKDS 99.9 99.9 Kiss FM
 FL Cape Coral WRCC 103.9 FM-104
 FL Cocoa WEZY-FM 99.3 EZ-99
 FL Crystal River WKTK 98.5 98.5-KTK
 FL Fort Pierce WOVV 95.5 HitRadio 95.5 (not "FM-96")
 WKGR 98.7 98.7-KGR
 FL Gainesville VYKS 105.5 105-Kiss FM
 FL Green Cove Springs WPDQ 92.7 Q-92.7
 FL High Springs WKA 104.9 K-Country 105
 FL Live Oak WQFL 98.1 Q-98 (not "Q-Country")
 FL Palm Beach WRMF 97.9 FM-98
 FL Plantation Key WCTH 100.3 Catch-100, m (big bands), \$
 FL Vero Beach WCXJ 101.7 Crystal-101.7
 WAVY 105.5 Wave Country 105.5
 FL West Palm Beach WEAT-FM 104.3 Easy-104
 WTRK 107.9 Country K
 FL Winter Haven WPCV 97.5 97-Country
 GA Brunswick WIGW 100.7 Country-100.7
 GA Dublin WKXZ 32.7 93-KKZ
 GA Macon WPEZ 107.9 2-106 (from "Easy Hits 106"), still rm, \$
 IL Springfield WFSN 97.1 no nonID
 IN North Vernon WNV1 106.1 no nonID, no multi-city ID
 IN Shelbyville WENS 97.1 no nonID
 IA Creston KTR 101.7 no nonID, not saying "Creston Radio"
 LA Leesville KJAE 92.7 KJ-92

Off Air, or Not Yet On

AZ Payson KAFM 103.9, plus translators. "The former mayor, who owned the AM station, got the zoning changed, and denied the station its original transmitter site. I found a site which we operate from for almost two years pending upgrade to Class C (104.3), but the same people filed delaying papers against the Class C, and it up from 1983 until now (it still hasn't been granted), and also cut down the antenna during the 1986 Rodeo. The station could not recover from the financial losses in fighting the litigation and the vandalism, and went dark. The problems caused my partner to have a stroke and die earlier this year. Quite a sob story, and not so funny if you think the FCC knew about all this and didn't do

MA Haverhill WLYT 92.5 W-Lite 92.5
 MI Bad Axe WLEW-FM 92.1 Cruise-92
 MI Detroit WDET *101.9 FM-102, jn WQRS 105.1 no nonID, having ended "Timeless 10"
 MI G* lord WMGZ-FM 95.3 Magic-95
 MI Warren WPHS *89.1 MusicRadio
 MN Detroit Lakes KKDL 95.3 Fun Country (strict) (from "FM-96")
 MO Memphis KMEM 96.7 Country-96/
 MT Billings KZLS 97.1 Z-97, no SCA (had music, 67 kHz)
 NE Columbus KLIR 101.1 no nonID
 NE Fairbury KUTT 99.3 Sweet-99
 NY Buffalo WPHD-FM 103.1 no nonID, but says "103.3 WPHD."
 WHTT 104.1 no nonID, saying "Classic Hits 104.1" always with call letters
 NY Niagara Falls-Buffalo WISE 98.5 Kiss-98.5 NY Rochester WWSW-FM: 97.9 96-PXY
 WZDZ 101.3 EZ-101.3
 NC Charlotte WRQQ 95.1 Laser-95.1
 ND Fargo KDSU *91.9 no nonID (not "SU-92"); ID with Moorhead MN
 OH Johnston WZTT 103.1 Z-103
 PA Erie WJET 102.3 Jet-FM-102
 SC Anderson WCKN 101.1 Hot Hits
 SC Georgetown WGMB 97.7 Power-98
 TN Oak Ridge-Knoxville WOKI 100.3 FM-100
 TX Wichita Falls KNIN 92.9 Power Hits-92.9
 WI Milwaukee WLZR 102.9 and "Great White Radio... The Great White Hope..." They play no black artists, just white reedneck AOR, I just love the way deregulation has made broadcasters more responsible."
 ON Windsor CJOM 88.7 Laser Rockin' OM-FM
 PQ Montreal CKUT 90.3 Radio McGill (strict), "is an English (my God, that's illegal) college station... Lots of public affairs stuff concerning the college"

Canadian Licence Renewals

Plu Coaticook CFIN 104.5 said to have not been renewed, with broadcasting ceasing July 4, 1987; however, our reporter has more recently monitored it (see last month, p. 3, col. 1, "Stereo," and you'll find that it apparently is still on the air.)
 PQ Maniwaki CHGA 97.3 got a 3-year licence (Canadian spelling renewal "after improvements in its programming and community orientation were effected."
 PQ Ste-Therese CFOW 103.1, licence renewed for only three months. Was off the air for several months, having resumed Sept. 21, 1987, and is hoping to be allowed to operate 112 hours instead of its present authorization of 56 hours a week

On the Air

See this feature in FMedia!

Deletions

CA North Hollywood KN08-1 97.9
 HI Hilo KIPA-FM 100.3, application "dismissed"
 IL Quincy WJAV 103.9, "ant rescinded"
 IA Des Moines K269AC *101.7
 MO Eldon KKN0 101.9, "ant rescinded"
 MT Miles City K214AM (replaced by new grant, see above, "New")
 NY Utica W220AF *101.3, a WRVO Oswego translator (see "New," above)
 TX Hebronville KCFL 101.7, "denied extension of time, p cancelled"
 TX Stamford KZDM 92.1, "denied extension of time, p cancelled"
 VA Manassas WRQX-1 107.3
 PQ Rimouski CKLE 96.5
 PQ Riviere-du-Loup CION 103.7--both these shown "serous and persistent compliance difficulties," despite repeated admonitions by the CRT. They were to have ceased operations Sept. 30, 1987

CA Greenfield KSUR 99.5
 CA King City KRKC 102.1, but due to come on in Feb.
 CA Santa Cruz KWIS *89.9
 CO Evergreen 9C.5, correcting report that said they are on the air using FCC file number in lieu of call letters. "I really think [your reporter] heard either KKFM from the Springs or a spurious emission from KWBI *91.1 Morrison, which has been testing its new 100 kw facility. KWBI's transmitter is very close to Evergreen, and there are a lot of unusual 'skips' [sic] along the Front Range."

IN Indianapolis WAJC *104.5 was off the air for about three weeks, but now back on with reduced power from a temporary 30-meter tower, with a "very good" signal. The original tower was shown on TV, on the ground. "A guy wire snapped in the 110-km tower... The station has a strange format. They never settle on anything, and keep changing the format. Also damaged in the storm was the antenna of WHSK *98.9 Kokomo, which continues on the air, monophonicly." The WHSK antenna now has a bend in it.

IN South Bend W252AG 98.3. "WCSY and no trace of WBXM is heard throughout downtown and the northern and eastern suburbs"
 LA Erwinville KPAA *91.5
 LA Thibodaux KNSU *91.5 with 10 watts, not yet moving to 91.3 with 3 kw. "I wonder if it will ever get on" with the higher power
 NM Portales KKHJ 95.3 (along with AM station KENM)
 NY Mayville W211AE *90.1
 NY Watkins Glen W215AB *90.9, not mentioned on WSKG-FM *89.3 translator list

AM Happenings Most Likely Caused by FM

Sony stops selling multisystem AM stereo radios in the U. S. with Kann, C-Quam capability, claiming "they didn't sell very well." Now no manufacturer is known to sell Kahn sets, unless it is Kahn himself. For more, see FMedia!

Readers' Reports

Norval Pagenhardt sent a listing of the FM stations of Chile from "Radiosucha," that country's equivalent of ANARC. Station powers range from 250 watts to 10,000 watts, which I assume are transmitter powers, not ERPs (effective radiated powers). "The burning question here is WHEN does the new FM Atlas come off the press? I am sorely in need of one as I sent Saul (in Chile) my copies of the last issue. There are a lot of new FM stations here in Tidewater area. I have considerable difficulty keeping up with their newly assigned call signs. Need FM Atlas very much! He sent news through friend Hank Holbrook, including WESM *91.3 Princess Anne MD offering jazz, \$, "with a strong signal. WFCJ Salisbury is now on with local-like signals on 89.5 and there is a construction permit for WDJF Salisbury on 90.3, and Easton is supposed to get a translator on 90.7, relaying WOEL Elkton, 39.9." New Atlas should be at the printer by the time you read this. I had to delay its production to turn out the Jan. FMedia! and the February FCC-FM column. Feel free to advance order at \$9.95 plus \$5.55 postage-if you're willing to wait up to a month (or so) before receiving the book. It is expected to be 176 pages, and I have just decided on the printer--the one I had last time--in Benton Harbor MI. The book's timing should be good for use during the 1988 spring trope season, and for the rest of the year.

Ben Wilkie says WFTM-FM Franklin NH on 94.1, having been on 94.3, r. Jeff Blair sent news from a trip from OH to the S.E., and he, too, wants to be notified of the 11th edition FM Atlas. John Ebeling sent a newspaper supplement largely devoted to KBEM *88.5 Minneapolis, a source of jazz for area lovers of that form of music, but with high school students as the announcers, who are learning radio. This makes the audience tolerate their mistakes while, getting a source of the music they like, unavailable elsewhere on the FM dial. Some of the students are former drop-outs, having been lured back to school by the chance to do radio at K2FM.

Frank Aden sent word of KXXR 106.5 Liberty MO being bought by Olympic Broadcasting of Seattle. The \$4 million cash purchase was contingent on KXXR's getting approval to relocate its tower from Liberty MO to Kansas City, which the FCC has just approved. KXXR thus will end its rim-shooting of Kansas City. Plans are in the works for KRBM *90.9 Pendleton OR to expand its signal, with a translator atop 7,123 foot Lookout Mountain southeast of Baker, "within a year or so." KRBM carries OPBS classical music, "culture" and jazz until 8 each night, then the students take over and it becomes a rocker, until midnight. This gives the college students experience, and area high

ON Lac la Biche 89.9 frequency, power not given, Will be 10 watts.

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high school students are said to like the new nighttime programming. KCDA Coeur d'Alene will probably be one of the first Class C1 stations on a Class A channel, having petitioned the FCC for 103.1C1. They want 36 kw.

Ralph Strobel got word from WJCH *91.9 Joliet IL that they have no translators, so he's still wondering what he has heard on 88.3, and thinks it must be a pirate. Pat Dyer has tracked down the site of his local 94.3 translator, about 2 km from him. He thinks the new *89.1 San Antonio will end up sharing an existing tower. Greg Coniglio sent news, including the dropping of "K-94" by WBLK 93.7 DePew-Buffalo NY.
 Alain Pepin says "Watch for 'Radio-Fusion' IDs on CJLA 104.9 Lachute whenever they merge ('fusion'--get it?) with CHPR *91.2 Hawkesbury. ID heard was 'Radio-Fusion 104.9 ou Quebec, 102.1 en Ontario." He offers a C-90 full of stations from PA to NE, then to MN and MI. "They are under production, and anyone with \$4 can get one with a detailed index complete with time and date of each of the over 400 IDs that managed to fit in (plus a blooper segment)." Order from Alain Pepin, 234 rue Montcalm, St-Jean-sur-Richelieu PQ J3B 3N8, CANADA. I have heard the tape, and think it is excellent; well worth the price he's asking.

Canada's Broadcast Technology magazine published a letter by Al Ellis: "At a recently-held convention in Esko, Minny-So-Ta, I was offered a complimentary issue of Broadcast Technology. I found it informative and applied for a subscription. . . I am now over 80 and retired, many years ago. I still use radio as a hobby for pleasure, not unlike Bruce Elving, and I have verifications from all over the North American continent, as well as from stations on TV and FM from England, Paris and Bermuda." He sent a card showing "Amateur Broadcasting Station 10-BQ" Brantford ON from the 1928-38 era, in which he is pictured, the only person in the group of seven still living.

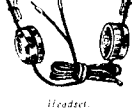
In that same magazine it mentioned one of the milestones in communications, when the CT State Police moved from AM to FM in 1940. "FM radio proved a vast improvement over AM by reducing static and other electronic 'noise' and the Connecticut system paved the way for a nationwide switch from AM to FM." When will broadcasters finally put AM to rest, and make the switch, which the CT police showed to be beneficial back in 1940?

The Nov. 23 "Broadcasting" magazine has a letter, p. 30, from a Joseph B. Martin, North Chicago IL, about the stupidity of the FCC not allowing K and W call letters anywhere in the country. "There's really little to rejoice about in this decision. The FCC long ago gave up any pretense of regulating station identifications, the primary purpose of call letters. L. the Chicago area there are 20 Class B FM stations. Eleven of these identify either primarily or almost exclusively with slogans, such as B96, Prairie-92, Q-101, FM-100, Lite Rock 102, Z-95, The Loop 98, rather than their assigned call letters. . . . Only totally ignoring what was actually happening in the marketplace, the FCC has allowed an incredibly chaotic, duplicative (how many FM-100's does America have?) system of station identification to take root and flourish."

Ken Simon reports on area pirates in South Florida. "WMTV" is in Greenacres City, while the other two are somewhere in Palm Beach County; each uses 91.7 (WMTV having been on 103.1, and then 95.9)
 WMTV musical variety, claims 60 watts, with "Channel 8 TV capability"
 WMTL heavy metal, 60 watts, sharing frequency
 WSTI? about 2 watts, changes calls, frequencies "a lot"

		Baltimore-Washington By Frank Drobny and Gus Mancuso					
Freq.	1949	1955	1958	1961	1965	1975	1987-88
92.3	XX	XX	XX	WYOU	WSID-FM	WLPL	WYST/ WYST-FM1
93.1	WCBM-FM	XX	XX	WFM	WPCO	WPCO	WPCC1
93.9	WRCF-FM	WRC-FM	WRC-FM	WRC-FM	WKYS	WKYS	WKYS2
94.7	WMCP*	-	-	WJMD	WJMD	WJMD	WLTR8
95.1	-	-	-	-	WRBS	WRBS	WRBS1
95.5	-	WBWZ9	-	-	WPGC-FM	WPGC-FM	WPGC-FM3
96.9	WOOK5	-	-	-	WISZ-FM	WBKZ	WPCF-FM/ WHIN-FM10
96.3	WINK-FM	WTOP-FM	WTOP-FM	WTOP-FM	WTOP-FM	WHUR	WHUR2
96.7	WBWZ9	-	-	-	-	-	WSPH/WBYG1
97.1	WASH	WASH	WASH	WASH	WASH	WASH	WASH
97.9	WMAR-FM	-	WBAL-FM	WBAL-FM	WBAL-FM	WYNY	WYNY1
98.7	WOL-FM	WOL-FM	WOL-FM	WOL-FM	WOL-FM	WMOD	WMQZ2
99.1	WNAV-FM	WNAV-FM	WNAV-FM	WNAV-FM	WNAV-FM	WNAV-FM	WHFS12
99.5	WOCF-FM	WCF-FM	WCF-FM	WCF-FM	WCF-FM	WCF-FM	WCF-FM2
100.3	WJAB	WFAN	WFAN	WFAN	WFAN	WFAN	WGRX4
100.7	WJAB	WFAN	WFAN	WFAN	WFAN	WFAN	WGRX4
101.1	WDDC-FM	WDDC-FM	WDDC-FM	WDDC-FM	WDDC-FM	WDDC-FM	WDDC-FM2
101.9	WFBR-FM1	-	-	-	WTFW-FM13	WLIF	WLIF1
102.3	WGA-FM5	-	-	-	WHFS	WTKS	WMMJ8
102.7	WCAO-FM	WCAO-FM	WCAO-FM	WCAO-FM	WCAO-FM	WXYV	WXYV1
103.1	WBCF-FM8	-	-	-	-	-	-
103.5	WQOW-FM	WGMS-FM	WGMS-FM	WGMS-FM	WGMS-FM	WGMS-FM	WGMS-FM2
103.9	WHIP5	-	-	-	-	-	-
104.1	-	-	-	-	-	-	-
104.3	WTH-FM	WTH-FM	WTH-FM	WTH-FM	WTH-FM	WTRT-FM	WTRT-FM14
105.1	-	-	-	-	-	-	-
105.5	WARL-FM6	WARL-FM	WARL-FM	WARL-FM	WARL-FM	WARL-FM	WARL-FM6
106.7	-	-	-	-	WCBC	WBMD-FM	WYTK
106.9	-	-	-	-	-	WXR4	WYTK
106.3	WEAM-FM6	WUST-FM8	-	-	WCBI-FM	WRLX	WWR4
106.5	-	-	-	-	-	-	WWR4
106.7	-	-	-	-	WPRW-FM	WEZR	WWR4
107.3	WMAL-FM	WMAL-FM	WMAL-FM	WMAL-FM	WMAL-FM	WMAL-FM	WMAL-FM1
107.9	-	-	-	-	WANN-FM	WANN-FM	WANN-FM1

Notes on the above to be published later. Corrections, further updates to this list will be appreciated. 731y.



One problem that often comes up in strong signal environments (where the majority of us live) is that of images, or "spurs." These are the spots on the dial where a station comes in at an unintended frequency or channel. It is an audible irritation and a DX'ing handicap when that local radio station at 94.1 also shows up at thirteen other places on the dial. This article will explain how images are formed, why they occur, and what (if anything) can be done to help eliminate them.

Practically every TV and radio receiver built since the introduction of the "superheterodyne" principle in the 30's operates with a frequency converter -- a circuit or device that changes the frequency of an incoming [RF] signal to a lower frequency [IF] output signal which contains the same information. This "conversion" is fairly easy to implement in a circuit called a "mixer." Fig. 1 shows how a mixer really operates like an AC multiplier; it accepts two signals and produces an output whose frequency is the sum and difference of the two input frequencies.

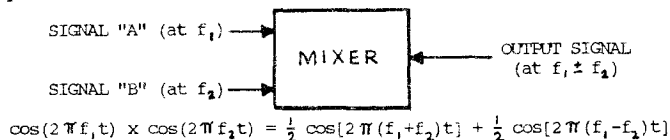


Figure 2 shows where the mixer functions in a receiver. The mixer accepts a "local oscillator" signal [LO] and the RF signal from an antenna, and produces the down-converted IF signal. This may then be conveniently processed and demodulated.

Engineers realized before 1900 that music or voice could be made to travel over great distances if it could be somehow sent out at a much higher frequency [RF]. Of course this can be accomplished by modulating a carrier with the [baseband] audio signal. For several years that transmitted carrier was received by a radio which merely tuned as close as possible to the station and then detected it. The selectivity of those early radios was dependent on the number of tuned circuits, which were difficult to build and prone to drift. With a mixer, however, it is possible to merely tune near any of the carriers available at the antenna, down-convert any of those to one, common IF (Intermediate Frequency), and build the rest of the radio to operate at just the IF. This makes possible straightforward, inexpensive design of very selective (and sensitive) receivers.

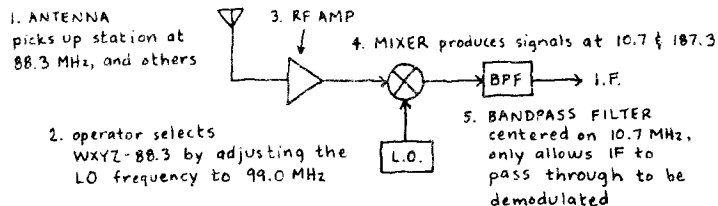


Fig. 2 BASIC "FRONT END" OF A TYPICAL RADIO OR TV

An AM radio typically accepts signals between 540-1600 kHz and downconverts them to a 455 kHz IF. Likewise, the 88-108 MHz FM band is converted to 10.7 MHz IF in the tuners used by DX'ers. Your TV set probably has an IF of 45 MHz.

Now back to Figure 2. Note that the mixer comes up with both sum and difference frequencies. This is where images come from. (The equation given in Fig. 1 is the simple trig. formula for the product of two cosines, since the mixer ideally is just an AC multiplier. The difference frequency is, by convention, called the IF, while the sum frequency is not desired and is deliberately removed.) For example, suppose it is desired to set the radio at 600 kHz. This means that the locally generated carrier (LO), if the radio has an IF of 455 kHz, will be at 600 + 455 = 1055 kHz. No problem, unless a station is on the air at 1510 kHz, because 1510 - 1055 = 455 kHz! The station

IF is completely arbitrary, one should choose an IF at some lower frequency so that any images will occur outside the band of interest. Notice how the FM IF, standardized at 10.7 MHz, does not permit images to pop up within the FM band. Take as an example a dial setting of 88.1. This means that one has tuned the LO to 88.1 + 10.7 = 98.8 MHz, and the image would have to come from a station broadcasting at 98.8 + 10.7 = 109.5 MHz, where there were no FM stations.

Another solution is to place a tunable RF stage, or "preselector," before the mixer. (See Fig. 3.) This stage attenuates the image frequency before it can ever get to the mixer. In practice, receivers are built so that when the user turns the dial, the LO and the preselector are tuned at the same time. Thus, when the radio is set at 88.1 MHz in the above example, the LO is set precisely to 98.8 MHz, and the RF amp is set as a [narrow, hopefully] bandpass filter centered around 88.1 MHz.

[A "ganged" tuning capacitor has one section to tune the LO and one or more section(s) to tune the preselector. The more sections, the better the RF stage can be tuned to only the signal of interest (SOI) and reject all others. In the better analog tuner designs, a tuning capacitor may have as many as 4 or 5 sections (Seems like the Mac MR-78 had 5; perhaps the reader can correct me on this point.), which can lead directly to excellent image rejection and much improved selectivity. (It is my opinion that today's manufacturers of digital tuners are skimping on the RF stages--using one or two stages of preselection based on varactor diode circuits, if any at all! This would partially explain why so many of our current consumer products--and especially portable radios and VCR tuners--are so prone to image problems.)]

Both approaches are used in modern receiver designs, along with consideration of shielding, proper layout (physical location) of components, and good wiring/interconnections. In practice, it is very difficult (at reasonable cost) to keep out ALL undesired signals and noise. The tuned circuits of the preselector, RF amp, IF amp, and filters can only approximate a perfect response. Very strong signals can still find their way into a receiver box through the antenna terminals. Also, the IF and LO stage signals can radiate back into the high-gain RF stages if proper layout and shielding is not used in the receiver. (More on this later.)

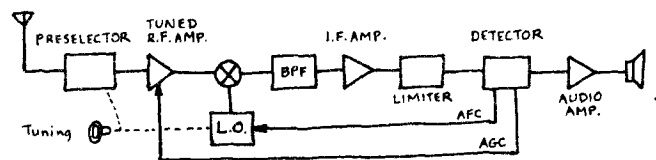


Fig. 3 BLOCK DIAGRAM OF TYPICAL RECEIVER SHOWING AGC

Consider a TV, set to Channel 20 (507 MHz). There would just be snow (or DX) on this channel, except that there is a Channel 35 (597 MHz) broadcasting from a tower just a few miles away. Sure enough, one might see 35 on 20, because Channel 35 is at 45 MHz above the IF of the TV set. In fact, the same relationship holds for the entire TV UHF range--images are possible 15 channels above or below the actual channel. This can be easily checked:

1. Images occur at twice the IF, or 2 x 45 MHz = 90 MHz
2. Channels were 6 MHz wide
3. Therefore, 90 MHz divided by 6 MHz/channel = 15 channels.

Note that there is a gap between Channels 6 and 7, and also 13 and 14, so the 15-channel image rule does not work at VHF TV. The possibility of images on or from the VHF channels is removed by those gaps, but weak images are still possible by other means.

OVERLOADING

There are a number of stages in a receiver that must amplify signals. Any one of those stages contain active devices (transistors) which can do nasty things to a signal when that signal is too strong. Audibly, distortion is heard when an amplifier (gain stage) is overloaded. Mathematically, the distortion is the result of the non-linearity of the device; in other words, the new frequencies it generates when under stress. Practically, a transistor will "saturate," meaning that there is insufficient current available to follow the signal.

The radio design should ensure that each stage does not receive more signal than it can handle. This is especially important in the RF stages of any tuner, because it must handle a very wide range of signal levels. For instance, the weakest fringe station that comes in may produce just a few millionths of a volt at the antenna. The RF amp needs to have a lot of gain to boost that fringe signal up to a usable strength. But a powerful local station

...adjustable, and automatic gain control) is employed which adjusts the gain of the RF stages to match the strength of the incoming signal (and avoid the volume going up and down all the time as a station fades). The difference between a fringe signal and a local signal may very easily be a factor of a million or more (six orders of magnitude, or 60 dB). The AGC must have sufficient "dynamic range" to accommodate all types of signals.

Another consideration in the radio or TV design is layout and shielding. If the circuitry is haphazardly laid out, or if there is a lot of interconnecting wiring, the signals of one section can radiate into others. One particularly worrisome stage is the LO, which must deliver a fairly large signal to the mixer in order for the latter to work properly. This signal is usually much larger than any RF signal, and can easily radiate into the RF stage. Since the mixer cannot tell the difference between a signal coming from the antenna and those coming from inside the tuner, the internal signals get mixed in too, generating images at all sorts of frequencies. Images that arise in this way were called "spurious responses," or "spurs" for short. This is how images show up in FM tuners, in particular. It is difficult to predict where spurs will crop up in a receiver because every model is different and capable of an endless list of possible spurious responses.

If the DX'er is currently in the market for a FM tuner (or scanner), it is wise to check the rejection ratios given in the literature. Look for IF, image, and spurious rejection ratios of at least 80 dB and preferably over 100 dB. While these figures cannot directly measure how well a tuner will perform in a real, strong-signal environment, it is clear that higher numbers can only come with better, built-in overload performance.

Should the reader be suffering from an image or overload problem, there are some measures which can be taken. All of them have in common the rather simple idea that the signal(s) causing the problems must be somehow weakened or eliminated. First, figure out exactly which signal (or in some cases, which tower that has several signals) is causing the difficulty...that is the easy part. If you're in an area with a lot of transmitters close by, find out which tower is the closest to you and work from there. Chances are, that elimination of the image(s) from one will clean up a couple of others. Other things to try:

1. Reduce preamp gain, if preamps are used. Make it switchable so it can be turned on only when listening to DX in an open part of the dial.
2. Rotate antenna (or reposition rabbit ears, wires, loops, etc.) to a direction away from the offending tower.
3. Install trap(s) which attenuate the interferer.
 - (a) Commercial, in-line fixed-channel traps cost <\$50, work well, and can give you \$200 worth of relief.
 - (b) Tunable notch filters are more costly, but allow experimentation.
 - (c) A simple homemade trap can be fabricated. Attenuation is not as deep and narrow as (a) and (b), but might be just enough. (Fig. 4)
4. Try to find a natural barrier (e.g., tall hill, building) to place between you and the interferer. DX from a different location. Move the antenna to a different part of the house--this alone can make the most radical difference of all, especially in the city.

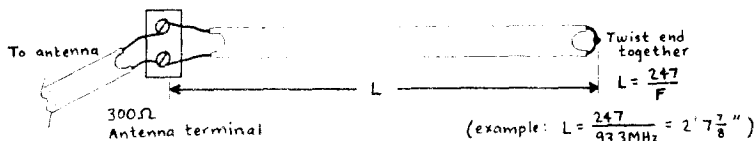
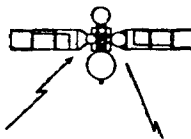


Fig. 4 QUARTER-WAVELENGTH STUB

Of course, there is no substitute for good RF design by the manufacture in the first place. Many of the connections and parts in any RF circuit can act as small antennas; therefore, shielding is important. The enclosure should be a metal box with holes no larger than a quarter wavelength at the highest frequency of interest. (Vent holes were normally OK; a large open space behind a dial or CRT may not be.) In short, nothing should get into the tuner except through the antenna terminals, and nothing should get past the first RF stage except the SOI.

Images and spurs are a nuisance that can ruin the hopes of DX for those of us living in or close to the larger cities. There is nothing in the sky to prevent skip and tropo to come into an urban area. But most often DX is curtailed by inadequate equipment, and to this end, the manufacturers are not always very helpful. Hopefully, some of the points in this article will help the majority of us who cannot afford the very best tuners available to buy wisely and use what we have already to the best extent.



SATELLITE NEWS

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

Hello again. Several new odds and ends to bring to your attention. On SBS 4 - Ku-Band - Something called F N B has been noted with business news in the AM's. Also on this bird - A S T N noted also in AM's. A T N seems to have dropped its programming and is mostly running an I.D. card. There are also several audio subcarriers on this transponder.

Now comes the bad news - scrambling to take place (testing now occurring) on TVFQ-99 on Anik - C (Ku-Band) - VC II system. VCC - the Argentinian Cable Channel on Intelsat (5W) testing B-Mac - other channels on this bird remain in the clear.

The Shipboard Sat. Net is occasionally noted on Spacenet II in the clear. Brightstar London is now using the Intelsat at 27.5W - XPDR 1 as its primary 24 hour feed. Also noted on this bird - tentatively is Television Nacional - Chile on XPDR 20. - Very Weak.

Spacenet 3R has been delayed till late February or March. Baseball backhaul feeds will encrypt using the BMac system, but more recently noted - major league baseball has hinted that regional sports channels will remain in the clear for the Sat. dish owner (like Home Team Sports, Prime Ticket, etc.)

From the mail bag - s note from Calvin A. Glover, Jr. concerning my problems with reception of different color standards and I hope to have talked directly with Mr. Glover by the time this is published.

Another letter received from Mark J. Geyman of Euclid, Ohio. He has noted the following :

- On Galaxy 3 - Sports Channel Florida - XPDR 12
- Sunshine Cable Network Florida - XPDR 9
- Home Shopping Network I - XPDR 11 - was Sky Merchant - bought out by HSN

On Westar IV - Consumer Discount Networks - XPDR 24 - now dark (I'm not too sure of this - not noted on air 1-8-88 and did note that they had been showing a lot of truly ancient movies)

Also on Westar IV - KGO from San Francisco with newscasts between 8 & 9 PM. (this has been around for a long time Mark - but they move frequently from XPDR to XPDR and Sat to Sat)

For the sports buff he recommends Westsat's Sports On Satellite (\$14.00 per year) which is a monthly guide to sporting events on sat. Mark also asks about reception of SCPC audio channels and what, if any, receivers are available to receive these. I know that receivers are available, but I'm not too sure about kits. I do not have this capacity, but have thought about it several times. Also Mark is thinking of adding Ku capacity to his equipment for reception of NBC feeds (there is still one on Sat I XPDR 8). I think Mark you should consider the Canadian Ku bird from your location as another source of sports feeds. Fineally as to CSS - I know nothing more than what was reported in the last issue - keep looking for them? To answer another question from Mark - I use a number of sources for info presented here. Satellite TV Week, Orbit, Broadcasting, Cable and Satellite Europe and my own observations and the observations of others like your self (which is greatly, GREATLY appreciated). Sat. TV Week is the most timely because it is weekly. That's all for now - see you in 30 '73's

NORTHERN FM-DX

FEBRUARY 1988

GREG CONIGLIO
5100 GLENWOOD DRIVE
WILLIAMSVILLE, NY 14221

Deadline: Thu 5th

DAVE NIEMAN - AKRON, NY. - 14001-9529

EQUIPMENT: Carver TX-11 tuner, Channel Master 4408 (Stereo Probe B) antenna & RG-11 (75 ohm) leadin at 25 feet above ground, S15 feet above sea level.

SEPTEMBER 1987

5 Tr
0001 WMLU 90.1 MI Marquette, MI, sign off 586

11 Tr
1348 CFBK 105.5 ON Huntsville, ID, sig 162

14 Tr
1142 WBNJ 105.5 NJ Cape May Courthouse, local ads. 328

17 GW
1500 CHRY 105.5 ON North York, ID, sig 66

OCTOBER 1987

4 Tr
0730 WFLD 95.7 VA Farmville, call 394

NOVEMBER 1987

4 Es
0835 WBRH 88.3 LA New Orleans, ID, sig 1110

16 Tr
0029 WFRJ 88.9 PA Johnstown, ID, sig 191



NOV. 22 Tr

0902 WNAV 107.3 OH Elyria/Cleveland, call r.s., "THE WAVE" (Ex:WCRZ-sc) 221

27 Tr

1059 WOLZ 105.1 MI Cheboygan, ID, sig 349
1100 WJML 98.9 MI Petoskey, ID, sig 359
1358 WJLE 101.3 MI Sault St. Marie, ID, sig 376
1700 CBON24 90.7 ON Kapuskasing, call, t FF 485
1930 CBLJ 88.3 ON Wawa, CBC, t 467

DECEMBER 1987

3 Ms

0909 KJTY 88.3 KS Topeka, call, sig 337

12 Es

1932 WBRH 90.3 LA Baton Rouge, call, sig 1117
1949 WJLN 95.5 MS Jackson, call, sig, "LYNN" 975

16 AU

0100 WDFC 88.5 ME Bangor, ID, sig 492
0107 CBMB 91.7 PQ Sherbrooke, // CBM CBMB call given in sign off at 0114 367

Dave

KEN DNYSCHUK - 9739 OAK PARK AVE - OAK LAWN, ILLINOIS 60452

No DX to report, but I'll contribute an FM commercial bandscan which may be of interest to some. Conditions really vary from the North Suburbs to the South Suburbs of Chicago. I'm just 5 miles southwest of Chicago Midway Airport. Here are the stations I've heard from various South Chicagoan areas, using a DB Superadio.

79.3	WYNY	WI	RACINE	pop
92.3	WYCA	IN	HAMMOND	pop
92.5	WDEK	IL	DE WALK	rock
92.7	WSEY	IL	ARLINGTON HTS	pop
92.9	WNDU	IN	SOUTH BEND	pop
93.1	WART	IL	CHICAGO	pop

* NORTHERN FM DX *

FEBRUARY 1988

KEN DNYSCHUK'S BANDSCAN - continued

94.7	WYZZ	IL	CHICAGO	rock
94.9	WAGG	IL	GALESBURG	pop
95.1	WQZD	IL	DECATUR	k
95.1	WJZQ	WI	KENOSHA	rock
95.3	----	----	----	----
95.5	WNUA	IL	CHICAGO	new age
95.7	----	----	----	----
95.9	WKKD	IL	AURORA	pop
96.1	----	----	----	----
96.3	WBBM	IL	CHICAGO	rock
96.5	----	----	----	----
96.7	WLLI	IL	JOLIET	rock
96.9	----	----	----	----
97.1	WNTB	IL	CHICAGO	c
97.3	WLTQ	WI	MILWAUKEE	rock
97.5	WZGK	IL	ROCKFORD	POL (?-sc)
97.5	WQMS	IL	CHAMPAIGN	Bfi
97.7	WLB1	IN	RENSELAEER	k
97.9	WJUP	IL	CHICAGO	rock
98.1	----	----	----	----
98.3	WCCR	IL	CREST HILL	k
98.5	WMAN	MI	COLDWATER	c
98.7	WPMT	IL	CHICAGO	c
98.9	----	----	----	----
99.1	WPMY	WI	MILWAUKEE	pop
99.3	WQVI	IN	KNOX	pop
99.5	WUSN	IL	CHICAGO	k
99.7	----	----	----	----
99.9	WBUS	IL	KANKAKEE	rock
100.1	----	----	----	----
100.3	WJDD	IL	CHICAGO	Bfi
100.5	WAKI	IN	KOKOMO	Bfi
100.7	WYEZ	IN	ELKHART	Bfi
100.9	WHPD	IL	HOOPESTON	pop
101.1	WQDX	IL	CHICAGO	pop
101.3	WLLR	IL	EAST MOLINE	pop
101.5	WNSN	IN	SOUTH BEND	pop

101.7	----	----	----	----
101.9	WCLR	IL	SKOKIE/CHICAGO	pop
102.1	WJLM	WI	MILWAUKEE	soul
102.3	WTAS	IL	CRETE	TK/MOR
102.5	WMDH	IN	NEW CASTLE	pop
102.7	WEMX	IL	OAK PARK/CHICAGO	Bik
102.9	WLRZ	WI	MILWAUKEE	rock
102.9	WSDY	IL	DECATUR	pop
103.1	WVXX	IL	HIGHLAND PARK	eth
103.3	WKRFR	MI	BATTLE CREEK	pop
103.5	WYFR	IL	CHICAGO	POL (oldies?-sc)
103.7	----	----	----	----
103.9	WCRM	IL	DUNDEE	Rel
103.9	WJWJ	IN	CROWN	TK/MOR
104.1	----	----	----	----
104.3	WJMK	IL	CHICAGO	oldies
104.5	WFBM	IL	SPRINGFIELD	pop
104.7	WCSJ	IL	MORRIS	k
104.9	----	----	----	----
105.1	WJQJ	IL	EVANSTON/CHICAGO	Span.
105.3	----	----	----	----
105.5	WOND	IL	WILMINGTON	pop rock
105.5	WJJE	IN	VALPARAISO	k
105.5	WJET	IL	WOODSTOCK	pop
105.7	WQGD	MI	GRAND RAPIDS	pop
105.9	WCKD	IL	ELMWOOD PARK/CHICAGO	rock
106.1	----	----	----	----
106.3	WJLN	IL	LANSING	Bik
106.5	WJLR	MI	KALAMAZOO	pop
106.7	WZRC	IL	DES PLAINES/CHICAGO	rock
106.9	WMMI	IN	MARION	pop
106.9	WMSY	IL	PEORIA	rock
107.1	WZVN	IN	LOWELL	rock
107.1	WSPY	IL	PLANO	EZL
107.3	----	----	----	----
107.5	WCCI	IL	CHICAGO	Bik
107.7	----	----	----	----
107.9	WJUR	IL	AURORA	POL

GUS MANCUSO - 5615 INWOOD ST. - HYATTS, MARYLAND 20785

Mount Laurel, NJ bandscan:

EQUIPMENT: Pioneer SX-40 w/.05 tuning and Radio Shack Plain Rabbit ears.

Mt. Laurel is 12 miles east of Philadelphia. We had choice of motel rooms, so I chose one on one N.E. side of building, hoping to reduce adjacent channel interference from Philly locals. It seemed to work as I picked up almost all NYC stations. Effect of building structure was dramatic. Example: Picked up WNYE in NYC (91.5) but could not find WSRN just SW of Phila. Educational dial extremely full in this part of country. Excellent reception experienced partially due to extremely flat terrain. Had we stayed another night, I definitely would have moved to oppo. side of building to get stations to the south.

FREQ CALLS 0TH

88.3	W800	NJ	NEWARK	pop
88.7	W8SU	NJ	FRANKLIN LAKES? (sc)	pop
88.9	WXPB	PA	PHILADELPHIA	pop
89.1	WAFM	NJ	TRENTON	pop
89.3	W8DV	PA	WARMINTER	pop
89.5	W8EE	NJ	CHERRY HILL	pop
89.5	W8SU	NJ	SOUTH ORANGE (is 89.7 W8LS silent?-sc)	pop
89.9	W8CR	NY	NEW YORK	pop

90.1	WRTI	PA	PHILADELPHIA	pop
90.3	W8PC	NY	GARDEN CITY	pop
90.5	W8UB	NJ	LINDROFT	pop
90.7	W8VU	NY	NEW YORK	pop
90.9	W8YF	PA	PHILADELPHIA	pop
91.1	W8MU	NJ	EAST ORANGE	pop
91.3	W8SR	NJ	TRENTON	pop
91.5	W8VE	NY	NEW YORK (is W8BK silent?-sc)	pop

GUS MANCUSO'S BANDSCAN - continued

91.7 WKDU	PA	PHILADELPHIA	100.1 WJAZ	NJ	MANNINGTOWN
91.9 WNTI	NJ	HACKETTSTOWN	100.3 WKSZ	PA	MEDIA/PHILADELPHIA
92.1 WKQV	NJ	VINELAND	100.3 WHTZ	NJ	NEWARK
92.3 WXRK	NY	NEW YORK	100.7 WFMZ	PA	ALLENTOWN
92.5 WXTU	PA	PHILADELPHIA	100.7 WHUD	NY	PEEKSKILL
92.7 WOBM	NJ	TOMS RIVER	101.1 WERZ	PA	PHILADELPHIA
93.1 WPAT	NJ	PATERSON	101.5 WKKW	NJ	TRENTON
93.3 WPMR	PA	PHILADELPHIA	101.9 WPIX	NY	NEW YORK
93.7 WSTW	DE	WILMINGTON	102.1 W100	PA	PHILADELPHIA
93.9 WNYC	NY	NEW YORK	102.3 WERE	NY	BABYLON
94.1 WYSP	PA	PHILADELPHIA	102.5 WRFY	PA	READING
94.5 WCHR	NJ	TRENTON	102.7 WNEW	NY	NEW YORK
94.7 WFME	NJ	NEWARK	102.9 WMGK	PA	PHILADELPHIA
95.1 WZZO	PA	BETHLEHEM	103.3 WPRB	NJ	PRINCETON
95.1 WRKI	CT	BROOKFIELD	103.5 WAPP	NY	LAKE SUCCESS (now WQHT, I think-ec)
95.5 WPLJ	NY	NEW YORK	103.7 WTKL	NJ	NEWTON
95.7 WFLN	PA	PHILADELPHIA	103.9 WIFB	PA	JENKINTOWN
95.9 WADB	NJ	POINT PLEASANT	104.1 WREB	PA	ALLENTOWN
96.1 WLEV	PA	EASTON	104.3 WNCN	NY	NEW YORK
96.3 WQXR	NY	NEW YORK	104.5 WSN1	PA	PHILADELPHIA
96.5 WADB	PA	PHILADELPHIA	104.9 WDRB	NJ	EGG HARBOR CITY
96.7 WJAZ	NY	(Port Jervis??-ec)	105.1 WRFM	NY	NEW YORK (now WNSR-ec)
96.9 WFGP	NJ	ATLANTIC CITY	105.3 WQAS	PA	PHILADELPHIA
97.1 WYNY	NY	NEW YORK	105.5 WQHA	NJ	DOVER
97.5 WPSY	NJ	TRENTON	105.7 WQXA	PA	YORK
97.9 WEDV	NY	NEW YORK	105.7 WQSR	MD	CATONSVILLE
98.1 WDAU	PA	PHILADELPHIA (now WQBL-ec)	105.1 WZGO	PA	PHILADELPHIA (now WEGX, "Eddie 105"-ec)
98.3 WPDQ	NJ	NEW BRUNSWICK	106.3 WPMV	NJ	BURGINTOWN
98.7 WRKS	NY	NEW YORK	106.7 WLTW	NY	NEW YORK
98.9 WUSL	PA	PHILADELPHIA	106.9 WQDN	NJ	CAMDEN
99.1 WMAZ	NJ	ZAREPHATH	107.1 WPMJ	NJ	LONG BRANCH
99.5 WJBR	DE	WILMINGTON	107.5 WBUS	NY	NEW YORK
99.5 WBAI	NY	NEW YORK	107.5 WBYD	PA	BOYERTOWN
99.9 WQAG	PA	EASTON	107.7 WSNJ	NJ	BRIDGETON
99.9 WZLZ	CT	BRIDGEPORT	107.7 WJBB	CT	WESTPORT

Gus, this bandscan is very interesting. The lack of signals from SE New Jersey (such as WJVA-WHDM-WAYV) due to your room location is interesting.

BILL NOLLMAN - BYLINE FROM WATER TOWN, NEW YORK

101.7 WPOJ	Pittsfield, Mass.	102.1
103.9 WQBK	Rensselaer, NY	98K FM 104
102.3 (WQBY)	Saratoga Springs, NY	DOUBLE @ (Bill), those are the calls, ext WQBY-ec)
100.9 WMLI	Albany, NY	4-LITE 101
97.7 WPMQ	Amsterdam, NY	MAGIC 97
92.3 WFLY	Troy, NY	FLY 92
107.1 WNIQ?	Hudson Falls, NY	1-107
104.9 WSRD	Johnstown, NY	WIZARD 105 "Pure Gold"
92.7 WYUT	Herkimer, NY	"MUSIC OF YOUR LIFE"
104.7 WRFM	Fulton, NY	KIX-FM
102.5 WULU	Rome, NY	LITE HITS 102.5
97.9 WPKY	Rochester, NY	98PKY
106.3 WPCR	Oneida, NY (MOND)	CLUB 106...MOR
95.9 WKGL	Rome, NY	4-LITE 95
107.9 WRRB	Syracuse, NY	FM 108
97.5 WNDG	Watertown, NY	97.5 WNDG
93.5 WTVY	Watertown, NY	1-93.5 WTVY



370 COVER STREET
AT PAUL WISNESOTA 5078
616-281-2000

BILL NOLLMAN'S BANDSCAN - continued

92.5 WBEE	Rochester, NY	92FM
94.5 WYYY	Syracuse, NY	Y-94-FM
103.1 WTOJ	Carthage, NY	OJ-103*
92.7 WPRC	Osdensburg, NY	PACK 93
95.3 WIGS	Gouverneur, NY	WIGS
95.3 WQXQ	Manlius, NY	95X-ALL THE ROCK & ROLL YOU'LL EVER NEED
102.3 WTPL	Tupper Lake, NY	T-102: THE TRI LAKES FAVORITE
101.5 CFMP	Peterborough, ON	FM 101 (140 m; in car!)
93.1 WNTQ	Syracuse, NY	HOT HITS 93-Q
107.3 WRCK	Utica, NY	107FM (top 40) (also uses ROCK 107-ec)
99.3 WLLG	Lowville, NY	LITE/LISTENABLE 99.3 FM (BIG BAND)
106.1 CHEZ	Ottawa, ONT	SHAY 106



COMMENTS ON WTOJ: Lousy station; music is sat. fed; plays countdown T40's over & over again!
(Bill), WRCK 107.3 is from Utica, not Syracuse. Also, didn't you hear anything from Kingston?-ec)

GREG CONIGLIO - BATH, MAINE BANDSCAN

EQUIPMENT: Sharp WQ272 "boombox"

STRENGTH RATING SCALE 0-10, 10 being the best:

FREQ	CALLS	QTH	RAT	COMMENTS	FREQ	ME	QTH	RAT	COMMENTS
92.1 WQDA	ME	SANFORD	3		100.9 WYVZ	ME	WESTBROOK	6	fm: Y-101 ROCK & EASY
92.3 WYME	ME	AUGUSTA	9	r(T40), 92 MOOSE	101.1 WQIR	NH	MANCHESTER	1	rp, ROCK 101
92.5 WLYT	MA	HAVERTHILL	3	fm: W-LITE 92.5	101.3 WQGG	ME	AUGUSTA	6	MAINE'S COUNTRY GIANT
92.7 WQXQ	ME	NORWAY	3	k	101.9 WFOR	ME	PORTLAND	10	k
93.1 WPGX	ME	PORTLAND	10	r(oldies) PORTLAND'S MAGIC 93	102.5				no sign of WESK Camden, ME
93.5 WQHC	ME	ROCKLAND	5	r(oldies)	102.9 WTHI	ME	PORTLAND	10	r(T40), HITS FM 103
93.7 WQBY	MA	LAWRENCE	4	oldies	103.3 WMRQ	MA	BOSTON	2	r, 9-103 (now WQDS)
93.9 WBYU	ME	LEWISTON	9	r(oldies) CLASSIC HITS	104.1 WBCN	MA	BOSTON	2	rp, BCN
94.3 WYJY	ME	BIDDEFORD	7	fm: JOY 93.9	104.3 WABK	ME	GARDINER	8	r
94.5 WKSQ	ME	ELLSWORTH	4	r	104.7 WAFX	ME	BELFAST	4	r(T40), FOX-FM
94.9 WDOM	NH	MT. WASHINGTON	10	EZL	105.1 WTDG	ME	SKOWHEGAN	8	rp, THE ROCK OF MAINE
95.3 WQMI	ME	YORK CTR.	6	rp, 1-95 (no WQDS)	105.9 WIGY	ME	BATH	10	r(T40), (not Y105)
95.5 WBRU	RI	PROVIDENCE	1	rp	106.3 WQDS	ME	SCARBOROUGH	9	s
95.7 WWHJ	ME	ELLSWORTH	7	fm: 95.7-WHJ	106.5 WQCB	ME	BREWER	4	k, 9-106.5
95.9 WMYR	ME	SACD	8	r	106.7 WMLX	MA	BOSTON	2	fm
96.7 WQME	ME	BOOTHBAY HBR	9	EZL	107.1 WERZ	NH	EXETER	1	r/s
96.9 WJIB	MA	BOSTON	2	EZL, "Jib"	107.5 WBLM	ME	LEWISTON	10	rp, ROCK N ROLL BLIMP
97.1 WYOU	ME	BANGOR	4	k, YOU & BIG COUNTRY	107.9 WYKS	MA	MEDFORD	1	r, KISS 108 FM
97.5 WQKQ	NH	DOVER	5	k, 97-5 (NOT OK98)					
97.9 WAGT	ME	PORTLAND	10	r, WGT, GREAT 98					
98.5 WTVL	ME	WATERVILLE	4						
98.5 WROD	MA	BOSTON	0	oldies					
98.9 WDLZ	ME	BRUNSWICK	10	oldies					
99.5 WSSH	MA	LOWELL	3	fm: BOSTON'S WISH					
99.9 WAKS	ME	AUBURN	9	fm: KISS 100					
100.3 WHEB	NH	PORTSMOUTH	2	rp, ROCK & ROLL 100, HEB-FM					
100.7 WZLX	MA	BOSTON	3	r(oldies) CLASSIC HITS 100.7					



GREG CONIGLIO: BANDSCAN (COMMERCIAL)

Garden City, South Carolina (12 mi. south of Myrtle Beach): Easter, 1987

EQUIPMENT: RX-FW 32 Panasonic "Boom Box"

KEY:
MODE=Tropo or local (Local (L) in most all the time, Tropo (T) in occasionally,
DIST=distance in miles



GREG CONIGLIO'S BANDSCAN - GARDEN CITY, SC - continued

FREQ	CALL	RTH	MODE	DIST	COMMENTS	
92.1	WJVR	SC	MYRTLE BEACH	L	12	EDL "Joy 92.1"
92.5	WHLZ	SC	MANNING	L	75	K "Wheels 92.5"
92.9	WZNS	SC	DILLON	L	58	FM "12-93", THE CAROLINA'S LITE ROC
93.3	WDLX	NC	WASHINGTON	T	165	K "93DLX"
93.5	WDDZ	NC	SHALLOTTE	L	43	K
93.5	WVAZ	SC	SUMMERVILLE	T	81	K
93.9	WZZU	NC	BURLINGTON	L	171	r "94-2"
94.1	WCHY	GA	SAVANNAH	L	165	K "Y-94"
94.3	WVXS	SC	MARION	L	50	K "Kicks 94-3"
94.5	WMLU	SC	GREENVILLE	T	210	K
94.5	WMLM	NC	EDEN	T	205	EZL?
94.7	WQDR	NC	RALEIGH	L	153	K "CAROLINA'S HIT COUNTRY"
95.1	WSSX	SC	CHARLESTON	L	81	r "95-SX"
95.1	WRNS	NC	KINSTON	L	140	K
95.1	WROD	NC	CHARLOTTE	T	153	r "LAZER ROCK 95-0" (not strict)
95.5	WIXV	GA	SAVANNAH	L	165	rp "1-95"
95.5	WHPG	NC	HIGH POINT	T	171	g
95.5	WNGC	GA	ATHENS	T	258	K
95.7	WMLM	NC	LUMBERTON	L	78	K "FAYETTEVILLE'S NML"
96.1	WAVF	SC	HANAHAN	L	88	rp "96 WAVE-FM"
96.1	WYLT	NC	RALEIGH	T	153	FM "W-LITE 96.1"
96.1	WJCS	FL	JACKSONVILLE	T	275	FM "CLASSIC FM" (now WJZZ)
96.5	WSTS	NC	LAURINBURG	L	97	g
96.5	WJCL	GA	SAVANNAH	L	165	nb
96.9	WXTG	SC	CHARLESTON	L	81	FM
97.3	WWSL	NC	WILMINGTON	L	76	r
97.3	WAEV	GA	SAVANNAH	T	65	r
97.7	WQMB	SC	GEORGETOWN	L	23	K "POWER 98"
97.9	WDCS	SC	COLUMBIA	T	119	K "GREAT 98"
98.1	WQSM	NC	FAYETTEVILLE	L	105	r "Q-98"
98.3	WAKT	SC	KINGSTREE	L	54	r
98.7	WYKZ	SC	BEAUFORT	L	138	FM "KISS-FM"
99.1	WZFX	NC	WHITEVILLE	L	57	sr "FOXY 99"
99.3	WIBZ	SC	WEDGEFIELD	T	91	FM "95.3FM-SUMTER'S BEST FM"
99.5	WPAQ	NC	HIGH POINT	L	188	FM "MAGIC 99.5"
99.7	WAFX	NC	KANAWHOLIS	L	160	rp "CHARLOTTE'S FOX" (no sign of WQED)
99.9	WVBS	NC	BURGAH	L	92	r "B-100"
100.1	WQFG	SC	LAKE CITY	L	50	"G-100"
100.3	WQJY	NC	HIGH POINT	T	180	FM "JUDY 100"
100.3	WDLZ	FL	ORLANDO	T	300	rp
100.5	WSSL	SC	GREY COURT	L	191	K "WHISTLE 100"
100.7	WTRG	NC	ROCKY MOUNT	T	173	r
100.7	WHY1	FL	FT. LAUDERDALE	T	525	r "Y-100" (Apr 86)
100.9	WZSC	SC	ANDREWS	L	37	K "GEORGETOWN COUNTY'S COUNTRY CONNECTION"
100.9	WAGG	NC	WILMINGTON	T	76	r
100.9	unID		"W-101"			
101.1	WCKN	SC	ANDERSON	T	215	r "POWER 101"
101.1	WPCW	NC	BURLINGTON	T	171	K "COUNTRY 101"
101.3	WQDM	SC	SUMTER	L	30	sr "101 DM-101 FM"
101.5	WRAL	NC	RALEIGH	T	153	FM
101.7	WKZQ	SC	MYRTLE BEACH	L	12	r "KZQ"
101.9	WIKS	NC	NEW BERN	T	153	rs "KISS 102"
102.1	WBIG	NC	REIDSVILLE	T	195	K "BIG 102"
102.1	WZAT	GA	SAVANNAH	L	165	r "Z-102"
102.3	WJSH	NC	LUMBERTON	T	78	K "COUNTRY 102"
102.5	WLY1	SC	NORTH CHARLESTON	L	77	r (oldies); "CLASSIC HITS 102.5"



Our programming focuses on the latest trends in lite rock. Whether you're at work or relaxing on the beach, Z-93 is sizzling with the latest hits performed by today's contemporary sounds of "Lite Rock" with less talk, from Lionel Richie and Phil Collins to Whitney Houston and Stevie Nicks. It's the music of you and your lifestyle. It's the music of today.



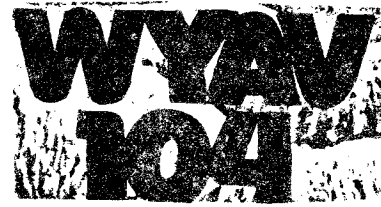
GREG CONIGLIO - GARDEN CITY, SC BANDSCAN - continued

102.7	WGN1	NC	WILMINGTON	L	76	FM "WILMINGTON'S QN1"
103.1	WYAK	SC	SURFSIDE BCH	L	1	K "Y-103, THE GRAND STRAND'S COUNTRY"
103.5	WEZL	SC	CHARLESTON	L	81	K
104.1	WYAV	SC	CONWAY	L	17	r "WAVE 104"
104.5	WDXZ	SC	MOUNT PLEASANT	L	79	r "THE NEW DIXIE 104 1/2"
104.7	WNOK	SC	COLUMBIA	T	119	r
104.9	WYAR	NC	TABOR CITY	L	38	FM
105.1	WDCG	NC	DURHAM	T	175	r "G-105"
105.5	WMMB	SC	NORTH MYRTLE BEACH	L	19	r
105.7	WZNY	GA	AUGUSTA	T	175	FM "SUNNY 105"
105.9	WCCJ	FL	DE LAND	T	348	FM "ORLANDO'S CLASS 105.9"
106.1	WROD	NC	WILSON	T	160	rp
106.3	WAZX	SC	GEORGETOWN	L	23	r
106.5	WSPF	NC	NEW BERN	T	153	r
106.7	WTCB	SC	ORANBURG	L	187	FM "B-106"
107.1	WJVM	NC	SOUTHPORT	L	62	EZL
107.1	WQIG	SC	MULLINS	L	46	S
107.3	WANS	SC	ANDERSON	T	215	r
107.5	WAOB	SC	ST. GEORGE	L	98	r "Q-107"
107.7	WJYO	FL	MOUNT DORA	T	373	FM "JUDY 108"
107.9	WNC2	NC	GREENVILLE	T	171	r



There were overload problems from WYAV 104.1 & WYAK 103.1, but it was not strong enough to hamper tropic reception in most cases. Myrtle Beach is great place to DX! I would like to hear what tropic in summer are like, if it was that good in April! I was not able to TV DX because the place where we were staying had cable TV.

The Beach's newest and most powerful FM has less talk and more of your favorite music. We're not too hard and not too soft. CATCH THE WAVE.



WILLIAM WYLLIE - 95 PECK STREET - FRANKLIN, MASS. 02038-2217
EQUIPMENT: Realistic Modulare 2200 with built in antenna. (This radio puts in FM fantastic.)

OCTOBER 1987

- 16 Ty 2037 WLNQ 97.7 MA Winchendon, soft rock, "WINK 98-FM"
- 2110 WOKD 97.5 NH Dover, Country music
- 2120 WDLZ 98.9 ME Brunswick, Soft music, soft rock??
- 2124 WMBB 100.1 MA North Adams, Poor signal, ID noted
- 2131 WFAI 101.1 MA Falmouth, good over WHT (ex-WGAN) (WHT is on 102.9-sc)
- 2136 WNGC 101.3 ME Augusta, Country music, 2200 ID as "K-101 is WKGC Augusta, Maine's Country Grant"
- 17 Ty 2126 WSPK 104.7 NY Poughkeepsie, Strong of WKPE, ID as "K-104", Note: WSPK uses "K-104" and WKPE "Case 104"

OCT. 17th Ty - cont.

- 2148 WBLB 107.5 NY New York, ID noted "New York City #1, Music Station", Soon gone to WFCC and WBLM
- 2149 WBLM 107.5 ME Lewiston, noted ID only o/WBLB, Rock music
- 2253 WPOR 101.3 ME Portland, country music
- 2320 WEZN 99.9 CT Bridgeport, Easy listening over WQRC
- 2344 WZLD 95.7 NH Manchester, Easy listening ID "EASY 95.7"
- 18 Ty 2050 WRKI 95.1 CT Brookfield, Rock music, "1-95"
- 19 Ty 2424 WCCC 106.9 CT Hartford, Hard rock.

WILLIAM WYLLIETS REPORT - continued

1907. 28th Tr

2438 WHUD 100.7 NY Peekskill. Gone by 2100. Easy listening. Local WLLT only.

2425 WRCH 100.5 CT New Britain. Easy listening.

2438 WTYD 100.3 CT New London. Easy listening. gave address as "P.O. Box 1031, New London, CT 06320"

0106 WRDC 102.9 CT Hartford. ID's as "806-0-102" where all the good songs have gone. or WVIC most of the time here.

0131 WPLR 99.1 CT New Haven. Hard rock.

YES 95!

WYYS-FM
1132 West Kemper Road
Cincinnati, Ohio 45240
Hefel Broadcasting Corporation

You must already know this but I have some call letter changes. They are: WGAN FM 102.9 changed to WCHT. Format sounds the same. PLUS WMRD 103.3 to WUDD. Format changed to rock oldies. ID as "OLDIES 103".

William

MORRIS SORENSEN - 111 TOWN LINE - MILTON, ONTARIO L9T 2K1
EQUIPMENT: Sharp FV-610, roof mounted TV antenna aimed at Buffalo.

OCTOBER 1987

19 GW
1958 CHRY 185.5 ON Toronto: new low powered (50 watts, I think) station at York Univ. in French at this time but English ID at 2000: "You're listening to a brand new radio station. This is CHRY FM 185.5 on your radio dial. Then ID in French as "CHRY c'est a dire Radio York." heard through splatter from local's CFDA 185.3 and CHRE 185.7.

19 Tr

2044 WJSH 95.1 NY Bristol Center: easy listening

2046 WQIV 185.1 NY DeRuyter: under CKRM, religion

2159 WDKX 183.9 NY Rochester: mixed w/CBRP: urban contemporary

73

Morris Sorensen

GREG CONIGLIO - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NY 14221
*** DX FROM CLARENCE, NY ***

EQUIPMENT: NIKKO AR-550 Receiver; Radio Shack Element FM-Stereo Antenna at approx. 10' AGL using 75 ohm coax and ArcherRotor.

NOVEMBER 1987

07 Tr
1059 WQLZ 105.1 MI Cheboygan: legal ID: tm 738

1101 WNPJ 90.1 MI Marquette: c: legal ID: went of xtr at FM102: my farthest tropo 507

1102 WDM 91.7 MI Alpena: c: ID // WDMU 93.5, 711

1107 WMLT 95.7 MI Marquette: 507

1215 CIGM 32.7 & CJMX 105.3 Sudbury in very loud 270

1943 WQAL 95.9 NY Rome: m: wx for Rome-Utica: "K-LIGHT 95" 162

2127 CRON21 104.9 ON Gosport: FF mono 772

29 Tr

0046 WFLN 95.7 PA Philadelphia: c 359

DECEMBER

2 Tr
1549 WKSZ 100.3 PA Media: area wx: Somerdale NJ mention: "Kiss 100" slogan 269

1908 WMMR 93.3 PA Philadelphia: rd: "93-3 WMMR": good o/WASE 269

1948 WXTU 92.5 PA Philadelphia: k: just o/WDJQ in WREE null 269

4 Tr
2127 WAGT 92.3 OH Columbus: r: o/WRRV/WABC: "92-1" 302

2208 WVIA 89.9 PA Scranton: o/WAVD: out of NPR tx into wx for N.E. Pa. 190

DEC. 4 Tr - cont.

WMMR and WXTU Philly are in

5 Tr
1938 WIOV 185.1 PA Ephrata: o/mess briefly (CKRM/WQIV/WQJK/WAVR?); k: "I-105" 248

5 MS
2033 UNID 92.3 ?? "....in Albany....".

5 Tr

2004 WNTI 91.9 NJ Hackettstown: unID type of wx: legal ID: stn promo w/address 249

12 Tr & Es

local WBLF 92.9 off

1456 CBRK 92.9 ON Kingston: c // 94.1 Toronto 141

1518 WMSG 92.9 PA Wilkes-Barre: k songs (although I'm pretty sure they're A/C). "MAGIC 93" 190

1524 WQJK 94.1 PA Sunbury: r: o/Toronto local 173

1603 WAVA 185.1 VA Arlington: r: "POWER 105 WAVA": first logging from Virginia 292

1922 WBRF 89.3 LA Baton Rouge: c o/WGSU 1113

1932 WBRH 90.3 LA Baton Rouge: r o/WJSL 1113

1949 KBIU 103.7 LA Lake Charles: r: "BAYOU 104": local ads 1172

13 MS

0725 KLIR101.1 NE Columbus: "...calm winds here in Nebraska in the calm before the storm.." 951

0759 WBYU 95.7 LA New Orleans: "...This is WBY.." 1092

0759 KROA 95.7 NE Grand Island: "...in Grand Island, Nebraska..." 1046

15 Tr

local WKSE 98.5 off

1819 WJJS 98.5 PA Dri City: k 115

1840 WYCR 98.5 PA York: ad for Gettysburg: calls 239

1847 WNCX 98.5 OH Cleveland: rock oldies 190

1853 WNYZ 98.7 NY Utica: rs: heavy WGLI splatter 167

16 Tr

local CHTZ 97.7 off

1650 CHOH 97.7 PQ Montreal: Canadian rock tune in w/antenna pointed NE 312

19 MS

1042 CBF10 101.1 PQ Sherbrooke: FF talk // AM 590 308

November and December were OK here for tropo, but so far the new year has been pretty dead. Only 2 E-Skip openings into FM in December were noted.

Thanks to Joe Fela for sending many of the logs that have appeared in this column.

Lifestyle 101 fm

73, Greg

DEC 23 Es

1907 unID 90.1 -- w/antenna was WMM, skip on TV to Dakotas. maybe KILI?

27 Tr

0018 WYCC 101.7 PA Linesville: legal ID:rs song 135

0011 WHUG 101.7 NY Jamestown: k 71

0014 WEDC 101.7 NY Geneva: r: "CO 102" 86

0015 WSCP 101.7 NY Putaski: trad. country wx: excellent signal 133

0100 WYAZ 101.5 PA Waynesboro: k via Music Country Radio Network: ID: wx for Cumberland Valley 236

1913 WBJZ 100.9 NY Ileana: r: "7-101": rare here 69

1921 WADC 101.1 DC Washington: talk: (cl) ments. w/ first DC logging 290

29 Tr

SEMI-LOCAL WEFB 95.7 OFF, and not noted back on until JANUARY 5th, 1900 WFLN 95.7 PA Philadelphia: c:LOUD 269

1921 WPGC 95.5 MD Morningside: str:exc. signal: in most of the evening (ex:WGLY) 315

30 Tr

1559 WGSU 88.9 PA Selinsgrove: talk: p hrd to SE few minutes earlier: then? 172

1600 WJFM 89.1 NJ Trenton: c: legal ID taped 277

2003 WVIA 85.9 PA Scranton: legal ID: "90-FM" 190

2035 local WBYR 107.7 off

107.5 just unid CBRK/CBCH in 107.7 nothings

107.9 local CING & unid (GM) WRRB

JANUARY 1988 (HAPPY NEW YEAR!)

1 Tr

0030 W289AL 185.5 NY Dunkirk: k: New Years Messages: translating WMLG 101.7 in Jamestown w/ first xtr hrd: and my first 1988 logging! 50

3 Tr

1248 WHTZ 100.3 NJ Newark: r: "MOST MUSIC:1-100" 287

February 1988

Deadline: 3- 3-88

Diligent off season TV DX'ers were rewarded with some nice E skip openings in December along with some decent tropo. In December, E skip was observed on December 14 from Washington state; on the 5th, 12th, 19th, and 22nd from Illinois; and on the 23rd from Ohio (by a traveling western DX'er).

Two of the reports in this month's column were received shortly after deadline for the January column (one missing by four days and the other by five). I am wondering if the floating deadline of this column is going unnoticed? The column is prepared on Friday and Saturday of the latest weekend which will allow a four day mailing period to meet my deadline in New York of the 15th. If you want to mark your calendars, here are the deadlines for the remaining 1988 Western TV-DX columns:

April - March 3 Deadline	September - August 4 Deadline
May - April 7 Deadline	October - September 8 Deadline
June - May 5 Deadline	November - October 6 Deadline
July - June 9 Deadline	December - November 3 Deadline
August - July 7 Deadline	

BN - Baja California NL - Nuevo Leon Sp - Spanish

New ___ New Mode ___ Tent. - t Unidentified - unid S/On - + S/Off - =
ID Color Bars - @ ___ Unid Color Bars - % IHTP - ♀ Misc. Test Patterns - &

John Jefferson, 4016 Crest Ct., Pleasanton, CA 94566

PST

Equipment: JVC AH-7200U VCR as tuner (with Hitachi CT-922 as monitor) fed by a Channel Master VHF antenna and a Winegard CH-9095 UHF antenna. Both are on a 20' mast, about 35' off the ground, the UHF is 3' higher, with Winegard AC-4990 preamp (and separate lead).

My October logging was K51AP, Palermo. After numerous tries, I got through to KR8K-31, and they identified it for me. I've lived in California all my life, and that's the first time I've ever heard of Palermo, California! I've corrected the distance to 128 miles based on my measurements on a California map. Incidentally, the Hitachi CT-922 was the receiver for K51AP as well as for what follows. The JVC VCR has only 12 presets (analog tuning), so is fine for E skip, but impractical for UHF loggings.

December 1987
2 gw 1426 KFTL 64 CA 13 Program testing.

KFTL is owned by Family Stations, so presumably will be mostly religious. The program monitored was a documentary (from KNIV-11) on toxic wastes in Silicon Valley, suggesting they may intend a fair amount of public service / educational fare. They're supposed to be on fulltime early next year.

William Eckberg, 1032 Sterling Road, Dixon, IL 61021

CST

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.

November 1987

12 ms 0415 WSIM 3 NY 671	12 Es 1840 WPBT 2 FL 1229	20 ms 0435 WSIM 3 NY 671
15 ms 0425 WSIM 3 NY 671	1845 WESH 2 FL 983	21 ms 0430 WCIV 4 SC 797
30 Es 1815 WPBT 2 FL 1229	1855 WEDU 3 FL 1031	22 Es 2025 KENS 5 TX 992
	1900 WUFT 5 FL 923	2030 KRGV 5 TX 1189
	2035 KPRC 2 TX 890	2045 WPBT 2 FL 1229
<u>December 1987</u>	12 Es 1830 WSAV 3 GA 803	15 Es 1120 WPBT 2 FL 1229
	1835 KDFW 4 TX 738	19 Es 1345 XEFB 2 NL 1282
		26 tr 2330 <u>WCLJ</u> 42 IN 229

I noted five E skip openings in November and December. The December 12 and 22 openings would rival any June E skip. Both were through channel 6 for an hour, were out by 2400 and commenced about 1800 CST. Noted tropo to 350 miles in the AM of December 10 and 27. I was gone the first week.

Equipment: Zenith 9" black & white, Zenith 12" black & white, Zenith N1310, Zenith Y1310 (all circa 1979-1982), Channel Master 1110 with CP 3800 preamp, RG-11 at 50', Channel Master 7' dish with PA 4975 preamp, .500 cable at 55', Winegard 5 element low band vertically polarized at 20'

October 198718 tr 0535 WMCC 23 INNovember 198721 tr 1829 WYIN 56 IN

Conditions have been

HORRIBLE! After coming off

a 12 month period with

possibly the greatest E skip and tropo openings of all time, now this. If these March conditions continue to drone on week after week, it'll soon be time to dust off the stamp album and the Hummel plates.

I did get one good one though, in K55DN which is listed at 394 Watts (September 29 at 0541 with sign/on - Ardmore, Oklahoma translator of KOKH-25 at 565 miles). It was also station number 900.

Last year when I got KUSD-2 by E skip at 360 miles, I wrote to W3XO, the QST VHF column editor, to get some information on close-in E skip. Here is his reply:

"Sporadic E at 50 MHz has been observed as close as 200 miles and many cases at 300-400 mi (DC to Ohio and New England). Therefore I would not be surprised to see 360 miles on ch.2. When that occurs, much higher frequencies are propagated from points beyond those represented by the path. Pat, WA51YX has on one occasion reported ch 13 in South Dakota. We have yet to have a 2 way on 220 MHz but ..(can't read).. signals have been heard."

Still no news of anyone who has tried out the ICOM R7000 with the selectivity cranked up all the way on TV audio. My McIntosh MR-78 can pick up three distinct audio signals on channel 6. Can the R7000 do this on TV audio channels? If it could, it should be possible to hear an audio signal from a station who's video is being covered up by a closer station, if it's offset is different. 73.

Dave Pomeroy, 1169 Webster, Topeka, KS 66604-1502

CST

I didn't think I'd have anything to report this month, but yesterday changed that with my first tropo from your state.

<u>December 1987</u>	29 tr 1800 <u>KDMA</u> 23 MN	Also seen during the day
29 tr 1330 <u>KDSD</u> 16 SD	<u>KIIN</u> 29 MN	were <u>KHNE-29</u> , <u>KPTM-42</u> (with string
<u>KVRR</u> 15 ND	<u>KHOG</u> 29 AR	CCI to the ne), CCI on <u>KSHB-41</u> ,
1800 <u>K32AE</u> 32 MN	2045 <u>KOKH</u> 25 OK	<u>KDSM-17</u> , <u>KDOR-17</u> , <u>KWHY-47</u> , <u>KSNF-</u>
(Long Prairie <u>KSTP- 5</u>)	2100 <u>KMEG</u> 14 IA	16, <u>K30AL</u> , <u>KHIN-36</u> and <u>KSMQ-15</u> .

The signal from KVRR-15 was quite strong, and I should have some good photos. I was very surprised to see KVRR and thought it was probably KOIA-15 which I have not seen since they went back on the air. KMCI-38 now set for February 1, but I have yet to see them testing. K32AE was very poor with KSTP-5 ID heard at beginning of news. TV Factbook lists them at only 100 Watts, so I called KSTP to see if they might have another channel 32 translator. I was told K32AE was the only one.

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

PST

Equipment: Sylvania 12" black and white, quad loops cut for channels 2, 3, and 5 at 15 feet

December 1987

14 Es 1649 <u>XETV</u> 6 BN 915	14 Es 1700 <u>KNAZ</u> 2 AZ 815	14 Es 1708 <u>KVOA</u> 4 AZ 1000
unid ch 4, 5 Sp	1708 <u>KDKC</u> 4 TX 1150	1728 <u>KPHO</u> 5 AZ 915
		1901 <u>XHBC</u> 3 BN 915

From Elyria, Ohio (Equipment: Panasonic CTF-1011 10 1/2" color, rabbit ears):

<u>December 1987 (EST)</u>	23 Es 2041 <u>KWGN</u> 2 CO 1190	23 Es 2200 unid ch 4 NBC
23 Es 2030 unid ch 2 NBC	2200 <u>KJRH</u> 2 OK 825	

December 14th was quite a pleasant surprise! I've never seen an opening up to channel 6 in December before. I hope the cycle will repeat in January. 73's.

February, 1988

DEADLINE: 10th

ES FROM JAMAICA IN

This month's reporting of the off-season Es, from what little there was, came from Matt Sittel who caught a very seldom heard from little Caribbean country--Jamaica. Matt also had more Es in shortly before Christmas. Did anyone else in the M. South have Es? Matt's earlier belief that we may be in for a bad winter turned out all too true here in central Oklahoma. The week before Christmas had 10 inches of snow for one of the deepest Dec. snows ever here. Then Christmas had one of the worst ice storms ever. Jan. 6-7 had another 10" snowfall here while Oklahoma City had 12.1" for the deepest ever recorded. The aftermath was record breaking below zero lows, -11 here. I know many other states were likewise affected. The tallest TV towers in Oklahoma are in Tulsa and it was there where the huge 1909' tower of KTUL-8 collapsed under heavy ice accumulation during the Christmas storm. Bird enthusiasts were overjoyed since the ill-fated tower (insured for \$5 million) had caused the deaths of hundreds of migratory birds over the years, especially during inclement weather. The awful ice storm here caused ice to build up about 3/4 inch thick around the guy wires of my antennas, fortunately with no damage when the north wind increased. The signal output from many FM towers was considerably reduced and KTUL not seen in Stillwater since the collapse.

Oh, oh, Monitoring Times does it again. MT recently pulled another blooper about our hobby, this time on trop. In a brief mention about tropospheric ducting on a basic article about propagation MT wrote, "It results when radio waves follow patterns of high and low pressure in the atmosphere (much the way weather patterns do). It allows for reception of signals slightly beyond the range you might otherwise expect." What a very vague explanation for trop and hasn't the author ever heard of 1000+ mile TV DX? When will Monitoring Times stop misrepresenting the hobby of TV-FM DXing and start telling it like it is?

Matt Sittel, 220 Brookfield Dr., Kingsport, TN 37663

12/5 tr		12/22 Es	
0920 WSKZ 106.5 TN Chattanooga	186	2109 KJIZ 93.1 TX Amarillo, "Z-93"	1116
0921 WSHH 106.1 AL Alexander City	309	2134 KZCV 89.9 TX Amarillo	1116
12/11 tr	270	12/23 Es	
1559 WKTC 104.3 NC Tarboro, NC, state ex		2142 KFLO 94.5 SD Reliance, ID	1044
12/18 tr		2158 KZZO 92.3 NE Omaha, ID	797
0623 WWSX 93.1 NC Winston-Salem	130	12/30 tr	
Es!		1310 WECL 103.1 KY Elkhorn City, ID	64
1320 RJR 94.5 JAMAICA Kingston, ID	1441	1948 WDXG 102.3 VA Pound ID	52
1828 JGCI 93.3 JAMAICA Kingston	1441	(Now, Matt, your logging here of WDXG reminds me back when I got it barely out of the noise during a fantastic trop session on 6-18-81, DA)	
tr		2000 WSRW 106.7 OH Hillsboro, ID	203
1856 WJAF 94.5 VA Lexington	162	2005 WJFX 94.3 KY Jenkins	55
12/21 tr			
1862 Chattanooga 92.0, 96.5, 100.7, 106.5			
(strongest in a long time. WSKZ in a 186			

December definitely ended the year in fine fashion when on 12/18 I logged Jamaica for my first time. It was in for about half an hour, though it kept fading out, I still got a "Radio Jamaica" ID and Kingston's calendar of events, briefly, and recorded them on tape. More Es came around a few days later. I thought it was great to hear WJLC talk of a winter storm warning instead of highs in the 90's as I normally hear in summer! TV was super, too, seeing all the Christmas ads. When on the job on the car stereo, I found some good loggings. Let's hope 1988 is a winner for FM DX '88's.

Fat Dyer, 5315 Silvertip Dr., San Antonio, TX 78228-2744

5: August, 1987		9:	
0251 WBSN 89.1 LA NEW ORLEANS		1611 WNUR 89.3 IL EVANSTON	
0254 WCAW- 92.3 LA LAPLACE		1616 KJJK 96.5 MN FERGUS FALLS	
0257 WYNK-101.5 LA BATON ROUGE		1637 WAPE 95.1 FL JACKSONVILLE	
0258 KZMZ 96.9 LA ALEXANDRIA		1640 WAIV 96.9 FL JACKSONVILLE	
0308 WRKF 89.3 LA BATON ROUGE		1641 WYAV 104.1 SC CONWAY	
		1642 WEQR 96.3 NC GOLDSBORO	
6:		1648 KNOX- 94.7 ND GRAND FORKS	
0021 WCAW- 92.3 LA LAPLACE		1950 WJJA- 88.1 SC SUMTER	
0520 WRKF 89.3 LA BATON ROUGE		1654 WRDD 55.1 NC CHARLOTTE	
0522 KJEF- 92.7 LA JENNINGS		1700 WSAE 89.3 MI SPRING ARBOR	
0920 K232DM 94.3 TX SAN ANTONIO		1704 WCEN- 84.5 MI MOUNT PLEASANT	
		1713 WIND 94.9 TN GREENVILLE	
		1716 WRCD 58.1 MI GADSDEN	

cont. next page.....

9 August			
1719 WCRC 107.9 MI FLINT			
1723 SCT 108.8 TN SNOWBIRD			
1727 WTGR 104.1 NC WINSTON-SALEM			
1728 WBIG-102.1 NC REIDSVILLE			
1740 WRFX 99.7 NC KANNAPOLIS			
1744 WESC- 92.5 SC GREENVILLE			
1746 WEZC 104.7 NC CHARLOTTE			
1748 WLVK 96.9 NC STATESVILLE			
1749 WBCY 107.9 NC CHARLOTTE			
1753 WQXI- 94.1 GA SMYRNA			
1755 WKHQ 105.9 MI CHARLEVOIX			
1757 WAAG 94.9 IL GALESBURG			
1758 WRXJ 103.1 SC HONEA PATH			
1800 TTY 109.1 GA ATLANTA			
1834 WAYS 99.1 GA MACON			
1838 WRAS 88.5 GA ATLANTA			
1842 WPCB 94.9 GA ATLANTA			

10:			
1014 KDFX 96.5 TX GEORGETOWN			
2050 KMCM 92.5 MT MILES CITY			
2107 KQBH- 96.7 SD HOT SPRINGS			
2128 KQIP 96.9 TX ODESSA			
2132 KNFM 92.3 TX MIDLAND			
2158 KODM 97.9 TX ODESSA			

12:			
2032 WGGZ 96.1 LA BATON ROUGE			
2050 WCRW- 92.3 LA LAPLACE			
2100 WYNK-101.5 LA BATON ROUGE			
2520 WBSN 89.1 LA NEW ORLEANS			
2829 KDAQ 89.9 LA SHREVEPORT			
1024 WRKF 89.3 LA BATON ROUGE			
1036 KBNK 94.9 MO KANSAS CITY			
1101 WRBH 88.3 LA NEW ORLEANS			
1141 KQMB 94.5 LA LAFAYETTE			

13:			
0020 WCAW- 92.3 LA LAPLACE			
0529 WRKF 89.3 LA BATON ROUGE			
0530 WMAU- 88.9 MS RUDE			

14:			
0359 KDAQ 89.9 LA SHREVEPORT			
WMAU- 88.9 MS RUDE			
0359 WRKF 89.3 LA BATON ROUGE			
0405 KTAL- 98.1 TX TEXARKANA			
0523 KFXE 92.3 AR PINE BLUFF			
0537 WTYX 94.7 MS JACKSON			
0711 KNUC 101.5 TX TYLER			

15:			
0029 WBSN 89.1 LA NEW ORLEANS			
2125 WYNK-101.5 LA BATON ROUGE			
2245 KTDY 99.9 LA LAFAYETTE			

17:			
0243 WGGZ 96.1 LA BATON ROUGE			
2244 KQMB 94.5 LA LAFAYETTE			
2359 WJLT 94.1 MS MC COMB			
2358 WBSN 89.1 LA NEW ORLEANS			
2415 WCRW- 92.3 LA LAPLACE			

18:			
0021 WCAW- 92.3 LA LAPLACE			
0749 KFXE 92.3 AR PINE BLUFF			
0931 WEGW 92.5 FL KEY WEST			
0935 KVNE 89.5 TX TYLER			
2342 KQXY 94.1 TX Beaumont			

(18:)			
0947 WMCU 89.7 FL MIAMI			
0951 WDNA 88.9 FL MIAMI			
0958 WKRY 93.5 FL KEY WEST			
1005 WCMQ- 92.3 FL HIALEAH			
1009 WRMB 89.3 FL BOYNTON BEACH			
1025 WSNF 88.5 FL TAMPA			
1033 WSWN- 93.5 FL BELLE GLADES			
1133 WUFT- 89.1 FL GAINESVILLE			

19: tr, Es
0120 KZMZ 96.9 LA ALEXANDRIA
0124 WCKW- 92.3 LA LAPLACE
0140 KSMB 94.5 LA LAFAYETTE
2107 KBHE- 89.3 SD RAPID CITY

No sooner did the Aug VUD arrive with Elving's note about the 94.3 xltor than it came on. Much louder than the 95.3 pest that arrived in Nov '83. The primary (30 mi sw of here) only goes off early on Monday (and at least the xltor t/off as well!)

In-state tropo messed up the Perseids again for me.

This August more "normal" than last year - allowing me to catch up some.

July very heavy - even with my being gone to Arlington, TX for the Central States VHF Society Conference Jul 23-26.

A hand-drawn poster with a rough, sketched border. The text is arranged in a grid-like fashion. At the top, it says 'HEY, LISTEN TO'. Below that, 'ELMER STREET' is written vertically on the left, and 'JAZZ' is written vertically on the right. In the center, 'SUNDAY 8-10 PM ONLY' is written in a large, stylized font. At the bottom, it says 'ON KSP 94 FM'. The drawing is done in black ink on a white background.

ANARC UPDATE

ANARC AWAKENS

ANARC is back under the leadership of the new Executive Secretary Bob Horvitz. Bob is putting a great deal of energy into the position. His first order of business has been to get the ANARC Newsletter going again. The Newsletter reappeared last month. It has undergone a format change. The Newsletter will continue to change by including more news about ANARC and the activities of the member clubs. Anyone with a subscription to the Newsletter will get the number of issues they subscribed for. New subscriptions are now being accepted. The cost is \$ 7.50 US. Write to ANARC Publications, PO Box 462, Northfield MN 55057, USA.

ANARC has a new address:

Association of North American Radio Clubs
PO Box 143
Falls Church VA 22046-0143 U.S.A.

ANARC has a new issue of interest to DX'ers. ANARC is preparing a major fight against a proposed rule change by the FCC that will create more interference, especially to the Shortwave bands. The proposed rule change, known as Gen. Docket 87-389, would allow electronic devices to emit radio waves without restrictions to bandwidth, modulation, or application, on any frequency as long as they stay under a certain field strength limit. The proposed rule change would allow for the marketing of new consumer devices such as wireless stereo speakers, wireless VCR's, and wireless computer systems. (One area of use for such a proposal that maybe of interest to TV and FM DX'ers, as a source of interference is an application of this technology to wireless cable in large apartment buildings and hotels. It's bad enough that we have to put up with interference from the land-mobile services on UHF-TV. And once this rule is changed, there may be applications of wireless technologies that we could now not imagine. Added to this, will be the home Hi-Fi enthusiast who will boost up the power of his wireless stereo speakers above the proposed legal limit to allow the whole neighborhood to hear what he's listening to!) Any proposal that will lead to more interference on any radio band can not be tolerated!! The time is now to write to the FCC to voice your opposition to Gen. Docket 87-389. Send a one page typed written letter to:

Mr. William E. Ricarico, Secretary
Federal Communications Commission
1919 M Street, NW
Washington D.C. 20554

Please write Gen. Docket 87-389 in bold letters on the top of the letter. Then state your qualifications as a hobbyist to comment on the proposed rule change. Write several specific reasons for disagreeing. Include your name address and telephone number under your signature. Make 5 photocopies, and sign each. Send all to the above address. All comments on this proposal must be received by March 7th.

For more specific details on Gen. Docket 87-389, write to ANARC. Updated reports on 87-389 will be presented on Glenn Hauser's World of Radio.

"World Friendship Through Radio" is the theme of this year's ANARC Convention. The convention will be held from July 13 to 16, 1988 in Huntington Beach, California. It is being hosted by the American Shortwave Club. They plan many great events of interest. The keynote speaker this year will be Ray Briem. Ray is a popular Los

Anges radio talk show host on KABC and on the ABC Radio Talk Network. He has hosted several programs on DX'ing. And WTFDA's Dr. Bruce Elving has been a guest on a few of these programs. For more information about ANARCON '88, send a SASE to:

ANARCON '88
16182 Ballard Lane
Huntington Beach, CA 92649 U.S.A.

NEW YORK METRO MEDIA NEWS

When writing an article like this, sometimes news that is "late breaking" at the time it is written, may be common knowledge at the time it is published. I'm sure this will be covered in the FCC FM News column, but it is too interesting to pass up. This deals with the change over of Long Island's WLIR to WDRN. WLIR was famous for its progressive free form format. For the last several years, the station,

located in Garden City, NY, was under the leadership of a group made up of the station's program director, and several investors. When the new group took over, they let go most of WLIR's on air staff. The now out of work WLIR staffers vowed to come back with a new WLIR. They took out full page ads in the local newspaper that read:

Dear WLIR Listeners:

As you know, due to a FCC decision WLIR has had to relinquish the 92.7 frequency to new owners. This corporation is no way connected with WLIR.

WLIR will be moving up the dial very shortly and will continue to bring you the best new music first!!

We thank you for the many Thousands of letters of support we've received. We appreciate your interest in our new location on the radio dial. As soon as we are able to, we will advertise our new dial position.

Until then- accept no limitations.

WLIR

The Original New Music Station.

The big question is where will they show up on the FM dial? I have heard no answers to this question yet.

Will the New York Post survive? The Post is owned by Rupert Murdoch. Mr. Murdoch also owns WNYW Channel 5 in New York, and the Fox Television Network. By FCC rules, he can not own both a television station and a newspaper in the same city. (He is having the same problem in Boston.) The New York Post is a very interesting newspaper. For much of its history, it was New York's most liberal newspaper. Mr. Murdoch took the paper over and made it into a sledge rag with a conservative editorial stand. The paper has since gotten better. It has actually become more credible at times than the New York Daily News! Since the Post is not profitable, it probably won't be sold and it will be forced to close. This is one rule of the FCC's that must be questioned as to who's being protected? It would

be understandable if this was a small market with one television station, one radio station and one newspaper. It would make sense for all the media outlets not to be owned by the same person or corporation. But New York is different. New York has over 4 daily newspapers, 15 television stations and about 70 radio stations. There is enough wide diversity in New York City's media scene to allow several newspapers to own a television or radio station. The only one who would benefit from the sale or closure of the New York Post is the New York Daily News, who's owners own a New York City Television and FM radio station-- WPIX-TV and WPIX-FM!!!

WBCT-43 from Bridgeport CT is still going strong. They are now on 24 hours a day with AVN's home shopping program. The home shopping program is on 7 days a week, and there is no local programming. At least HSM has local feature reports each hour, and local preachers on Sunday morning.

WPLJ 95.5 FM changed their call letters without any announcements or fanfare. In fact the day before they had their regular WPLJ advertisements on Television. It came as a complete surprise to most listeners that they were now listening to WUPR. They have been and still are a notorious non-ID'er with their Power 95 slogan, that a call letter change really didn't matter!!

KUSW

The end of 1987 saw the debut of a new commercial shortwave radio station- KUSW from Salt Lake City Utah. It is the second Commercial Shortwave radio station on the air at present. Their programming consists of a format of album rock music and features about Utah and the American West. Their slogan is a catchy one, "From the West to the World". We wish them much luck in this venture. Hopefully this will lead to other commercial shortwave radio stations that are programmed towards entertainment and not governmental propaganda. It would be great to one day be able to go many places in the world and pick up a country music station, or a 40's Big Band station, or a "hot rocking" current hit station on shortwave from the U.S.A. Maybe other countries will follow our lead into commercial international broadcasting. Now, if we can only convince advertisers that shortwave is a great place to sell their products.

Finally, I like the proposal of an AM 2 and AM 3 band as put forth in January's FCC FM News. Finally, if this became a reality, the U.S.A. would have our own Tropical Bands. How many SWL's would support this idea?

Bill Fahber, editor
336 Atlantic Street
Bridgeton NJ 08302

FORUM CANADA

J. ROSENBERG (Thornhill Ont.) writes: "Here's an update on southern Ontario happenings. RE: TVO ch.18 Peterborough, CICO-TV-2. I called CICO & spoke to an assistant engineer who told me: ch.18 uses a 10 kw xmtr with tower at Harwood, south shore of Rice Lake. He did not know the ERP but calculated 776 kw using DBK/v max of 28.7-9. It is [directional] to NW. They began testing on Sept 22 [with] 3/4 CB pattern & 'TVO ch.18' or 'TVO Peterborough' keyed over. The signal is almost always snow free here in Northeastern Toronto at 65 [miles]. RE: GLOBAL: I spoke to an engineer there but question the accuracy of some of the info.

Toronto ch.41 - seen testing on Oct. 1 [with] 3/4 CB 'Global ch.41' programming began Oct. 22. ERP 1475 kw omnidirectional from CN tower. Purpose - to reach Niagara region.

Bancroft ch.2 - Mon. Oct. 26/87 - power (& possibly antenna height) increase to 100 kw from 100 kw max/50 kw horiz. - Purpose to cover Belleville & Kingston.

Midland ch.7 - s/on mid Nov/87. I first looked for it Nov 24 & there it was programming [with] 'CIII-TV-7 Global' keyed over in rt. lower corner.

Windsor ch.22 - to be reactivated with the original site, power, antenna at Stephenson in mid-May 1988.

Peterborough ch.27 s/on late May/88.

Owen Sound ch.4 s/on late May/88.

Uxbridge ch.22 - to stay on until approx June/88 to allow CATV cds. to adjust head & pick-up.

Ottawa-Hull ch.6 - to move to Camp Fortune PQ antenna farm & increase power from 12.6 kw to 70 kw (that's what he told me - unlikely [with] CBMT Montreal 100 mi. away) Most likely its 17 kw.

So now I have Global locals with 6, 22, 41, 2 & 7 easily received & 27 local to come."

Several articles from DAVE SINCLAIR (Vancouver B.C.): The 9/3/87 *Province* reports, "The Canadian Home Shopping Network will press federal regulators for permission to broadcast sales pitches live, says chairman John Goldberg. Live broadcasts, as opposed to still photographs and voice-overs the eight-month-old service now uses, are crucial to long-term profitability, Goldberg said." Another company having financial difficulties is Cablesare. From the 9/24/87 *Globe and Mail*: "The president of Cablesare, Inc., a company that hopes to initiate television viewers around the world to the joys of home shopping, tried hard to transmit a bright picture at yesterday's annual meeting in Toronto, but shareholders remained tuned to the gripping saga of the company's plummeting stock." The 11/17/87 *Globe and Mail* reports on a related subject, "After 15 months of trying to sell local advertising on alphanumeric channels, cable operators have discovered a wide spread between their revenue expectations and actual results. The number of systems with alphanumeric channels - community channels that are restricted to still image backdrops for commercial messages - has more than

lifted some of the restrictions on cable advertising. But the revenue the channels have produced lags at least 30 per cent behind projections, according to a survey carried out by a cable advertising task force of the Canadian Cable Television Association." "Because the CRTC does not permit advertising messages to contain moving images, presentation styles are limited to audio, listings, graphics, still photo or video - in any combination. However, the survey points out that many advertisers have been asking for more sophisticated presentations than they have been getting. That factor, along with sales management problems, has forced prices down."

From the 11/2/87 *Playback*: "U.S. television station KNRR wants into the Winnipeg market but the CRTC won't let it. The station, located in Fargo, N.D., with a rebroadcast transmitter in Pembina, N.D., 90 kilometres south of Winnipeg, finds that the international border is keeping its signal out of Winnipeg living rooms. KNRR has made a determined effort to crack the big market but the CRTC won't give it a spot on Winnipeg cable, so it says it is forced to take alternative action. 'We are going out aggressively, trying to be a part of the market. We are on a public program to let people know that we are there,' says Jim Moore who is heading the drive for recognition from his office in Winnipeg. The latest attempt to entice Winnipeg viewers has the station selling antennas at deep discount prices. Three and a half months ago KNRR set up a Winnipeg store to sell these antennas for just \$15.95. Similar items in other stores in the city fetch double or even triple that price. So far, about 2,000 Winnipegers have taken the station up on the deal. The station plans to bring some ammunition the next time a Winnipeg cable company asks the CRTC for permission to include KNRR in its agenda. Moore says the petition his company started has over 10,000 names with more being added almost every day. Moore hopes this show of support will encourage the commission to reverse its October, 1986 decision keeping the station off Winnipeg cable."

Update on television station CKVU-TV in Vancouver B.C.: The 10/30/87 *Vancouver Province* reports that Darryl Duke and Norman Klenman, who own 49.9% of the station, finally agreed to sell their remaining interest to Izzy Asper's Canwest Pacific Television Inc. But the 10/30 *Globe and Mail* reports that Duke will be appealing the B.C. Supreme Court decision, and at the same time cautions that he will refuse to sell his remaining share unless Asper can meet his price. The 11/87 *MediaScene* reports that Asper plans to sue Duke and Klenman for damages resulting from their refusal to turn control of the station over to him. And Charles Allard (remember Allarcom?) is planning his own court claim to take over the station from Asper.

Other news from out west comes from the 11/2/87 *Globe and Mail*: "Three television networks are locked in battle for Saskatchewan's eyes, ears and more than \$10 million in advertising revenue. Until September, the province's TV viewers had a choice of only the CBC or CTV - plus four Detroit stations if they subscribed to cable service. But for the past six weeks, STV, controlled by Winnipeg businessman Izzy Asper's Saskwest Communications Inc., has also been on the air. It has taken 10 years and \$12 million for Asper to set up a third network in Saskatchewan. Even after the [CRTC] gave its initial approval in 1985, the Tory cabinet in Ottawa ordered the agency to review its decision." "A year's delay hasn't stemmed the enthusiasm of STV's backers or the hot debate in Saskatchewan surrounding the new kid on the

broadcasting block. The new network offers the usual line-up of U.S. shows, but manages to broadcast some of them a day ahead of the Detroit stations. A big plus is the national Global Television News from Ontario. Global (of which Asper is the majority stockholder) is an STV affiliate, as are CKND-TV in Winnipeg and stations in Alberta and British Columbia. STV's major opponents - Regina's CKCK-TV and Saskatoon's CFQC-TV, both CTV affiliates own by Baton Broadcasting Corp. of Toronto - fought long and hard to convince the CRTC that the advertising market was too small to support the new network."

Canada is getting serious about HDTV (high definition television). The 10/7/87 *Globe and Mail* reports, "The race is on among North America, Europe and Japan to develop a workable, inexpensive system of enhanced television transmission for mass consumption. But if the North American broadcasting industry fails to get its act together quickly, delegates to the Third International Colloquium on Advanced Television Systems were warned yesterday, it may lose out to the Japanese system of high-definition television - and the potentially enormous equipment sales that go with it." "High-definition television, which enhances a TV picture by using 1,125 scanning lines a frame instead of the North American standard of 525 lines (625 lines in Europe), has already been developed in Japan to a point where that country is providing production equipment to North American broadcasters. The Japanese system, developed over 17 years by the national broadcasting company NHK, has now been accepted as the studio production standard in North America. But HDTV production is of little use unless the signal can be transmitted to a TV set capable of receiving it - which means new sets." "In the United States in particular, the need to keep on operating the 120 million TV receivers now in use is a major concern. North American technicians are working hard at ways to enhance a television signal that can be received on a standard set. (Enhanced-definition TV, or EDTV, uses the technique of separating the transmission of brightness and intensity by manipulating the electronic circuitry at the sending studio. Because the same number of scanning lines are used, the picture can be received on an ordinary set, although the quality is usually about twice as good as that of a standard TV picture.)" The 10/6 *Globe and Mail* adds, "HDTV...may find its first market in Canada among business users of private satellite television transmission networks. So hopes Telesat Canada, the 50 per cent Government-owned domestic satellite communications services company. Telesat is now actively trying to sell HDTV...to Canadian businesses as a high-quality, multiuser, two-way business communications tool." A full-page ad by Rogers Communications Inc. in the 10/17/87 *Globe and Mail* reads, "INTRODUCING HIGH DEFINITION BROADBAND TELEVISION" "In October Rogers Communications Inc. introduced a revolutionary, high-tech, new broadband television service distributed in the Rogers Mississauga Cable TV area. Skyline Cable Television and Scarborough Cable Communications Ltd. introduced a similar service in Ottawa and Toronto." "Canadians are looking forward to this exciting new very high definition television which requires several channels of bandwidth to deliver each television service. Only the cable television industry has the multi-channel bandwidth to provide this television service of the next decade."

It looks like more commercial advertising on the CBC,

according to the 10/23/87 *Vancouver Sun*. "The CBC will have to increase commercial time if it is to maintain the quality of its television programming, corporation president Pierre Juneau told the Commons committee studying changes to Canada's broadcasting policy Thursday." The 11/9/87 *Montreal Gazette* also reports on the possibility of increased advertising: "Well may New Democratic MP Lynn McDonald lament the possibility of more commercials on CBC television. Miss McDonald, sitting on a Commons committee examining the broadcasting industry, was reacting to senior CBC officials who warn that the CBC faces a deficit of \$56 million next year. One way of reducing it, they say, would be to increase from eight minutes to 12 the amount of time in an hour sold to advertisers and to allow commercials on some programs now shown without them." A catch-22 situation: You want to improve programming so that it can compete with foreign programming, so you increase your budget. That means more money is needed, which means more commercial advertising, which means more commercial interruptions in the programs you want to improve. The only real solution is going to be more tax dollars and socialized television.

The 11/87 *MediaScene* reports that broadcasters from Canada, United States and Mexico met in Quebec City and resolved to urge governments not to tax advertising and to establish standards for AM stereo and High Definition Television.

The CRTC finally made its decisions on the licensing of all those specialty cable services, according to several articles. The 12/1/87 *Globe and Mail* carries the headline, "Like it or not, subscribers will pay for new channels." But that increase will be less than \$2 per month. "Canadians will have a raft of new television channels - from all-news to religion - at their fingertips within the next year, and they'll be paying for them whether they like it or not. That's courtesy of the federal broadcast regulator, which yesterday authorized the addition of nine new English- and French-language services to the basic viewing package consumers buy with their monthly cable-TV subscriptions. The [CRTC] also authorized the transfer of two existing, discretionary pay-TV channels - The Sports Network and MuchMusic - to the basic service, while issuing a license for one new pay service aimed at youth and family audiences." "Where new services are concerned, the big winner is the Canadian Broadcasting Corp. It defeated Allarcom Ltd. of Edmonton for a license to provide a 24-hour-a-day all-news service. Yet Allarcom won on another front. Together with First Choice Canadian Communications Corp. of Toronto, it won the license for the new discretionary pay channel to be known as The Family Channel. First Choice, meanwhile, suffered a big defeat in the CRTC's decision to allow TSN and MuchMusic to become part of the basic cable package."

Another article in the same paper reports on the new CBC news service: "CBC president Pierre Juneau, speaking of the all-news cable channel, said, 'This may well be a landmark decision for Canadian broadcasting. The preservation of a Canadian perspective on world events is crucial to the future of our country,' he said in a prepared statement. 'Today's decision provides us both with an opportunity and a challenge for the CBC to better serve the Canadian public.'" "A similar license application from Allarcom Ltd. of Edmonton was turned down by the CRTC. Millionaire broadcaster Charles Allard, owner of Allarcom, said in a statement he is understandably disappointed. 'An

historic opportunity to decentralize and diversify electronic news and information has been lost," he said. "The CBC now has a stranglehold on television news and public affairs information in Canada and this is not in the best interest of our country."

The 12/5/87 *Globe and Mail* gives additional news on Allard's reaction: "Charles Allard...said he is considering appealing the federal broadcast regulator's decision to award the three-year license for a 24-hour-a-day, English-language all-news service to the Canadian Broadcasting Corporation."

More detail on those new channels comes from the 12/11/87 *Vancouver Province*: "There are five new Canadian TV channels coming by next September - six if you want to pay extra - and four new American superstations, some of which may find their way into your living room as soon as next month. All are to be carried on what the CRTC designates 'basic service'.... "It's going to cost you more. Expect to add about \$1.75 a month to your basic cable bill, more if you choose to add the new Disney Family Channel. For this you'll get CBC's new 24-hour news service; YTV, a youth and culture channel; a 24-hour national weather channel; the established TSN sports channel and MuchMusic, which are likely to be scrambled and moved to the basic service. A free religious channel, Visions, is also part of the package. And some or all of the U.S. superstations WOR New York, WTBS Atlanta, WGN Chicago and the USA Network have been approved for Canadian systems."

But according to the 12/4/87 *Globe and Mail*, those U.S. superstations must be offered along with a Canadian pay-TV service, such as First Choice, in the same package deal. This could actually have an adverse effect on pay-TV. "The trouble is that, at best, it is so far unclear whether the cable companies will be able to get Canadian rights to some of the programs carried by the U.S. stations... Those rights may already be held by conventional 'free TV' broadcasters in this country. And in cases where the rights are available, there may be other problems associated with U.S. copyright law."

From the 12/4/87 *Real Estate Weekly* (Vancouver area): "Today...marks the beginning of the world's first interactive television real estate listings as the Real Estate Weekly Home Show goes on the air." "Over the weekend, from Friday through Sunday, the *Real Estate Weekly Home Show* will also feature Open Homes throughout the entire Lower Mainland, drawn from all ten editions of the *Real Estate Weekly*, Canada's largest real estate publication. The *Real Estate Weekly Home Show* is the first interactive listing and sales service for real estate ever offered."

The 12/4/87 *Globe and Mail* reports, "Canadians are watching significantly less U.S. television even when it is freely available to them, according to the results of a major study of North American media released by Toronto-based McCann-Erickson Advertising of Canada Ltd. 'Tuning to U.S. stations by Canadians - while still substantial - is declining in many markets due to increased simulcasting and the pre-release of U.S. programs on Canadian stations,' said the study.... The study - prepared for agency clients on both sides of the border - also cited the increasing popularity of videocassette recorders and pay-TV, in addition to pre-releases and simulcasts, as major factors in the Canadian audience decline."

MORRIS SORENSEN (Milton, Ont.) sent in an article from the 11/30/87 *News North*, which gives a pic-

ture of what television is like in those remote communities north of the tree line. "For the past month the CBC has had an especially captive television audience in Rankin Inlet. Due to a directive from the hamlet council, television viewers have been receiving only channel 9 (CBC) because the council decided to switch off the transmitters from the community's satellite dish until residents raised \$24,000 - the amount needed to keep the satellite operating for the next 12 months - says hamlet councillor Jack Anawak. But on Friday at 5 p.m., after more than \$16,000 had been collected, the four transmitters were switched on and viewers could pick up the three other stations (from Detroit, Edmonton and British Columbia) and three FM stations."

Morris adds, "We had one of these community owned dishes in Leaf Rapids (northern Manitoba) where I used to live. It enabled reception of WTBS Atlanta, Home Box Office, KTVU Oakland CA, etc. which were picked up from the satellite & rebroadcast at very low power. It had since been replaced by a regular cable system. Although technically illegal it was located next door to the local Royal Canadian Mounted Police detachment! That just means less walking to receive their weekly payoffs."

From **WALTER PATTON** (Willowdale, Ont.): "Here is the latest data from the C.R.T.C. Since I found out that the Metro Toronto Reference Library has the Commission's notices and decisions I have been able to obtain the information which was no longer available in the *Canada Gazette* as far back as the beginning of 1986. The vast majority of it relates to lower power rebroadcasters almost all of which rebroadcast satellite signals in scrambled form. The STV status of these rebroadcasters is usually not made clear in the decisions but it may safely be assumed that where a large number of transmitters have been approved that the signals are scrambled. U.S. signals are all scrambled." "The new stations in Winnipeg MB, Regina and Saskatoon SA should be on the air by now. They along with CKVU Ch 10 Vancouver BC ... will be carrying a newscast from Global TV in Ontario. Because of shared ownership of these stations newspaper reports have speculated that this is the beginning of a new trans-Canada network. Global has been testing its new channel 41 transmitter located on the CN tower in Toronto so they must be nearing the start stage of the changes outlined in my last letter."

NEW APPLICANTS APPROVED:

PR CITY/CALLSIGN	CH	kw	ERP	NET	REPEATS
AB Red Deer	10	180.	ind	CITV(13)	Edmonton
BC Oosta Lake	10	.141	CBC	CFTK(3)	Terrace
NB Fredericton	41	53.6	Atlantic	Satellite Network	
NB Moncton	27	108.	ASN		
NB St. John	23	134.	ASN		
NS Halifax	20	128.	ASN		
ON Chetnam/Blenheim	64	4.	CBC	CBLT(5)	Toronto
CBLT-4					
ON Cloyne	55	57.15	-	CICA(19)	Toronto
ON Kenora	44	58.21	-	CICA(19)	Toronto
ON Kitchener/	56	268.	CBC	CBLT(5)	Toronto
CBLT-2					
ON London/CBLT-1	40	1000.	CBC	CBLT(5)	Toronto
ON McArthur Mills	42	63.76	-	CICA(19)	Toronto
ON Sarnia/CBLT-3	34	10.	CBC	CBLT(5)	Toronto
ON Wingham/CBLT/5	45	82.8	CBC	CBLT(5)	Toronto
PQ Rimouski	18	.887	TQS	CFJP(35)	Montreal
SA Prince Albert/	9	27.	CTV		
CIPA-TV					

NEW APPLICANTS DENIED:

PR CITY	CH	kw	ERP
ON Deep River	3	3.	
ON Simcoe	67	26.	

"The Deep River ON station was denied because it was not needed as CHRO(5) Pembroke was denied permission to move its transmitter nearer to Ottawa. The Simcoe ON transmitter was left unneeded following some power increases to the new CBLT(5) Toronto rebroadcasters."

STATIONS DELETED:

PR CITY	CH	kw	ERP	CALLSIGN
ON Ottawa	60	2809.	CFNC-TV	
PQ Camp LG-3	7	0.523	CH2441	
PQ Camp LG-4	7	0.454	CH2442	

CHANGES GRANTED:

AT Calgary; new ch.13; change ERP from 1.8 kw to 1.6 kw
AT Red Deer; CKRD-TV-1, ch.6; raise ERP from 97 to 98 kw.
MB Winnipeg; CHMI-TV, ch.13; reduce ERP from 287 kw to 195 kw.
ON London; CFPL-TV, ch.10; drop CBC network.
ON London; CBLT-9, ch.40; change to ch.53 and raise ERP from 24.4 to 38.4 kw.
ON Wingham; CKMX-TV, ch.8; drop CBC network.
ON Warrton; CBLT-6 (from CBLX-TV), ch.20; to rebroadcast CBLT-5, ch.45, Wingham.
PQ Montreal; CIVM, ch.17; reduce ERP from 1212 kw to 851 kw.
PQ Trois Rivieres; CFKM, ch.16, not ch.20 (115.6 kw ERP).
SA Prince Albert; CKBI-TV, ch.5; raise ERP from 61 kw to 100 kw.

NEW CALL LETTERS

PR CITY	CH	kw	ERP	CALLSIGN
ON Belleville	53	61.3	CICO-TV-53	
ON Kingston	38	62.8	CICO-TV-38	
ON North Bay	6	57.	CICA-TV-6	
ON Penetanguishene	51	60.	CICA-TV-51	
ON Timmins	7	84.4	CICA-TV-7	
PQ Quebec	2	23.7	CFAP-TV	
PQ Rouyn-Noranda	20	81.	CFVS-TV-1	
PQ Val d'Or	25	102.	CFVS-TV	
SA Atticane	10	4.7	CIPA-TV-1	

(ex-CKBI-TV-1; now repeats CIPA(9) Prince Albert)

APPLICATIONS FOR NEW STATIONS:

PR CITY	CH	kw	ERP	NET
ON Hawkesbury	39	6.84	TVO	French
ON Hawkesbury	48	6.65	TVO	
ON Sudbury	25	16.40	TVO	French

APPLICATIONS FOR CHANGES:

BC Radium Hot Springs; CBUBT-5, to change from ch.77 to ch.17; raise ERP from 0.79 kw to 0.2 kw.
MB Foxwarren; CKX-TV-1, ch.11; to raise ERP from 46.8 kw to 56.8 kw.
ON Ottawa; CHH-TV-6, ch.6; to move transmitter location and reduce ERP from 14.7 kw to 8.7 kw.
PQ Rouyn-Noranda; CKRN-TV, ch.4; to reduce ERP from 115 kw to 98.4 kw.
PQ Rouyn-Noranda; CFVS-TV-1, ch.20; to increase ERP from 81 kw to 83.21 kw.

U.S. - P. I. C. O. R. U. S.

No doubt you noticed the new logo three pages back. I'm not really in it for the change; I just got tired of the aggravation of photocopying the logo and making

sure the printer didn't type text over the logo. Believe it or not, this logo is printed with FONTMASTER, as is the text. I named this font "GIANT", for obvious reasons. The only reason for designing the previous logo back in November, 1982, was to recognize that the column had gone beyond simply reporting FCC news

Also, my apologies for not having a column last month, but I had to prepare for final exams at college. Besides, the library goofed up again and didn't have the research material available until after the deadline for mailing it in. I hope they get their act together, or there may be future editions of the VUD without television data.

Surprisingly, only one letter from the Northeast in the past two months. **BEN WILKIE** (York ME) comments on printing the "channels listed" portions of various TV Guides: "Not only do I think it's a great idea, but I can supply you with several if you wish. I have been collecting editions from various areas for many years. I have Sunday paper editions from Boston 1970. Also, same year, from the Toronto Telegram (now defunct)! Plus new editions from Virginia, D.C., Pa, N.Y.C. etc. Just let me know, I'll send some along." I'm willing to put them in my column, since there is an interest among WTFDA members. But a few conditions: they must be recent; none will be published during the heavy DX issues from August thru November; and cable channels will not be included.

"Plus, new word from W60T ch.60 Merrimack N.H. They don't plan regular programming until April 2nd, 1988! Until then, will continue with music videos."

Ben sent in an article from the 11/19/87 *Boston Herald*: "Channel 62 in Lawrence, Greater Boston's newest TV station, has been on the air a month now with mostly shoppers' news. But some day its principal owner, Avi Nelson, hopes to air more programs to serve the community. 'We'll probably do some things to meet the objectives of local groups in the Lawrence area, such as municipal, political, civic, religious and ethnic organizations,' said Nelson. He couldn't put a timetable on when such programming changes at the station, WMFP-TV, would be made." Ben commented, "It's good to see that they don't anticipate a future of 'home shopping' as their principal programming." Look again, Ben. They're not talking about syndicated programs or movies; they're talking about just enough public service spots to keep the FCC and special interest groups off their backs. That's all HSN and the other shopping stations are doing: just enough to keep their license. The article continues, "The broadcasting studio is in Lawrence and the transmitter in Georgetown. 'We reach about 570,000 homes in northeastern Massachusetts and southeastern New Hampshire,' Nelson said. The population of that area is roughly 1.5 million people. 'We hope to serve the Merrimack Valley for the first time with a channel that's not a big Boston station,' Nelson said." At 20 kw ERP, there's not much chance of mistaking WMFP for a big Boston station. A little Boston station, maybe. "We also have plans to increase the size of the facility, a better tower location and a considerably higher power range in the not-too-distant future," he added."

JOHN O. BROOMALL (Kennesaw GA) writes, "I talked with George Sebastian, Director of [low power] Network Development for [Trinity Broadcasting Network]. He is sending me data that has not yet been printed by TBN and is far more complete than what you have (referring to the list in the 12/87 VUD.-wbf). Incidentally, TBN has gone to 'zero

construction delay" -- by careful preplanning and advance construction, TBN LPTVs are now going on the air the day the CP is received!!! (not so for full power, however). I have the INSIDE TRACK for TBN info.

"I talked with a friend at Georgia Public Television, John Vance (Network Engineering Director) and I uncovered a large scale error in the WIFDA Database. Almost every channel listed as vacant in Georgia has been used for years by Georgia Public Television translators!!! The enclosed sheet documents this -- each of the GPIT listing was shown to be vacant in the database. Mr. Vance and I don't understand how these translators didn't show up in your research. Mr. Vance doesn't consider any of these as 'unofficial,' 'unauthorized,' or expendable. He says that if anyone tries to apply for these channels they would end up in a 'huge fight' with the State of Georgia! The State had already found and won a battle with one 'intruder.'" The truth is, that every single one of those GPIT translators is listed in the 1984 WIFDA Translator-Low Power TV List. And the reason they were deleted from the 1987 NATVDB is that they are definitely NOT official, authorized full-service broadcast television stations, and that they are definitely expendable intruders into a portion of the electromagnetic spectrum designated primarily for full service broadcast television. Section 74.702(b) of the FCC rules, effective 6/17/82, reads, "Changes in the TV Table of Assignments ... authorizations to construct new TV broadcast stations or to change facilities of existing ones, may be made without regard to existing or proposed low power TV or TV translator stations. Where such a change results in a low power TV or TV translator station causing interference to reception of the TV broadcast station, the licensee of the low power TV or TV translator station shall eliminate the interference or file an application for a change in channel assignment." Only an FCC action or a court order can give an existing secondary service such as a translator or LPTV precedence over an application for a primary service. Such a situation could occur if it were in the public interest to retain the translator or LPTV, and this could very well be the case in Georgia. At the time they were constructed, the FCC ruled that translators operating on an assigned UHF channel must operate with 1 kw TPO compared to 100 w for other translators. The Georgia Public Television translators all operate on assigned channels with educational reservations, and for the most part are relatively strong. They thus have the economic advantage of covering the state with a few broadcast stations and a series of inexpensive translators instead of several broadcast stations. Another applicant for a noncommercial channel could threaten the economic viability of Georgia Public Television by reducing its viewership, while at the same time interrupting an established educational service for one which may be inferior.

John continues, "The mystery remaining is Young Harris listed as vacant on SI with the state using channel 50 a few miles away in the next town. What is the minimum mileage between a translator and a full power on an adjacent channel? What are your comments on this SI/50 situation?" There is no fixed mileage separation between a full service station and secondary services. It was in 1983, a year after legally establishing LPTV as a service, that interference protection was defined in section 74.705(a): "The TV broadcast station protecting con-

tion will be its Grade B contour signal level...." In other words, the channel 50 translator would probably have to change to another channel to avoid interference anywhere within the Grade B contour of channel 51, should it ever go on the air.

"How many channels shown as vacant in other states are actually occupied by translators?" Quite a few, but I don't have a list of them. Operating on an assigned channel had two advantages: you could operate at a higher power, and you could be sure of interference protection from any future full service broadcast stations, as long as your channel was not taken over by an applicant.

"I have just learned how HAAT is computed - do you know? (If not, let me know.)" Section 73.681 defines antenna height above average terrain in this way: "The average of the antenna heights above the terrain from approximately 3 to 16 kilometers (2 to 10 miles) from the antenna for the eight directions spaced evenly for each 45 degrees of azimuth starting with True North. (In general, a different antenna height will be determined in each direction from the antenna. The average of these various antenna heights is considered the antenna height above average terrain. In some cases less than 8 directions may be used....) Section 73.684(d) gives further directions involving situations where those lines cross over bodies of water or international lines, as well as a ninth line if the other eight do not cross over the city of license. But from what I understand, the FCC has been allowing stations to eliminate this method and use some aeronautical maps instead, causing many of the discrepancies I have been finding where changes in antenna height are inconsistent when compared above average terrain, above sea level, and above ground. If you know of a method other than what I described, let me know.

A new television scheduled to go on the air this month is WAWA, ch.14 in Rome GA. (I still had call letters WZGA; are they now affiliated with the Home Grocery Shopping Network?) NICK LOMBARDI (Atlanta GA) sent in this article from the 11/30/87 Atlanta Journal: "Vic Rumore has no delusions of grandeur for his company's latest broadcasting venture - a television station in Rome, Ga." "Scheduled to begin transmitting from atop Floyd County's Mount Alto in February, WAWA-Channel 14 will cover a radius of about 30 miles, encompassing Rome and other communities such as Cartersville, Cedartown and Somerville." At 5000 kw ERP, they should be doing better than that, unless there's a change I don't know about. "The Rome market is blanketed by Atlanta and Chattanooga, Tenn., television stations, which Rumore said will force Channel 14 to be different to succeed. "We are not trying to be an Atlanta station or a Chattanooga station," said Rumore, who is president of Sudbrink Broadcasting Co., based in West Palm Beach, Fla. "We can't compete on that level. We just want to be a local station for the people in that area." How much you wanna bet they sign up with HSN?

A little further south to Florida with JOHN COMBS (Jacksonville FL), who sent in a few newspaper articles. The 11/24/87 Florida Times-Union reports on the use of closed-captioning with a local news program. "Viewers in Jacksonville with special decoders now are watching TV-4 (WJXT, ch.4 - wbf) newscasts and, along with the pictures visible to everyone else, are seeing the scripts Robyn Sieron, Rob Sweeting, Tom Wills and Deborah Gianoulis read during their newscasts. While news anchors may look

like they've memorized their lines, in fact they're looking into a machine that scrolls the lines they're supposed to say. Called a Teleprompter, it also contains everything spoken on tape by reporters and those they interview. Starting this week, TV-4 began the electronic connection between the Teleprompter and captioning. Using hardware designed by Madison, Wis., company Dynatech Newstar, the system is one of a handful of computer-only captioning processes in the United States. Of those, it is billed as the only one that allows for last-minute changes without interruption. For the deaf and hearing-impaired Northeast Florida residents who own a decoder, it is the first time they have been able to see a local newscast with captions." "The TV-4 system, like similar projects in Colorado Springs, Colo., and Wichita, Kan., reduces costs considerably because there is no need for additional personnel. It is also faster, since the human element is removed. The primary disadvantage is that, since it's based on the Teleprompter, it does not include every thing in the newscast. Weather is not captioned, for example, because there is a high degree of ad-libbing and much of the information is printed out on the screen."

The 12/12/87 Southeast Entertainer (a local weekly entertainment guide?) brought bad news to John: "The Jukebox Network is almost ready to go on the boards as J'town's newest channel. The all computerized facility will broadcast music videos 24 hours a day on a request basis. WIOAX, Channel 10 is a low powered channel that will broadcast from high atop the Independent Life Building." John comments, "Great...just what I needed---another local VHF local. The xmtr of this thing will be about 3 miles from my QTH. What a waste! 24-hour music videos...isn't that what MTV is for?? I had been hoping that the CP of WIOAX would just fade away. The only consolation would have been if the programming was worthwhile. No such luck. I haven't seen them yet---maybe it's just a nasty rumor." According to the article, they will take requests. Maybe if you asked them to.... In a later letter, John wrote, "Unfortunately for this DXer, WIOAX has turned out to be more than a nasty rumor. The LPTV signed on 12-24 at 1500 EST. They are a computerized 24-hour music video stn, with the videos chosen by viewers. If one wishes to see a particular video, he or she dials a 976 number and enters the 3-digit code for that video. They are then placed in the order they were requested. They claim a 16-mile coverage area but, at 3 miles distance, I find their signal stable, but noisy. I doubt even an outdoor antenna is getting a decent signal out to 10 miles. They put up a full 10 once an hour, legal calls and all, which is probably rare for an LPTV." You have one more option: call the number twenty times an hour each evening and request "Walk Like an Egyptian." Maybe everybody will go back to MTV.

Now we travel up to the Midwest and the Ohio Valley, starting with DAVID MOODY (West Portsmouth OH), who writes in a letter dated 12/4/87, "As of October 27, 1987 at noon, WUXA shut down all operations. The reason for this action is unknown at this time. The Broadcast Technician Mr. Frank Walls was also laid off. They claimed that operations will start again January 15, 1988." Maybe that's how long they expect it to take for them to find out where he hid the klystron tube.

WENDELL FORD (Westville IN) sent some articles about new television station WYIN and about the notorious pirate who cut into the signals of two Chicago televi-

sion stations. The 11/24/87 Post-Tribune reports, "A video pirate, wearing a Max Headroom mask instead of the traditional eye patch and waving his exposed rear end instead of Jolly Roger, took captive the signals of two Chicago television stations Sunday night. He struck first at WGN-TV (Channel 9) during the sports segment of the 9 O'clock news. 'The interfering signal began as black,' said WGN chief engineer Bob Strutzel. 'After a few seconds, up comes a video of a person with a Max Headroom mask on, going through some Max gyrations of one kind or another. Basically that was it. There wasn't any audio.'" After 28 seconds, the engineers at WGN were able to switch to an alternate transmission system, Strutzel said. The people at WTTW-TV (Channel 11) weren't as lucky. The pirate struck again during the "Doctor Who" broadcast, which began at 11 p.m. This time he was on for one minute and 28 seconds, during which he exposed his derriere (in profile) while he or someone off camera swatted it with a fly swatter. Channel 11 wasn't able to cut off the signal. Anders Yocum, WTTW vice president for corporate communications, said the station had another mode of transmission to go to, but it broadcasts on a frequency that wouldn't have prevented the piracy. The pirate's broadcast on WTTW had audio, but most of what the pirate was saying was unintelligible. 'Occasionally you could pick out a word or two,' Yocum said, 'but for the most part it was pretty badly garbled.' "Certainly the people involved need to have a significant knowledge of broadcasting and broadcast frequencies, have a high power level (for the transmission) and be in line of sight with the stations, between the studio and the receiving site." Another article from the Valparaiso Vidette-Messenger gives further detail from a viewer who managed to get most of it on a VCR: "David Howard of Algonquin, owner of a cleaning service, turned on his video recorder about halfway through the pirate intrusion. 'First the screen went blank for a moment, and then a pattern like metal grillwork began moving back and forth across the screen,' said Howard, who is a 'Doctor Who' fan. 'Then someone in a 'Max Headroom' mask - he wasn't computer-generated like the 'real' 'Max Headroom' - appeared. The video quality was clear, but the voice was garbled as if it had been electronically disguised,' Howard said. Howard said the masked man picked up a can of one popular soft drink, repeated a slogan for a rival soft drink that the stuttering Headroom character endorses, then made a remark about condoms. Howard said that before the interruption ended, the intruder, who appeared to be naked from the waist down, was spanked on the buttocks with a flyswatter by someone standing off camera." Wendell heard four possible explanations as to who caused the interruption: One was CBS correspondent Dan Rather. I don't know. Did he have two men come to him and ask him, "What's the frequency?"

The other item is the new television station. The 11/12/87 Valparaiso Vidette Messenger reports, "Northwest Indiana's own television station will make its debut Sunday. But Channel 56 (WYIN) won't be showing local programming for three to six months, general manager Richard L. Parker said." "Programming will continue [from 2:30 p.m.] through 11 p.m. Sunday. The station will be following a similar short schedule while everyone learns the ropes and everything gets straightened out during the first four to six weeks, he said. The primary reason is we ran into some

difficulties obtaining some programs because of our proximity to Chicago." (Chicago station WITW-TV has exclusive rights to certain programs in that area. - wbf) "It's going to take four to six weeks to resolve that." The programming will mostly be from PBS. But in three to six months, the station will be developing a half-hour local news program and about a half-hour of public affairs programming a day, he said."

Another article reports that the station went on the air Sunday, 11/15/87 at 2:30 p.m. with a taped speech by the governor of Indiana, followed by a performance of Gilbert & Sullivan's "The Pirates of Penzance." (I wonder if they wore Max Headroom masks.) Wendell reports that they were on the air testing on 11/13 at 8:30 p.m. The article goes on, "The station, Channel 56, will broadcast eight hours a day for the next four to six weeks, after which station manager Richard Parker hopes to expand the schedule to 15 or 16 hours per day." "Going on the air with a partial schedule, from 3 to 11 p.m. each day, was necessary to raise the money to keep the station going, officials said." "Northwest Indiana has been without a television station of its own since WCAE, Channel 50, operated out of Lake Central High School, went off the air in March 1983."

On WYIN, Wendell adds, "On Saturday night (11/21 - wbf) 7pm WYIN had 'Austin City Limits' when I.U. Basketball was supposed to be on. Station was having the infamous 'technical difficulties.' Joined 1/2 hour late, phones aren't installed yet so couldn't complain. On the other hand they couldn't beg for money yet. Wrong, they begged anyway & asked to send it to the station's address."

Wendell writes, "No testing of 55 WKKE Kenosha, Wisconsin as of yet (11/24/87-wbf). And Channel 26 WCIV Chicago still has their translator ID slide of W55AS from Milwaukee on, which will have to find another channel to operate on when Kenosha comes on."

BOB TIMMERMAN (Auburn IN) sent an article from the 12/8/87 *Evening Star* about Angola IN station WINM, which is temporarily off the air. "After three years of trying, WINM-TV should be on the air by June. Channel 63 will begin broadcasting religious programs from a 500-foot tower northeast of Butler. Government approval for the tower came Friday, station president Paul C. Paino said at a news conference Monday in Fort Wayne. "Two-and-a-half years ago, we had no idea that it was going to take this long," Paino said. WINM began acquiring the station's license in May 1985. "At times, we wondered if it was going to come to pass or not." The station could begin broadcasting by spring or early summer, Paino said. The starting date depends of equipment delivery and weather for tower construction. Paino said the station hopes it soon will have permission from the FCC to extend the tower to 1,000 feet." "The new tower site is three miles northeast of Butler. The antenna will be one mile north of U.S. 6, just across the Ohio line from DeKalb County." "With a 500-foot tower, WINM's signal will reach 20 counties (10 in Indiana, eight in Ohio and two in Michigan). If the tower is raised to 1,000 feet, the broadcasts will cover 32 counties, said Jerry Clark of the WINM staff. The station will broadcast with 5 million watts of power, giving it the area's strongest TV signal. Programs will originate from studios in Fort Wayne. The station is converting the former Calvary Temple at 2901 N. Clinton St. to studios and offices. WINM is owned by Hanna for Modern Man Ministries, Inc., affiliated with Calvary Ministries. The station plans

to show 65 percent religious programming and 35 percent family programs."

KEN ONYSCHUK (Oak Lawn IL) reported seeing WYIN-56 on 11/20/87. "Good signal on my 8-W portable & 2X antenna."

BILL DRAEB (Kewaunee WI) writes, "yesterday (11/17/87-wbf) on my way to school (UWGB) I noticed another tower going up about 600 ft to the west of WXGZ-32's (Appleton WI -wbf). It appeared to be around 800 ft tall but don't know if that's as high as it will go or not or if there will be more added to it. I don't know who's putting it up. Perhaps you have seen some info or know something about what could be going on over there. This past weekend I saw WYIN-56 Gary IN with regular programming and WMCC-23 Marion IN with same. A few days earlier I saw WWAT-53 (Chillicothe OH -wbf) with AVN shopping prog." Unless something shows up when I go through this month's research, I know of no application by WXGZ-32 to change to another tower, or by any of the Green Bay stations to relocate near it. In a letter dated 11/21/87, he adds about the tower, "The gin pole to life the sections in place was still on the last section that was put in place. There were about 8 sections on the ground yet waiting to be hauled up." "The tower itself seems to be a little lighter weight (gauge) than the WXGZ-32 and WGBA-26 towers which are identical (made by the same manufacturer). This one is a little different design, probably another brand. I also noticed that the block house for the transmitter is completed. I also noticed, when driving past WGBA-26's ant. that their old tower is gone (it was right next to their new ant.). Another thing that was missing was the elaborate studio, offices, etc. for WGBA-26 which were at the transmitter site. All that's there now is a block house for the transmitter. Also gone are 3 satellite dishes that were on the site the last time I was there. This stuff must have been removed when the station was sold."

Nathaniel Ely (Madison WI) sent in an article from the 11/10/87 *Wisconsin State Journal*. "Madison's first low-power TV station is being groomed to go on the air in early December. Studio and office space for TV-5 Madison, Inc., is being remodeled at 6115 Odana Rd., with a tower scheduled to be constructed by Nov. 15, according to Marilyn Friday, program director." "The new station will be on the air 24 hours a day within a month." "Friday said that broadcast range of the new station would be approximately 25 miles, which covers most of Dane County." "Friday said that the station will feature an extensive schedule of live UW-Madison sports events, including men's and women's basketball, wrestling, hockey and baseball, a Big 10 syndicated basketball package, some high school athletic contests, live coverage of city theatre events, a weekly video show with local hosts from high school and college campuses, possibly one or more local talk shows, and a children's show." "We'll also have four hours each day of Financial News Network (FNN), the daily call-in talk show from the nation's capital, 'Ask Washington,' a good assortment of movies, at least one per night unless live sports coverage is on," she said. "And we'll have a late sports update, 'Final Score,' that runs a half-hour each weeknight and an hour on weekends, and a comedy block, which will include a half-hour edited-down version of 'Saturday Night Live.'" Nate writes, "I've been hearing rumors about this station for about two years but I never expected them to get this far. The schedule is one of the most

ambitious I've ever seen for an LPTV. It seems to me that there is a remote possibility of them making a go of it. For one thing, getting on the cable automatically insures that TV-5 will be distributed far beyond their coverage area. The cable company has just about every small town in Dane county wired. Another thing is the University sports events. This town can't seem to get enough sports. Covering UW sports events is a natural for this upscale community. If TV-5 fails I don't expect that it will go dark. More than likely it will be snatched up by some religious broadcaster. Madison has yet to be invaded by Christian television (but what with the FCC's crusade it's only a matter of time). I didn't know the FCC had a crusade to spread Christian television stations around.

In a later letter, Nate reports, "The best TV news of 1987 is, in my opinion, the demise of Consumer Discount Network. They are trying to sell out their inventory as quickly as possible. Also, I no longer see the carnival of values shopping service. Are they out of business?" I think I heard that they were. Can anybody else give a definite on that?

One more article sent in by Nate, from the 12/21/87 *Des Moines Register*: "The new independent TV station in Burlington (Iowa -wbf), KJMH-TV on channel 26, now expects to go on the air full-time in early January, according to station officials. KJMH originally planned to go on the air Nov. 29, but equipment problems have kept the station dark. Station managers hope to begin testing their 30-mile radius signal a couple of hours each night beginning tonight. Burlington Broadcasting Co., whose principal owner is Burlington attorney Steven Hoth, has been trying to get the station on the air since acquiring a construction permit from the [FCC] in 1984."

Now coming to the Great Plains states, let's start with **ERED McCORMACH** (Fargo ND), who reports first on two Minnesota stations: "KCMT-7 Alexandria - now KCCO-TV. KNMI-12 Walker - now KCCW-TV. Both operated as satellites of WCCO-TV by new owner. Quite a surprise! Still have local ID (with new logo, 7 in a circle and 12 in a circle - like WCCO's 4 in a circle) and local ads, but local news production may be gone. At 10:00, relays WCCO-4 news." On North Dakota, "K32AP, Windsor seen on air with [character generated] ID (as Jamestown, ND) and NOAA wx audio."

PAI DYER (San Antonio TX) writes, "The spectre of a local Ch 2 here has already partially materialized as of mid-Sept with the unannounced springing of the LPTV K02MX (37-w at 400', 6.8 miles S of me). After 30 years here without such an animal, you can just imagine.... The stupid thing is still just a 24-hrs a day of 400-Hz tone and CBarsi! Enclosed was an article from the 9/17/87 *San Antonio Express-News*: "No, you're not seeing things. That ghostly new San Antonio TV signal you're getting on Channel 2 is for real. It's K02MX, the city's first low-power television station. It signed on Monday with a test pattern and will start airing programming in a couple of months. The type of fare it'll offer hasn't been determined, says part-owner Bob Roth, but he did mention these possibilities: * Maybe a music video station like Houston's Hit Video USA. * Or movies, movies, movies. * Or - and this seems the best bet - it might be part of a new low-power TV network around the country that's just getting started." "Roth says he's not looking to compete with the big boys. That would be futile since our station's power is all of 37.7 watts, while other stations in town like KMOL, KENS, and KSAT are 100,000

watts or higher," Roth said. K02MX's antenna is atop the Tower Life Building downtown."

DANNY BUNJIN (Stillwater OK) sent in a picture from the 12/29/87 *Stillwater NewsPress* which looked like a scene from "Attack of the Killer Spaghetti." It shows a man surrounded by hundreds of metal tentacles. The caption reads, "Mike Keathy uses a torch to cut sections from the KTUL-TV transmission tower near Coweta on Monday. The 1,900-foot-tall tower collapsed Saturday under the weight of accumulated ice." Danny adds, "Wow, wish I could have watched it reel over. What a sight it must have been. Station is back on the air as of 12-30, it is not visible in Stillwater."

GLENN HAUSER (Enid OK) forwarded an Associated Press article dated 11/25/87: "Convicted stock speculator Ivan F. Boesky and his wife face [FCC] action that could strip them of majority ownership of an Oklahoma City television station. The FCC is concerned about the transfer of control of the station last year without commission approval as well as Boesky's illegal activities. 'The gut question is are we going to take away the license,' said Charles Kelley, chief of the mass media bureau's enforcement division. The commission on Tuesday decided to hold a formal hearing on whether a company controlled by Boesky and his wife, Seema, is qualified to hold the license for KGMC-TV, an independent UHF station." Glenn comments in a letter dated 12/27/87, "KGMC-34 was off the air the afternoon of Sat 26 Dec. and I thought perhaps connected with Boesky's problems, but must have been weather-related as back on later that evening. Weather problem being: heavy icing, which resulted in the collapse of the KTUL-8 tower (apparently straight down)."

"However, this afternoon, KOKH-25 is missing. More icing, I suppose. KOKH is, by the way, the only OKC indie making any attempt at local news, with some capsules, Newstouch 25 inserted at various times. To my astonishment, they also carried some of NBC's Gorbachev/summit coverage, even when KTVY-4 was also at same time."

"The Ponca City LPTVs are interesting: ch 18 is (was) Tempo Television, apparently a satellite/cable service.... No local IDs heard (video not that great to be certain), and only local origination was some show interviewing local veterinarians on a Monday at 7-7:30 pm. The next day the station vanished (in late November) & I'm not sure what happened. Ch. 27 in Ponca is scrambled, with what?"

"Have also seen the OETA translator there (38). Semi-local is ch 46 in Medford; however, from antenna heading, it must be due north of Enid, i.e. quite a bit west of Medford. OETA still playing ancient s/on/off tape which only mentions, without any details, translators at Hugo and Idabel."

"KOKH-25 caught once at odd time supering ID for 'KD55N' [sic] [-gh] Ardmore. Not confirmed during good tropo opening but something in the mid-50s otherwise unaccounted for. This was Dec 8, when got as far as Hoston, Austin Us, also Abilene CBS on 32. The TBN stn on 60 in Tyler TX (you have as KJET cp) was also seen, and in fact earlier as I drove thru E Texas in early Oct on my move to OK. On the tropo opening, ch 25 in Waco was causing heavy CCI to KOKH. Have also seen OETA on ch 30 which I assume is Alva. In xlr list, p 54, you have K02MX as input for ch 56 Beaver City and ch 58 Buffalo--certainly not; look at your map--these are in extreme NW Oklahoma and would not get KOET, but KWET-12, (or maybe KETA-13, or

microwave/multiple xtr feed." I would venture to guess microwave. I found other cases of a microwave-fed station listing its input as the primary station. "The OETA stns NEVER separate for individual programming, as far as I know, tho there is a production centre at KOED Tulsa. The 7-7:15 ag pgm (sun-up) originates at OSU Stillwater. OETA also does a statewide news show weekdays at 6:30-7 pm, relying on input from a variety of commercial stns in different cities, Oklahoma report. I'm scratching my head as to why they put so much money into duplicating service; but it starts just after the local commercial newscasts are over. I think very few public TV stations do local news. This show is very frequently interrupted for program promos, just like commercial break! Lots of Mexican Es around Xmas. Note XHP-3 IDs as 'Super Trees.'

"Have had only poor reception of ch 17 in Bartlesville, TBN. Does not appear in Tulsa newspaper listings. CH 35 in Claremore is mentd in Tulsa TV Guide only in the heading, as carrying Learning Channel stuff, etc. Doubt PBS. I have never seen it yet (but my hand-rotatable antenna is usually toward OKC).

"No sign of and no news about these stns either: ch 46 Norman, 52 and 62 OKC. KTVY-4 and KOCO-5 are amazingly inept about upcutting/joining network up to 2 min late. KOCO also often switches to ID slide during ABC shows, probably when net is running AIDS pass!

Lastly, only one letter from out west, from JEFF KRUZKA (Richland WA), with an article from the 12/12/87 Tri-City Herald about KNDU, ch. 25 in Richland WA. "It was an ill wind that blew KNDU's way Wednesday night. That was when winds whipped through the Tri-Cities, ripping off roofing, uprooting trees, and putting the Kennewick-based television station off the air to about one-third of its viewers. KNDU's chief engineer, Ed Lyon said the line from the antenna to the transmitter atop Jump Off Joe Butte south of Kennewick 'self-destructed.'" Jeff adds, "They're always having transmitter problems it seems, especially during my favorite shows! KTNW-31 (Tri-Cities) has now been on the air a couple of months. Reception is good, but their sound is noticeably louder than any of the 3 network UHFs here. I believe KWSU Pullman used to have a xtr on ch.76 somewhere near here (any help?), but as soon as KTNW started broadcasting, it was off the air in about a week. Then, a couple of weeks ago, I noticed another station on 76 - lo & behold, it was KAYU-28, Spokane - probably the same xtr?" The only channel 76 translator in Washington is K76CQ in Pasco, and I have no idea if they are still on the air, and what they would be repeating.

APPLICATIONS FOR NEW TELEVISION STATIONS

ST CH	ERP	HAAT	CITY/APPLICANT
AZ 4	100	1597	Flagstaff; Flagstaff Broadcasting Ltd.
FL 58	5000	463	Fort Walton Beach; Clement S. Ross (amended)
HI 15	750	5784	Wailuku; King Broadcasting Co.
ID 35	96	537	Twin Falls; Western Telecasting Co.
IL 2	35.4	1370	Chicago; Center City Communications Ltd. (in contest with WBBM-TV license renewal)
IL 66	5000	1290	Joliet; Joliet TV Station Ltd. Partnership (in contest with WGBD-TV license renewal)
IN 58	5000	1302	Salem; J.R. Broadcasting (amended)

LA 11	316	1777	Columbia; Caldwell Broadcasting Co. Partnership.
LA 11	316	1988	Columbia; Columbia TV & Radio Inc.
LA 11	316	407	Columbia; Jimmie V. Giles
LA 11	316	1870	Columbia; KIVE, Inc.
LA 11	316	1499	Columbia; Lanford Telecasting Co. Inc.
LA 11	316	1499	Columbia; Love Broadcasting Co.
LA 11	215	988	Columbia; Pears Broadcasting
LA 11	315	1056	Columbia; Richard William Wainwright
LA 11	316	1469	Columbia; William L. Cook II
LA 11	316	1549	Natchitoches; Ben D. Johnson
NC 14	3160	968	Greenville; Karl Holbrook Stoll
VA 24	3980	712	Danville; Danville Communications (amended)

CONSTRUCTION PERMITS GRANTED

ST CH	ERP	HAAT	CITY/APPLICANT
AL 63	200	373	Montgomery; The Troy State University System
AL 34	500	1000	Ozark; Samuel Durwood Judah, Sr.
AZ 51	5000	1786	Tolleson; Aztec Broadcasting Corporation (initial decision)
CA 30	5000	2343	San Bernardino; Channel 30 Inc. (initial decision)
CO 50	1000	962	Denver; Lomas De Oro Broadcasting Corporation (initial decision)
FL 58	4624	1613	Bunnell; Bunnell Communications
FL 63	5000	973	Palatka; Palatka Television Inc.
FL 61	813	480	Palm Beach; WFGC (reinstated)
GA 21	5000	1510	Brunswick; Coastal Com Inc. (summary decision)
GA 23	5000	1517	Dalton; Dalton Television Associates Ltd. (Review Board decision)
HI 14	10	-305	Hilo; King Broadcasting Company
IA 22	3357	820	Waterloo; Waterloo Television (summary decision)
KY 50	5000	590	Ashland; Video Image Productions
MI 43	5000	1065	Battle Creek; Thompson Broadcasting of Battle Creek Inc. (initial decision)
MI 10	67.6	269	Jackson; Jackson TV Company
MT 6	100	479	Billings; BHC Associates Ltd. Partnership (initial decision)
MT 20	5000	1960	Billings; Echonet Corp. (summary decision)
NY 51	1000	1276	Batavia; M&M Partnership (initial decision)
ND 7	316	159	Jamestown; Red River Broadcasting Corporation.
OH 40	5000	649	Toledo; Dominion Broadcasting Inc. (initial decision)
OK 20	141	445	Enid; G&D Communications Inc.
OK 53	5000	1510	Tulsa; Native American Broadcasting Company
PR 62	1000	2876	San Juan; Fundacion De Educacion Cristiana
TN 15	2244	1683	Knoxville; East Tennessee Public Communications Corp. (Review Board decision)
TN 50	5000	800	Memphis; Kyles Broadcasting Ltd. (Review Board decision)
TX 54	5000	807	Austin; Balcones Broadcasting Ltd.
VA 49	2796	1005	Norfolk; WJCB (reinstated)
WV 29	5000	1491	Charleston; P.S.A. Inc.
WI 45	1062	927	Richland Center; Kaul Broadcasting Company Inc.
WI 42	260	630	Sturgeon Bay; Sonora S. Wray

STATION BREAK

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Buffalo, NY 14205-0514

WTFDA member ads only. Items may be edited to conserve space.

FOR SALE - 1984 World Radio TV Handbook, rarely used, excellent condition. \$10 postpaid.
Paul Mount - 471 Emerson Ave. - Teaneck NJ 07666-2727

WANTED - Donations of antenna-making books and used World Radio TV Handbooks. Due to expense, these cannot be obtained here.
Mr. Taimur Rahman - General Secretary - International Radio Listener Club - Konabary, P.O. Nil-Nagor, Dhaka, BANGLADESH

FOR SALE - CHANNEL MASTER 7035 VHF/FM distribution amplifier with combination 300-ohm/75-ohm inputs and outputs. Minimum 14 dB gain. Versatility plus very high 300,000 uV signal handling input makes this unit an excellent "post" amplifier for DX. Original carton with instructions and CM spec sheet: \$40.
Ed Frye - 22618 Cardiff Drive - Saugus CA 91350-3017 (805) 253-2918

FOR SALE - CHANNEL MASTER 0214 300-ohm FM trap. 20 dB attenuation. Designed for indoor or outdoor mounting. With all hardware and CM spec sheet: \$7.
Ed Frye - 22618 Cardiff Drive - Saugus CA 91350-3017 (805) 253-2918

FOR SALE - WINEGARD AC-2950 Chromstar 75-ohm high input VHF/FM preamplifier. 15 dB gain/3 dB noise figure; contains switch-selectable FM trap and 75/300 ohm outputs. Original carton with instructions and power supply: \$30.
Ed Frye - 22618 Cardiff Drive - Saugus CA 91350-3017 (805) 253-2918

FOR SALE - WINEGARD DA-203 300-ohm VHF/FM distribution amplifier. 16 dB gain/2.9 dB noise figure: \$25. All price include UPS shipping charges.
Ed Frye - 22618 Cardiff Drive - Saugus CA 91350-3017 (805) 253-2918

WANTED - Active Swedish DXer who has just moved to Burlington, Vermont would greatly appreciate information on obtaining a PAL standard colour TV set in the U.S.A., preferably in New England, to be used for viewing video tapes from Sweden on a VCR with PAL video standards.
Anders Stot - 0-8 Grandview Drive - S. Burlington VT 05403

YOUR non-commercial ad can appear in the VUD free of charge! Got a piece of DX gear you'd like to sell? Looking for something? Advertise in STATION BREAK. This feature appears on a space available basis. WTFDA and the VHF-UHF DIGEST assume no responsibility for any claims made by advertisers--our trust is implicit, as fellow DXers.