

# From The STAFF

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

**1986 WTFDA CONVENTION...** It's time to start thinking about the 1986 club convention. Are you interested in hosting this event? If so, let's hear from you as soon as possible. Bids must be made to WTFDA by November 1. All interested parties are asked to get a copy of the bid form--write us now, if you think you'd be able to host your club's 1986 gettogether in your hometown. All bids must be received by WTFDA headquarters by November 1, and if only one bid is on hand by that date, that bid wins. Two or more bids will mean that there will be a membership vote to decide the site of WTFDA convention '86. Hurry! If you're considering being the host of your club's convention, 1986 could be your year!

**NEW EASTERN TV-DX EDITOR...** We're very happy to announce that a veteran TV DXer and former VUD columnist is taking over the EASTERN TV section effective immediately. New editor is: John Combs, 2831 Selma, Jacksonville FL 32205. Many readers will remember the short-lived but excellent SOUTHERN TV-DX column he edited in 1977 for the VUD. A couple of years later, John took on the old FCC TV NEWS column, which has since evolved into Bill Fahber's TELEVISION NEWS. We're very grateful to have such a competent editor take over the EASTERN TV-DX duties. Reporters to this column can now send their loggings to John at the Jacksonville address above. We'd like to thank TV DXpert Bill Draeb for all the work he's put into this popular section in recent years, and hope he can do another column for us in the future!

**SUPER SUMMER TROPO...** While it hasn't been the best summer ever for most VHF/UHF DXers, tropo has proved to be super at times. Much of August was disappointing to some midwest DXers, but there were a few incredible ducting sessions, and some of it was a result of tropical storm and hurricane movement up the Eastern seaboard. We have word of at least one great mid-August opening that allowed Illinois DXers to catch New Jersey stations. Check upcoming DX columns for further details, and remember that in northerly regions, the best may be yet to come, as September brings Fall tropo patterns--often resulting in many days of super tropo conditions on the VHF and UHF bands.

**OF INTEREST TO DXERS?...** The September issue of CONSUMER REPORTS looks interesting to both TV and FM DXers, with reviews of VCRs and budget-priced FM receivers; but beware--while CR does test items for such performance parameters as selectivity and sensitivity, their ratings are far too vague to be of much use to the DX enthusiast.

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This month's cover by Dave Nieman.



# MAILBOX

September, 1985

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After an unofficial "summer vacation", MAILBOX returns. To those of you who attended the New Orleans convention, I hope you had fun. Sorry I was unable to attend.

Dave Nieman sent me a few issues of an interesting Spanish DX digest. "MAF" concentrates on FM-TV DX, and it's put together very much like our own VUD. It's a bit more heavy on newspaper reprints, however, and it includes some advertising. If you're interested (and you have some mastery over the Spanish language) you can write to the digest at MAF Productions Ltd., P.O. Box 38.015, 08080 Barcelona, Spain.

David Sinclair has two bits of information he'd like to pass along. First, he has a new address: 6565 Brooks St., Vancouver, B.C., V5S 3J6, Canada. Secondly, he writes: "I wish to advise that KTZZ-TV Channel 22, Seattle, signed on the air June 18, 1985. Their first full day of programming will be June 22, as an independent commercial station, transmitting at full power of five million watts."

John Combs writes in that he's tired of reading about the logging procedures debate everymonth. Still, he writes in on the topic. (It's okay, you've had a three month reprieve, right?)

"To start with, the baseline standard for a logging has to be this: is the DXer convinced, through reasonable evidence, that he/she has seen such a station? Except for photos and videotapes, we all have to take each other's word for loggings anyway. The vast majority of DXers are honest and have high standards when it comes to counting loggings.

I think insisting on call letters seen or heard is too restrictive, especially now that so many stations only ID once an hour, and some even let that slip. It's nice that some stations supply an ID every fifteen minutes during prime-time, but not all stations are so diligent. The DXer simply has to have evidence beyond a reasonable doubt that he/she has seen the station, and to use more caution when dealing with potentially phenomenal loggings, such as double-hops, long tropo ducts and the like.

Totals are fairly meaningless anyway. When I look at a DXer's totals, I always take into account the geographical location and equipment involved. So what if a Cooper, Draeb or Seybold (sorry you guys always get dragged into these arguments...) log over 1,000 stations? Put them in Florida with the same equipment, and they might be lucky to see 400-500. Put another DXer at the same location with an all-channel Radio Shack special at fifteen feet with a twin-lead, and 300 stations might be outstanding. At the risk of incurring the wrath of the cliché squad--it's all relative. ♪

Till later, 73..

AL

<b>WKZO</b> Kalamazoo, Michigan	<b>WKZO-TV</b> Kalamazoo- Grand Rapids	<b>KOLN-TV</b> Lincoln, Nebraska	<b>KGIN-TV</b> Grand Island, Nebraska
<b>WJFM</b> Grand Rapids, Michigan	<b>WKJF</b> Cadillac, Michigan	<b>WKJF-FM</b> Cadillac, Michigan	<b>KMEG-TV</b> Sioux City, Iowa



The Hot 103!

# TELEVISION NEWS

Bill Faber, editor  
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Bridgeton, N.J. 08302

TELEVISION NEWS - page 2

SEPTEMBER, 1985

## APPLICATIONS FOR NEW TELEVISION STATIONS

CH	ERP	HAAT	STATE/CITY/APPLICANT
29	135	1997	CA Bureka; Sacramento Valley TV
42	5000	765	AR Little Rock; Dale Leininger
41	5000	1956	CA Ventura; Trucella Chumley
43	5000	863	MS Wiggins; South Mississippi Beg
40	5000	904	MS Holly Springs; Terry Kim
10	35.5	1590	NM Silver City; KOAT Television
55	1800	1301	OH Hillsboro; Pioneer Broadcast'g
36	5000	987	FL Cape Coral; Family Television of Dalton Inc.
23	5000	2000	GA Dalton; Family Television of Dalton Inc.
67	5000	511	AL Troy; Lynn W. Baker
5	100	-354	AK Anchorage; Fireweed Television
64	87.1	341	FL Inverness; Nancy Sharp
14	1000	549	MT Billings; H&W Broadcasting
41	1000	3929	NM Albuquerque; T&L Enterprises
41	26.5	4144	NM Albuquerque; Graciela Olivarez
38	5000	504	NC Greenville; East Coast Media
38	5000	275	NC Greenville; Winard Broadcasting
60	5000	1057	PA Bethlehem; Ashford Communic'ns
65	1000	-151	TX El Paso; Liquico Television (If this is proposed KVIA/KCOS tower, then data is all messed up.)
54	5000	1529	TX Longview; Ashley Broadcasting
24	5000	294	VA Danville; Danville Broadcast'g
68	5000	751	VA Grundy; Crescendo Communic'ns
29	135	1997	CA Bureka; Sacramento Valley Tel.
68	5000	1089	CA Novato; Magdalene Gunden
35	104	510	MI Bad Axe; Delta College
65	1000	1454	TX EL Paso; UN2JC Communications
22	2000	1030	TX Galveston; Galveston ETV Inc. (amended)
51	5000	1667	WA Bellevue; J&J Partners (am'ed)
51	4688	2081	WA Bellevue; C.R. Pasquier
41	5000	1956	CA Ventura; Trucella Chumley
25	5000	998	AR Pine Bluff; Charles Ray Shinn (different data from application listed in 10/84 VUD)
11	182	2766	NV Reno; Reno Eleven Broadcasting (amended)
11	275	2092	NV Reno; Reno Telecommunications Company (amended)
11	177	2720	NV Reno; Washoe Shoshone Broadcasting Ltd. Partner'p(amended)
63	4169	2218	NJ Newton; Oneida Television Limited (amended)
51	5000	2071	WA Bellevue; Bellevue Telecasters
APPLICATIONS DISMISSED			
NV	Las Vegas; ch. 15; Way of the Cross of Nevada, Inc.		
NM	Roswell; ch. 8; Western Sun (FCC renewed license of KSNB-TV and granted transfer of license from KCBF Associates to the Stanley S. Hubbard Trust.)		
FL	Venice; ch. 62; Todd Broadcasting Corporation (at its request)		
CA	Big Bear Lake; ch. 59; Josie Moore (Joint request, granting application of Felice-Tec)		
CA	San Bernardino; ch. 30; Asian-American Broadcasting Foundation (which had contest-		

ed the FCC's approval of Angeles Broadcasting Network for interim operation.)

NM Santa Fe; ch. 19; Susan Harris (joint request with Clara Rose Apodaca); Channel 19 Partnership (at its own request)

FL Miami; ch. 35; Hernandez, Costa & Associates.

NC Belmont; ch. 46; Gabriel Broadcasting Co.; Wander Broadcasting of Belmont; Scott Weisler; Piedmont Crescent Broadcasting Company (which merged with Metro Broadcasting Ltd. to form Metro-Crescent Communications Inc.)

TX Houston; ch. 61; Houston Family Television Ltd.; SMJ Television Company; Alliance Broadcasting Company Ltd. (FCC Review Board decision reversing initial decision. Urban Broadcasting Systems was granted a construction permit, prevailing on integration and diversity grounds.

FL Orange Park; ch. 25; Orange Park Florida TV Inc. (FCC upholding Review Board decision. Applicant would create a short-spacing problem.)

LA Baton Rouge; ch. 44; Baton Rouge Channel 44 Ltd. Partnership; Louisiana Super Communications Ltd. Partnership; Spondo Ltd.

WA Bellevue; ch. 51; Flomaton Communications

TX Conroe; ch. 55; Conroe Community Educational Outreach.

CONSTRUCTION PERMITS GRANTED

19 5000 1973 NM Santa Fe; CRA Broadcasting

69 5000 299 VA Fredericksburg; Rappahannock Television Broadcasting Inc.

44 5000 1965 LA Baton Rouge; Parish Family Television Ltd Partnership

59 5000 1000 CA Big Bear Lake; Felice-Tec

15 5000 2000 NV Las Vegas; People of the Fire

46 5000 1534 NC Belmont; Metro-Crescent Comm's

25 2061 496 FL Orange Park; Clay Television Inc. (FCC upholding Review Board decision)

52 105 1020 NY Ithaca; Ithaca TV Associates (Review Board decision)

61 5000 1957 TX Houston; Urban Broadcasting Systems

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

17 2600 1576 NC Goldsboro; WYED

19 2762 1243 OK Muskogee; KMKO

32 105 971 PR Aguadilla; WKKU

56 2070 1000 FL Melbourne; WSTC

17 300 865 MT Missoula; KMSO-TV

64 5000 1572 CA Barstow; KVVU

15 3221 1270 TX Abilene; KSUZ-TV

21 4986 1638 VA Lynchburg; WJPR

CONSTRUCTION PERMIT MODIFICATIONS GRANTED

30 5000 776 UT Ogden; KOOG-TV

58 1191 439 MA Vineyard Haven; WCVX (granted 6/21/85; now on the air)

18 2950 990 IA Davenport; KLJB

56 2778 1253 KY Danville; WDKY-TV

63 1782 1802 CA Oxnard; KTTI

22 68.3 2034 CA Cotati; KRCC

11 316 1710 AR Little Rock; KTHV

14 5000 1942 LA West Monroe; KARD

36 2100 ? NC Charlotte; WPCQ-TV

3 100 1050 TN Chattanooga; WRCB-TV (amended)

22 3580 1411 PA Scranton; WDAU-TV

FACILITIES CHANGES GRANTED BY THE FCC

TX Houston; KHTV, ch. 39; granted MP to change ERP to 506 kw; HAAT to 1878.75' (is this their main transmitter or an auxiliary?)

CT Hartford; WHCT-TV, ch. 18; granted STA to remain off the air 6/3 to 7/23/85.

IL Joliet; WFBN, ch. 66; granted STA to operate at reduced power until 9/5/85.

IN Terre Haute; WBAK-TV, ch. 38; granted STA to operate at reduced power.

OH Cincinnati; WXIX-TV, ch. 19; granted STA to operate at increased power until 7/15.

RI Providence; WSTG, ch. 64; granted to operate at reduced power.

TX San Antonio; KMOL-TV, ch. 4; granted STA to operate at reduced power until 9/3/85.

VA Manassas; WTKK, ch. 66; granted STA to operate at reduced power.

PR Aguadilla; WVED, ch. 44; granted STA to remain off the air until 9/10/85.

PR San Juan; WIPR-TV, ch. 6; granted STA to operate at reduced power.

CA Sacramento; KVIE, ch. 6; granted CP to raise ERP from 55 kw to 100 kw max.; 1888' AAT/1995' AG/1896' ASL (766' higher AAT; 352' higher ASL); TL to 2.2 miles north of Walnut Grove, south of Twin Cities Road; coordinates 38°16'18"/121°30'18" (1.7 miles north of present TL)

OH Sandusky; WOGN-TV, ch. 52; granted CP to raise ERP from 49 kw max to 1073.4 kw max.; 774' AAT/715' AG/1415' ASL (104' higher); same TL.

TX Houston; KHTV, ch. 39; granted license to cover MP for change: ERP from 5000 kw max to 4000 kw max; 1421' AAT/1408' AG/1485' ASL (about 564' lower). Also granted another license a week later back to 5000 kw max; 1950' AAT/1970' AG/2019' ASL; on that same date, was granted a CP for 506 kw max; 1878.75' AAT/1865' AG/1944' ASL. All the same TL, even though the antenna height data show some inconsistencies.

AK Anchorage; KIMO, ch. 13; granted license to cover changes (see 10/84 VUD)

ME Bangor; WABI-TV, ch. 5; granted license to cover CP for changes. (see 2/85 VUD)

MA Springfield; WWLP, ch. 22; granted license to cover CP for changes: reduce ERP from 4170 kw to 3410 kw max; 877' AAT/495' AG/1135' ASL (35' lower, even though the same HAAT figure is kept).

TX Tyler; KLTU, ch. 7; granted license to cover changes in TL; 990' AAT/1038' AG/1388' ASL (470' higher AAT/338' higher ASL); TL SSW of intersection of Texas State Highways 14 & 2015, near Hawkins; coordinates 32°32'120"/95°13'16" (Azimuth 12°, 13.2 miles from present TL.)

CALL LETTER CHANGES; NEW STATIONS

CH C.L. STATE/CITY/APPLICANT

58 KDTX-TV TX Dallas; KDIA-TV

16 KZAR-TV UT Provo; Morro Rock Resources

CALL LETTER CHANGES; STATIONS ON THE AIR

11 KSNB-TV AZ Tucson; KZAZ

59 WKIM-TV IN Indianapolis; WPD5-TV

58 KDTX-TV TX Dallas; KDIA-TV

CHANGES IN THE TABLE OF CHANNEL ASSIGNMENTS

CO Denver; add 50z and 59z

WI Rice Lake; add 16z

PR San Juan; add #62z (site restriction 21.6 miles east to avoid short-spacing to WUSA, ch. 58 in Caguas, PR)

CONSOLIDATED HEARINGS

NE Omaha; ch. 54; Omaha Channel 54 Inc.; Maryland Williams; Omaha Telecasters, Inc.; Minority TV of Omaha.

OK Tulsa; ch. 53; Tulsa Broadcasting Group Inc.; Native American Broadcasting Company; Tulsa Television Ltd.; EAM Broadcasting.

AZ Tolleson; ch. 51; Great Arizona Broadcasting Company; Lifestyle Broadcasting Corporation; Doylan Forney; Susan Cordova Kelly; Marinar Communications Corporation; Schulze-Wagner Partnership; Tolleson Broadcasting Corporation; T.V. Broadcasters, Inc.; Tolleson-Gomez Communications Inc.; Alden Television Inc.; Hector Garcia Salvatierra Limited Partnership; Madrid Communications Ltd. Partnership; Aztec Broadcasting Corporation; Estrella Communications Ltd. Partnership; Maricopa Media Inc.; Li-Con Ltd Partnership.

FL Gainesville; ch. 61; American Communications and Television Inc.; Cozzin Communications Corporation; Gainesville Television Group Inc.; Gator Broadcasting Ltd. Partnership; Central Florida Broadcasting Corporation; Gainesville Telecasters Ltd.

FL Sebring; ch. 60; Focus Broadcast Communications Inc.; Channel 60 Inc.; Hunt Partnership; Ridge Broadcasting Company, Inc.

NEW STATIONS ON THE AIR

PA Hazleton; WWLF-TV, ch. 56z; should be safe to assume that the station has been on the air as of July, 1985. Tom Yingling reported seeing WWLF-TV, ch. 38, using dual identification with WWLF. Also, I managed to log a weak signal whose programming paralleled WWLF-TV. As of yet, there has been no confirmation from club members or research. 9.792 kw ERP; 626' AAT/411' AG/2131' ASL. Independent station; hopefully more data next month.

IA Davenport; KLJB, ch. 18+; seen by Nate Ely testing with 3/4 CBTP on 7/3/85; seen by Robert Baker of Humboldt of Davenport, IA, with commercial programming in early August. Bob Hempel sent a clipping from the 8/1/85 Des Moines Register that reads, "KLJB-TV, the new independent station in Davenport... is scheduled to go on the air one week from today." Recently granted CP modification for 2880 kw max ERP; 1080' AAT/1033' AG/1813' ASL; coordinates 41°19'43"/90°22'55"/ TL 1.75 miles south of Orion, on west side of Highway 150. (That puts it in Illinois, right next to the WIFB-TV tower in or near the northeast tip of Mercer County.)

OK Tulsa; KTCT, ch. 47z; signed on 7/1/1985; 1666 kw max ERP; 1513' AAT/1425' AG/2135' ASL; TL about 20 miles ESE of Tulsa on KOTV tower; coordinates 36°01'15"/95°40'32"; address: Television Communications Inc., 11414 E 58th St., Tulsa, OK, 74145.

MA Vineyard Haven; WCVX, ch. 58+, formerly W58AO, is now on as a full service broadcast station, as reported by Ben Wilkie. Recently granted a CP modification for 119 kw max ERP; 349' AAT/345' AG/370' ASL; TL WQRC-FM tower, at Oak Street, 0.6 mile north of Route 6, Barnstable; coordinates 41°4'119"/70°20'49". Owned by Cape Video Network; independent station.

## FORUM

Ben Wilkie asks about WGOT, ch. 60 in Merrimack, NH. No word yet; they got their construction permit two years ago, which should be long enough to get on the air.

John Combs asks when my deadline is for the column. Perhaps others have wondered that also. I have none. There have been a few occasions when a letter came on the 13th of the month, the day I send my column. If I have space left, I'll include it. Other times I have let letters go for more than a month. (John: thanks for the free postage stamp!) He sent a news clipping, which I assume is a Florida newspaper, about network changes in North Carolina, which is really of great importance to Florida residents. WRAL (ch. 5 in Raleigh) and WTVD (ch. 11 in Durham) will switch networks because of the merger of Capital Cities and ABC. WRAL will become CBS. WTVD will become ABC. WTVD is owned by Capital Cities. In another clipping, WTLV-TV, ch. 12 in Jacksonville, is no longer on all night. Evidently not too many people stay up to watch Gunsmoke, Mannix, Rhoda or Alice at four in the morning. Other brief tidbits from John: WTKV, ch. 33 in Valdosta, GA, plans to go on the air late summer, 1985 with family and educational programs; WTGS, ch. 28 in Hardeeville, SC, is scheduled to go on 9/1/1985; as of 7/7/85, WSAV (ch. 3 in Savannah, GA), is still ABC and WJCL, ch. 22, is still NBC.

From Tim McVey: WZDX (ch. 54, Huntsville, AL): The manager of WZDX wasn't too pleased with the station's ratings for the first full month of operation. It's strongest point seemed to be during the late afternoon when the local network affiliates had network news. Jackson TN stations WJMT (ch. 16) and W38AD are both on the air. Tim says that a portable TV 25 miles south of Jackson won't be able to pick them up without a decent antenna. Both are independent stations. W38AD is heavy on movies, video music, some satellite-fed programs (INN News, BizNet, Ask Washington), and only two old syndies. WJMT is heavy on cartoons and kiddie shows in the morning and after school. Many of them as well as the other syndies are a mixture of old and current, and some of them are among the more popular. Only one movie per day, at prime time.

Tim also sent a good-sized article about WKCH, ch. 43 in Knoxville. Because its advertising rates are cheaper and its audience is more concentrated in the Knoxville, metropolitan area, WKCH is more suited to appeal to the smaller local businesses for advertising. The station is using counterprogramming strategy, with a syndicated program when the other stations have evening news, and

the popular Star Trek during the 7-8 p.m. hour during which the network stations (Eastern Time) try to fill with junk. The station as yet does not have a regular news program, but the station is still growing.

Fred McCormack answers a few questions in the July VUD. KZMC, ch. 13 in Minot, ND, probably gave up its secondary ABC affiliation when KOMY, ch. 14 signed on. (Which brings up another question: How come I never found out about KOMY (or is it KMCY?) coming on the air? And is it an ABC affiliate? When did it sign on?) "This has the effect of leaving the communities of Dickinson (KXMA-2) and Williston (KXMD-11) with no over-the-air ABC programming." The latter two are satellites of KXMC-13. "I have noticed that KOMY-14 and KBYM-17 (Bismarck, ND -wbf) are not parallel with WDAY-6 on Sunday mornings. They sign on later and have some different programs. Both stations appear to be operating from KBMY-17's studios at present and always have a dual identification. Local news programming has not yet begun in earnest, but there are 5 minute local news segments during the Good Morning America program." "Also, KYUS-3 is a satellite of KOUS-4, and has had common ownership since March of 1984." Two new LPTV stations: K34AJ in Sioux Falls SD with 24-hour Odyssey video music. K28AP in Welling NE, translator of KOLM-10, came on 4/10/85 with 1 kw (TPO?) on a 400' tower.

Randy Miltier sent an article from the San Jose Mercury News (which also includes news from Earth), dated 6/26/85. KTEH, ch. 54 in San Jose, which lost a large part of its funding when the Santa Clara County Board of Education dropped \$750 thousand annually from its contributions. As a result of its emergency fund raisers, it managed to raise nearly all of its goal of \$1.5 million. The station is safe for another year, but next year it has to raise \$2.5 million in pledges.

Nate Ely uncovered the mystery of the Iron Mountain translators after all these years. He got in touch with the owner of J&R Electronics, which operates them. There are no call letters for the translators on 43, 55 and 65. They are operated under STA (Special Temporary Authorization). But because of interference to ch. 64, the 65 translator's authorization was rescinded, even though the 64 translator was changed to 63 with calls W63AR. J&R apparently made up some of the call letters themselves. The owner said, for example, that the AE from W75AE was kept when the translator changed to 61, and became W61AE. So who knows if these call letters are authorized? They are all operated from the same tower, owned by UP TV Systems, and are all 200' AG except for ch. 55 and 57, which are 200' AG. They are all 100w TPO except for ch. 69, which is 20w. Radio station WJNR also uses the tower, which is situated on Hillie Hill, coordinates 45°49'15"/88°02'38". Their translators are: K47AF (The Movie Channel); W57BF (WLRE, ch. 26); W59AQ (WGN, ch. 9); W61AE (WJMR, ch. 3, scrambled); W67AQ (VH-1); W63AR (CBN); K69BA (WPNE, ch. 38); W72AA (MTBS, scrambled); ch. 43 (WLUK, ch. 11); ch. 55 (WLUK, ch. 6); and ch. 65 (formerly OH-TV,

now Seleco-TV). That makes a total of eleven translators. WIIM-TV, channel 8, which has a CP to build a station in Iron Mountain, had expressed interest in having its transmitter on the same tower as the translators.

Other news from late: W16AL (-AC?), Land-O-Lakes, WI, is now on the air with STV. K2AO in Alexandria, MN, is now on the air, repeating KWGM-10, Appleton, MN. K11N-29 in Minneapolis is now operating a ch. 42 translator in St. James, MN. Nate also reported seeing K1JB-18 in Davenport, IA, testing with a 3/4 CBTP on 7/3/85.

Ron Wing reports that KSAS, ch. 24 in Wichita hopes to go on the air on 8/24. He sent a letter from the Wichita Eagle-Beacon (which also includes news about humans), dated 7/10. According to the article, KSAS is still trying to hire enough staff members to operate the station. "That's the word from Lee Hanna, executive vice president of Columbia Communications, which holds the license (sic) to KSAS." "Because it is a UHF independent some television sets may require a hoop antenna attachment...to receive it over the air. Hanna said Channel 24 officials would back a program to distribute the antennas." (Do I understand from this article that television sets have some mysterious ability to receive UHF network signals better than independent signals? from a UHF station?) "Wichita was a hotly contested market for an independent station because it is the largest one...in the country currently without one." "The independent station has been an on-again, off-again project for nearly five years."

Jim Korn has some corrections for the Translator-LPTV List. K55AB in Ridgecrest, CA, carries KCET-28, not KVIQ-6

Paul Gaines sent some articles from the Detroit Free Press, which still charges for its newspapers, several dates, but all related to WXYZ-TV, ch. 7 in Detroit, owned by Capital Cities. WXYZ is one of the stations selected to be sold by Capital Cities as a result of its merger with ABC. The FCC had suggested that Capital Cities may be more likely to keep both its Philadelphia and New York stations, which overlap in coverage areas, if it sells some of its surplus television stations to minorities. But with the sale of WXYZ expected to go to about \$200 million, very few minorities seem to be interested. In a later article, it was reported that the station would be sold to Scripps-Howard for \$246 million. Some industry observers made comments that Scripps-Howard was not aggressively managed and has a reputation for running low-budget operations. Those observers wished to remain anonymous.

George Mileon sent a news clipping about WLNH-TV, ch. 6 in Providence, RI, which is having a labor dispute. When the present owners took over, the station was a closed shop, which means compulsory union membership. The owners, a subsidiary of Freedom Newspapers Inc., stopped withholding union dues when the contract ran out in 1983. Freedom Newspapers is a right-wing company which, as libertarians is against compulsory membership to any kind of organization. Libertarians also believe

that government is a remedy for nothing. The union which had represented the workers has been urging viewers to "Switchoff 6."

Dave Nieman sent an article from the Buffalo News (which also includes news about people), about WKBW-TV, ch. 7, another of the Capital Cities stations for sale. Unlike the Detroit station, this one is a better candidate for sale to minority interests. And among those interested in the station is C.J. Simpson. Elsewhere in Buffalo, WNYB-TV, ch. 49, not yet on the air, is being sold by Bison City Television to the Television Corporation of Buffalo. Dave says that they haven't even begun construction of the transmitter tower yet.

Jim Pizzi sent an article from the Lubbock Avalanche-Journal (which reports other earth shaking events as well), dated 8/3/85. "Lubbock's newest television station, Channel 40, affiliated with the American Christian Television Service, began operations this week to bring 'positive localism and upbeat family shows' to the city..." "...the 24-hour new station will try to develop programming that reflects Lubbock in a positive way, with emphasis placed on city events and upon positive Christian-value shows through the parent affiliate. 'Sex, violence, abusive humor and adult drama will definitely not be included in our programming.'" That leaves out football games. "Channel 40 is a licensed, non-profit, low power UHF station that will transmit 24 hours a day at 1000 watts of power from atop the Metro Tower in downtown Lubbock. Service will be limited to the Lubbock area. To receive Channel 40, Lubbock residents can turn to the UHF reception frequency, 'U,' and then turn to dial number 40. For good reception, viewers in most areas will need a UHF 'loop' for their direction antenna."

In a newspaper editorial also sent in by Jim, the writer expresses his opinions of the proposed channel swap between commercial and noncommercial stations. "If the public stations succumb to the illusory temptations of the get-rich-quick scheme, they will have irrevocably undermined the painstaking, decades-long effort to provide the nation's viewers with high-quality television programming."

Jim adds, "I haven't seen KNAR-23 in a couple of months and they aren't listed anymore in the (Albuquerque) newspaper, so I guess they went dark. KNMZ-2 was the probable cause. They use KNM2 as a logo. K40AN is on in Lubbock. The signal here is poor to fair normally but good with morning & evening tropo enhancement." More LPTV mysteries in the Texas area. Jim records a ch. 18 LPTV with ACTS, about 150 to 250 miles ESE of Lovington. Also, a channel 44 xtr in eastern Kansas or southwest Missouri repeating KZKC-62. A channel 52 translator (not K52AN in Elk City) in southern Oklahoma repeating KMGC-34. A ch. 53 xtr, maybe in Rudisno, NM, repeating KOB-4 or KSW5, ch. 8. Channel 61 xtr in southwest Oklahoma repeating KOKH-25. A ch. 66 xtr also in SW Oklahoma repeating KGNC-34. The ch. 18 xtr was definitely not K18AL in Sulphur Springs, TX. Jim also asks if KDCQ, ch. 18 in Midland, TX, on yet. Not that I know of.

# KC FM NEWS

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If anybody has any ideas on those translators, contact Jim.

Chris Hanley reports that WLXI-61 had been bought by a local developer who wants to change its format from rock/country videos to some other undisclosed format. "Most likely...standard UHF rot," says Chris. "Note to Ed Shepherd: I get WHKY-14 during DX season frequently but badly. The real trick for me is logging WTU-22 Charlotte." WUNG, ch. 58 in Concord, NC, is now operating at its new power and is identifying as Concord-Charlotte. The recorded sign-off voice mentions only Concord.

Several articles from W.R. McIntosh. From the Los Angeles Times, 7/24/85, an article on an appeals court decision that declared the FCC's "must carry" rules unconstitutional. The National Association of Broadcasters is taking the issue to the Supreme Court, hoping to reverse the decision. Otherwise, the decision would have a major effect on the broadcasting and cable industries. The rule requires that cable operators carry the signals of all broadcast stations within 35 miles, even if some programming is duplicated. As a result of this rule, many subscribers have been deprived of some of the satellite-cable services. This decision could result in reducing the viewership of some television stations, particularly the public television stations and noncommercial UHF stations, as well as increasing the viewership of cable-only networks. The court decision held that the FCC rule infringing on the cable operators' First Amendment rights by limiting their editorial discretion. Also, the rule totally ignored cable subscribers. The FCC and the broadcasting industry view the must-carry rule as assuring local program service in areas where over-the-air TV reception is difficult. The cable industry views the rule as a way of protecting broadcasters from competition.

The next article updates Dr. Gene Scott, pastor of Faith Center, which owned several broadcast stations until the FCC took them away. "The church lost its license to operate Channel 30, now called KAGL, after a long-running dispute between the FCC and Scott over the federal agency's demand that Scott turn over the financial records to FCC investigators. Irregularities had been charged in his management of the station, but none of the accusations of financial mismanagement was ever proved. The dispute over the licenses of Channel 30, a San Bernardino FM radio station and TV stations in San Francisco and Hartford also owned by Faith Center was strictly over his refusal to turn over records to the FCC." "But he's put together a new network by buying time on some stations—usually in the middle of the night—selling satellite receiver dishes to his followers and persuading cable companies to run his programming 24 hours a day on closed circuit. The network now includes 18 over-the-air stations and cable outlets in 15 markets." "Scott has rebuilt his TV network into a greater force than it ever was,

and, in the process, he has become a popular late-night TV attraction. In fact, in Dallas and Reno, two of the markets where his 'University Network'...appears via satellite, the latest ratings show Scott to be at least as popular as NBC's David Letterman.... Occasionally, he blows away ABC's Ted Koppel...." "In New York he's carried on Spanish-language WNUJ-TV, Channel 40 (sic), where his is the only program aired in English." (WNUJ is 47.)

From the Los Angeles Times, also sent by W.R. McIntosh, an article dated 7/28/85 about the demise of KNAT, ch. 23 in Albuquerque, NM. "What happened to Channel 23? When KNAT-TV, an independent television station...went off the air at the end of April, few people outside New Mexico noticed. Like scores of other independent stations around the country, stations not affiliated with any of the Big Three commercial networks—KNAT had a relatively weak signal and an undistinguished program schedule that had attracted relatively few viewers and fewer advertisers in its brief three-year life." "At a time when some independent TV stations are commanding astronomical sales prices and revenues surpassing network-affiliated stations, KNAT failed miserably." "There are going to be more independents going under or broke in the next five years than in the history of independent television," Greg Nathanson, vice president for programming of Los Angeles-based Golden West Television, told a recent luncheon....

"Across the country, the number of independent stations has grown from 121 in 1980 to more than 214 today. The Washington-based Assn. of Independent Television Stations estimates that another 25 may go on the air within the next 12 months. The association expects about 300 independent stations on the air by 1990. Like Albuquerque's darkened KNAT, 181 of these new stations are...UHF.... Many of these UHF stations have profited from a 20-year-old federal regulation requiring local cable systems to carry signals of smaller over-the-air stations. Two weeks ago, however, a federal court declared the regulation unconstitutional.

Larry Fuss comments on my question about the noncommercial status of WNYC-TV, ch. 31 in New York City. "It is apparently licensed as a non-commercial, even though on a commercial channel." He also adds on the June column, "The Raleigh, North Carolina listing (consolidated hearings—wbf) didn't show Charles Ray Shinn. He was the first applicant to file for channel 50." On the August column, he adds some missing data. "The info for Salt Lake City Family Television Inc. is 8 kw at 3881 feet (Channel 13). Gemini Broadcasting of West Virginia...166 kw at 1219 feet (Channel 11)." That's in Charleston.

NEXT MONTH: More from Larry Fuss, Bruce Elving, W.R. McIntosh that I didn't have room for. Plus lots of news about stereo TV, public UHF station channel swaps, Canadian news from Walter Patton, and much more.

**New FM Stations, Translators Granted**

- AK Galeana AFRN \*90.5 (baurifal), 300 watts
- AK:Glanston K221B1 \*92.1 (KUAC 104.7 Fairbanks AK translator)
- AK King Salmon (12 mi ESE Naknek; 60 mi ESE Dillingham) AFRN \*101.7 & h, 300 watts
- AK Palmer K208BC \*89.5 (KSKA 91.1 Anchorage)
- AK Seward K201AD \*88.1 (KSKA translator)
- AK Sitka \*100.1 (KMTF ethnic, listed to "Armed Forces Radio," but believed now by Mt. Edgecumbe (Indian) High School, Bureau of Indian Affairs, 10 AZ Flagstaff K282DF 106.3 (KQAM-FM 96.7 Wms)
- AZ Little Acres K292CI 106.3 (KJAJ 103.9 Pay.)
- AZ Peoria 103.5 85000 h.v., 2220'
- CA Bishop K269CZ 101.7 (KHOP 104.1 Modesto)
- CA Danville, San Ramon KYUU-1 98.7, 10 watt-on-channel booster of KYUU 98.7 San Francisco
- CA Fort Bragg K228CJ 93.5 (KWNE 94.5 Ukiah)
- CA Hombrook K214AT \*90.7 (KSOR 90.1 Ashland OR translator) (Tonopah NV)
- CA Mammoth Lakes K280CJ 103.9 (KPAF 92.7 / CA Clansha K282CE 98.3 (KZIQ 129.7 Ridgecrest CA)
- CA Grassie K285CF 100.9 (KNXN 101.9 Quincy)
- CA San Francisco KITS 105.3 (on-channel FM booster of KITS 105.3 San Francisco), 10 watts
- CA Walnut Creek K228CI 93.5 (KYA 93.3 San Francisco translator)
- CO Breckenridge K287CS 98.3 (KVMT 104.7 / CO Lake City K228CB 93.5 (KVLE 102.3 Gunn.)
- CO Dillon Breckenridge K237BI 95.3 (KGMI 101.5 Eagle CO) (Spring)
- CO Durango K286DF 107.1 (KROS 108.3 Pagosa)
- CO Glenwood Springs K257CP 99.3 (KOBMT/Vail)
- CO Rome & La Jara K240B 95.9 (KOB-FM 83.3 Albuquerque NM)
- FL Key Largo 103.9 2300 h.v.; 340'
- FL Key West WKRY 93.5 2000 h.v.; 110' (Pierce)
- FL Port Charlotte W249AQ 97.7 (WSOR 95.5 Ft. FL St. Petersburg-Tampa WFTT-FM \*91.7 3000 h.v.; 150', Community Radio (Kahului)
- HI Kahului-Wailuku K257CQ 98.3 (KHUI 98.9 / HI Bonny Ferry 92.1 3000 h.v., 50' (burg)
- ID Pocatello K285CO \*104.9 (KRIC 100.5 Rex- / ID Sandpoint \*90.1 30 h.v.; 2935', Ed. F. 93.3 LA Decora 100.9 3000 h.v.; 300'
- LA Lake Charles K269DA 101.7 (KYKR 94.3 Port Arthur TX) (Lawrence)
- MA Wrentham W296AH 107.1 (WCGY-FM 93.7 / NH Harbor Beach WRTM 105.5 3000 h.v.; 330'
- MN Grand Marais K220BI \*91.9 (KDNW 90.5 Duluth, 1 watt—power reduced from original application because of FCC concerns about interference to KBJR (TV), channel 6)
- MN La Crescent (serving La Crosse WI) W257AJ 99.3 (WISQ West Salem WI, also see "Delusions?") (Minnesota MN)
- MN Puyallup K244CG \*96.7 (KITS-FM 98.5 / MT Cut Bank K288DH 105.5 6XEI 95.1Hav.)
- NV Ely K276CG 103.1 (KILA 95.5 Henderson)
- NV Incline Village K217BA \*91.3 (KNPR \*88.7 / NV Indian Springs K204AP \*88.7 (KNPR 88.5 Las Vegas)
- NV Pahump K204AN \*88.7 (KNPR) (Vegas) K244CE 96.7 (KFMS 101.9 Las Vegas) 107.5 25000 h.v.; 280' (Camden)
- NJ Brigantine W207AB \*89.3 (WKDN 106.9 / NM Clovis K228CH 93.5 (KOPF 96.9 Odessa TX)
- NM Grants K218AW \*91.1 (KANW88.1 Albuquerque)
- NM Las Vegas K220AW \*91.9 (KUNM90.1")
- NM Los Lunas 102.3 2700 h.v.; 290'
- NY Coming W214AA \*90.7 (WSKG-FM 89.3 Binghamton—on air and DX ready with 1 w)
- NY Cortland W209AF \*88.7 (WSKG-FM)
- NY Ithaca W288AS 105.5 (WVBR 93.5 Ithaca)
- NY Oneonta W219AG \*91.7 (WSKG-FM)
- NY Watkins Glen W216AB \*80.9 (WSKG-FM)
- OH Ashtabula W202AI \*88.3 (WKSU 88.7 Kent)
- OH Youngstown W219AF \*91.7 (WCRF 103.3 Cleveland)
- OK Cordell 99.3 3000 h.v.; 200'
- OK Enid K272CF 102.3 (KOFM 104.1 Ok. City)
- OK Sand Springs 102.3 1600 h.v.; 425', a Tulsa rim-shooter? (Toledo OR)
- OR Lincoln City K288DI 105.5 (KCEI 107.1 / OR Myrtle Creek K244CF 96.7 (KBMC 94.5 Eugene) (Binghamton NY)
- PA Mansfield W215AC \*90.9 (WSKG-FM 88.3 / PA Free-and-Hazleton W202AH \*88.3 (WKDN 106.9 Camden NJ) (Warminster PA)
- PA Sellersville W204AD \*88.7 (WCSD 88.3 / SC Folly Beach (serves Charleston) 97.7 3000 h.v.; 330' (Tonville MN)
- SD Aberdeen K292DG 106.3 (KCGN 101.5 Or- / SD Yankton \*90.7 520 h.v.; 4300'; g Great Plains Educational Trust
- TX Bowie K221CG 92.1 (KMGC 102.9 Dallas)
- TX Clarendon K282CE 98.3 (KYKR 93.3 Port Arthur)
- TX Conroe K285CR 104.9 (KYKR)
- TX Huntville K252CG 98.3 (KYKR)
- TX Kilgore K232CA 94.3 (KMGC 102.9 Dallas)
- TX Midland 106.7 10000 h.v.; 610' (Dallas)
- TX Mesquite K221CF 92.1 (KOZY 105.3 / TX Macogoches K237BZ 95.3 (KYKR 93.3)
- TX Palestine K280GL 98.9 (KWRW 97.7 Russ)
- TX Santa Fe K282-28; 95-04-37; approximately 12 miles SSW Houston) \*90.5 8000 h.v.; 510', g Open Bible Foundation
- TX Weatherford \*89.5 370 h.v.; 205'; G; Bcsg; LA Natchitoches K280CK 103.9 (KAJN 102.9 Crowley LA)
- UT Bountiful 99.5 3000 h.v.; 3560'
- UT Delta K272BT 102.3 (KSSD 92.5 CedarCv.)
- VA Bassett Forge W296AM 107.1 (WHPE 95.5 High Point NC)
- VA Winchester \*91.7 100 h.v.; 1150' Alpha Ed. Foundation, g. This grant has the potential to serious conflict with earlier grant of 91.3 in Winchester VA to WTRM.
- WA Cheney 101.1 10000 h.v.; 625'
- WI Ashland K218AR \*91.5 (KDNW 90.5 Duluth MN) (Laramie)
- WY Sinclair K206AJ \*89.1 (KUWR 91.9 / PR Caspe WZNT-1 93.7 10 w (WZNT San Juan on-channel booster)
- PR San German W0A-A 197.5 10w (WIOA Mayaguez on-channel booster) [known.
- BC Kelowna CILK 101.5 h, power, height not / MEXICO Monterrey XHMF 104.5 100000 h.v.; 1970'; "shouldn't be deleted—they are still on the air."

**NEW DEVELOPMENTAL STATION**

- TN Crab Orchard 95.7 130 watts; Sandra J. Lewis. To test research in audio subcarriers; I may list this in the next "FM Ads."

**Facilities' Changes Granted**

- AL Birmingham WMLJ 96.5 1025' (100000 h.v)
- AL Jackson WHOD-FM 104.9 2000 h.v (380')
- AL Mobile WBLX 92.9 1555' (100000 h.v)
- AK Homer K252CF 98.3 (from K265AG 100.9)
- AK Port Lions K202AU \*91.9 (not K290AU 105.9).
- AK Shemya AFSN 90.5 (200'), monaural
- AR Mountain Home KPFM 105.5 1300 h.v.; 475'
- CA Chico KQOT \*91.7 (from 91.1) 7700 h.v.; 1185' (1220') h.v.; 1015'
- CA Red Bluff KRBO 102.7 (from 102.3) 12000'
- CA Ridgecrest K232AM 94.3 now has KRTH 101.1 Las Angeles (not KKHR 93.1 L.A.)
- CA Salinas K237CA 95.3 (from K240AH 95.9)

**Explanation Provided**

**For FM Station Loss**  
An explanation has been given to area listeners who tried to tune in a Hazleton FM radio station from an area translator this week, but could not do so.  
Jack Kennedy, owner of the translator that was broadcasting the Hazleton station and owner of WJKR (J104) near Muncy, explained the change is due to a Federal Communications Commission regulation that one person cannot own two transmitters in any given area that broadcasts two separate signals within the same frequency range.  
103.9 Muncy (from WWSH 97.9 Hazleton, which now calls itself "Wish-96," still is)  
OH Findlay WHMQ 100.5 440' (2000 h.v.)  
SC Greenville WEPB \*90.1 85000 h.v.; 1185'  
TN Gatlinburg-WJTN 106.5 310 h.v.; 945'  
WISD-FM 98.3 h, 3000 h.v.  
TX Muncy K1TM 105.5 285' (3000 h.v.)  
VT Rutland WRUT 97.1 1150 h.v.; 2580'

VA Frontview WFLO-FM 95.7 adds v, 100000 h/v; WA Grand Coulee KEYF 98.5 25000 h/v (4807) WV Miami WVCW 107.3 (from 107.1) 24000 h/v, 8755. (monophonic)

WI Chippewa Falls WCFW 105.5 adds vertical, still/FACILITIES QUESTIONABLE IL Chicago WBEZ '91.5 said to be 8300 h/v; 1170; from John Hancock center, but I've seen nothing official on this. Also WXRT 93.1 Chicago said to have 1170.

Call Letters Changed or Assigned

AL '91.9 WJLF AL Phenix City 100.1 WEIZ-FM (from WEIZ) AK Anchorage 103.1 KBLK (106.3) AK Kodiak '107.1 K296DC (formerly K292BN / AK Soldotna 101.7 KPEN (KENY) AR Brinkley 102.3 KQMC-FM (KBRI-FM) AR Clarksville '91.7 KGMR AR Jonesboro 100.1 K0EZ CA Bakerfield '91.3 KBKE 92.1 KJWI CA Colusa 107.5 KTMX (KCYM) CA Fresno 90.3 KFNO CA Modesto 92.1 KXMK (KUUL) CA Mojave 97.7 KAVS (K0DL-FM); still mono? CA Oceanide 102.1 KEZL-FM (KEZL-FM non-ID assumed still in use) CA San Francisco 96.5 KOIT (KOIT-FM, non-ID assumed dropped)

CA Yucapa '90.1 KLRD (K-Lord?) CD Alamosa '90.1 KAEB ("Star-107") FL Cocoa Beach 101.1 WSTF (WCKS), now r. GA Savannah '88.5 WYFS GA Tifton 104.3 WSGY (WUCP) GA Toccoa 106.1 WZLI (WLFT-FM) ID Payette '91.5 KZRW ID Twin Falls '81.7 KZRT IN Columbia City 106.3 WWLW (WVSY) IN Covington 103.1 WCDV (WVWY) IA Keokuk '80.8 KCBG IA Waterloo 105.7 K0KZ (KCNB), OK-FM (strict), adds Cedar Rapids to ID, r (hits), no network KS Ogden 103.9 KQLA KY Pippa Passes '91.7 WOAL-FM LA Natchitoches 95.9 KZBL ME Westbrook 100.9 WYVZ-FM (not WYVZ) - '90 Portland calls are WYVZ, not WYVZ as in Vane Jones' log. MN Benson 93.6 KSCR (KBMO-FM); "SC-93" (not strict), c. MS Newton 106.3 WMYQ (WNNW) [95] MO Kansas City 94.9 KBKC (KCMO-FM), r, "B-10" MT Bozeman '91.1 KMEA MT East Helena 104.1 KAPM NM Los Alamos 98.5 KKJH (KRSN-FM) NY Buffalo '88.5 WYOL (WYOL-FM)

WYOL-FM 100.9 WEZG-FM (WEZG-FM NY Sidney 100.9 WCDO-FM (WSDI), r, Mutual, \$ NC Elizabeth City '90.7 WRVS-FM NC Raleigh 96.1 WYLT (WYDD) ND Grand Forks 107.5 KJJK OH Bolivar '88.5 WCVV OH Clyde '80.5 WHVT OH Ironton 107.1 WMLV (WITO) OH Upper Sandusky 95.9 WYNT (WYAN) OK Altus '90.9 KKVQ TX Abilene '89.7 KACU OK Frederick '91.5 K3YE OK Okmulgee 94.3 KOXL-FM (KQBC) OK Vinita '91.5 KEJC TX Austin 95.5 KOKE DR Baker '91.1 KJVS (KOKE-FM) m/Lite-95 DR Lake Oswego 106.7 KMJK-FM (KMJK, non-ID assumed dropped) TX Brownwood '90.3 OR Pendleton '89.9 KOSJ KBUB PA Erie 98.9 WCKC (WLUV) PA Johnstown '88.9 WFRJ (soft rock) PI Providence 106.1 WWLI (WPJ), "The Lite." / SD Mitchell '90.7 KCTJ SD Waterston '91.9 KLFT TN Jamestown 103.1 WCLC-FM

TX Burnet 107.1 KHLB-FM (KMRB) TX Lubbock 97.7 K249DC (not K249CD) TX Plainview '90.7 K0TD UT Kanab 101.1 KCKK (KKHK) UT Price 100.9 KPRQ VA Crozet 102.3 WJLT (WPED-FM) WA Longview '89.5 KJWH WA Walla Walla 95.7 KNLT (KUJ-FM) WI Tomahawk 92.7 WJQG-FM (WRJQ) WY Casper '90.3 KWHC

Format/Network Changes

AL Gadsden WSGN '91.5 r (as was the case with the former WSGN-610 Birmingham) AK Anchorage KKGR 100.5 p AK Kodiak KJZ 101.1 r, Stereo AK St. Paul KUHB '91.9 P (Nat. Public Radio) - music format varied; not sure if stereo AK Wauila KNBZ 99.7 k, n, s, heard by tropo in Kodiak by our reporter AR Hampton KKOL 107.1 (c)cap [see M] AR Pine Bluff KADL 94.9 D (ABC-Diraction) CA Los Angeles KIQQ 100.3 m, "Lite-100" (Format 41) (mono) CA Ridgecrest KFIO 104.9 m, "Notalgia." / CA San Bernardino KVCN '91.9 c. CA San Francisco KKCY 98.9 soul, not p? One reporter said it is "urban contemporary."

WFAW 93.3 FM DANBURY COMMUNITY RADIO, INC 76 LIBERTY ST., DANBURY, CT 06810

FL Fort Lauderdale WJLY (not WJTY, as given in June) 106.7 m (not nr) FL Tampa WTDI 100.7 r ("adult contemporary") GA Thomaston WTGA-FM 95.3 m (rock days, soul nites; still "T-95") IL Charleston WEIU '88.9 p, Stereo IL Elmwood Park Chicago WCKG 105.9 pr IL Rockford WZDK 97.5 r, not pr IL Skokie WCLR 101.9 m, "102 Clear" IN Bloomington WTT5 92.3 m IN Indianapolis WTP1 107.9 m, Stereo / 97 IN Shelbyville-Indianapolis WENS 97.1 m, FM IN South Bend WNSN 101.5 m, "Sunny 101.5" LA Maurice KFZX 106.3 s, on air, "Foxy-106," dual city with Lafayette MA Brookline WBSZ 92.9 IS k, "trust me... report their playlists as country and... the owner would be unlikely to mess with a format that's been steadily increasing in listeners" MI Detroit WLTI 93.1 m (not nr) MN Hibbing WTBX 93.9 D network (ABC-D) MN Minneapolis KBEM '88.5 jazz MN Rochester KROC-FM 106.9 m, adds TX data 92 kHz, as well as frequency shift 67 kHz data SCA MS Columbus WMBK 103.1 k (rock) NJ Eatontown WHTG-FM 106.3 p (progressive) NJ Trenton WKXW 101.5 r (oldies from the '50s-80s with current hits) NY Elmira WLEZ 92.7 D, ABC-D that is. NY Newburgh WGHY-FM 103.1 r (automated top 40 and oldies) (still monaural) NY Onieda WMCR-FM 106.3 m (with variety) / NC Lumberton WKML 95.7 k, dual city ID with Fayetteville OH Duane WDFM 88.1 rock, Stereo OR Klamath Falls KJSN 92.5 m, not b (based on a reporter hearing a Carpenter's song via slip; but see Nick Lombardi's caveat later) PA Harrisburg WNNK 104.1 r, "Wink-104" PA Hoffmansburg WHPA 104.9 Stereo in Net., no NBC PA Mechanicsburg WTPA 93.5 m (WNNK and WTPA switched formats) PA Mercer WKTIX 96.7 (c)cap

TX Austin KLBJ-FM 93.7 pr KHFI 98.3 r, still K-98 TX Conisca KAND-FM 107.9 (rock) TX Seabrook KYND 92.1 m (not nr) UT Salt Lake City KRCL '90.9 pk (progressive rock and country music) WI Milwaukee WLTO 97.3 mr WMYX 98.1 mr WLMU 102.1 soul and rock AT Edmonton CJAX 92.5 m

Slogans/NonIDs in Use

CA Fowler KTED 96.7 Stereo Love 97 and K-Ted CA Los Altos KLZE 87.7 Classy CA Roseville KPPO 93.5 K-Pop (x-Hitradio) CA Sacramento KXPR '90.9 FM-91 CA Tracy KYBB 100.9 B-101 FL Coral Gables WHOT 105.1 Hot-105 FL Fort Lauderdale WSHF 013.5 103-She FL Miami WEDR 99.1 Star Force 99 FL Stuart WRIT 92.7 FM-93 FL Tampa WFLA-FM 93.3, no non-ID GA Atlanta WSB-FM 98.5 WSB-98FM WRMM 93.7 Warm-99 (see Larry Fues' comments about these two stations, below) IL Arlington Heights WSEX 92.7, no "New 92," m IL Chicago WLWU '87.7 88-7 Hit Line WMET 95.5 no non-ID; nr IL Highland Park-Chicago (dual city ID) WVXV 103.1, RPM (short for "Real Precious Metal," used evenings when p, mono. [Apple, rock in Greenfield-Indianapolis WZPL 98.5 Indy's / IN Indianapolis WNPAP 93.1 83-NAP LA Lake Charles KHLA 98.5 LA-95, m MI Lansing WTL-FM 100.7 White MI St. Joseph WRX 107.1 Magic-107 MN Brainerd KLIJ-FM 107.5 Z-107 (hits) MS Oxford WMB6 97.5 Mies-88 (strict), still MO St. Louis KYKY 98.1 Y-98 (not KY-98) NH Hanover WFRD 98.3 99-Rock-FM NJ Millville WMBV-FM 97.3 B-97 FM, r this NY Albany WHRL 103.1 WHH-Star90 NY Auburn WDMW '88.9 Win-89 NY Glens Falls WGRF '82.1 82-Rock (not strict) NY Hudson Falls WENU 101.7 We-N-U, now r NY Middletown WKGL 92.7 Rock-92 NY New York WNEW-FM 102.7 no non-ID; they LA Maurice KFZX 106.3 s, on air, "just use their call letters" NY Schenectady WGFN 90.5 98-GFM (very strict: "in several hours of listening, I didn't hear the full call ones" [?]-ad.) NY Southold WBAZ 101.7 "Boys Radio," m ON AIR AND DX READY, in Stereo NY Ticonderoga WXTY 103.9 X-104 (very strict: "Hers, too, I never heard the call in a long listening period") NC Charlotte WZDZ 93.5 93-ZDZ PA Leavittown WMRP 95.9 Music-96 TN Jackson WKIR 104.1 104-KIR TN Oak Ridge WOKI 100.3 no non-ID ("Hie-100," always used with call letters) TX Georgetown KGTM-FM 96.7 Stastardon TX Houston KL01 101.1 K-101, not strict, but they just resumed using this non-ID late last year VT Rutland WRUT 97.1 T-97 (not Stereo-97) VT Vergennes-Burlington WIZN 106.3 The Wizard WI Cleveland WKTT 103.1 T-103, k, Stereo WI De Pere WJLW 95.9 J-96, k, Stereo WI Middleton-Madison WWMG 106.3 Q-Country-106 (not strict)

Multi-City Identifications in Use

CA Visalia KFSO 92.9 adds Fresno, still rock IN Aurora WSCW 99.3 adds Lawrenceburg-Rising Sun, still monophonic IN Bedford WHF 105.5 with Bloomington at times; with Mitchell at other times; "F-105" IN Franklin WGAQ 95.9 adds Indianapolis IN Notre Dame WSDN '88.9 adds South Bend

KY Versailles WJMM 106.3 adds Lexington ME Ellsworth WMMJ 95.7 adds Bangor [Rapids MI Cadillac WKJF-FM 92.9 adds Traverse City-Big MN Duluth KQDS 94.9 adds Superior WI NY Baldwinsville WSEN-FM 92.1 adds Syracuse NY Oswego WRVO '89.9 adds Syracuse OH New Lexington WJWM 106.3 adds Zanesville; both it and WPRM 106.3 Ottawa are known as "M-106," and have rock formats PA Brookville WMMK 95.9 adds Clarion PA Fredand WQEO 103.1 adds Hazleton PA Scranton WEZX 107.1 adds Wilkes-Barre TN Murfreesboro WMOT '89.5 adds Nashville WI Appleton WAPL 105.7 with Green Bay, r, no non-ID, r, with Sunday morning jazz WI Deafield WHAD '90.7 adds Milwaukee WI Menomonee Falls WFMH 98.3 adds Milwaukee, c, no non-ID ("Hit Radio.....") WI Racine WRKR-FM 100.7 adds Milwaukee, / WI West Salem WISQ 100.1 adds La Crosse, with "United Stations" news at :30 t drivetime; they are 24 hours, with a translator serving La Crosse on 99.3, from across the river in La Crescent, MN. [See "New Stations Grant," 2 pages ahead.]

SCA, 167 kHz (or ± 92 kHz)

CA San Francisco KDFC 102.1 no SCA; its SCA, Chinese "Sinezat," moved to KALW '91.7 IA Des Moines KLYF 100.3 +92 kHz data (67 kHz has farm news in clear voice with no background data) MN Hancock KEEZ 98.1 92 kHz X data KROC-FM 106.9 tX 92 kHz; frequency shift data on 67 kHz NJ Newark WHTZ 100.3 tE (Chinese; either back to, or always was; perhaps not on all the time.) NC Charlotte WCEZ 104.7 same 92 kHz (FM 87) NC Eden WWWW 94.5 (main channel), tX 67 kHz NC Reidville WMMO 102.1 92 kHz test tone (67 kHz music) NC Statesville WFMX 105.7 tT (news feed) NC Winston-Salem WSEZ 93.1 tX , data, 67 kHz WTOR 104.1 tX (Rotating sound; probably low-frequency telemetry) WKZZ 107.5 tX telemetry TX Houston KPFT '90.1 tX ("All Pacific stations are getting this"; probably Datapack, frequency shifting data) WI Washburn-Bayfield WBSWA 105.9 no SCA, no non-ID on main channel WI Milwaukee WVCY 107.7 back to music, 67 kHz; their newly-acquired co-owned station, WVCX 98.9 Tomahawk, no SCA, but g main WI Spencer WMLA 92.1 tX (telemetry), & rock, dual city with Medford, tX and of central WI." WI Baraboo WILV 94.9 tX (slow-speed data); no non-ID; no network (hit X)

Stereo or to be Stereo

AZ Bullhead City KCCR 102.7\*\* CD Alamosa KRZA '88.7 c, some Spanish, target 98-95 to be on the air IL Carthage WCAZ-FM 92.1\*\* IL Glenview WMLA '88.5 KY Hazard WEKH '90.9 c, p, soon on air KY Jenkins WJFX-FM 94.3 r, now "94-FIX" KY Whitesburg WMMT '88.7 variety; target 10-85 LA Varnado WBOX-FM 92.7\*\* LA Tiosa KISY 98.3\*\* MA Springfield WAIC '91.9 MI Gaylord WPHN '90.9 c, 24 hours MI Springfield WSAE '88.3, all gospel MO Willow Springs 100.1\*\* TX Carthage KTUX 98.9 [Cobra] TX Free K0BR 95.9 variety format. "The / TX Heame KHRR 94.3, soul, Bryan-College Station dual city ID, "K-94" TX Odem KXTD 98.3 Spanish, rock, adds Corpus Christi to its ID, "Radio Extior" TX Robertson KLUX '88.5, rock and m-or, nr VA Norton WVVA-FM 106.3 adds Wise-Coeburn to ID list; rock, Mutual network

Not in Stereo—removes \$ listing

NY Loudonville WVCN '88.3 \*\* Means stereo status inferred from FCC news releases showing a station has a two-frequency studio to transmitter link. Other stereo and format data this month from talking to people at conventions of the National Federation of Community Broadcasters and the Association of North American Radio Clubs. Not Deleted FL Starke WTLG '88.3 "heard on Es July 2"

Deletions?

AZ Miami K0SS 88.3—app. dismissed for ext. of time. lic. or modification; lic. to cover CP/change CA Santa Cruz K276BR 103.1—app. dismissed GA Columbus WFCU '90.5—app. dismissed mod. permit for extension of time (2nd request) IL Jacksonville WYOB 102.5, app. dia. for extension of time MN La Crescent WISD-1 100.1 (replaced by new translator W275AJ 98.3 Translator is on air.) WI Washburn WHUJ '90.5 app. dismissed for license (I am considering this one deleted)

Deletion

OH Bayeville '91.7; application dismissed FMistakes, 9th Ed. FM Atlas Omitted from 106.3, p. 141: BC Pritchard CFFM-7 -1185' 61 watts, DA ON Peterborough CJBK-5 9500 v ON Sarnia CBEG 376' 50000 v

FM NEWS & READERS' REPORTS

Comments on the June VUD column from Pete Nolan: I have real trouble with the classification of Transtar's Format 41 (WJQY, KYND, etc.) as "m" by your system. KYND markets it as easy listening, and in truth it's much closer to that than it is to rock. Even traditional easy listening/beautiful music stations have in the last few years begun adding original soft rock vocals (e.g., Neil Diamond, Glen Campbell) to their mix, especially in morning and afternoon dayparts; the distinction between these stations and Format 41 is pretty narrow. [Pete, I agree with you, and am calling all Format 41 stations I know about simply "m."...] Petty corrections dept.: KROK-FM was 94.5, now KWKH-FM. You confused it with KVKI 96.5, which used to be gospel KEPT. I'm not sure I understand Mike Dornier's comments on KCLL-FM. I was told when visiting the station two years ago that they had just gotten approval to move to 107.5, though I think they just meant they got the allocation change approved as the actual move was only approved earlier this year. But their idea of moving was hardly recent. Also, KTQQ 100.9 Sulphur LA is hardly a "rim-shooter" in Lake Charles; the transmitter is less than ten miles away, and less than five miles from KLAH 99.5 and other locals. It is, yes, unusual for a Class A to be No. 1 in town, but they unquestionably are; one of the main reasons is that they have far and away the best news department in town. . . . J. Kinross Thomas, the guy who put KTQQ on the air, sold the station last year for over \$1 million—pretty good return for a Class A facility, and an indication of how solidly entrenched in the market they are.

My information is that WKRB Brooklyn '90.9 will not ever make the move to 103.1. Ever, ever, ever. By the way, thanks for the RadioPhiles plug in June. . . . I in fact often overstate my own views just for the sake of making it [the "Evolution" column] entertaining and enjoyable—and I can inform people a lot better when they're reading the column than when they're not reading it! And, the I know it was a lot of work on your part, I thought that your June VUD column was excellent! It's nice to see all that support.

Classical and jazz music are swapping places on Charlotte's WFAE, with c in the mornings and j evenings. The station now signs on 5 a. m. (90.7). Station manager Jennifer Roth said the station will be on the air 24 hours "someday, and would likely fill the late-night and early morning hours with jazz. But don't expect WFAE to ever completely part with classical music. Because we're a public radio station, I think we would always be committed to a substantial amount of classical programming." This from Edward Warner, Franklin NC, in a newspaper clipping he sent.

In Georgia, WKHX 101.5 Marietta, owned by Capital Cities Communications (the outfit that bought ABC) "has purchased WPLO 590, 5 kw, the veteran country station in Atlanta. WPLO can be reached now by dialing the WKHX telephone number. An employee said they had no plans for duplicate programming. WVEE 103.3 Atlanta, the sister FM of WPLO until WPLO sold has purchased another AM affiliate, WAOK 1380, 5 kw, Atlanta. They both feature black programming. . . . According to a recent issue of Bible Broadcasting Network's monthly newsletter, WYTB Gainesville FL '90.5 50 kw should be on the air by the end of the year. They also have some extensive changes planned for their FM properties in North Carolina and Virginia. I am still delighted with the FM Atlas and VHF-UHF Digest. It's too bad I didn't learn about the publications before I became an old man. Hope you make your move to Minnesota without too much hassle. My experience with moving does not rank among my fondest memories," writes Kenneth Reid. [We have moved into a lovely home 14 mi. WSW of Duluth near Esko MN, but living just on earnest money. I'll tell more about it when the deal goes through. So far, we are very pleased with how things worked out.] Nick Lombardi, also in Georgia: Recently I've noticed a tendency for certain b format stations to slip in an occasional m-sounding selection. This does not change the fact that they are beautiful music/easy listening stations, but it does mean that commentators about a station's format based on a few seconds of E-skip reception can sometimes be erroneous. In this regard, make sure you still show both WSPA-FM 98.9 Spartanburg SC and WZXI 101.9 Gastonia NC as b.

I am glad to learn that YOU will be the one to decide which category SCA data noise belongs in, but I do wonder how you propose to sample every single one in the entire country. A way to insure clarity with your proposed two or three column listing is to adopt a "+++" or possibly "+" scheme as follows: Stations with just a 67 kHz foreground music SCA would be listed as ++M+. A ++R would indicate 92 kHz foreground music, I++ 57 kHz ARL, and so on. A station with both 67 kHz music and 92 kHz foreground music would be ++MR, and a station with all three services would be simply IMR, with no "+". The beauty of this system is that it defines precisely where the SCA information begins, and it also allows unknown format stations to continue

to be listed as +++. But in order to work properly, you would probably need to use fixed (as opposed to proportional) spacing in your station directories. There are no doubt other ways to accomplish what I have suggested above, and it will be interesting to see what type of format you eventually come up with. I received two other comments to my proposed SCS data categories—both negative. Veteran SCA listener John Ebeling says "I don't know about the proposed SCS data categories—I think it's hard, if not impossible, to distinguish between T, U, X, Y and Z as outlined. I know I could never tell the difference, let alone report it properly!" Another reader who does not want his name used says DXing should be fun, and he has known of hobbies that have killed themselves by having people get too picky with details. I tend to agree with most of this criticism, and it would save me work, too, if I at least simplified my proposal. My thinking now is to have only three data categories: X (as now, for the the majority of data); Y for pure tones or telemetry (distinguished by low frequency humming or a whirring tone repeated every 1-2 seconds, or a chirping sound), and Z, frequency shift data (sounding like a machine gun). These changes probably will not come into effect for the 10th edition "FM Atlas," as I have a massive project just getting the existing data into shape for key-plotting. Your continued input on this subject will be appreciated.

Reader Mike Amerer sent an article on how Indesys, Inc. plans to use SCA nationally to transmit messages to personal computers. It says customers "are assigned a unique address, and their receiving equipment collects only those messages addressed to it," with only the receiver addressed able to decode the messages. ABC-FM stations are expected initially to have this form of data (most likely to be coded "X," not "Z"): WPLJ, KLOS, WLS-FM, KTKS and KOMA. Indesys is located at 2425 Garcia Ave., Mountain View CA 94043.

From Alaska, Rod O'Connor says Naknek's KTTH 100.9 is not yet on the air, and the "M Street Journal," published by Pete Nolan [PO Box 540381, Houston TX 77254—write for special DXers' subscription rates], has in it that KTTH is requesting an extension for its construction permit. "It may be a repeater for KDLG 670, as is KUHB St. Paul [91.9] AK. KJWZ 101.1 Kodiak transmits from a "poor location, the same tower as the KVOK-560 AM tower. Although the listing shows as 56' in your May '85 column, it shows how inaccurate HAAT figures are in mountainous areas. Actually, the antenna is about 150' above ground. Two reasons for lousy coverage. First, the surrounding mountains block the signal around town and out to the Coast Guard base, and secondly, for 4300 watts, I personally would use more than just a 2-bay antenna. In comparison, KMXT 100.1 with only 3000 watts, with a 3-bay Jampiro antenna centrally located in the city puts out a far better signal. [Your listing has them as only 3' HAAT, although we are on a 50-foot tower, atop a 150-foot hill, but still shadowed by a 1300' mountain to the north.] That's why I personally do not put much faith in HAAT here in Alaska or other mountainous areas, while over most of the rest of the nation it is an accurate indicator. . . The Alaskan Forces Radio Network has two networks. Their mostly AM network has only 1 FM outlet so far. . . Shemya 90.5. The present AM outlet on 960 here at Kodiak Coast Guard Base (50 watts) is to be replaced with FM but timetable has been moved from this summer to sometime later this year. I have included two schedules of their networks, which should be of interest to you. . . A real top-notch outfit, and most impressive. The FM network is all Harris automation and state-of-the-art. Something to drool over. The AM network is live and tape assist. . . KENY 101.7 Soldotna-Kenai still using those calls, as it is a satellite of KCTL-FM Homer. Not yet using KPEN calls. . . I believe KJBA 100.1 is on the air, although I haven't been to Bethel, I did see an ad for a statewide program which was to be broadcast over KJBA. . . Good DX to you in Minnesota."

"KIQQ 100.3, one of the four hard-core top 40 rockers in the Los Angeles market, officially died," says an article sent by W. R. McIntosh. "The call letters remain the same for the time being, according to new general manager Tom Mosher. . . We're still KIQQ, but the format we're now referring to as 'Lite 100', Mosher said. . . That leaves the Top 40 market in Los Angeles to teeny-bopper KKHR-FM (93.1) and the more adult-oriented Top 40 KIIS-FM (102.7) and KMGF-FM (105.9). . . The ax fell after several years of listener ratings that declined as steadily as they were climbing at KIIS-FM. In the most recent quarterly Arbitron Ratings, KIQQ had dipped from 15th to 25th in Los Angeles, with only a 1.5% share of the L. A. listening market. Asked if the dismal ratings had any bearing on the decision to change formats, Mosher said: 'Well, let's say that if we had a 10 share in the Arbitron, we wouldn't

have changed.'" On the opposite coast, Richard Steinberger sent a clipping on a slogan war that is affecting Boston's WMJX 106.7, using the phrase "Soft Rock—Less Talk," while WLYT 92.5 Haverhill has a phrase (not necessarily its nonID) "Lite Rock—Less Talk." The case is scheduled for court, with Michael Berg of the NAB in Washington quoted as saying the dispute could prove important in the highly competitive adult contemporary field, where formats and methods for attracting listeners are similar. "There is increased competition in the marketplace, not just from other stations, but from home video and things of that nature," he claimed, "and the FCC is playing less of a role, moving toward deregulation."

Richard E. Wood, Ph.D.  
P.O. Box 5074  
Hilo, Hawaii 96720  
U.S.A.

—sent word that KFSH 97.9 Hilo was to have come on the air Aug. 3, after several years of holding a construction permit. It is Billy Graham-affiliated, and has "magnificent handcrafted studio cabinet work." Richard sent word that an application for 99.1 had been filed at Waimea HI by one Karen Gross. It is an upper-class mountain community of 4,000 with prep schools and the fastest-growing community in the U. S. in the 1970s (Kailua-Kona area). "Station should be a commercial success in areas where Honolulu and Maui stations don't penetrate." A final article he sent concerns a bride and groom getting married on the air over WPDH 101.5 Poughkeepsie NY. After the ceremony the station reportedly was flooded with callers wondering if that was for real, and it was!

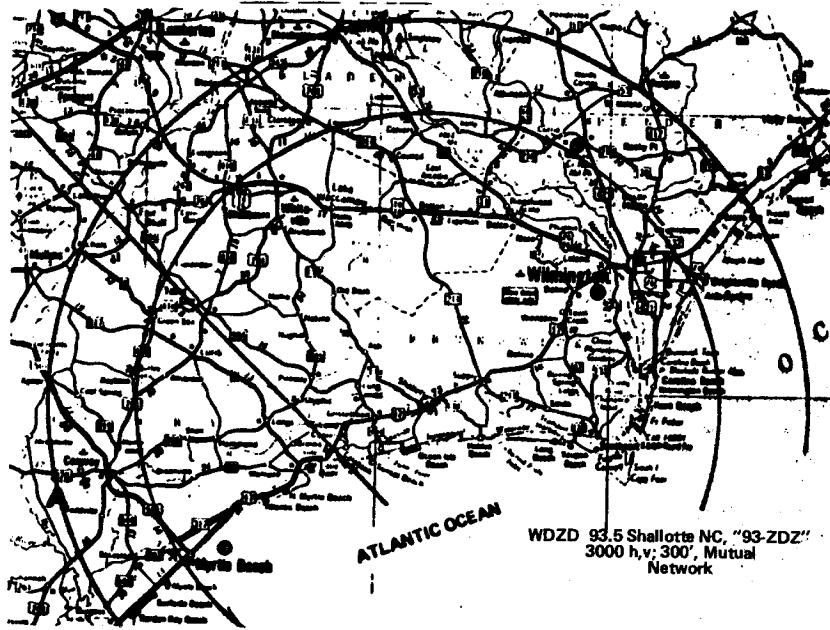
Jim Pizzi sent an article about an FM station, KCBI-FM Dallas, which has embraced shortwave, much as WRNO-FM New Orleans has. KCBI shortwave was to have begun as of now, beamed to Europe with Christian programs, with later broadcasts to South America. No frequencies were given.

Ralph Strobel has seen the first published information in his local paper on the new 104.9 Muncie station, getting local zoning approval for a 360' tower. He sent a logo for WZDD 93.5 Shallotte NC, which I intended to use earlier this column when I mentioned that station, and a coverage map which may appear elsewhere.

A most unusual commercially-licensed FM station is 103.1 WIOE Huntington IN. Says Michael Roehm. "They play rock like top 40, rock and progressive rock. The thing about this unique station is that there are NO commercials EVER, or news or weather. Just music and a station identification every now and then. My sources tell me the reason is because WMEE 97.3 Fort Wayne had more listeners than WOWO (AM), so WOWO decided to make a new station to compete with WMEE for the sole purpose of lowering its ratings: 103 WIOE Commercial free. It makes no profit; it simply keeps WMEE's ratings down." I have not checked to see if WIOE and WOWO share ownership, but if this report is true, it is a very unique "SCA is neat, and it's coming more and more into view as a potential money-making device for otherwise-hard-put FM stations," is the way a plug David Newkirk started in his publication "Enjoying Radio." The article also says: "Well, to make a long story short, Bruce Elving, perhaps the first FM DXer to log 1,000 different FM stations from one location, set up a business manufacturing and selling SCA adapters and adapter kits, as well as carrying radios pre-modified with said SCA devices. The only reason I don't have an up-to-date copy of the Atlas is that I'm such a stick-in-the-mud that I don't listen to much FM relative to shortwave. I do, however, have a couple of Bruce's least-expensive SCA adapter boards. . . No one else is as into FM as Bruce. The Atlas itself is a . . . but if you're already an FMDX/travelistener, you likely already have. . . And what are you hearing on SCA? Do you listen to FM via meteor scatter? Tropo? Is E-skip worth it where you live? . . . The above sent by Paul Hancock, who was inspired to buy two of my kits. The Elf-T SCA adapter "really works great compared to Elf-II in the G-E Superadio" comments Jay Mathisrud. Elving Science is close to a breakthrough whereby I expect to have a 92 kHz version of the Elf-I adapter. Watch for it in our new catalog or in our newsletter.

And speaking of newsletters, much of the format info in this column comes from Pete Nolan's "M Street Journal," noted earlier in this column.

Both the public broadcasting paper "Current" and the magazine "Religious Broadcasting" had articles addressing the FCC's policy on religious use of public radio and TV



EDWIN H. ARMSTRONG  
Owner and Operator  
Frequency Modulation (FM) Broadcast Station  
W 2 X M N  
on the Palisades  
ALPINE, NEW JERSEY

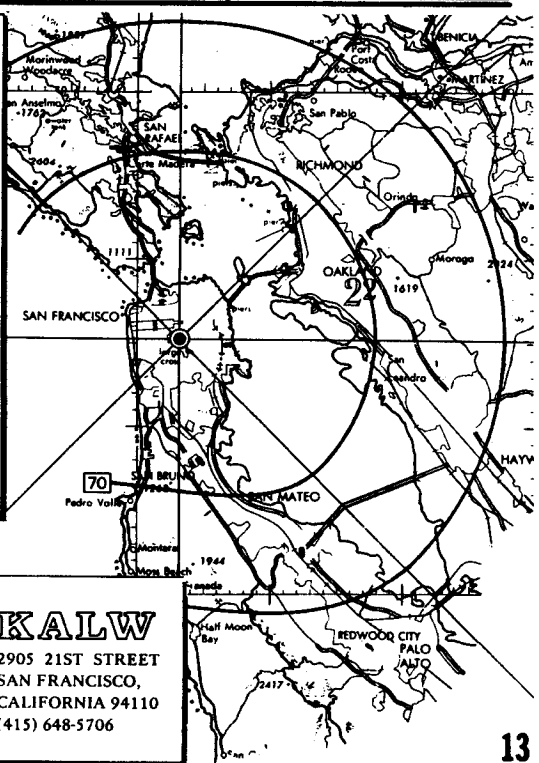
PERCY H. OSBORN  
Chief Engineer  
December 30, 1947

Radio Station KALW,  
Board of Education,  
Unified School District,  
San Francisco, California

Dear Sirs:  
Your transmissions are frequently heard here at Alpine, New Jersey. It would be greatly appreciated if you could send me a copy of your operating schedule.

Thanking you in advance for your cooperation and courtesy,

Very truly yours,  
*Perry H. Osborn*  
Perry H. Osborn  
Chief Engineer



Major Edwin Howard Armstrong was the developer of Frequency Modulation (FM). W2XMN was the first full-scale experimental FM station broadcasting regularly.



channels. The immediate case was an application by Way of the Cross, Inc. for a reserved TV channel (article does not say which one; probably Bill Fabber knows). The FCC sidestepped ruling on the merits of the religious issues, and instead found the other applicant more qualified because of having more local people on its board. Article goes on: "On the FM side, stations in the reserved band are allowed to describe their format as principally 'religious'—though some stations which are principally religious choose to describe their formats as 'educational'." The article noted some 170 ed-FM stations are primarily religious, about 40% of which have been licensed since 1980.

"Other companies, such as Family Stations, Inc., clone applications in their own name for large numbers of available frequencies. Family presently has some 50 applications for educational FM channels pending (out of more than 150 pending applications for all types of broadcasting frequencies). . . Family originally planned to license 'hundreds of translators' and feed them by satellite, but FCC rules forbid that arrangement. Then. . . Family began applying for 100-watt (and higher-ed.) stations which could be fed by satellite and could be used to feed translators in turn. . . A rulemaking to limit the number of reserved channels that can be granted to a single licensee has been pending before the FCC since 1978, with no action taken." The Religious broadcasting magazine points out that the FCC is deregulating things, and increasing the number of radio station a single owner (or married owner, for that matter) can have, and that it is unlikely that ownership restrictions in educational FM would have much chance.

In a commission challenge to the renewal application of WAMZ-FM \*99.1 Zarephath NJ, the FCC found Pillar of Fire qualified to operate WAMZ-FM, even though very little local programming, such as news, was aired. Nationally-syndicated programs and public service announcements were found to be adequate for meeting local needs.

I am switching to this elite Smith-Corona typewriter because of what a reader said who struggled through my July column. An optometrist now has a copy of that column as a severe test of difficult reading material. With four typewriters in the house, I should have one that should produce good VUD copy.

A reader sent a copy of an article in the Sept., 1985 "Stereo Review" concerning the FXK device that is said to allow full FM stereo reception out to the mono distance for a station. FXK circuits would add just a few dollars to the cost of a radio, and the broadcast equipment would also be inexpensive. The article does not say if the system would be compatible with existing stereo decoders in radios. On p. 4 of my 9th edition is mentioned a KJZ 620 Knoxville TN leaving the air. According to a newsletter

Kermit Reid received from the Radio Bible Class, Grand Rapids MI, WRJZ 620 is mentioned as carrying the program. Perhaps they are on the air again, muses Kermit.

The Capital Cities-ABC merger is resulting in the sales of the first radio stations. Los Angeles' KZLA FM and KLAC AM are going for \$43, and KSRR Houston for \$32.5 million to Malrite Broadcasting. The article sent quoted KIIS general manager Wallace Clark as saying KIIS-FM, the top-rated station in Los Angeles, would command "well over \$100 million" if it were for sale.

From Oklahoma, it is reported that KQMA Cwasso's 93.5 translator is operational in central Tulsa. KJGS \*99.5 will soon be 50 kw, 106.5, transmittor Cowetta OK. KGMX \*91.3 Claremore OK now 2200 watts at 36.5.

Canada's Steve Tuura thinks CJCR FM 97.7 will get to keep its protected allocation, and that Toronto's 97.3 will be assigned farther inland, such as to Richmond Hill, where CFM could get it as a religious station. "I hear that Peterborough's CBBP on 103.9, which gives trouble to Rochester's WDKX, will be assigned 103.7. . . WCKK in Erie will not allow 103.7 in Toronto. . . The CKQT (94.9 Oshawa) CN tower proposal was turned down due to objections from CKDS 95.3 Hamilton. . . It is hard to keep track of the CRIC because it changes its mind until the final decision is made."

Jim Korn sent some CA format information, and an interesting copy of a KALW \*91.7 San Francisco coverage map and a copy of a 1947 letter from W2KMN Alpine NJ, Edwin H. Armstrong's station. The letter reported frequent reception of KALW in NJ and requesting a program schedule. This must have been on the old FM band, as KALW literature indicates it operated in the 42-50 mhz range until 1950, probably running dual frequencies 1947-1950. He also sent an interesting brochure on the FM and TV translators in China Lake-Ridgecrest and Inyokern CA. The FM translators all transmit vertically-only. They are located on Laurel Mountain to the south. Jim says he may not be attending any radio club conventions for a while, as he is saving money for a possible overseas vacation next year.

Changes in the works at WRIN 93.5 New Rochelle NY? Bill Mienajedly has heard heavy metal after midnight some nights and Spanish programming some afternoons! Bob Baker reports that, on a recent trip, he did not hear K249BJ \*97.7, an NPR translator in Fairmont; but I think that is a new one and it has not started broadcasting. A guide he sent, published by Minnesota Public Radio, rather immodestly describes NPR as "the best public radio system in the nation."

An article Rod C'Conner sent said some opponents of new Christian FM station are criticizing its call letters—KCGD (see p. 14 March 1985 VUD), Wasilla AK. They charge the station is trying to commercial-

ize God. In another call-letters issue, KFRZ-FM 106.9 Brigham City UT has had its previous grant of calls KSEX set aside. No indication if this results from local pressure to the FCC from KFRZ-FM's predominately Mormon constituency.

Dave Nieman sends information on the Buffalo area, with an article on Buffalo's radio ratings. Seems a lot of people are tuning out of Buffalo radio altogether, with many teens especially favoring CILQ 107.1 out of Canada, with dissatisfaction with the state of album rock in Buffalo, with WGR-FM mellowing from its former incantation as WGRQ.

The "sickie" translator of KDNW \*90.5 Duluth MN (VUD, June 1985, p. 9) seemed that way to John Ebeling, who was driving sideways to its beam, which is horizontal only from a point 3 miles west, aimed at the city. "Both receive and transmit are located on top of Harvester silos," comments manager Paul Harkness, who verified my 32-mile reception of the one-watter at \*88.5 off to the side of its beam. He expects K218AR 91.5, 1 w, Ashland WI to be on by Oct. 1, and the new K220BI 91.9 to be on Dec. 1, Grand Marais MN.

Another station verifying for me was KRPR \*89.9 Rochester MN. Right after I heard them, in late July, they left the air, and "will not be in operation again until Sept. 5 when our school year begins again." Those of you into high fidelity may want to tune in the show done by a former graduate-school friend of mine, John Sunier in Kentfield CA. It is "Audiophile Audition," carried over NPR at 2 p. m. eastern time Sundays. It includes compact discs, direct discs, 45 rpm 12-inch discs, audiophile tapes and special programs on bi-natural sound, as well as other subjects. Some 100 stations are said to carry the program, now in its sixth month.

"FM sets in buses will furnish riders in Scranton and Wilkes-Barre PA with music and news from station WIZZ. Installation of the receivers has already been started. The arrangement is a commercial tieup between the station and the bus company," from Radio-Craft, July, 1948, and sent by John Ebeling.

Former WTFA chief editor Clarke Ingram writes from Mesa AZ, where he is assistant program director of KZZP-FM 104.7, saying he stopped by Kearney and tried to call us when we were on a MN house-hunting trip in early June. His home phone number is (602) 926-8570, and AZ maintains Mountain Standard Time the entire year.

WCTS \*100.3 Minneapolis, which once claimed that Sakan was causing interference with its signals when several stations went to the downtown IDS Tower, now has been denied use of a lake property north of town to build its tower. The court has ruled the Dept. of Natural Resources can stop the station from using the lake to build a radio tower. The tower would replace a 460' one that fell during a 1980 storm. Since then the station has used a 130' antenna at the seminary in north Minneapolis. I find KLYF comes through the WCTS signal quite often, now that WCTS has such a poor signal; KLYF is in Des Moines IA.

Sunnogroup, Inc., in TN reported a profit for the first half of 1985 (with losses each year 1980 through 1984). The profit resulted from the sale of WYHY Lebanon-Nashville TN and WSEV (AM) and WMYU (FM) Sevierville-Knoxville TN. It operates WERC (AM) and WKXX (FM) Birmingham AL and is looking for more radio stations to acquire.

7 am-noon ELT daily, originating out of WGBH \*89.7 Boston MA. "I heard it on Vermont Public Radio and WAMC Albany NY, 90.3," and he's heard it is also on Maine Public Radio. "Taking note of Ernie Cooper's and Nick Lombardi's comments which appeared above mine in the June '85 VUD, combine the two and you have a good idea which I would certainly endorse: put the formats in the by-frequency column and networks (along with SCA) in the by-state column, with neither appearing in the other column. Is that possible? [I see no advantage in merely transposing data from one sec-

W. R. McIntosh has not had much time for DX or to play with SCA, as he now is playing with a new VCR. It's "fun." On his coat of arms, those are mountain cats, not lions. And I hear where we moved, in northern MN, are lions or mountain lions!



Larry Fuss sent three letters, so I'll summarize:

In Camden AR the permittee of the new translator is not either of the two applicants for a new station on 237A. One of the applicants is Y95 radio (a client of mine) and the other is a guy who owns KLVU-AM-FM in Haynesville LA. When 237A cranks up, the translator goes bye-bye! . . . I noted your comments on "I don't know why WSB-FM is griping" and just had to respond. Since I work fulltime for WSB-FM, I am biased, but I can tell you why WSB is upset. Three years ago when WSB-FM "The Great 98" dropped their elevator music format and went A/C, they adopted the "99FM" slogan (the station is located at 98.5). At that time, WRMM was WLTA, and were calling themselves FM-100 (they're on 99.7). They later switched to WRMM, "Warm 100." Within the last year they decided they better do something about their sagging ratings, so they started calling themselves WARM 99.7. At about the same time, they started making a lot of references to "digital radios" and to the fact that they were playing "digital compact discs." . . . With the entry of WFOJ into the Atlanta marketplace, WSB-FM finally decided to spend some big bucks on promotions. For the Spring Arbitron survey, we gave away 10 Pontiac Fieros and distributed 13 million "WSB-99FM" bumper stickers throughout the metro area. WRMM figured "gee whiz, if we change our slogan to 99 we'll get half credit for any listener who writes down 99FM in their diary." A very sleazy way to improve your ratings. WSB was using "99-FM" almost exclusively up to that point, but has since been using the call-letters too (WSB-99FM) in an attempt to eliminate some of the confusion that Luke-Warm has caused in the marketplace. Yes, they are 99.7, but what they have done is sleazy and underhanded, not to mention stupid. They spent hundreds of thousands of dollars building themselves up as "WARM 100." Changing their identity to 99.7 and now to 99 is idiotic on their part. Their radio station is dull, boring and lifeless. All they do is take up a spot on the dial. It's a shame, too, because they have the best FM signal in Atlanta (they're on WTBS' tower), but they don't know how to use it. Larry then comments on the June VUD. I, too, noticed the "Audio" magazine pictures of "FM antennas" and sent them a letter telling them that what they were picturing was not FM, but microwave antennas. I've been watching for a correction, but I doubt that we'll see one. . . In the August '85 "Formats/Networks," you list WGRG in Greensboro GA as soul. I listened to them for about an hour as I was driving to work yesterday morning and it was definitely adult contemporary. Perhaps they are soul at night, as a lot of the small-town Class A's around here seem to be. They were also using a strict "G-104" nonID. [Let's paint them in for now-b.c.]

Format: KTKL 106.9 Casper WY will be [gasp!] Richard E. Berg-Andersson sent format information from the Adirondack area where he vacationed, but was disappointed by the regular reception there and the DX, due to the influence of the mountains and from cable leakages. He says many New England NPR stations pass up "Morning Edition" in favor of "Morning Pro Musica," a classical music program hosted by Robert J. Lurtsema, (Contributors to be listed next month)

tion of the book to another—ed.] . . . I still think networks are important to include. Maybe I'm the only one who does this, but I tune in Armed Forces Radio on shortwave on a semi-regular basis and am familiar with most of the network correspondents in the "hot news spots" of the world. If I hear a network correspondent on a local newscast while DXing it helps to know which stations carry that network, even though admittedly FM is less network-oriented than AM."

# EASTERN TV-DX

William J. Drees  
Billis St. N.W. #2  
4800 1st St. N.W.  
54216

September 1985

Rich Wertman; 315 Pine St., Lockport NY 14094 EDT

Equipment used: Hy-Gain HG-52 SS tower, HD-73 rotor. P-7 UHF dish at 65' with CP-4800 amp, stacked #1473 hi-band Ch yagis at 57' with Archer #151124 amp, stacked #1126 ten element low-band yagis at 54' with AC-9260 amp. All above fed by .500 hard line, except for last 60' on the tower which is RG-11U. Also Finco P-7 with CP-4800 on 15 ft. tripod at 60' on mouse fed with RG-11U, with CM rotor. Zenith BFL20Y 12" b&w, SL-2300 Sony VCR, Samsung 12" b&w, Panasonic 19" color; #7206 Hi-q trap for UHF, DA-8150 indoor amp. (when locals off)

Well, as most can tell, I've got my tower up. I've never been so pleased as now about any installation I've ever done. As I write this letter I'm watching intense Es on ch.2 & 3. This installation was quite a challenge but everything worked out fantastic. However I'm finding out that low bands work better at 20-25' for Es. This helps keep local splatter to a minimum. I'm checking into a 20' horn tower for installation of these. It really gets to be a pain when you have to change the tower height all the time. I like keeping it at 50' for tropes. I got everything working May 12th and noticed tons of Es but couldn't I.D. anything. I never watched such Es before this installation. I think stacking the low bands horizontally really helped. Now I can kill channel 2 in Buffalo 20 miles away and watch Es right over them and ch.4 also 20 mi. away. I've seen Es right up to ch.6. I think anyone using a log periodic VHF or VHF-UHF in a crowded low band area (locally) should go to this method or they'll probably never see Es. When I had a log periodic up for VHF I only watched one Es opening. Now I've watched it almost every day since June 1st. Not all was recorded because of bad timing for me. Will have photos in Photo News of new installation and hope fully some good Es if they come out.

May 1985

13 Es 1830 KBTX-3 TX  
14 Tr 1900 WPXI-11 PA  
WQED-13 PA  
Es 1930 CKCK-2 SA 1300  
23 Es 1210 KSNW-3 KS  
1215 WEDU-3 FL 1000  
1230 unid-3; Muppets  
in Spanish  
1240 unid-4; thru local  
1245 unid-3; Let's Make  
a Deal

May 1985

27 Es 1430 KEME-3 ND  
1435 WCCO-4 MN  
1502 KPRY-4 SD  
1600 KOTA-3 SD  
1930 WEAR-3 FL  
June 1985  
1 Es 1930 WBRZ-2 LA  
1945 KATC-3 LA

June 1985

6 Tr 2350 Detroit U's, good  
WLAO-49 OH  
WFOO-45 OH  
2355 WPMJ-21 OH  
2359 WJKW-8 OH  
7 Es 1200 KJRH-2 OK  
1700 ch.4 Newfoundland  
NTV  
ch.6 " "  
ch.2 " French  
1850 KSNW-3 KS  
KSNW-2 KS  
1855 unid Nfld & Lab-  
rador, CBC.  
9 Tr 0015 WSMH-66 MI  
Flint-Saginaw-Bay City  
K66BV  
Detroit(SIN)

26 Es 2000 KSNW-3 KS  
WBRZ-2 LA  
KJRH-2 OK  
27 Es 1200 KGFE-2 ND  
1231 KOET-3 OK  
1330 KXJB-4 ND  
1400 KCNC-4 CO  
1410 KDHL-3 MN  
1420 KDLO-3 SD

2 Es WEAR-3 1800 FL  
6 Tr 2300 Erie U's  
excellent  
Akron, Yo-  
ngstown U's  
2310 W65AJ (WXXI)  
W62AS "  
2320 WOAC-67 OH  
2345 WCLQ-61 OH  
WUAB-43 OH

19 Es 0945 KOTA-3 SD  
KLINE-3 NE  
WGGN-52 OH  
20 Tr ----

A lots of usual tropes seen also but too many to re-list. Intense month of Es kept me pretty busy. I also tried the PA-4975 amp on my tower but found it to have too much gain and too little input for my area, even with a #7206 Hi-q trap. I hope the Es keep rolling in all summer. Tropes haven't been as good as last summer but as long as there's Es to watch I'll be happy.

Robert S. Ross; VL3JFC Box 4373 Stn. C, London Ont. J5W 5J2

May 1985

26 Tr 0200 WOIO-19 OH  
27 Es 1200 KNOP-2 NE  
1203 KCNC-4 CO  
1225 ALBY-4 KS  
1230 CBWFT-3 MB  
1235 CND-2 MB  
1328 WJLB-4 ND  
1350 KQFE-3 ND  
KGFE-2 ND  
1457 KDLO-3 SD

June 1985

2 Es 2015 WPBT-2 FL  
4 Tr 0624 WOAC-67 OH  
0633 WAKR-23 OH  
0638 WYTV-33 OH  
0642 WYLO-45 OH  
WLAO-49 OH  
7 Es 1545 KPRC-2 TX  
1602 KIII-3 TX  
1605 KSNW-2 KS  
1628 CJCH-5 NS

June 1985

7 Es 1628 CJCH-4 NS  
CKCK-2 NE  
1732 CJCH-4 NF  
1900 KNOP-2 NE  
1902 KPRY-4 SD  
1910 KDLO-3 SD  
16 Es 1250 KWGN-2 CO  
17 Es 1230 WBRZ-2 LA  
1250 CKJD-2 MB  
1259 WJLB-3 MS

Eastern TV-DX

June 1985

18 Tr 0135 WTOL-11 OH  
0255 WDLI-17 OH  
0340 CICO-12 ON  
Es 1153 CBCAT-4 P

Ross; continued---

June 1985

20 Es 1220 KTWO-2 WY  
1243 KAMR-4 TX  
21 Es 1320 KPRC-2 TX  
23 Tr 0340 WPCB-40 PA

September 1985

June 1985

23 Tr 0350 WPGH-53 PA  
Es 1320 KATC-3 LA  
1400 KGFE-2 ND  
2255 WWL-4 LA

Equipment: Toshiba 12" TV, UHF Flying Arrow ant., whip ant. for VHF.

Frank Wheeler; 6589 Wattsburg Rd., Erie PA 16509 EDT

June 1985

20 Es 1258 KNOP-2 NE 1066  
22 Es 1000 WDIQ-2 AL 815  
24 Es 1132 KNDX-2 ND 1169

July 1985

2 Es 1100 KJRH-2 OK 943  
1300 WBRZ-2 LA 1159  
2130 KPRC-2 TX 1210  
8 Es 1300 WPBT-2 FL 1095  
1702 KOTA-3 SD 1169  
1710 KARK-4 AR 929  
1900 KSNW-3 KS 953  
1903 KSNW-2 KS 1015

July 1985

8 Es 1910 KNOP-2 NE 1066  
1930 KHAS-5 NE 948  
1958 KLINE-3 NE 1016  
9 Es 1100 CBFT-2 P4 395  
15 Es 1130 KTCB-2 MN 682  
26-29 vacation in Altoona.  
Totals: 289 received -  
215 verified.

Equipment: Sylvania 24" color TV. Archer WU-160 ant. Servo-Rotor.

Ed Frye; 317 Hooker Ave., Poughkeepsie NY 12603-3111 EDT

I'm pleased to report that my new deep fringe UHF system has been operating as of July 1. Regarding day to day viewing, my Winegard DS-9095 antenna and Channel Master 7477A Super Titan preamp are stellar performers. WDCB-19 at 75 miles and WMBT-17 at 70 miles arrive with HBO grade 1 pictures. Swinging to the east, the same can be said of Connecticut's WTXN-20 at 50 miles & WTIC-61 at 65 miles; along with WVIT-30 which appears a little snowier, though. Even Kingston xlr W63AA at 17 mi. checks in with a consistent Grade 2 signal. "Super local" WTEY-54 (TL is visible from my QTH and just about everywhere in the Hudson Valley), however, substantially spills over into surrounding frequencies. I am hopeful a Channel Master 7206 High Q trap will resolve this problem. Further down the mast, installation of my system's Channel Master and Sitco narrowband yagis is being re-thought due to space limitations imposed by additional guy lines needed to better stabilize my 40 ft. telescoping Duratube mast.

By extending my 4th of July holiday into Monday, the 8th, I witnessed a sizeable Es opening that lasted for at least 5 hrs. So frenzied was the afternoon activity that signals on chs. 2 & 3 were virtually unintelligible. Not until 1700 EDT did things calm down to a more workable state. To my surprise this onslaught of Es even established a foothold in chs. 5 & 6 throughout the day. Every station that I logged held on for nearly 30 minutes apiece, most of the time coming through in color. A "News Center 5" weather forecast on KHAS-5 told of extreme heat and humidity which I imagine contributed to the magnitude of 7/8's Es duct. One station that I cannot identify came forth at 1915 EDT on ch.4 with ABC's "World News Tonight". Immediately following this network program, an I.D. slide appeared, though somewhat distorted as the duct progressively weakened. A distinctive "NTV" in capital letters was visible at the lower right hand corner of the screen; no verbal calls, however, accompanied this station break. Having done some research at the library, I'm unable to come up with any North American station that fits this description. Referring to 10/84 WUD, I noticed that Tom Yingling logged an "NTV-3" from Cuba. Is it possible that I, too, received a Cuban VHF station? (It's possible but the NTV may have been a reference to a network rather than a stations' call letters. In the August WUD Robert Grant saw an NTV network station from Newfoundland. If I had to guess, I would say you may have been watching the latter off the back of your antenna. I have no first hand knowledge of the NTV stations or networks wherever they're from as Cuba and Newfoundland are out of single hop Es range from me.-wd) Judging by a World Radio TV Handbook listing, "NTV" represents "Television Nacional"; a ch.4 outlet exists in Canaguay. What puzzles me, though, is the presence of "World News Tonight" on this potentially Cuban channel. What do you suppose is the likelihood of Television Nacional airing such a program? (Not likely.-wd) Turning to July's WUD, thanks, Bill, for clarifying my 5/27 reception of KGFE-2 Grand Forks ND and KME-3 Bismarck ND. For the record, I'd like to revise the mileages of these two stations: KGFE-2 should be 1220 mi. and KME-3 is 1370 mi. from Poughkeepsie.



Eastern TV-DX

June 1985
23 Es 2300 KMTV-3 NE 1140
Tr 2330 WSTN-3 NY 155
July 1985
5 Tr 0700 WPHL-17 PA 135
0715 unid-67; SE
6 Tr 0650 WPHL-17 PA 135
color bars w/ tone
0700 unid-22; SW
8 Tr 0715 WNEP-16 NY 195
Es 1430 WDSU-6 LA 1210
1500 WNCN-5 TN 975

Frye; continued---

July 1985
8 Es 1730 unid-2; W
PBS
1730-1800 KJRH-2
OK 1240
1915-1930 KNSA-5
NE 1270
"MTV"-4 SSW; I.D.
slide vague. Asc's
World News Tonight
seen.
12 Es 2145 KUSD-2 SD
2150 unids chs.3&5; W.

September 1985

July 1985
24 Tr 2315-2345 WNEP-16 PA
WERA-28 PA
2330 unid-26; SW
unid-44; SW
WTFB-33 PA t
WDAU-22 PA 90
WOLF-38 PA "
WLVZ-39 PA 120 t
25 Tr 0005 WPMI-43 PA 185

Equipment: 1984 Mitsubishi CS-1952 19" color TV. VHF: Winegard CH-5200 40' above ground; CD AM22XL rotor; CM 0065 Antenna Systems Amplifier; Winegard DA-203 distribution amplifier. UHF: Winegard CS-9095, 45' above ground; CM 74 77a Super Titan preamplifier; CM 9510 rotor; Duratube 1040 telescoping mast.

Ross; continued---

June 1985
29 Es 1100 WPTT-2 FL 1200
July 1985
2 Es 1259 KDFW-4 TX 1120
1301 KFDX-3 TX 1200
5 Tr 2200 CBFT-81 ON 60
7 Tr 2300 WGRZ-2 NY 120
8 Es 1540 WKMG-2 CO 1275
1555 KOTA-3 SD 1125
KPRY-4 SD 950
1900 KOET-3 OK 925
KTVI-2 MO 550
1914 KMDX-4 MO "
1910 KSTX-5 MO "

July 1985
8 Es 1917 KSNW-3 KS 925
1920 WDAF-4 KS 750
1930 KATC-2 AS 950
12 Es 1915 KNCW-2 NE 850
2055 CKND-2 MB 1025
2115 CBWT-3 NB 900
2130 KUSD-2 SD 800
2150 CKCK-2 SA 1225
2157 CFSS-3 SA 1125
2230 KXJB-4 ND 860
13 Es 1128 KJRH-2 OK 925
1316 KNOP-2 NE 1010
14 Es 1807 WLSN-2 FL 1000
Tr 1809 WGRZ-2 NY 120

July 1985
14 Es 1821 WPTT-2 FL 1200
Tr 1825 CIII-6 ON 60
1828 WJXT-4 FL 875
15 Es 1111 WPRY-4 SD 950
1115 KIVV-5 SD 1125
1150 KPIO-6 SD 925
2238 CFSS-3 SA 1125
18 Tr 1850 WWSW-5 OH 100
19 Tr 0645 WTTT-28 OH 225
0750 WOAC-67 OH 200
20 Es 1333 WESH-2 FL 1000
Equipment: Toshiba 12" TV, Flying Arrow UHF whip VHF.

John F. Combs; 2831 Selma, Jacksonville FL 32205 EDT

June 1985
22 Es 1832 time in
2156 CKO2-2 ON
23 Tr 0517 WSB-2 GA t
WCSC-5 SC 204
WSOC-9 NC 347
WCCB-18 NC "
WLTZ-19 SC 262
0525 WGBD-2 SC 202
0530 WECT-6 NC 335
0537 WGGG-16 SC 323
(I.D. 3/4 c.b.--rare next to local ch.17)
0539 WRET-36 NC 347
0549 WHNS-21 NC 370
0600 WSPA-7 SC 338
WIS-10 SC 270
0609 WOIO-25 SC 263
(I.D. 3/4 c.b.)
0610 WLTZ-38 GA 240
0646 WRNK-35 SC 267
WNEA-38 SC 238
WNET-49 SC 317
0658 WTVN-9 GA 229
Es 0942 noted; no time..
1245-1330 noted; no I.D.s
Tr 2255 Many SC U's again
24 Tr 0554+ same as 23rd
26 Es 0947-0955 unid ch.2.
27 Es 1159 noted; no time..
29 Es 1935 time in
1944 H----2 DR 1100
Santo Domingo

June 1985
29 Es continued---
(Dubbed movie; 1957 lg "TA" logo w/"Cantales 2 y 13"; sports highlights, then into another movie). "Tele-Antillas"
1948 HISS-5 DR t (strong Ø csi to WUFT)
2100 antennas disconnected due to severe lightning storm.
30 Es 1229 time in
1328 KJRH-2 OK 925
1330 KSNW-3 KS 1040
1336 KSNW-2 KS 1121
(2 // 3 but ads different)
1455 WTVN-3 MO 800
(still "KY-3" I.D.)
July 1985
1 Tr 0745 WJAF-6 GA(SC) 214
Es 0913 noted; not time..
2 Tr 0819 WIS-10 SC 270
WOIO-25 SC 263
WJAX-27 SC 281
1231 noted; no time
1530 time in
1533 KNID-2 TX 1221
1559 KOET-3 OK 860
1607 KJRH-2 OK 925
3 Tr 1725 WJKA-26 NC 335

July 1985
4 Tr 0758 WAGT-26 SC 215
WEBA-14 SC 200
0813 WAGT-41 GA 202
WGXA-24 GA 201
0826 WATL-36 GA 288
0851 WTVX-34 FL 234
0859 WNEH-38 SC 238
0900 WOIO-25 SC 263
5 Tr 0550 SC U's
6 Tr 0620 WIS-10 SC 270
0650 WAGT-26 SC 215
WEBA-14 SC 200
0730 WJKA-27 SC 261
1644 WIS-10 again
7 Tr 0626 WITV-7 SC 204
0632 WFLX-29 FL 272
0734 W29AB FL 77
Es 1212-1300 no I.D.
8 Es 1225 KDKA-2 PA 710
1227 CKVR-3 ON t
WGBH-2 MA t
WGRZ-2 NY 875
1253 WTVN-5 NY 927
1254 WSTM-3 NY t
1316 WRGB-6 NY t
1323 CBHT-5 ON 930
1334 CBFT-6 PA 1138
1503 CICI-5 ON 1120
2348 WJKA-26 NC 335
9 Es 1041-1053 no I.D.'s
1313 XEPE-2 NL 1220
1317 KTTX-5 TX t
1335 KIII-3 TX 977

Eastern TV-DX

July 1985
10 Tr 0650 WJKA-27 SC 261
WJKA-26 NC 335
WUNJ-39 NC "
WJPM-33 SC 297
WUNM-19 NC 418
WPTF-28 NC 410
WTVX-34 FL 234
WGSE-43 SC 282
WPE-15 SC 313
1935 WJKA-26 NC 335
2100 more of the same

Combs; continued---

July 1985
10 2325 Tr WHMC-23 SC 294
WTLN-22 NC t
11 Tr 0915 SC 14,25,38
13 Es 1141 noted; no time
Tr 2124 W69AY FL 60
W29AB FL 77
14 Es 2022 noted; no time
17 Es 1014 CBFT-2 PA 1138
(Phillips TP)
1016 WGRZ-2 NY 875
1029 CKVR-3 ON 977

September 1985

July 1985
17 Es 1031 had to quit.
22 Es 0843 noted; no I.D.'s
23 Es 0900 brief; unid-2
25 Es 1125 KGAN-2 IA 1002
1128 KLINE-3 NE t
1158 KUSD-2 SD 1210
Vermillion
1253 KTVU-3 MO 898
Ottumwa IA
1300 local thunder storms; Es almost gone.

Nice to get 18 new stations in one month's time, but then I haven't been DX-ing here for long. I had called Ken Simon on 6/29 to inform him of the Es opening. He was on the phone when the Tele-Antillas I.D. came up, and confirmed it as he had seen it before. Also had an assist from Mike Reid on I.D.-ing CICI-5 on 7/8, thanks Mike. CBFT-2 was running what I believe is the Phillips TP--quite popular in Europe, but the first time I've seen it used on this continent. The TP had Montreal and SRC/CBC on it. Hope WJXT's impending move to a new tower about 5 miles more distant will make things a bit easier to live with on low band. They are less than 3 miles away right now and really gum up the works, even with a ch.4 trap installed. I tend to use a little 5" receiver ("no-name" brand) during Es as it seems to be a bit more selective than the Sears 12". Hope to raise the antennas 6 or 7 ft. before Fall tropo. By the way, all 3 Canadians logged on 7/8 were running U.S. soaps--whatever happened to those "Canadian Content" rules??

Equipment: 5' UHF dish at 26.5' AG, large VHF log or uncertain pedigree at 20', Sears 12" b&w receiver, "no-name" 5" b&w receiver, basic Radio Shack RG 59-U coax, Microwave Filter Co. "Fastrap" for ch.4, Radio Shack FM trap, bargain basement rotor.

Frank Merrill; P.O. Box 7207, Toledo OH 43615 EDT-CDT

May 1985
20 Es 2046 KNID-2 TX
2100 KTVS-3 CO
June 1985
7 Es 1500 KGST-4 TX
KRGV-5 TX
KRIS-6 TX
zero offset
23 Es 1200 WCIX-6 FL
1202 WESH-2 FL
1206 WFTV-5 FL
1230 WUFT-5 FL
1306 WCPX-6 FL t
1815 WGBH-2 MA
Tr 1858 WOIO-19 OH

June 1985
9 Tr 0038 KARD-14 LA t
0039 KSPR-33 MO
WGRB-34 KY
snowfree
0040 WEVV-44 IN
over WELW
KLRT-16 AR 670
0045 WDDD-27 IL (new WTWT)
snowfree
0136-0425 WHIN-9 IN
ran TP all night
0154 KTFP-29 AR
0156 KPBS-40 AR 740
part of s/off // to KTFP-29.
1903 KXMA-2 ND
(ex-KNDX, KDIX)
1500 KRMA-6 CO
1515 KTW-2 WY
1653 WESH-2 FL
1700 WEDU-3 FL
1755 CM---3 Cuba
("6" net)
CM---6 Cuba
("6" net)
1800 WTVJ-4 FL
1801 WPTV-5 FL
Tr 2200 WFTL-14 IN
WKMA-35 KY
WZTV-17 TN
WKGB-53 KY
WKMJ-68 KY
WUSI-16 IL
KFFS-12 MO
2000 WEDU-3 FL
7 Es 1330 WLSZ-2 ME
1345 CHAU-5 PA
---3 PA
// to CHAU-5
1430 KSDX-3 TX

Back in Toledo:

25 Es 1330 KNID-2 TX
1400 KSNW-3 KS
From Merrimac WI on rabbit ears:
27 Es 1222 KMMZ-2 NM
1240 CFPM-4 PA
1246 CKCW-2 NB t

Back in Toledo; June '85

1 Es 2011 KNID-2 TX
2023 KENW-3 NM
2050 KIII-3 TX
2 Es 1220 KMMZ-2 NM
1455 KTW-2 WY
1920 WEAR-3 FL
2000 WEDU-3 FL
7 Es 1330 WLSZ-2 ME
1345 CHAU-5 PA
---3 PA
// to CHAU-5
1430 KSDX-3 TX

1903 KXMA-2 ND
(ex-KNDX, KDIX)
1500 KRMA-6 CO
1515 KTW-2 WY
1653 WESH-2 FL
1700 WEDU-3 FL
1755 CM---3 Cuba
("6" net)
CM---6 Cuba
("6" net)
1800 WTVJ-4 FL
1801 WPTV-5 FL
Tr 2200 WFTL-14 IN
WKMA-35 KY
WZTV-17 TN
WKGB-53 KY
WKMJ-68 KY
WUSI-16 IL
KFFS-12 MO
2000 WEDU-3 FL
7 Es 1330 WLSZ-2 ME
1345 CHAU-5 PA
---3 PA
// to CHAU-5
1430 KSDX-3 TX

0206 KARD-14 LA 810
0210 WSIL-3 IL
0211 WPTY-24 TN
0215 KESI-23 MO
0230 WCAY-30 TN
0235 WKRW-30 TN
0250 WHNS-21 NC
0316 WTVJ-4 FL
0412 WLCN-19 KY 370
0410 KTRK-13 TX t
light cci against WHI-
E-13; faded soon.
10 Es 1601 KIII-3 TX
1602 KPRC-2 TX
1630 KJAC-4 TX
1631 KRGV-5 TX
1657 KRIS-6 TX
1728 KFDW-6 TX
1731 AGST-4 TX
1918 KSTX-3 TX
2254 XEJ-5 CHI t

Eastern TV-DK

June 1985

10 Es 2254 KJBC-4 TX  
2300 KAMW-3 NM  
KAMID-2 TX

11 Tr 0211 WEPB-45 MD  
Es 1200 KFDX-3 TX  
KPRC-2 TX  
KCPA-2 CHI

12 Es 2056 KETV-3 NE  
2100 KETV-3 NE

13 Es 1228 KETA-3 TX  
1300 KPRC-2 TX

14 Es 1230 KALB-5 LA  
1300 KCLW-6 TX  
KXAS-5 TX  
1305 KDFW-4 TX  
1330 KLDY-6 TX  
1400 KFDX-3 TX  
1420 KTAT-5 TX  
1430 KJRH-2 OK  
1502 KSNW-2 KS  
1531 KLEY-4 KS  
1534 --?--4  
"NVT network"  
2030 CKBY-2 SA  
15 Es 1000 KFDX-3 TX  
KMID-2 TX

16 Es 1430 KMMZ-2 NM  
2312 KAMID-2 TX

17 Es 1252 KMID-2 TX t  
Tr 2350 WFTS-14 IN  
KQVS-12 MO  
18 Tr 0000 WBAK-38 IN  
strong!  
WICS-20 IL  
0030 KPOB-15 MO  
ABC logo; then "KPOB-15"  
I.D. visible on WANE.  
0055 KQVS-12 MO  
WTHR-13 IN  
over WTVG.  
0058 WDDD-27 IL  
(now WDET-wd)  
over W27AA.  
0101 KNDL-30 MO  
0125 Evansville U's  
0130 KHSI-23 MO  
0230 Nashville U's  
Es 1800 KOTA-3 SD  
KEME-3 ND  
KXMA-2 ND  
1830 KRYR-5 ND  
1922 KTVQ-2 MT  
1946 KOUS-4 MT  
2000 KYUS-3 MT  
19 Es 1228 KWGN-2 CO  
1230 KDUH-4 NE  
1259 KYUS-3 MT  
1434 KTWO-2 TX  
1600 KAMID-2-2 MB  
1632 KWBZ-2 NE  
announcing all night  
movies.  
1730 KWGN-2 CO  
1930 KJBC-4 CO  
1940 KQVS-3 CO  
News story about a cap  
collector. Flashed a cap  
from Toledo's FOOD  
TOWN!

Merrill; continued---

June 1985

19 Es 1959 KCWC-4 WY  
2006 KOWY-5 WY  
Report from "CBS-14"  
(KCWY).  
2017 KOTA-3 SD  
2029 CKND-2-2 MB  
2035 KIVV-5 SD  
2049 CKCK-2 SA  
2100 CKBY-2 SA  
20 Es 1300 KENW-3 NM  
1315 KMMZ-2 NM  
1316 KTVG-6 KS  
1326 KAMR-4 TX  
1359 KNME-5 NM  
21 Es 1332 KPRC-2 TX  
2058 KWSE-4 ND  
2100 KXMA-2 ND  
KOUS-4 MT  
2130 KDUH-4 NE  
2200 KTWO-2 WY  
2226 CKBI-5 SA  
2306 CKOS-5 SA  
CFSS-3 SA  
2318 CKCK-2 SA  
22 Es 1333 KMID-2 TX  
1458 KLEY-4 KS  
KWGN-2 CO  
1500 KHAS-5 NE  
KOAA-5 CO  
KLNE-3 NE  
KRMA-6 CO  
1529 KTVS-3 CO  
1602 KYCU-5 WY  
1730 KWSE-4 ND  
1832 WBRZ-2 LA  
2000 KPRC-2 TX  
unid-2;  
French; from E.  
2100 KJRH-2 OK  
KFDX-3 TX  
KTVY-4 OK  
2300 KGFE-2 ND  
KDUH-4 NE  
23 Es 2326 CKCK-2 SA  
0006 CFSS-3 SA  
Tr 0140 W32-- IN  
(Muncie; snowfree)  
0530-0630 WV U's;  
Toronto U's strong  
0637 W41AA WV  
(xlting WJLT)  
Es 1100 CBWT-6 MB  
KWSE-4 ND  
CKND-2-2 MB  
1108 CFSS-3 SA  
CKOS-5 SA  
1117 CFSS-6 SA  
1130 Boston 2,4,5.  
1200 CKCK-2 SA  
1216 KIII-3 TX  
1325 WBRZ-2 LA  
1334 NJAC-4 TX  
1435 KEAS-5 TX  
2032 KAMR-4 TX  
2100 KOAA-5 CO  
CKBI-5 SA  
2124 KWGN-2 CO  
2136 KYCU-5 WY

September 1985

June 1985

23 Es 2201 KTWO-2 WY  
2300 WEAR-3 FL  
2301 KPRC-2 TX  
24 Es 1400 KIII-3 TX  
1402 KXFB-2 NJ  
One of the neatest I.D.'s  
Aerial view of Monterrey  
with intermittent 2's com-  
ing forward...wish I had  
VCR. (me too-wd)  
1605 KMID-2 TX  
1801 WLEB-2 ME  
1802 CJCB-4 NS  
1830 WGBE-2 MA  
1922 KAMR-4 TX  
1931 KSNW-3 KS  
1954 KSNW-2 KS  
25 Es 1715 KMMZ-2 NM  
28 Es 1027 KTWO-2 WY  
1032 WEAR-3 FL  
1100 KENW-3 NM  
KNOP-2 NE  
1127 KAVE-6 NM  
KXBJ-5 CHI  
1150 Briefly saw 3/4  
c.b. with KNBC I.D., but  
I suspect an NBC snafu,  
not Californial!  
1200 KAMR-4 TX  
2101 KWGN-2 CO  
30 Es 1300 WFBT-2 FL  
WTVJ-4 FL  
CM---3 Cuba  
"6" net.  
WPTV-5 FL  
1319 WCIX-6 FL  
1820 WJMK-2(local)  
had ad for golf and pro  
shop in Saskatoon SA!  
Apparently for Canadian  
CATV dish watchers!

July 1985

1 Es 1230 KJRH-2 OK  
KFDX-3 TX  
KTVY-4 OK  
2 Es 1230 KJRH-2 OK  
KFDX-3 TX  
KAUZ-6 TX  
1300 KDFW-4 TX  
KTXN-5 TX  
KOTV-6 OK  
(KOTV I.D.'s as RM 87.7!)

1400 KTAJ-6 LA  
1500 KAMR-4 TX  
KTXN-5 TX  
KPRC-2 TX  
1536 KYCU-5 WY  
1605 KSNW-3 KS  
KSNW-2 KS  
2000 KNOP-2 NE  
KTVS-3 CO  
2057 CJCB-4 NS  
CJCB-1-6 NS  
2100 KPRC-2 TX  
KIII-3 TX  
KETA-3 TX  
2115 WBRZ-2 LA  
2130 KRGV-5 TX

Eastern TV-DK

7 Es 2030 KMMZ-3 NM

2032 KMMZ-2 NM

8 Es 1230 WFBT-2 FL

CM---3 Cuba

"6" net

1300 WTVJ-4 FL

KACB-3 TX

1315 KFDX-3 TX

KWGN-2 CO

1330 KSNW-2 KS

KTVS-3 CO

KTVY-4 OK

10 Es 1908 KWGN-2 CO

12 Tr 0500-0620 WENG-42 AL

WGRB-34 KY

snowfree

Nashville U's

13 Es 1100 KJRH-2 OK

KFDX-3 TX

KOCO-5 OK

1232 KWGN-2 CO

Merrill; continued---

July 1985

14 Es 1900 WESH-2 FL

17 Es 1120 KMID-2 TX

1128 KEAS-5 TX

Tr 2040-2110 KQVS-12 MO

WZTV-17 TN

WKSO-29 KY

2200 WKMA-35 KY

WAPT-16 MS

2300 WWSB-27 MS

2348 WDBD-40 MS

WMAV-18 MS

"WVSB, TV-27 West Point"

2348 WDBD-40 MS

"..on Jackson's movie sta-  
tion WDBD.."

18 Tr 0002 WKPT-19 TN

WGRB-34 KY

0134 KSPR-33 MO

KSNF-16 MO

September 1985

July 1985

18 Tr 0150 KNDL-30 MO

WCAV-30 TN

0200 KARD-14 LA

810 stayed past

08001

2312 W55AS WI(WCIU)

W15aukee

"..action 26"

under WFFT.

19 Tr 0330 WTVS-51 PA

WDCA-20 DC

30 Es 1800-2100

KMID-2 TX

KMMZ-2 NM

KWGN-2 CO

KCNW-4 CO

KAMR-4 TX

KENW-3 NM

KNME-5, KOB-4 NM

Some very interesting openings this year! I again credit my lower low band yagi with making KXPM-2 possible, and with that earlier WCAV-3. I consider it "paid for"! It looks like KMID/KPRC-2 (10 times each) and KFDX-3 (8 times) were the most common Es here this season, but it was rather strange how I went 10 years or so without seeing KJRH-2 and this year it was common! The KPOB-15 catch was strange, as around midnight I started noticing "flutter" against WANE from the proper direction, but Jeff Kadet didn't think that KPOB could ever get up here (nor did I), and around I.D. time it was nearly atop WANE. WANE's audio, however, never did yield. You may have noticed a 19 day string of DX (June 7-25, which I'm sure is a record for me, and I doubt that I will ever break that. What is the longest string of consecutive DX days that anybody has been known to have? (You got me.-wd) Ironically the string broke on June 26, one of the "definitive dates" for Es. I have a suggestion for those people who have the DX "blahs" because new catches are so few and far between. Why not keep two logs? The first log would be a cumulative one of all your DX to date. The second log would be a year to date log, where you would start from scratch on January 1, and log stuff, starting with your locals, as though you were a brand new DXer. You could compete with yourself and try to beat your previous best "year" totals. You would be in a better position, too, to really be able to compare the quality of different DX seasons, and it would answer a lot of questions as to "how good a year was it, really?" Of course this needs lots of extra paper work, though, and because I am so busy with many other things, I haven't given this approach any real consideration. Oh yes, this should be my final DX report from Ohio. I'll soon be in Macomb IL but it will take a while to settle in! I'm taking van load #1 to Macomb late today (7/31) and my antennas are supposed to come down 8/3, so my final totals are as follows: I DXed in Michigan from 1962-1969. Grand total for Ohio only is 717; Ohio + Michigan 746. Trops: 559 and 580 respectively. Es: 157 and 166. Ms: 5 and 11. Au: 0 and 0. Best UHF channel total: Ch. 19, with 15 stations. Farthest Tr: KRIV-26, KHTV-39 both 1070 mi. Farthest Es: XLY-3 Merida Yucatan 1550 mi. Shortest Es: WUNC-4 510 mi., KDAL -3 500 mi. (never logged latter in Ohio). Highest channel total: Channel 3 with 57 and 59 stations respectively. So, Macomb will involve starting from ground zero. It's always possible I'll eventually add the coming Toledo ch. 36 to the above, on a future visit.

Robert Seytold; Bennett Road, Dunkirk NY

Long time since I sent in a report. Was rather inactive in winter and early spring months as far as logging DX. Did get in on a couple of winter openings (trops) and did see some Es. Did log WVUT-22 after many years of trying. Did see Es in May and June but did not log it. Saw no new ones except on tropes. It has been a rather poor Es season in my opinion. (why; didn't you see the West Coast or South America like you usually manage to do?..). New on tropes include WSMN-66, WAP-49, WOLF-38, WLIQ-55, WJTV-66, WRGT-45. Recent DX:

July 18; tropes-good Lexington U's, Columbus U's, Dayton U's, WTAJ-15, WKMR-38, WKPC-15, WLKY-32, WDRB-41, WRYZ-39, WPEB-42, WDCV-20, WFTY-50, WNUV-54, WITF-33, Syracuse & Utica U's, CBLFT-15, WOUU-44, WTLW-44, WBGU-57, WSPJ-51, WKON-52, Ft. Wayne & S. Bend U's, WLEI-18, WCMU-14, WVAH-23, WKMI-17 and








**Eastern TV-DX**

Seybold; continued---

September 1985

others. July 19- tropes WCFC-38, WBAK-38, WLEX-18, WKYT-27, WTVU-36, W36AB, WWPB-31, WTAP-15, WLYH-15, WPTF-28, WAFB-48, WKMR-38, WITF-33, WHP-21, WTPA-27, WPMF-43, WGET-48, WCIU-26, WCFB-38, WSNB-44, WBBB-60, WHTI-27, WNTV-15, WKOW-27, WKGZ-32, KDUB-40, WUSI-16, WICD-15, KDNL-30, WKOI-43, CICO-20. July 20-Es chs.2&3 only; afternoon opening. Troops open in afternoon also, rather unusual; WTVK-26, WCAY-30, WBYZ-39, Pittsburgh V's & U's super, WSWP-9 (rare), WBAK-38, WKMR-38, WZTV-17, WCHS-8, WVAH-23, WPEY-33, WTAP-15, WLEX-18, WKYT-27, WTVU-36, WITE-28, WOSU-34, WRGT-45, WPTD-16, WKEF-22, WNTT-34, WNDU-16, WFUM-28, WSMH-66, WLF1-18, WDLI-17, WOAC-67, WCFC-38, WUHQ-41, WSPJ-51, WANE-15, WKJG-33, WFFT-55, WCMU-14, WUCM-19. July 21 Tr A.M.-WCMU-14, WGVK-52 WTAP-15, WNDU-16, WPTD-16, WANE-15, WDLI-17, WOAC-67, WHIZ-18, WUCM-19, Detroit U's super, WPGH-53, and other Pittsburgh U's; WOUC-44, WUHQ-41, WCFC-38, WOSU-34, WBGU-57, WFFT-55, WTVV-18, WEYI-25, WAQP-49, WKAR-23, WSYX-47, W67AJ (WLNS), WFUM-28, WSMH-66. July 26 Tr A.M.-Chicago U's(all), WTVV-18, WGVK-52 WGVG-35, WUHQ-41 WCGV-24, WSYM-47, WKMI-17, WUCM-19, WKAR-23, WEYI-25, WFUM-28, WHTI-31, Ft. Wayne U's, WNDU-16, WSET-22, WNTT-34, WSJV-28; P.M.- WTJC-26, WNEO-45, WRGT-45, WOUC-44, WPEO-42, WHIZ-18, WPTD-16, WKEF-22, WDLI-17, WBAK-38, WKMR-38, WTAP-15, W41AA, WPAT-19, Pittsburgh U's good in evening also, July 28 Tr- WNDU-16, WNTT-34, Ft. Wayne U's, WCGN-52, WKON-52, WOUC-44, W27-- (Lima), WTLW-44, WBGU-57, WVAH-23, WPTD-16, WKEF-22, WITE-28, WOSU-34. July 29 Tr A.M.-good; WCMU-14, WUCM-19, Chicago U's, WLF1-18, WHIZ-18, WICD-15, WAND-17, WPHL-23, WNDU-16, WSET-22, WSJV-28, WNTT-34, WANE-15, WPTA-21, WKJG-33, WFFT-55, WKMI-17, WGVG-35, W27-- (Lima-Bowling Green), WBGU-57, WTLW-44, WOUC-44, WNEO-45, WDLI-17, WOAC-67, WUHQ-41, WAP-49, WSMH-66, WHTI-31, WEYI-25, WKAR-23, WBAK-38, WPTS-59, WITE-28, WOSU-34, WGGV-52, + others. July 30 evening tropes - WPTD-14(rare), WPTD-16, WKON-52, WKEF-22, WTVU-36, W36AB, WKMR-38, WPEO-42, WCAY-30, WVAH-23, WLYH-15, WITF-33, WCCA-20, WPTF-28, WGET-48, WITE-28, WOSU-34, WSPJ-51, WTJC-26, WCGN-52, WOUC-44, WNEO-45, Lima U's, WTAP 15, WDLI-17, WOAC-67; A.M. tropes-WHEB-40, WPTS-59 good; WKOI-43, Ft. Wayne & South Bend U's, WCFC-38, WITE-28, WOSU-34 + others. A.M. tropes- Michigan U's super; WGVK-52(rare), Ft. Wayne U's super; WNDU-16, WNTT-34, WHEB-46, WITE-28, WOSU-34, WHIZ-18, WPTD-16, WKEF-22, WOUC-44, WNEO-45, WSPJ-51, WBGU-57. That is about it for this report. Expecting good amount of tropes in next 60 days.

**WORLDWIDE TV-FM DX ASSOC.**

 <p><b>WANE-TV 15</b></p> <p>Indiana Broadcasting Corporation 2915 West State Boulevard Fort Wayne, Indiana 46808</p>	 <p><b>WIFR TV 23</b></p> <p>P.O. BOX 239 ROCKFORD, ILLINOIS 61105</p>
 <p><b>WVTV 13</b></p> <p>television channel 13 P.O. BOX 1878 Mishawaka, WI. 53001</p>	 <p><b>WVTV 13</b></p> <p>Ziff-Davis Broadcasting Company P.O. Box 3265, Saginaw, Michigan 48605</p>  <p>TV LOGOS from RICHARD EDDIE ST. LOUIS, MO.</p>
 <p><b>WKPT-TV 19 abc</b></p> <p>— 222 COMMERCE STREET • KINGSFORD, TENNESSEE 37640 —</p>	 <p><b>WBAK-TV 38</b></p> <p>BOX 719 TERRE HAUTE, IND. 47808</p> <p>SERVING TERRE HAUTE WITH 2.3 MILLION WATTS</p>



**QSL CORNER**



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

TV QSL's

- FL WXFL 8 Tampa, 905 E. Jackson St., zip 33602. Prepared post card signed by Patrick McLaughlin, CE. Also send bumper-sticker, coverage-map & a free T-shirt with "The Spirit of Tampa Bay, 8 WXFL" reply in 8 days. Van Horn
- WTSP 10 St. Petersburg, 11450 Gandy Blvd., P. O. Box 10,000 zip 33733. Letter from John F. Winter, Asst. Dir. of Eng. Also send back my prepared card signed, coverage-map & promotional pin in 6 days. Van Horn
- WINK 11 Ft. Meyers, P. O. Box 1060, 2824 Palm Beach Blvd. zip 33902. Prepared card signed by Program-Research Director who's name I can't make out. Also send coverage-map in 9 days. Van Horn
- WFLX 29 West Palm Beach, 4130 Blue Heron Blvd. zip 33404. Send prepared card signed by Angelo Figurella, CE in 9 days. Van Horn \*\*\*
- GA WSAV 3 Savannah, P. O. Box 2429, zip 31402. Send my prepared card signed Byron Strong, CE in 6 days \*\*
- WI WBAY 2 Green Bay, 115 S. Jefferson St, zip not given. QSL Card signed by Joseph A. Taylor, CE, W9JO in 7 days. Van Horn
- SC WEBA 14 Allendale % Rt. # 1, Box 47, zip 29812. Send my prepared card signed by Charles E. Cortez, CE, WA4FGF in 8 days. Card send with a blank letterhead paper (maybe he wants me to type it in (hi!)) Van Horn
- MB CKND 2 Minnedosa, % 603 St. Marys Rd., P. O. Box 60, Winnipeg, MB zip R2M 4A5. Letter from Robert C. Hall, CE in 1 week. Ross
- NF CJCN 4 Rattling Brook, % NTV, 446 Logy Bay Rd., Box 2020, St. John's, zip A2C 5S2. Letter from Scott Gibson, Eng. in 3 weeks. Ross
- NS CJCH 5 Halifax, ATV, 2885 Robie St., zip B3J 2Z4. Letter from Wallace Robert, Eng. in 3 weeks. Ross
- ND KXJB 4 Fargo, Box 2926, zip 58108. Letter from Arvid Sonsteli, CE in 2 weeks. Ross
- OH WOIO 19 Cleveland, 2720 Van Aken Blvd. zip 44120. Letter from Bob Thurber, jr. CE. Ross
- SD KDLO 3 Garden City, % KELO-TV, Sioux Falls, zip 57102. Lette from Marge Artus, Eng. Secr. (same name on my qsl, ed.) in 2 weeks. Ross
- VA WNVG 56 Fairfax, % 8101 Lee Hwy., Falls Church, zip 2204 Send my prepared card & decal in 1 month. Holbrook
- NC WCCB 18 Charlotte, 1 TV Place, zip 28205. Letter from Steward Albert, CE in 3 weeks with movie schedule Batstow

Reporters this time are Larry Van Horn of Orange Park, FL who is a new member with some QSL's since moving from Dallas, TX ; Robert S. Ross of London, ONT and from Hank Holbrook of Chevy Chase, MD. Larry is the editor of RCMA 'Space Communications' & editor of 'Signals from Space' in Monitoring Times. He ask what is my deadline. Just send in anytime, as I need items to type up as I'm always running low since I always get the same reporters as it seems. 73's and keep DX'ing & QSL'ing! Tom J.

# WESTERN TV-DX

Fred McCormack  
Box 5221  
State University Sta.  
Fargo, ND 58105

September 1985

Deadline: 10-4-85

This month's reports witness a decline in the amount of E skip and a continuation of some nice tropo openings, although nothing of the 1000 mile variety.

Due to time conflicts, I will be unable to prepare Western TV DX for the month of October. Any reports received here by October 4 will be used in the November column. It should be sizable.

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

CH - Chihuahua HD - Hidalgo PU - Puebla  
DF - Distrito Federal NL - Nuevo Leon TA - Tamaulipas

Paul Swearingen, P.O. Box 4812, Panorama City, CA 91412

E-Skip is hard to come by in the eastern end of the San Fernando Valley (within a stone's throw of the Burbank Airport). so I've had to depend upon "smog enhancement" plus some new equipment to log any DX.

I've added a Winegard antenna plus amplifier and a Sanyo 4670 VCR to my Montgomery Ward 63-123494 13" TV (actually built by Toyomenka in their Orion factory with Panasonic parts; I recommend it and it's successors, 63-12387, 63-12396, and 19" 63-12966 and 20" 63-12865 very highly for DX'ing. They all have monitor capabilities, plus remote control, etc. Yes, I DO work for Montgomery Ward; guess which department, hi!).

Although I have severe horizon blockage here in almost all directions, I do have a straight shot at Tijuana directly southeast and 6, 12, and 33 (XHAS-TV) are regulars, as are the San Diego channels including new KTTY-69. KAGL-30 is off and running again, mostly with religion and that mostly Dr. Gene Scott, whose KHOF-TV was forced to vacate channel 30 a couple of years ago.

I've recorded a total of 25 legal ID's on the VCR; I have it hooked up so I can tape directly from the TV's composite output (audio and video) into the VCR, which has only potentiometer tuning, not quartz-lock. That way, I can flip back and forth between channels when recording, especially useful when I'm trying to capture a translator, to show what the original is like.

I've had transitory E-Skip both here and at the store (which uses ancient Blonder-Tongue amplifiers for each local channel) on channels 2 and 3, but never enough to identify. 73,

\*\*\*\*\* (Welcome to the column, Paul. Keep us informed on any DX that makes it through. fm)

Jim Pizzi, P.O. Box 1778, Lovington, NM 88260 (505)-396-3251

MDT

Equipment: Tri-Ex MW-65' Tower - @ 65', 10 element Antennacraft (hor) into Akai AT-VO4 and JVC VT700 with Jerrrod FM de-snowers; @ 68', Finco P-7 UHF dish with Eu-4s preamp into Sony 8" b&w or Motorola 19" color; @ 72', Winegard CH-7023 (10 elements, chs 7-13) with Winegard AC-9730 preamp into Motorola 19" color. 35 Foot Tower - @ 35', Winegard CH-4054 with Winegard A-215 in house tube amp into Motorola 19" color; @ 38', CM 4250 6' UHF with Eu-4s preamp into 12" Emerson b&w. 20', 10 element channel 2 with Winegard AC-9260 preamp (channels 2-6); 35', CM-1110 with Winegard AC-9990 preamp on 20' push up on garage roof; Channel 2 and FM vertical on 20' push up; Winegard CH-4054 on 10' mast; 25', 10 element Antennacraft FM (vert) into JVC VT900; 13', Winegard CH-4052 with Winegard AC-9260 preamp (chs 2-6).

June 1985		23 Es 2147	WDTN 2 OH 1152	27 Es 1820	unids ch 2 ne
22 Es 0745	unids chs 2-4 ne	25 Es 1820	unids chs 2,3 ne	2129	KUSD 2 SD 761
1825	unids chs 2-4	26 Es 1430	XEW 2 DF 960	2138	KDLOT 3 SD
23 Es 1000	CKPR 2 ON 1260	1459	XHP 3 PU 985		(20 kHz - KENW)
1330	WFMV 2 NC 1380	1500	%unid ch 4 Mexico	2143	KBJRT 6 MN
1930	WTWO 2 IN 981		(Full color bar)	2151	KDLTt 5 SD
2000	WKZO 3 MI 1148	27 Es 0730	XEW 2 DF 960		(20 kHz - KXTX)
2033	WBAY 2 WI 1125	0800	WJXT 4 FL 1300	2152	CKX t 5 MB CBC
	KGAN 2 IA 878	0830	WESH 2 FL 1346		(0 kHz to above)

Western TV DX

September 1985

Jim Pizzi (continued)	5 tr 0750	K61##	61 sw OK?	11 tr 0749	K3OAE 30 OK 370
	(Unknown	KOKH-25)		(Alva	KETA-13)
27 Es 2200	KTCA 2 MN 968	Es 0838	KCBS 2 CA 855	0755	KMTC 27 MO 650
2319	unid ch 2 Mexico		KEYT 3 CA 945	0831	unid 17 ne NBC
28 Es 0800	unids chs 2-4 nne	0843	KNBC 4 CA 855		(Is KDOR-17 on?)
0830	WDTN 2 OH 1152	7 Es 0915	unids chs 2-5 ne	12 tr 0815	KSNF 16 MO 576
1915	unid ch 2 ne ABC	1100	KUSD 2 SD 761		KPOM 24 AR 564
2100	KTIV 4 IA 747		KDLT 5 SD 788	0840	KHBS 40 AR 526
2123	KFBF 5 MT 1062	1900	WCTA 3 IL 959	Es 0840	unid ch 2 ne
2126	KRTVt 3 MT +kHz	2003	KDKA 2 PA 1373	tr 0841	unid 17 ne NBC
2130	KXMA 2 ND 936		(Again at 2115)		(Not KCEB. Same
	("KX2" & "KX12")	2100	WKYC 3 OH 1310		as 7/11 logging)
2200	KBCI 2 ID 990	2101	WIVB 4 NY 1463	13 Es 0730	WDTV 5 WV 1328
	und 2 CBC SA/AL?	2102	WJBR 2 MI 1260	0800	WTVT 4 IN 1059
2204	KLEWt 3 ID -kHz	2104	WCMH 4 OH 1215		WLWT 5 OH 1125
30 Es 0940	unids chs 2,3 ne	2109	WAVE 3 KY 1049	0830	WDTN 2 OH 1152
1000	KCRA 3 CA 1071	2112	WBEM 2 IL 1040		KDKA 2 PA 1373
1100	KRON 4 CA 1116	2116	WDTN 2 OH 1152		KTVI 2 MO 824
	KPIX 5 CA 1116	2131	unid channel 5	0832	XHIHt 5 HD? XEW
	KVVU 5 NV 698	( Prob. WEMS or WLWT )		14 Es 0915-1030	unids 2,3 ne
	(Under KPIX)	2132	WTAE 4 PA 1373	1030	WTWO 2 IN 981
		2159	WDTV 4 MI 1260	1045	WMAB 2 MS 828
July 1985		8 Es 0814	WBAY 2 WI 1125	1932	unid ch 2 e PBS
		0830	KTCA 2 MN 968	2000	WSJK 2 TN 1170
2 Es 1830-2000	unids 2-6	2101	CKTV 2 SA 1188	0725	unid ch 2 ne
	(East & northeast)	2130	CKRE 6 ND 1035	0800	unid ch 2 Mexico
2000	WTTV 4 IN 1059	2146	CKND 2 MB 1184	17 Es 1001	unids chs 2-6
2000	WUNct 4 NC PBS	2205	CKX 5 MB	1040	KGFE 2 ND 1058
2100	WDIQ 2 AL 1008	2304	CKOS 5 SA 1238		KSRN 6 ND 1035
2130	WDTN 2 OH 1152	10 Es 1701	KGAN 2 IA 878	1118	KGRE 2 IA 878
2223	KTVU 2 CA 1116		WBAY 2 WI 1125	20 Es 0758	unid ch 2 ne PTL
2224	KRONt 4 CA	1709	WFRV 5 WI 1125	0800	KDKA 2 PA 1373
	KPIXT 5 CA	1758	WJBR 2 MI 1260	0830	WSJK 2 TN 1170
3 Es 0047	KTVQ 2 MT 900	11 tr 0725	KTVY 4 OK 380		WSIL 3 IL 887
1100	KTVU 2 CA 1116		KOKI 23 OK 486	22 Es 0800	WPBT 2 FL 1508
1200	KRON 4 CA 1116		KGCT 41 OK 486		WTVJ 4 FL 1508
	KPIX 5 CA 1116	0729	KTCT 47 OK 486	23 Es 0720-0725	unid ch 2 ne
4 Es 1000	WBEM 2 IL 1040	0749	KOZK 21 MO 650	1934	KTVU 2 CA 1116
1025	CKTVt 2 SA CTV		KSNF 16 MO 576	24 Es 1112	KCBS 2 CA 855

July 1985

Lots of Es this report and a few new ones too. KTCT-47 is owned by Oral Roberts University and is all religious programming. Another new translator seen on channel 61 with KOKH-25 and probably in southwestern Oklahoma. WIVB-4 was a nice surprise. Also, all the channel 5's - been looking for them awhile.

I bought two PA-4975's from R.F. Electronics. It will be awhile before I get them installed - several bird nests in both towers - I don't want to harm the young birds. That's it for now. 73's, Jim

John Ebeling, 9209 Vincent Avenue South, Bloomington, MN 55431 (Prosit, MN DX) CDT

I have been at the cabin since June 28 and have been monitoring channel 2 nearly day long each day.

June 1985		1 Es 0930	KMID 2 TX	9 Es 1000	KMID 2 TX
24 Es 1530	CJBRT 2 PQ	2 Es 0900	WCBD 2 SC	1130	KOB 4 NM
1600	KUTV 2 UT	1100	WTVY 4 AL	1315	KNAZ 2 AZ
1646	unid 2 Ontario	1330	KALB 5 LA	1330	XEW 2
1800	KNAZ 2 AZ	1430	WMAB 2 MS		(Or XEPM-2 ?)
1805	WTVY 4 AL		WCBI 4 MS	10 Es 1730	KMID 2 TX
1830	WSB 2 GA	1500	+WDIQ 2 AL	1815	KNMZ 2 NM
1900	CJFB# 2 SA	1507	WTVY 4 AL	12 Es 1234	KPRC 2 TX
1920	CFCN 4 AB	1600	WSB 2 GA	13 Es 1145	WMAB 2 MS
30 Es 1755	CKCO2 2 ON	1900	WDIQ 2 AL		(Test Pattern)
			WSB 2 GA	14 Es 1130-1200	WMAB 2 MS
		3 Es 1330	WKRn 2 TN	20 Es 1200	+WDIQ 2 AL
July 1985		7 Es 1900	KPRC 2 TX		(CB's first)
1 Es 0900	WFMV 2 NC	8 Es 1730	WRAL 5 NC	1230	unids chs 2, 4
	WRAL 5 NC	2044	KNMZ 2 NM	21 Es 1100	KPRC 2 TX
	(Early Es)	9 Es 0900	WBRZ 2 LA	1145	WBRZ 2 LA

John Ebeling (continued)

Re June 24 @ 1646 - Sudbury/North Bay weather given in English - Can not find calls nor could I read them.

Re June 24 @ 1900 - Either CJFB-1, Eastend or CJFB-2, Val Marie, Saskatchewan

Re July 4 @ 1330 - Large XEW call letters on a slide - no other ID's seen. XEPM usually superimposes ID about 1/3 way down from the top.

I had FM Es on June 23 and July 1, 2, 8, 9, and 15.

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

CDT

Equipment: 7' Finco dish, B-T CMA-Ub preamp @ 93', .750 cable. Stacked Finco high band yagis with B-T AB-3 (tube type) preamp @ 100' with RG/11 cable. Second tower, 40', with Winegard CH-4026 (lo-band) and Winegard SC713 (hi-band) yagis. Hi-band uses AB-300 preamp. Zenith 14N22 table model 23" b&w (1971) with B-T BTU-2s UHF converter (used for UHF and also the stacked hi-band yagis) and Zenith 16J20 19" b&w (early 60's) (used with antennas on 40' tower), and Panasonic 9" b&w portable.

The second half of July showed a drop in Es activity, but tropo action picked up. Today, the TR-2 rotor on my 40 foot tower stopped working. I don't know why, it's only 35 years old - hi! Anyway, rather than fool with it today, I replaced it with a not-so-old Alliance T-45 which works OK except for the indicator which doesn't indicate. That's no handicap because I can watch the antennas turn from my window - so I know which way they're pointed.

June 1985	7 tr 2220	KIII 3 TX	17 tr 2008	WKON 52 KY
27 tr 0823	WCET 48 OH 400	KPRCt 2 TX	WKIX 19 OH	WCVN 54 KY
	WIII 64 OH 400	KMOLt 4 TX	WTVQ 36 KY	WKHAT 35 KY
Es 1900	WESht 2 FL	2233 KGBtT 4 TX	2114 WKLE 46 KY	18 tr 0728
	WJXtT 4 FL	1225 WPBtT 2 FL	18 tr 0728	WGRB 34 KY
28 Es 2006	KUTvt 2 UT	1225 WEDUt 3 FL	18 tr 0728	WDRB 41 KY
	KTVxt 4 UT	WTVJt 4 FL	18 tr 0728	WTVQ 36 KY
29 Es 0915	No time to watch	WPTvt 5 FL	18 tr 0728	WKPC 15 KY
30 Es 1028	unids chs2-4 wsw	WCIX 6 FL	18 tr 0728	WKYT 27 KY
1905	KXLft 4 MT	1445 KCNC 4 CO	1915	Same as in AM +
July 1985		1600 KOUS 4 MT	1915	Same as in AM +
1 Es 0900	No time to watch	1640 WYAS 3 NC	1915	Same as in AM +
1220	WML 4 LA	1700 WCBV 2 SC	1915	Same as in AM +
	WDSU 6 LA	WCLV 4 SC	1915	Same as in AM +
1230	KBTX 3 TX	WCSC 5 SC	1915	Same as in AM +
1233	WABG 6 MS	WECT 6 NC	1915	Same as in AM +
1235	WKRG 5 AL	WUNC 4 NC	1915	Same as in AM +
1958	WESH 2 FL	1725 WRAL 5 NC	1915	Same as in AM +
	WEDU 3 FL	WFMyt 2 NC	1915	Same as in AM +
2020	WRBLt 3 GA	2145 KCWct 4 WY	1915	Same as in AM +
	WDIQ 2 AL	2215 KTVxt 4 UT	1915	Same as in AM +
2100	KIII 3 TX	KUTvt 2 UT	1915	Same as in AM +
	KBTX 3 TX	9 tr 0715	1915	Same as in AM +
2200	KPRC 2 TX	WDRB 41 KY 437	1915	Same as in AM +
	KJAC 4 TX	WTVQ .36 KY 473	1915	Same as in AM +
	KMOL 4 TX	WPBO 42 OH	1915	Same as in AM +
3 Es 1215	KREMt 2 WA	0723	1915	Same as in AM +
	KXLYt 2 WA	WXLX 19 OH 400	1915	Same as in AM +
1505	KOUS 4 MT	WCET 48 OH 400	1915	Same as in AM +
	KOLF 4 MT	WIII 64 OH 400	1915	Same as in AM +
	KYUST 3 MT	10 es 1935	1915	Same as in AM +
2200	KUTV 2 UT	unids chs 2, 3	1915	Same as in AM +
	KTVX 4 UT	12 Es 2100	1915	Same as in AM +
7 tr 0828	WGGN 52 OH	CKSAt 2 AB	1915	Same as in AM +
	Cleveland UHF's	CFACt 2 AB	1915	Same as in AM +
1920	KPRCt 2 TX	2136	1915	Same as in AM +
	KNMZt 2 NM	CBXAt2t 2 AB	1915	Same as in AM +
	KENW 3 NM	2325	1915	Same as in AM +
	KAMrt 4 TX	13 ms 1200	1915	Same as in AM +
2220	KBTX 3 TX	17 tr 0803	1915	Same as in AM +

William Draeb (continued)

July 1985

18 tr 2222	WPBY 33 WV	2111	WQGN 52 OH	25 Es AM	No time to watch
19 tr 1935	WSEE 35 PA	2155	WJBK 2 MI	26 tr 0740	W49AG 49 WI
1935	WJET 24 PA		(Over local WBAY)		(Bloomington WHLA-31)
1941	WQLN 54 PA	2204	WGBN 27 OH 420	28 Es 0800	WESht 2 FL
2038	WNEO 45 OH	2249	WBAO 49 OH 395	tr 1200	WEDUt 3 FL
					KFVS 12 MO 512
					(Over WISN)

Jeff Kadet, Box 20, Macomb, IL 61455 (309)-833-1809

CDT

Equipment: See August 1985 Western TV DX column.

June 1985	4 Es 1003	XEPM 2 CH	13 Es 1259	KTVQ 2 MT
26 tr 0700	W64AU 64 WI 250	1100	KAUT 6 AZ 1250	14 Es 1000
	(Adams STV)	1123	KVOA 4 AZ	1027
1930	KXTX 39 TX 640	1129	KENW 3 NM	1029
	KLMG 51 TX 600	1135	unid channel 5	17 Es 1015
Es 2000	KENW 3 NM	1230	KTVK 3 AZ	tr 1022
	unid ch 2 Mexico	2122	KMID 2 TX	
28 Es ?	KIII 3 TX	2159	XHRIO 2	
	KRGV 5 TX	2229	KACB 3 TX 835	
30 tr 0620	WCLQ 61 OH 475		KNAZ 2 AZ	
	WAFP 48 AL 455	8 Es 1104	KWAB 4 TX 825	
0806	WPGH 53 PA 550		(Channel 9 ID)	
	W47AB 47 OH 415	1200	WPBT 2 FL	
(Mansfield WOSU-34)		1400	KXLF 4 MT	
Es 1404	WPBT 2 FL		WWAY 3 NC	
	WEDU 3 FL		KTVQ 2 MT	
		1423	KIDK 3 ID	
		1436	KAlDt 4 ID	
		1557	CKTV 2 SA	
July 1985	1 Es 1030	WLNE 6(RI)	1630	KRTV 3 MT
	1100	WITG 5 DC	1700	KYW 3 PA
		WFSB 3 CT	1757	WFSB 3 CT
		WGBH 2 MA	1828	WSTM 3 NY 755
2 Es 0930	WMAR 2 MD	1829	WTVH 5 NY 755	
	1000	WUND 2 NC	CBOT 4 ON	
	1024	WUNC 4 NC	1838	WCSH 6 ME 1055
	1030	WWAY 3 NC	1855	WGRZ 2 NY
		WFMY 2 NC	tr Eve	OKC UHF's 510
		WRAL 5 NC	9 Es 1100	WCAX 3 VT
		WBTV 3 NC 640	1200	KWGN 2 CO
		WCTV 4 SC	1221	KUTV 2 UT
		WCBD 2 SC	1300	KTVX 4 UT
		2235	WSAV 3 GA	10 tr 0809
		1300	WECT 6 NC	0809
		1330	WCYB 5 VA 525	(Lake Andes KELO-11)
		1332	unid channel 5	(LPTV/xltr State # 16)
		1555	XHRIO 2	Es 1930
		1600	KGBT 4 TX	KWGN 2 CO
			KRGV 5 TX	XEPM 2 CH
			WCVN 54 KY 407	tr Eve
			WGN 52 OH	OKC UHF's 510
			WBAO 49 OH	11 tr 0158
			WNEO 45 OH	WTTT 21 AL 575
			WSFJ 51 OH	0242
			WOSU 34 OH	WEMG 42 AL 575
			WITE 28 OH	0350
			WTTV 33 OH	WVAH 23 WV 475
			WQAC 67 OH	(The best ever)
			WIII 64 OH	0418
			WJJCt 65 KY	WTVK 9 TN 475
			WPIE 14 IN	0516
			WBEHt 25 IN	WNT 19 AL 455
			WKSQ 29 KY	0526
			WKGB 53 KY	+WAFP 48 AL 455
			WXTX 19 OH	0529
			WKRC 12 OH	+WAAV 31 AL 455
			WSEB 47 VA 587	0532
			WKHA 35 KY	WGNX 46 GA 575
				0629
				+WTCI 45 TN 475
				12 tr 0113
				+KNMT 12 MN 495
				1602
				K65BY 65 IA 155
				(Waterloo PTL)
				2315
				WMAV 18 MS 425
				(Snow free)
				WHLA 31 WI 225
				(The best ever)
				13 tr 0019
				WJWT 16 TN 305

Jeff Kadet (continued)

24 tr 0354 WPCBT 40 PA	28 tr 0514 OKC 14, 25
0429 WUAB 43 OH 460	Mpls 9,11,23 exc
0432 WJKW 8 OH 475	0526 KTHV 11 AR 400
(Station # 600)	0600 KARD 14 LA 560
0436-0506 TP's from	(Odyssey)
WAKR-23, WVIJ-25,	2200 =WTSP 61 KY 455
WYTV-33, WFMJ-21,	2259 WPBY 33 WV 455
and WOIO-19	2325 WVAH 23 WV 475
28 tr 0230 K44AB 44 IA 33	29 tr 0034 WFFF 45 MD 735
(Keokuk w/WISN-12)	0054 WDCAt 20(MD)
0315 unid ch 3 KMTV?	30 Es 1100 XEPM 2 CH
(RETMA at 300°)	

Re July 4 @ 0121 - K30AM has all night music videos. They were 20 kHz offset from KDNL-30. They are only 70 miles from K30AL.

Re July 12 @ 1602 - K65BY - most wanted station. After eons of trying, in for about an hour - audio only.

Re July 18 @ 0441 - WHIZ-18 logging completes Ohio UHF except for WOUB-20 and some LPTV/xltrs.

E skip took a nose dive the last half of July. I took down the 37 year old 70 foot elm tree just a few feet e/ese of my tower and tropo scatter has been increased from Indianapolis 40 and 59 (240 miles) to Dayton 45 (360 miles).

Getting WFFF-45 was a treat, and I think I also had WDCA-20, but couldn't ID much except that a religious show was in progress. They listed Jimmy Swaggart in the Washington Post as being on then, but I'll wait for a more satisfying ID sometime.

WCFN-49 is now using those call letters, but they are still parallel to WCIA-3 and still on reduced power. KWOAI has been off the air for the past month, reason unknown. Some inspired programming noted on ETV's lately - Nebraska ETV carries SCTV and KETC-9 is carrying the Fugitive. 73.

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

CDT

Equipment: Channel Master 1110 Quantum with Channel Master 0064C preamplifier and RG-11U at 28', Antennacraft P-7 with Winegard PA-4975 preamplifier and RG-11U at 33', Alliance HD-73 rotor, Winegard DA-8105 post-amplifier, Channel Master 7206 Hi "Q" trap, and Zenith Z1920W 19" color TV.

June 1985	7 tr 2257 KCBR 17 IA 272	8 tr 2154 WFLD 32 IL 337
20 Es 1453 XEPM 2 CH 1215	2301 Sioux City 14,27	WNDU 16 IN 397
28 Es 1033 KPRCt 2 TX	8 tr 0003 KBGT 8 NE 383	2315 WFBN 66 IL 340
KBTX 3 TX 1040	0008 K26AC 26 MN 188	WBBS 60 IL 337
30 Es 1158 KENW 3 NM 981	(Bemidji STV-LPTV)	2319 W63AR 63 WI 58
	1200 WQRF 39 IL 269	(Ladysmith KSTP- 5)
July 1985	1217 WEEK 25 IL 353	2325 WSBT 22 IN 397
1 Es 1039 WESH 2 FL 1277	1224 WIFR 23 IL 269	2327 WRGT 45 OH 566
1045 WBTV 3 NC 925	(O/KTMA briefly)	(My first Ohio)
1059 WUFTt 5 FL	Es 1230 WCBF 2 SC 1094	2334 WMTV 15 WI 216
1131 WTVY 4 AL 1049	tr 1240 WTVOT 17 IL	2339 WKFT 22 CH NBC
2 Es 1031 WEART 3 FL ABC	Es 1259 WSB t 2 GA	Es 1259 WSB t 2 GA
1040 WESH 2 FL 1277	tr 1315 WBLnt 43 IL	2344 W64AU 64 WI 160
1042 WRBL 3 GA 976	WREXt 13 IL	(Adams STV-LPTV)
1057 WCTV 6 GA 1102	Es 1326 WFMY 2 NC 917	WFFtt 55 IN
1100 WUFT 5 FL 1217	1330 WESH 2 FL 1277	2350 WPTAt 21 IN
1122 WBRC 6 AL 872	tr 1405 KSFY 13 SD 254	9 tr 0000 =WTLW 44 OH 523
1158 WKRGt 5 AL CBS	1424 Sioux City 14,27	0003 WCGvt 24 WI
(20 kHz - KSTP )	1432 KXNE 19 NE 346	WCIU 26 IL 337
1216 WDSU 6 LA 1076	1459 K32AF 32 MN 152	WKOW 27 WI 216
1434 KMID 2 TX 1065	(St. James KSTP- 5)	0036 WBLnt 43 IL
(KTCA-2 off air)	1515 K22AE 22 MN 131	0050 KMEGt 14 IA
1529 WDSU 6 LA 1076	(New Ulm LPTV)	0052 WISC 3 WI 216
3 Es 1526 KTVQ 2 MT 784	1602 K20AD 20 MN 204	0101 WANET 15 IN
6 tr 1114 KNMT 12 MN 161	(Worthington KSTP- 5)	0105 KESD 8 SD 232
K18AI 18 MN 139	2120 WTVP 47 IL 353	0110 K14AD 14 MN 135
(Grnd Rapids STV-LPTV)	WEEK 25 IL 353	(Willmar KSTP- 5)
1116 KCBR 17 IA 272	2154 WHME 46 IN 397	0111 KCCI 8 IA 272
7 Es 2241 KPRC 2 TX 1095	2154 WSNs 44 IL 337	0118 KGAN 2 IA 239
2244 KBTXt 3 TX	(No STV-now SIN)	0122 WFSJt 51 OH 130°
tr 2250 K14AF 14 IA 147	WCFc 38 IL 337	(Religious)
(Decorah KYIN-24)	WNIIt 34 IN	

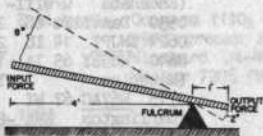
Michael Parks (continued)

9 tr 0130 +WKOI 43 IN 538	19 tr 2100 KCBR 17 IA 272	21 tr 0152 unid channel 56
(Strange time	2102 WHO 13 IA 272	0153 WHO 13 IA 272
for a sign/on )	WOI t 5 IA	( Over WEAU-13 )
0132 WISN 12 WI 272	2109 KMEG 14 IA 287	0201 =unid channel 7
0134 WTVU 17 IL 269	2151 KSFY 13 SD 254	0204 K30AC 30 MN 184
0205 WHO 13 IA 272	2152 KHIN 36 IA 337	(Marshall KSTP- 5)
( Over WEAU-13 )	KYNE 26 NE 340	0215 =KGAN 2 IA 239
0230 +WPWR 60 IL 337	2157 KGIN 27 IA 287	0220 DX rapidly dis-
11 tr 2309 KCBJ 17 MO 446	KCAU 9 IA 287	appeared except
KYTV 3 MO 568	(Audio o/KMSP-9)	for Des Moines.
12 tr 0006 KSNF 16 MO 585	gw 2339 W55AP 56 WI 41	23 tr 2037 WEEK 25 IL 353
0010 KMTC 27 MO 568	(River Flis w/KITN-29)	2039 WTVpt 47 IL
0012 KYFC 50 MO 453	20 tr 0026 KCCI 8 IA 272	K14AF 14 IA 147
0014 KZKC 62 MO 453	21 tr 0021 KMEG 14 IA 287	0021 KSNt 27 KS 472
0016 WHO 13 IA 272	0023 K42AV 42 MN 152	KZKC 62 MO 453
0019 KSPR 33 MO 568	(St. James KITN-29)	0011 KYFC 50 MO 453
0025 KCCI 8 IA 272	K50AB 50 MN 152	0013 K22AE 22 MN 131
0028 KCBR 17 IA 272	(St. James KAAL- 6)	KCBR 17 IA 272
0032 KSNtt 27 KS	Also other St.	0014 WHO 13 IA 272
0042 KSHB 41 MO 453	James xltrs	0016 KCAUT 9 IA
0100 =KOLR 10 MO 568	0141 K32AF 32 MN 152	0019 KMEG 14 IA 287
KGAT 2 IA CBS	(St. James KSTP- 5)	0022 KNLC 24 MO 480
Es 0123 CFAC 2 AB 1072	(Snow free)	0026 K32AF 32 MN 152
2236 CFAC 2 AB 1072	0025 K56AH 56 MN 174	0030 KOKH 25 OK 739
13 tr 1144 Sioux City 14,27	(Window KMSP- 9)	KAUT 43 OK 739
1145 KHIN 36 IA 337	K58AF 58 MN 174	0033 KLDHt 49 KS
1205 KCBR 17 IA 272	(Window KSTP- 5)	0034 KGMc 34 OK 739
( Over KTCI-17 )	K60AD 60 MN 174	0055 KCCI 8 IA 272
1959 KSFY 13 SD 254	(Window KTCA- 2)	0130 unid channel 21
2001 KESD 8 SD 232	K62AI 62 MN 174	0131 KQVt 2 MO
2008 K22AE 22 MN 131	(Window WUSA-11)	0145 KSHBt 41 MO
2048 KELOt 11 SD CBS	K64AK 64 MN 174	0155 WTVt 18 WI 272
(20 kHz - WUSA )	(Window KELO-11)	0158 W64AU 64 WI 160
2230 KMEG 14 IA 287	0028 K20AD 20 MN 204	0159 WBBS 60 IL 337
18 tr 0000 WEEK 25 IL 353	0038 K28AP 28 NE	WCFc 38 IL 337
WICS 20 IL 410	(Neligh KOLN-10)	WFLD 32 IL 337
0001 WTVt 17 IL	K22AE 22 MN 131	0200 WISC 3 WI 216
0003 WRSP 55 IL 410	0040 KBGT 8 NE 383	(WI's first \$ TV
0007 WMBD 31 IL 353	0100 K46AA 46 MN 152	station promo )
0024 WFLD 32 IL 337	(St. James w/KGAN- 2)	WITI 6 WI 272
WCIU 26 IL 337	0108 K50AB 50 MN 152	WISN 12 WI 272
WBBS 60 IL 337	(St. James w/WOC - 6)	0204 WBAY 2 WI 218
0035 WFBN 66 IL 340	0123 KCBR 17 IA 272	0212 KDNL 30 MO 480
0038 WCFc 38 IL 337	(Snow free 0214)	0215 WTMJ 4 WI 272
0104 KGAN 2 IA	K28AE 28 MN 162	KMOxt 4 MO
0120 WBAY 2 WI 218	(Fairmont LPTV)	( 0 kHz - WIMJ )
0139 KCBR 17 IA 272	0127 KGIN 11 NE 436	(WCCO off air )
(Very weak)	(Under WUSA-11 )	0216 KGAN 2 IA 239
2341 Willmar's 14,44,	0128 KOLN 10 NE 388	0219 WTCT 27 IL 558
46,48,50 135	0145 K60AD MN 174	0235 WPWR 60 IL 337
2342 K42AN 42 MN 135	(Window w/KGAN- 2)	0254 K33AA 33 IA 302
(Willmar KITN-29)	0145 KMTV 3 NE 340	(Ottumwa w/WISN-12)
	0149 WOWT 6 NE 340	30 Es 2208 KMID 2 TX 1065

Since this is a heavy reporting month, I have omitted a plethora of unids in order to conserve space. K22AE, New Ulm, MN, has dropped SPN and is running 24 hour a day news and video want ads. They have Journal-Vision "22" printed across the top of the screen. K28AE, Fairmont, MN, has done likewise and uses the headline NEWS SCOPE "28". Here in Wisconsin, W15AB in Rice Lake has been off the air since April 1. WTCN-11 changed their call letters to WUSA on Independence Day. They seem to be very patriotic. They are constantly using the colors red, white, and blue. They also began broadcasting in stereo on or about that date. KITMA-23 has switched from ON-TV to SelectTV. They are also unscrambled weekdays from 1800 to 1900 during which time they carry Odyssey. 73, Mike

\*\*\*\*\* (I have also noted KITMA-23 unscrambled in the morning with Biz Net and Odyssey. I believe that the two LPTV's which you mention, K22AE and K28AE, were both off the air for some time. I am sorry that they were unable to continue operating with community events coverage, but I think we are going to see a lot of these programming adjustments. fm)





## Technical Topics

Exciting days are in store for the scientific community and those who study the ionosphere. On July 12, the Shuttle orbiter Challenger will host the busy schedule of Spacelab 2, a manned continuation of the ionospheric research begun with Spacelab 1 in 1983. There will be experiments, 14 categories over a 160-hour period, in atmospheric physics, high-energy astrophysics, infrared astronomy, life sciences, materials processing, plasma physics, solar physics, and technology research.

Flight 51F, completely dedicated to interactive experiments with the Earth's plasma, promises to be an interesting mission. Two components of the Spacelab, the Plasma Diagnostics Package (PDP) and the Vehicle Charging and Potential (VCAP) pallet, will be of particular interest to W7FDAs. On Spacelab 1, the VCAP made use of an electron gun to prick the upper ionosphere, while the PDP monitored the reactions. Among those things scientists want to specifically know more about are:

- Observations that the body of the shuttle orbiter affects the ionosphere much like a comet, leaving behind a trail of ionized particles...
- Why holes are formed in the ionosphere when rockets lift off. (Skylab, launched by a Saturn V rocket, was noted to have made a hole over 1,000 miles wide that lasted several hours.) While this effect is exactly the opposite of what a VHF DX'er would want, radio astronomers are looking forward to the prospect of being able to "see" space without the radio interference of the ionosphere. Indeed, the idea is being kicked around to deliberately generate holes over radio observatories...
- Radio propagation in the plasma. Specifically, at Very Low Frequencies (VLF), and even the 2 and 10 meter ham bands.
- That objects in the plasma acquire a very strong charge. Structures like the Orbiter can develop a potential gradient of several thousand volts from one end to the other. This effect is a potential health concern, but also holds promise for the generation of electrical power...
- The visible glow that the exposed surfaces of the orbiter sometimes take on in flight...

VCAP experiments will run continuously during the seven day mission. An electron generator will simulate the particle beams that emanate from the sun, travel along the Earth's magnetic field lines, and often generate aurorae upon colliding with the upper atmosphere. By injecting particles in controlled quantities (to simulate natural storms) and observing how the plasma changes (with the PDP), hopefully we can figure out what normally disturbs the ionosphere which, in turn, affects climate and radio communications. (An auroral display of about 3 hours involves the discharge of 9 trillion kWh of electricity!) An electron generator has two ports which can produce beam currents of 50 or 100 mA, and a maximum power of about 100 W. The gun can be fired at a rapid rate to produce VLF radio. Many are curious if the gun thus operated will be an efficient radiating antenna, so radio sensors on board the shuttle and on the ground will be "DX'ing" this 100W transmitter.

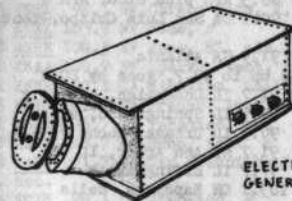
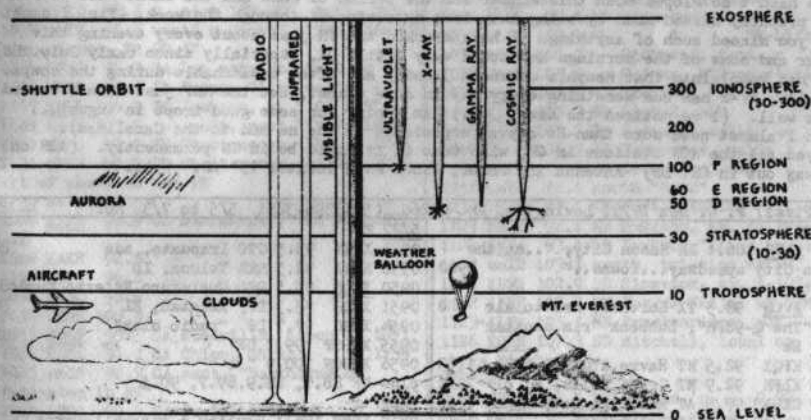
The PDP has the advantage of being ejectable--that is, it will be released from the shuttle cargo bay to float in orbit on its own. Challenger may then move about the PDP "satellite." Since the VCAP is on board and the sensing devices are on the PDP, the engineers hope to get a good feeling of where the electron beams and radio waves are going. There are instruments in the PDP that measure magnetic flux, electric and magnetic strengths, and ion charges, among other things, and some probes will be directly exposed to space. Measurements will be taken anywhere from 6 feet to 1/3 mile from the orbiter, and further experiments will be performed with the PDP moved about by the RMS (Remote Manipulator System--the large "robot" arm seen along the cargo bay of the shuttle.)

One of the more significant plasma experiments will call for the orbiter and the PDP (free-floating) to be lined up along the same magnetic field line. It is expected that any noise or disturbance generated at the shuttle orbiter will be conducted along the field line to the PDP...the "Flux Tube Connection."

Plasma depletion studies will be effected by purposely firing the Challenger's thrusters at specific locations and monitoring the conditions of the ionosphere. The thrusters will release as much as 3,000 lbs of exhaust vapors (mostly water) which, in a chemical reaction, leaves vast holes in the ionosphere. The Millstone Hill Observatory (Westford, MA) will monitor changes in the ionospheric electron count, plasma drift, and plasma temperature during the daytime firings with a 46 m antenna. In Arecibo, PR, a 300 m radar will monitor changes in electron density. Stanford University's VLF facility (Roberval, PQ) will attempt to send VLF radio signals to Siple Station, Antarctica, to keep tabs on propagation during the formation of holes. Similar monitorings of the holes will be made at the US Army Kwajalein Missile Range. Further, the Reber Observatory (Hobart, Tasmania) will watch their (1-5 MHz) low-frequency radio astronomy equipment closely to see if the holes will allow better viewing of distant galaxies.

Public access to Spacelab 2 experiments is very good. TVRO owners may watch live shuttle TV 24 hours a day (sure beats MTV!) during the whole mission via Satcom F1R, Transponder 18 (139° W. Longitude, 4.060 GHz). Marshall Space Center (Huntsville, AL) will broadcast mission audio and commentary on 173.0250 MHz, FM. No doubt those in range of other NASA centers will also have VHF channels available. (Imagine hearing shuttle commentary via satellite and tropo from Huntsville to a QTH 800 miles away...) An excellent and colorful (though untechnical) 41-page book about Spacelab 2 is available as EP-217 from Public Affairs Office/CA01, NASA, Marshall Space Flight Center, AL 35812, or from the US Government Printing Office.

13  
Tim McVey  
Rt. 3 - Box 568  
Bolivar, TN 38008-9556



ELECTRON GENERATOR



MISSION 51F INSIGNIA →



# SOUTHERN FM DX

Danny Buntin  
1312 N. Skyline  
Stillwater, OK 74075

## SCUTHERN FM DX

Fizzi, cont.

SEPTEMBER 1985

DEADLINE: 10th

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

Tim McVey, Route 3, Box 568, Bolivar, TN 38008 CDT

6/8 Es  
1035 KRWN 92.9 NM Farmington, m, 1079  
"Grown FM 93"  
1038 KRSJ 100.5 CO Durango, k 1061  
1042 KISZ 97.9 CO Cortez, r, "Z-98" 1100  
1100 KISR, my "barometer" station to the w.  
1119 KATT 100.5 OK Oklahoma City, for 491  
the next 13 hrs.  
1155 KMJI 100.3 CO Denver, mr "Magic-100"  
also 89.3, 90.1, 95.7, 98.5, 99.5  
1200 KMTS 92.7 CO Glenwood Springs, k 1044  
1202 KUIN 92.7 UT Vernal, m, ads ment.  
Vernal under KMTS 1160  
1205 KQZR 102.5 CO Craig 1094  
1207 KOOL 94.5 AZ Phoenix, mr, jingle 1321  
1210 KBCC 97.3 CO Boulder 933  
1212 KNIX 102.5 AZ Phoenix took over KQZR  
in the capture ratio.. phenomena that  
still amazes em.  
1230 KASIT 104.5 WY Rock Springs, with 1165  
ads walked right in over local WRVR!

6/8 Es  
1236 KQSW 96.5 WY Rock Springs  
1240 Es fade out, now tr  
tr  
1243 KKNG 92.5 OK OKC  
1300-1900 KKNG and KATT only activity heard  
1955 KQMO 94.9 MO Kansas City, k "KC-95" 415  
2056 KQWK 96.9 KS Pittsburg-Joplin ID, 350  
"Quick Rock 97" with a "No Madonna Weekend"--  
great idea!  
2141 KINB 107.3 OK Poteau, k (tent, no calls  
heard)(KINB not in \$ when I just checked, DB.)  
2150 KAYI 106.9 OK Muskogee, r 361  
2159 KDLE 99.5 OK Henrietta-Okmulgee, ID, k  
6/9 tr  
0004 KCHA 106.1 OK Owasso, b 392  
0015 most Tulsa stns. in on FM, UHF  
0019 KORX 93.5 MO Greenfield, p 300  
6/11 Es  
1115 short cloud to Salt Lake & Craig, CO1299  
AZ  
7/7 Es  
1145 short lived cloud to Four Corners CO, NM,

Es hasn't developed much this summer for the period of June and the first half of July. Have probably missed much by being away from my equipment through the week. (Tim, I doubt that you missed much of anything. I have checked the FM just about every evening this summer and some of the mornings and found very little DX, especially since early July. DB) I've had complaints that Memphis channels 3 and 5 are often unwatchable during the soaps. Actually, TV-2 has had something every day in June almost, but the MUF just hasn't worked up as well. (I've noticed the same. DB.) Am hoping for some good tropo in August... which I almost need more than Es anyway (especially to the ne and to the Carolinas). Enjoyed all the ACR stations in OK, wish some of it could be in TN permanently. (ACR on its way out in OK. DB) Antenna and rotor, Finco FM-5 located 19' AG. 73's.

Jim Pizzi, P. O. Box 1778, Lovington, NM 88260 (505)396-3251 5/5 to 7/3 MDT

5/5 MS  
1123 KLSS 106.1 IA Mason City, "...at the  
Mason City speedway...Iowas.." 900  
5/6 tr  
2324 KVOQ 98.3 TX Lorenzo, new to air 120  
\$, "The Q-98FM", Lubbock "rim shotter"  
5/19 Es  
2245 KPQX 92.5 MT Havre, k "QX-92-FM" 1103  
2246 KLFM 92.9 MT Great Falls, k, cl 1062  
2249 CKUA3 97.3 AT Medicine Hat, Reggae 1206  
2249 CKUA2 99.3 AT Lethbridge " // 1215  
2251 KCTB 192.7 MT Cut Bank, 4 1166  
2315 KLYZ 92.5 WY Powell, r, "Classy FM" 840  
2318 KMGW 94.5 MT Great Falls, r 1062  
2328 CJAY 92.1 AT Calgary, CJ-92, j 1328  
5/23 Es  
0821 WKMM 92.1 MI Harrison, k, ads 1229  
WMGL 91.7 MI Alpena, c, tent  
0828 WBLV 90.3 MI Twin Lake, c, tent  
0830 WSAE 89.3 MI Spring Arbor, g tent.  
0830 WPHN 90.5 MI Gaylord, g 1280  
0837 WCXT 105.3 MI Hart, "X-105" 1157  
5/26 Es  
2303 WMBI 90.1 IL Chicago, tent, g  
5/27 tr  
0028 KUHF 88.7 TX Houston, j 530  
0050 KIXS 93.3 TX Killeen, calls 353  
0053 KESI 106.7 TX Terrell Hills, ex 106.3  
0055 KRBE 104.1 TX Houston, calls

5/27 Es  
0928 XHNY 93.5 GTO Irapuato, ads 840  
0930 XHAI 92.5 MEX Toluca, ID  
0950 XHCE 95.5 QRO Queretaro, Estereo Mundo 840  
0951 XHSH 95.3 DF, Amistad, EL 960  
0954 XERC 97.7 DF "radio hits"  
0955 XHPOP 99.3 DF  
0956 XHSON 100.9 " r  
plus DF 88.1, 88.9, 89.7, 90.5  
5/29 tr  
0810 KRBE 104.1 Houston + others in area  
5/30 Es  
1827 XHME 89.5 Puerto Vallarta, ads 840  
1827 unID 88.5 NFR plus other NFR's  
2025 KCBX 90.1 CA San Luis Obispo, tent, c  
6/10 Es  
2007 WCLK 91.9 GA Atlanta 1098  
2010 unID's up to 90.7, gone by 2020  
1049 WBCI 91.7 IL Champaign, calls, g 959  
2100 WSSR 91.9 IL Springfield, wx 878  
2101 WLLL 90.9 IL Urbana, phone # 965  
2104 WUCM 91.7 MI Ann Arbor, ID 1229  
2106 WBFQ 97.7 IL Effingham, g 923  
2109 WNDH 103.1 OH Napoleon, calls 1188  
2118 WBLV 90.3 MI Twin Lake, calls 1148  
6/12 Es  
1903-1905 unID's, ne  
6/16 tr  
0741 KXKX 106.5 TX Galveston, ID, cont.... 580

6/16 tr  
0741 KJCJ 106.9 TX Conroe 490  
KCOL 103.7 TX Sinton 485  
0758 KNGN 90.9 TX Dallas, g 368  
0800 KCKF 90.9 OK Edmond, ID, rare, full  
quieting 385  
0805 KETR 88.9 TX Commerce, ID 426  
0837 KRRG 98.1 TX Laredo, ads FN-98 460  
0853 KFLZ 107.1 TX Bishop, ID 0900 in EE510  
1014 KRBE 104.1 TX Houston, calls 530  
6/17 tr  
0843 KJNE 102.5 TX Hillsboro, calls k, \$ 380  
6/20 Es  
1309 KARS 92.5 MN Minneapolis, calls, 968  
in car, no time to DX, rats.  
6/21 Es  
2010 KZLN 96.3 MT Shelby, tent., r  
2011 KLPM 92.9 MT Great Falls, tent. k  
6/23 Es  
1900-2000 unID's 88.7, 89.7, 91.1 n. east  
6/24 Es  
1410 WKWK 97.3 WV Wheeling, calls, 1328  
on lunch hr. in car  
1412 WQBE 97.5 WV Charleston, calls, no  
time to DX. 1256  
6/25 Es  
1450 XHM 88.9 DF 960  
6/28 Es  
0853 WITL 100.7 MI Lansing, k "Whittle", ads  
0858 KDDB 92.5 CA Paso Robles, ads, k 1012  
0905 unID 98.1 n. east "FM-98", ment. Det.  
1032 unID 90.5 west? n. east? "The classic  
experience, FM 90.5"  
1034 KFAC 92.3 CA Los Angeles, tent. c  
1101 WPAP 92.5 FL Panama City, calls 1071  
1119 WKLR 104.1 TN Jackson, k, "104 KLR"  
1128 unID 103.5 n. east, ment. "TN Valley"  
1130 WBYN 89.7 TN Chattanooga, ID 1035  
1131 WMBW 88.9 TN Chattanooga, calls 1035  
all of above on car FM  
6/30 Es  
1008 KXPR 90.9 CA Sacramento, "FM 91", 1071  
wx  
1009 KAER 92.5 " " , k  
1010 KCTC 96.1 " , b  
1012 KSAC 96.9  
1014 KEBR 100.5 , g  
1017 KPCP 93.5 CA Roseville, k-pop 1071  
1022 KCHO 91.1 CA Chico, SS mx 1139  
1023 unID 92.7 CA ment. "Hawthorne &  
Yerington in NV"  
1026 KDVS 90.3 CA Davis, soul/g 1107  
1028 KBBF 89.1 CA Santa Rosa 1143  
1031 KQBD 88.5 CA SF 1116  
1034 KRQR 97.3 CA "  
1035 KNSS 98.1 NV Carson City, k, calls  
1037 KOZZ 105.7 NV Reno, r 1008  
1038 KSRN 104.5 NV Reno, EL, ads  
1042 KNAA 100.9 NV Sparks, tent. r  
1049 KPMR 100.1 CA Stockton, calls 1049  
1045 KFIC 101.1 CA Fresno, tent, r oldies  
1051 KNVR 96.7 CA Paradise, ads 1139  
1052 KUNR 88.7 NV Reno, tent. c  
1058 KALW 91.7 CA San Francisco, Pac-  
Ed. net.  
1104 KCJH 90.1 CA Stockton, g 1049  
1105 KYBB 100.9 CA San Rafael, B101, r 1080

7/2 tr  
1901 WFSU 91.5 FL Tallahassee, ID 1233  
1921 WAIV 96.9 FL Jacksonville, 97 Wave

7/2 Es  
1922 unID 97.7 east "V-97.7" WGLV on in FL?  
WGLF 104.1 FL Tallahassee, tent. EL  
WHLY 106.7 FL Leesburg, tent., r  
1927 WDIZ 100.3 FL Orlando, tent. r  
1931 WCIE 91.1 FL Lakeland, calls 1337  
1935 unID 88.5 east, "Rock 88" ph# 451-1644  
2034 unID 88.9 n. east, r  
7/3 Es  
1136 KFFE 93.7 CA Fresno, y-94, r 959  
1138 KOSO 93.1 CA Patterson, tent., r  
1140 KLZE 97.7 CA Los Altos, tent., EL  
1141 KNAX 97.9 CA Fresno, calls 959  
1142 KGNU 102.7 CA Fresno, ads  
1144 KFSR 90.7 CA Fresno, strange mx  
1148 KBAY 100.3 CA San Jose, b 1080  
1149 KYUU 99.7 CA S. F., r 1116  
1154 KTED 96.7 CA Fowler, g, k-Ted" 955  
"Stereo Love 97"  
1156 KLZE 97.7 CA Los Altos, "classey" m 1C90  
1159 KOSE 93.1 CA Patterson, ID + "KO-93"  
1202 KMGX 103.7 CA Hanford, ID "Magic 103" 985  
1206 KYNO 95.7 CA Fresno, tent. r u/over KPER  
7/7 Es  
0957 WQJB 88.9 WI Hayward 1071  
0958 KWIT 90.3 IA Souix City 747  
1006 KXLV 105.5 MN Cambridge, calls 1013  
1009 unID 103.5 north to n.e., SS (not Mexico)  
1029 KQRS 92.5 MN Minneapolis, calls 968  
1031 KPMC 106.5 MN Fairmont, calls 855  
1032 WLOL 99.5 MN Minneapolis, calls 968  
1035 WLTE 102.9 " , "W-Lite"  
1037 KDWB 101.3 Richmond, tent. r  
1038 KKWS 105.9 Wadena, k "Superstation" ads  
1039 KLIZ 107.5 , Brainerd, ad 1018  
1044 KLIN 107.3 NE Lincoln, ID 644  
1046 KICD 107.7 IA Spencer, calls, k 810  
1047 KRCC 106.9 MN Rochester, calls 945  
1050 KNXR 97.5 MN Rochester, ads 945  
1051 unID 92.1 north "U-92"  
1056 KKS9 89.1 ON Fort Francis, FF 1173  
1103 KLPF 92.1 MN Madison, wx, calls 900  
1104 KKYA 93.1 SD Yankton, "KK-93 in Yankton"  
1118 unID 103.1 north, tri-stae wx (ND, SD, MN)  
1118 KEWS 102.9 SD Sisseton, wx, B-103 923  
1122 KBRF 103.3 MN Fergus Falls, wx "FM-103"  
1123 KLTZ 105.1 MN Breckenridge, ads 968  
1126 KQRN 107.3 SD Mitchell, local nx, ment.  
Lake Mitchell  
7/8 Es  
2106 CFWQ 92.1 SK Regina, r, \$, Q-92 1188  
2116 KHHT 97.1 ND Minot, k-Hit 1035  
2118 KYYZ 96.1 ND Williston, tent. r  
2124 CBWW 105.3 SK Baldy Mt. 1238  
2124 CBRM 91.9 SK Bellegarde, FF  
2125 CRIT 104.9 SD Regina, EL 1188  
2134 KLTZ 93.7 ND Minot, z-94, r 1035  
2143 CBWS 92.7 MAN Brandon, c 1157  
KLTZ 93.7 ND Minot, z-94, r 1035  
2144 CKB8 99.5 " , FF  
2146 WBW 97.9 , same as CBWW  
2206 CBWZ 104.3 MAN Fairford, same as CBWW  
and CBWV 1274  
2211 unID 88.9 north, jazz  
2254 KEYA 88.5 ND Belcourt, tent., r  
7/10 tr  
1102 KSMG 105.3 TX Seguin, calls 410  
Es  
1702-5 unID's 90.9 c, 89.3 c  
1705 WRST 90.3 WI Cshkosh, calls 1080  
cont.....

7/13 Es  
0727 WMKY 90.3 KY Morehead, nx 1161  
0802 WIAN 90.1 IN Indianapolis, wx, ID1059  
7/17 Es  
1005 KPQX 92.5 MT Havre, WX country, wx  
1010 CKUA3 97.3 AT Medicine Hat, tent. c  
1015 KBIT 102.9 MT Billings, calls 900  
1025 KMCN 92.5 MT Miles City, calls, r, s  
1030 KEYA 88.5 ND Belcourt, calls 1095  
1030-1047 unID's 88.3, 89.1 91.7 c, 93.5 r,  
93.3 r, 95.7  
1059 KMFR 88.9 ND Monot, ID 1035  
7/20 Es  
0833-45 unID's to 91.9 c, n. east  
7/28 Es  
1005-30 unID's to 91.5 r

7/28 Es  
1030 WCLE 91.1 FL Lakeland, g 1337  
1030 WFSU 91.5 FL Tallahassee, IL 1233  
1049 KRVS 88.7 LA Lafayette, FF, cajun mx 684  
1051 WBSN 89.1 LA New Orleans, tent. g  
1054 WWOZ 90.7 LA New Orleans, tent., j  
1056 KLSU 91.1 LA Baton Rouge, tent. reggae  
1057 WNOO 89.9 LA New Orleans, calls 819  
7/30 Es  
2007 KJSN 92.5 CR Klamath Falls, calls 1170  
2025 WBBK 92.5 WI W. Bend, ads 1067  
2027 WQML 91.7 MI Alpena 1328  
2029 WYRO 95.3 WI Beaver Dam, calls 1053  
2031 WMBN 96.3 MI Petosky, calls  
2036 unID 92.3 n. east, baseball  
2059 WNMU 90.1 MI Marquette, ID 1364  
2136 KDSU 91.9 ND Fargo, tent. j

Three months of DX in this report. May had three good days of Es. June had lots of Es, some of which I missed because of work. July was very active with Es noted on 10 days. Needed openings to CA heard, still would like one to the L. A. area. Nothing new in FM in this area. Til next time, 73's.

Pat Dyer, 5315 Silvertip Dr., San Antonio, TX 78228 - 6/24 to 6/30 CST

6/24 Es  
1206 KESD+ 88.3 SD Brookings, j 1020  
1211 WERNt 88.7 WI Madison 1065  
1219 f/out  
1305 KUSD 89.7 SD Vermillion 920  
1311 WVPNT 88.5 WV Charleston 1150  
1312 WXGC 96.5 WV Williamson, ID 1090  
1313 WQBE 97.5 WV Charleston, area ads 1150  
1316 WEMM 107.9 WV Huntington, ID 1100  
1317 WXLLt 95.1 WV Parkersburg, r 1180  
1319 WMIX 94.1 IL Mount Vernon, wx, ID 820  
1321 WJBMt 104.1 IL Jerseyville, k 815  
1322 WFBQ 94.7 IN Indianapolis, Q-95 995  
1325 WNNW 98.5 MI Coldwater, ID, k 1125  
1326 WTP1 107.9 IN Indianapolis, ID 995  
1329 WIAI 99.1 IL Danville, ID, ads 960  
1331 WKFR 103.3 MI Battle Creek, ads 1155  
1332 WOOD 105.7 MI Grand Rapids, ad 1175  
1339 WAUR 107.9 IL Aurora, ID 1020  
1341 MCGY 106.3 IL Gibson City, ID 950  
1344 WTKM 104.9 WI Hartford, area ads 1110  
1346 WBNV 92.5 WI West Bend, town ID 1115  
1347 WQLR 106.5 MI Kalamazoo, ID, EL 1140  
1348 WFMT 98.7 IL Chicago, area ad 1045  
1349 WXQX 98.5 IL Freeport, area ad 1000  
1350 WLAU 96.9 MI Grand Rapids, ID 1175  
1353 WLS 94.7 IL Chicago, "LS", wx 1045  
1353 WLRT 95.7 MI Grand Rapids, wx, W-Lite  
1355 WDOR 93.9 WI Sturgeon Bay, wx, ID  
1358 WAPL 105.7 WI Appleton, ID, r 1165  
1400 WMOI 97.7 IL Monmouth, area ad 905  
KNJY 97.7 IA Clinton, Y-98  
1401 WLLR 101.3 IL East Moline, ID 945  
1402 KAUS 99.9 MN Austin, local ads 1035  
1405 KFKF 94.1 KS Kansas City, ID 700  
1406 KMEM 96.7 MO Memphis, ID, r 850  
1408 KLEH 106.1 IA Mason City, town ID 985  
KCCQ 107.1 IA Ames, ads, ID 880  
1410 WLST 95.1 WI Marinette, area ads 1230  
1410 WILV 94.9 WI Baraboo, wx, ID 1085  
1412 WYBR 104.9 IL Belvidere, ID 1035  
1415 WJVM 94.3 IL Sterling, area ad 980  
1416 WDUZ 98.5 WI Green Bay, local ad 1190  
1418 KXJX 103.3 IA Pella, area ad 885  
1419 WMCN 98.1 WI Madison, ad 1065  
1421 WQJL 106.3 MI Menominee, ads 1235  
1425 WKLQ 94.5 MI Holland, area ad 1150

6/24 Es  
1427 WWJOT 98.1 MN St. Cloud, k 1140  
1428 WILJY 106.5 WI Marshfield, area ads 1145  
1430 KQKQt 98.5 IA Council Bluffs, r 830  
1432 KLGK 97.7 MN Redwood Falls, ID 1060  
1433 WOV 94.1 NE Omaha, wx, ID, k 830  
1434 KXLP 93.1 MN New Ulm, area wx 1050  
1436 KQDS 94.9 MN Duluth, town ID 1250  
1437 KQWBT 98.7 MN Moorhead 1205  
1441 WIAL 94.1 WI Eau Claire, I-94 1125  
1442 KNCA 95.1 MN Worthington 995  
1446 KELO 92.5 SD Sioux Falls, ID, EL 975  
1503 f/out  
6/25 Es  
unID 88.9  
1124 KSDS 88.3 CA San Diego, psa's 1120  
tr  
1128 KUFO 97.9 TX Odessa, area wx 280  
Es  
1129 KECR 93.3 CA El Cajon, rel., ID 1100  
1130 KXYX 96.5 CA San Diego, ID 1120  
XHRMt 92.5 BCN Tijuana, r 1100  
1132 XHRMft 92.3 BCN Mexicali, Sp. 1010  
1133 KPBS 99.5 CA San Diego, ID 1120  
1133 KGB 101.5 CA San Diego, ID 1120  
1134 KLZZ 106.5 CA San Diego, ID 1120  
1135 XETRA 91.1 BCN Tijuana, area ad 1100  
1140-1158 lull  
tr  
1145 KQIP 96.5 TX Odessa, ID 280  
Es  
1200 KPCC 89.3 CA Pasadena, area nx 1185  
1202 KSRB 88.5 CA Mission Viejo, area nx  
1204 KFCX 93.5 CA Redondo Beach, ID 1195  
1206 KCHVT 93.7 CA Coachella, EL 1070  
1207 KFACT 92.3 CA Los Angeles, c 1190  
KLONT 88.1 CA Long Beach, j 1180  
1208 KCRWt 89.9 CA Santa Monica, j 1200  
1210 spotty out 1222  
1701 KUSDt 89.7 SD Vermillion 920  
1713 KELOt 92.5 SD Sioux Falls, EL 975  
1802 KBHE 89.3 SD Rapid City 1040  
ms  
1833 KELO 92.5 SD Sioux Falls, town ID 975  
6/26 Es  
0933 WWA 92.3 FL Orlando, area ads 1035  
0959 WQCS 33.3 FL Fort Pierce, lcl psa 1115

6/26 Es  
1000 WUSF 89.7 FL Tampa, ID 985  
WRNB 89.3 FL Boynton Beach, ID 1150  
1013 WDNAt 88.9 FL Miami, r 1150  
1036 WFLAT 93.3 FL Tampa 985  
1037 WGYL 93.5 FL Vero Beach, wx 1110  
1040 WVFMT 94.1 FL Lakeland, EL 1010  
1044 WYFN 94.9 FL Tampa, "95-YNF" ID 985  
1045 WRYN 92.5 FL Key West, area ad 1090  
1057 WKFX 88.5 FL Sunrise, ID 1145  
1059 WLRN 91.3 FL Miami, ID 1150  
1111 WLYF 101.5 FL Miami, area ad 1150  
1115 WRFI 93.5 FL Belle Glade, ID 1110  
1126 WRMF 97.9 FL Palm Beach ID 1150  
1139 WLVE 93.9 FL Miami Beach Love-94 1150  
1204-1220 lull  
1220-1230 R. Belize 88.9 Bze Belize City, ID, psa's 1080  
1301 TG-- 88.1 Gu Guatemala City, slogan ID 1120  
1311 TGRT 88.8 Gu Guatemala City, country ID 1120  
1312 TG--t 94.9 Gu Guatemala City, Sp. 1120  
TG--t 98.6 Gu Guatemala City, Sp.  
1335-50 lull, soon out  
1425-1440 TGRT 88.8 (net ID)  
unids to 88.9  
6/27 Es  
2116 TG--t 88.1 Gu Guatemala City 1120  
6/28 Es  
0751 CKSB9t 89.1 CN Fort Frances, Fr. 1350  
tr  
0810 KNFMt 92.3 TX Midland, k 275  
Es  
0841 GBCN20t 89.3 ON Thunder Bay, Fr. 1400  
0848 WHWC 88.3 WI Menomonee, ID 1125  
0855 WHSA 89.9 WI Brule, //88.3 1235  
0859 KOSG 92.7 IA Osage, local wx 1005  
0900 WQJB 88.9 WI Hayward ID 1205

6/28 Es  
0901 WRFW 88.7 WI River Falls, wx 1110  
0905 KQDS 94.9 MN Duluth, ID 1250  
0908 WAKXt 98.9 MN Duluth 1250  
0930 WIAL 94.1 WI Eau Claire, ads 1125  
0952 WLST 95.1 WI Marinette, area ad 1230  
0953 WNLBt 97.1 IL Chicago, c 1045  
0955 WKCD 95.9 IL Aurora, EL, ID 1020  
0959 WSEJ 92.7 IL Arlington Heights, ID 1050  
WAJF 93.5 IL Joliet, area ad 1015  
1004 WBEZ 91.5 IL Chicago, c, ID 1045  
1005 WYGA 92.3 IN Hammond, area wx 1040  
1008 WSPT 97.9 WI Stevens Point, ID 1150  
1010 WILV 94.9 WI Baraboo, ads, wx, ID 1085  
1012 WDUZ 98.5 WI Green Bay, local ad 1190  
1013 WAXL 97.7 WI Lancaster, ad 1020  
1015 WDOR 93.9 WI Sturgeon Bay, area ad 1225  
1021 WMT 96.5 IA Cedar Rapids, area wx 945  
1022 WYCO 107.9 WI Wausau, ads, Y-108 1170  
1028 WQLR 106.5 MI Kalamazoo, ID, wx 1140  
WDBR 103.7 IL Springfield, ID 870  
1030 WOOD 105.7 MI Grand Rapids, local ads  
1031 WACF 98.5 IL Paris, area wx 930  
1032 WKTI 94.5 WI Milwaukee, wx, ID 1100  
1035 WSHW 99.7 IN Frankfort, area wx 1010  
1037 WZUU 95.7 WI Milwaukee, wx, Z-95 1100  
1039 WHBP 98.9 IL Rock Island, local ad 945  
1050 KHAK 96.5 IA Cedar Rapids, local ad 945  
1057 WCOW 97.1 WI Sparta, area ad 1085  
1059 WIZM 93.3 WI La Crosse, ad, Z-93 1070  
1059 WVCX 98.9 WI Tomah, ID, rel. 1100  
1100 KOEL 92.3 IA Celwein, ID, k 985  
1103 KXLU 88.9 CA Los Angeles, ID 1190  
1127 KSRB 88.5 CA Mission Viejo, ID 1150  
1134 WDLM 89.3 IL East Moline, ID 945  
1154 KDCR 88.5 IA Sioux Center, ID 945  
1158 f/out  
2106-10 KFJMt 89.3 ND Grand Forks, swing 1240  
6/30 Es  
1123-26 KFJMt 89.3 ND Grand Forks 1240

A lot of Es here for a report just covering a few days. Some very productive days for ID's with many in only a few hours. Making both the Central States VHF Conference in Tulsa (July 25-28) and the WTFDA Convention in New Orleans (my first) the next weekend, didn't allow much time to get the reports more current. 73.

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

7/17 Es  
1015 KUNR 88.7 NV Reno 8/10 ex. gw  
0001 KCMA 93.5 OK Tulsa, xlator 65

KCMA's (Owasso 106.1) new translator for Tulsa is actually situated well within the main station's primary service area, but while visiting in Tulsa I monitored both stations and had little trouble figuring out why the need for the Tulsa translator since wherever I drove in Tulsa main KCMA was always wrapped by noise, possibly multipath. The noisy reception is made all the more unfortunate by the fact KCMA plays classical music. Around downtown Tulsa reception is even noisier, but the translator can't come to the rescue here; it's buried under overloading, so the translator seems to serve primarily south and east Tulsa. While driving in that part of town sometimes the translator was clearly the quieter signal, but at other times it was difficult to tell which signal was preferable for listening. A much better approach to better reception was recently made by KMYZ 104.5 Fryor-Tulsa when that station moved to a 1000+' tower and put up billboards in Tulsa, referring to itself as "New Quality Rock". Their on air advertising became heavily oriented toward Tulsa. A blatant rimshotter, I guess. The station seems to have a real clean car FM signal in Tulsa free of multipath and overload interference, at least where I drove. It also comes in excellently on my home tuner, and in fact heard a listener comment on the station for a promo that he got good car reception as far west as Stillwater. Until next month, 73.

# ANTENNA NEWS

Doug Dornbos  
3009 Port Sheldon  
Hudsonville, MI 49426

Antenna News

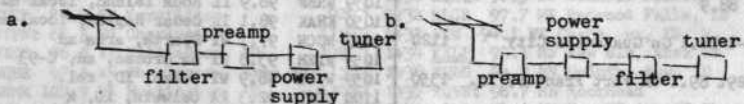
page 2

August 1985

Dear Fellow Dx'er:

August 1985

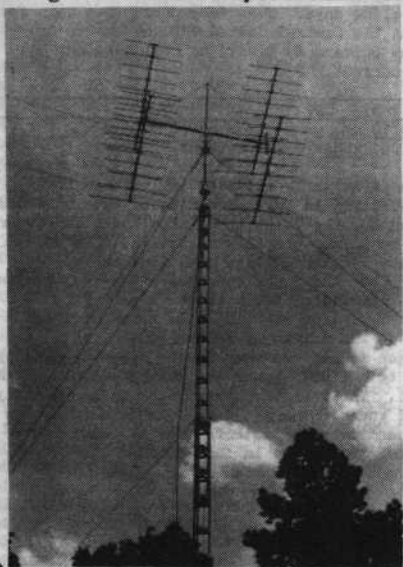
Last month's column was filled with several omissions for which I apologize. Ed Frye wrote to me with pricing for the Winegard CPF-FM bandpass filter which I left out. Dealer price for the complete unit is 34.43. I'll sell the one I've got for that and throw in the 5 attenuation pads @ no charge. Ed also mentioned the Channel Master bandpass filters. I did not include them in my study due to the fact that I feel they are overpriced for the average dx'er. Mr. Frye writes too that he recently went to install his Winegard CH-6065 fm antenna and when he pulled it out of the box he noted that some elements were riveted on the boom wrong. Even though the warranty had already expired, Winegard sent Ed a brand new CS-6065 as a replacement. Ed had only written to them for some advice mentioning the error and never asking for compensation. Winegard is to be commended for actions such as this and should be held up as an example of how companies with multi-mega-buck ad budgets could more effectively use their funds. Thanks for the report Ed. Lastly, Frye brings up the point of where to put an ac-dc blocking device such as a filter when you are using a preamp. The device has to go somewhere else than between the power supply and preamp. If you can find a decent weather proof housing, it is best to do all filtering before the preamp up top the tower (fig. a). If this is out of the question, fig. b is the way to go.



By the way, an upside down, plastic, 2 or 3 liter soda pop bottle with the top off for drainage and coax passage works nicely for a weather housing. Just cut a big flap in one side to put your electronics through. Once the electronics are in and connected, the flap can be duct taped or siliconed back shut. Find a way to bracket it to the tower and you're all set.

Also contributing this month is Vernon Eaton from Benton Arkansas. He has got a killer fm system which is shown below. He has quad stacked the

no longer available Finco FM-5's as follows: Horizontal spacing is 118" or one wavelength. Vertical spacing is 60" or 1/2-wavelength. This closer spacing was used to decrease rotor strain as it was placed above the tower with considerable mast height above it. Also reducing the load on the rotor is a bearing a few feet above the rotor. Vernon gets up to 200 miles away on bad days with several stations per frequency on good days. His tower is of the crank-up variety so he can let her down when the wind gets going. Note the guy supports from the top of the mast to the ends of the H-frame. Strength is the biggest problem in many quad arrangements and this is a big help. If anyone would like to talk with Vernon, his # is 501-847-2066. His address is 82 springhill acres, Benton, AR 72015.



## CES Report

My summer Consumer's Electronics Show report will not be as extensive as last year's due mainly to my hectic schedule at the show with TVRO taking up most of my time and leaving little for the fun stuff. Notable is that Grundig did not display there for the first time in many years and that was a bit of a disappointment to me as they have some very fine dx gear. One group I forget about but usually stop to see is the Electronic Industries Association, the people responsible in a large part for putting on the show. They also put out 2 very nice interference handbooks showing interference symptoms and troubleshooting procedures. One booklet is for TV interference, the other is for audio system interference. I believe that you can have both for the asking by writing to the EIA, 2001 Eye St. NW Washington DC 20006. A worthwhile addition to your stack of references.

The only booth I really made a conscious effort to visit for dx reasons was the Magnum company's. I must say that I am always impressed with these folks and this year was a special treat. Besides their fine "Sleuth" preamps, they are now manufacturing a tuner model FT-101. For \$495 it has my vote as the outstanding product in its' class. On the face there is 1 knob (for tuning), 1 digital readout (for frequency), 5 switches (on-off, mono-stereo, afc on-off, mute on-off, if wide-narrow), and 3 meters (multipath, signal strength, and center tune). What a joy to see such useable equipment in the face of the myriads of hyperchromed hoopla coming in from the orient. Besides the high quality Canadian manufacturing, and the functional useability, the specs are quite good as you can see below. It will be interesting to get some field reports back on this one.

### Specifications

Usable sensitivity (mono)	8.8 dB/1.5µV	-3dB frequency response	20Hz - 16KHz.
Usable sensitivity (stereo)	11.2 dB/2.0µV	AM suppression ratio	60dB
Sensitivity - 50dB quieting (mono)	13.2 dB/2.5µV	THD (mono)	- wide 0.02%
Sensitivity - 50dB quieting (stereo)	34.0 dB/10µV		- narrow 0.05%
Capture Ratio (wide & narrow)	1.5 dB	THD (stereo)	- wide 0.023%
Image rejection ratio	75 dB (or better)		- narrow 0.050%
Signal-to-noise ratio - mono	75 dB	Stereo separation - wide	60dB @ 1 KHz
	73 dB		- narrow 5dB from above
Alternate Channel atten. - wide	50 dB	<b>DIMENSIONS:</b>	
	83 dB	Cabinet	- (in.) 3.65 (h) x 17.0 (w) x 13.0 (d)
Adjacent Channel atten. - wide	8 dB		- (mm) 93 x 432 x 330
	20 dB	Front Panel	(in.) 3.56 (h) x 19.0 (w) - mm (93 x 483)
	30 dB @ 107 MHz.)		

POWER REQUIREMENT: 120 vac. @ 75 watts.

WEIGHT: 11 lbs. (5 kg.)

Available in "Rack Mount" configuration as model FT-101R

## PRAYER IN THE VUD?

After watching the debate take place on religion in the VUD I want to say thank-you to everyone who wrote in showing support for my obvious viewpoint on the subject. The person though who I think really deserves credit is Mr. Alan Hyams who, after printing his initial view, proceeded to print several member's views that were in disharmony with his when he could have left a few out so that he did not appear as so much the minority. There are many church leaders I am ashamed to say, that could take a good lesson in honesty and justice from Mr. Hyams. Thank-you Alan for flooring such a controversial subject in your column. I apologize for taking the easy way out and putting this in my column instead of mailing it seperately to you.

## FM ANTENNAS (continued from June)

Omitted last column were several prices from the antenna specifications chart. Part of the problem with the prices is that some are shown as list and some as wholesale. Most of the consumer oriented stuff is at list while most of the cable oriented stuff is shown at approximate "user" price. Anyway, you can go back if you like and fill in these prices: the CADCO @ \$290, the BT YFM5 @ \$295, and the BT YFM10 @ \$520.

Now for my favorites! When shopping, I feel that everything should be compared with the cheapest available. This is polar opposite from what most salesmen try to get you to do. Therefore starting at the bottom, we have the GFM6 Antennacraft. It has to be worth its' price because it's the cheapest thing there. Spending a few more bucks for the R-3 doesn't give us much more gain, looses us a little f:b ratio, but gives us alot narrower of a beamwidth. It's worth the bucks in my opinion. Spending another \$17 gets us the Antennacraft GFM10 with 3dB more gain but a slight loss in the f:b ratio and beamwidth areas. Although these are important, 3dB is quite abit more signal so I feel that it's worth its' price. For \$13 more, we can have the baby Channel Master. Although this is a good antenna, I don't think its' performance will equal the GFM10. Neither do I feel that the value is really there for the QFM9 Jerrold (also being sold under the Magnum brand name). Going up to the Channel Master 4408 (stereo probe 9) seems to me to be the next logical step. This is typically regarded as the dxers delight in fm antennas. The reputation of the probe 9 is so strong that it has somewhat overshadowed the CS6065 Winegard which is also a fine product. The difference is of course the price, about 15% higher on the Winegard. I personally think that the narrower beamwidth of the Channel Master is of greater benefit than the higher f:b ratio and higher price of the CS6065 so I do not consider it (the Winegard) as an option. Neither do I consider the well built J55FM Jerrold, the fine YFM5 or YFM10 Blonder-Tongues as serious options. I discount these antennas because of their intent: They are superbly built to reduce long term maintenance costs on high towers where the cost of one climb can exceed the cost of the antenna. They also perform well but can be outperformed by less expensive models. The remaining antennas all offer something a bit unique. The Sitco MA5FM at \$214 does the Stereo Probe 9 one better but you'll notice alot more empty in your wallet. The CA8FM Sitco and the CADCO are for all practical purposes the same price. Although the CADCO has the best f:b ratio of the bunch, I would bypass it for the Sitco with its' super narrow directivity and excellant (as in humungus) gain.

It would now appear that we have our list of budget bracketed favorites all set BUT there are a whole set of antennas that we haven't considered. Those are the ones we get when we stack 2 or 4 of the antennas already discussed. This gives us several more antennas at roughly 2 and 4 times the prices already shown. Although we could spend alot of time on stacking procedure, I would be remiss if I did not point out that the VUD has had excellant articles dealing with this subject in the past. Most notable are the August 76 and Dec. 73 issues, and the superb article on stagger stacking by Bill Thompson in the June 82 issue. If you're going to stack, it would certainly be worth your while to consult these back issues. I have only the June 82 issue but maybe someone out there could run some copies off for those who wanted them. If there is enough demand, we can spend a couple of issues on stacking theory and practice. Without going into alot of theory this month though, we will assume that most dx'ers will stack pairs of antennas horizontally and 4 antennas in quad arrangement as shown in the earlier photo.

With horizontal stacking, a phenomenon takes place called pattern multiplication. Instead of the pickup patterns adding and subtracting from each other, they multiply and divide each other! This drastically and advantageously changes the pickup pattern especially the beamwidth of the main lobe. Although using wide beamwidth antennas in a stack will give considerable sidelobes, it is possible to get the frontal pickup lobe of even a dipole down to about 300 by horizontal stacking! Using narrow beamwidth antennas will not alter the stacked beamwidth by a great degree but will alter the sidelobe factor tremendously.

## FM Antennas - cont.

Going back now to our budget bracketed favorites and adding in the "antennas" formed by dual and quad stacking, we come up with the following list in order of price and deleting the antennas we discussed.

Brand	Model	Price	Gain	f:b	Beamwidth
AC	GFM6	\$ 27	5 dB	19dB	72°
RS	151638A	30	5½	17	60
AC	GFM10	47	9	16	64
AC	GFM6 x2	54	7½	19	30 w/sidelobes
RS	151638A x2	60	8	17	30 " "
CM	4408	79	10	16	47
AC	GFM10 x2	94	11½	16	30 " "
AC	GFM6 x4	108*	10	19	30 " "
RS	151638A x4	120*	10½	17	30 " "
CM	4408 x2	158	12½	16	30 w/ smaller sidelobes than above
AC	GFM10 x4	188	14	16	30 w/ sidelobes
SC	MA5FM	214	11	17	35
SC	CA8FM	268	14	22	32
CM	4408 x4	316*	15	16	30 w/ smaller lobes
SC	MA5FM x2	428	13½	17	26
SC	CA8FM x2	536	17½	22	22 sidelobes on stacked Sitco's are so
SC	MA5FM x4	856*	16	17	26 small as to be considered non-
SC	CA8FM x4	1072	19	22	22 existent

Notice that 4 combinations are marked with an\*. These are configurations that for their added cost do not represent the kind of performance gains you may expect so do not deserve alot of our attention. Also, many of the "upgrades" offer increased performance in one area only but may show a detriment in another area such as sidelobes, windloading, etc.

Two things which should be weighed are future expandability and alternate polarity pickup. When you put up a quad stack you are basically going as far as you can with that antenna. Purchasing a higher quality antenna and then stacking when the budget is fatter may make more sense long term. Another option we haven't discussed is using the added antenna not as a signal booster and directivity increaser, but to use it in the opposite polarity. This will allow reception in either polarity to enhance skip performance where polarity often comes down in only one polarity and can change over short periods of time.

All things considered, I would imagine that to have 2 quad stacks (one vertical & one horizontal) of Sitco CA8FM antennas would be the cat's meow (\$2144 plus towers, rotors, cable, etc). Yikes!

Next time for fun we'll take a look at a couple of systems to give us a real world budget idea. If you really want to spend some time with stacking theory let me know. It will of course be applicable to all antennas not just fm.

Thanks for reading. *Aug*

# Vhf-Uhf DIGEST

The Official Publication of the  
Worldwide TV-FM DX Association

# NORTHERN FM-DX

SEPTEMBER 1985

Mixed reviews on this summer's DX so far (this should make for an easy one-liner for the index on the inside of the front cover, heh!), with Es on most June days but not too high in MUF or of great length in duration; and much of it in the morning, not great for the 9-5 crowd. The Tropo seems to be in good form; I've had one duct and missed several due to equipment (expletive deleted) and journeys to the big city; heard of good coastal Tropo from a recent hurricane, as well. So the pickins are good, so get pickin' 'n' reportin'...

**ERNEST COOPER - 5 Anthony Street - Provincetown MA 02657**

**JAN 1985**  
20 Tr  
1341 WHAI 98.3 MA Greenfield  
1341 WSUL 98.3 NY Monticello in & out  
**FEB 1985**  
24 Tr-GW  
1101 WPKN 89.5 CT Bridgeport c & comedy  
**MAR 1985**  
31 Tr  
1228 WSUL 98.9 PA Philadelphia r "Power99"  
**APR 1985**  
23 Tr  
0831 WPAT 93.1 NJ Paterson m "Shadow Traffic"  
24 Tr  
1309 WBCS 90.1 CT Willimantic in & out - weak  
**MAY 1985**  
2 GW-Tr  
0230 WRBB 104.9 MA Boston (18.5watts) "Spice-104.9-FM" s  
6 Tr  
0200 WSPK 104.7 NY Poughkeepsie r (WKPE off)  
12 Tr  
1214 WKJY 98.3 NY Hempstead m many ads  
14 Tr  
1642 WVIP 106.3 NY MtKisco m "Stardust-106"  
15 Tr  
1930 WSNJ 107.7 NJ Bridgeton Mutual nx, weak  
2014 WHUD 100.7 NY Peekskill m thru WKKT null  
2042 WNER 100.7 NJ Willwood r very weak  
16 Tr  
0158 WFMZ 100.7 PA Allentown in WKKT null, m solid signal, "FM-100-Plus", my first non-Philadelphia PA FM sta; WNER in too.  
0205 WRDR 104.9 NJ EggHarborCity (7-saul)  
0224 WDAS 105.3 PA Philadelphia b & r contests  
0250 WDSO 94.7 DE Dover-Smyrna k  
0919 WYFI 99.7 VA Norfolk g solid past 10001  
16 Es  
1253 WBIZ 100.7 WI EauClaire r in for 7 mins.  
1314 WJMT 93.5 WI Merrill wx for Menasha, Tomahawk, & Merrill; 2 ads. (Hi Franki)  
16 GW-Tr  
1708 WJGQ 98.3 NJ New Brunswick m ads (No reply to QSL request, help Joe Fela?)  
22 Tr  
0123 WKGL 92.7 NY Middletown r "92-Rock-7"  
28 Tr  
0220 WJUT 92.7 NY Herkimer MYL  
0254 WKGW 104.3 NY Utica "Nighttime America" & local ancts  
0305 WIBQ 98.7 NY Utica b wx  
31 Tr  
0223 WSEA 93.3 DE Georgetown "Sea-93" "From Greenwood to Georgetown we're the hot #, C93"

**ROBERT ROSS - Box 4373, Stn. C - London ON N5W 5J2** Ham calls VE3JPC .Times EDT

**EQUIPMENT:** Panasonic RF1115, Marents 2226, dipole, whip, rabbit ears.

(Nice meeting you during my recent excursion to London - Saul) (By the way, a possibility that I may be moving to London.) Robert's report on next page

**DX**  
Saul Chernos  
79 Ridge Drive  
Toronto Ontario  
Canada M4T1B6

(Am curious re setup, don't think you ever told us - s.c.)

**JUNE 1985**  
2 Es  
1919 WOKK 97.1 MS Meridian mx by the Nitty Gritty Dirt Band (don't tell me you listen to that filth!-saul)  
1932 unID 93.5 Interview w/k mdians, ads. letters sent to WKLY-MS, WQGL-AL, in Meridian area; WKLY didn't reply, WQGL QSLd. (unless they're specific re prga content in QSL, a QSL can't be trusted; some stations QSL no questions asked-saul)  
3 Tr  
0152 WENI 104.5 PA Philadelphia EltonJohn mx  
5 GW-Tr  
1517 WCON 106.3 RI Woonsocket say they'll be WNEP on JUNE 15/85!!!!  
6 Tr  
0240 WPTX 106.5 NY Albany r  
0259 WXXE 95.3 VT White River Junction Larry King, lcl ancts, ex-WNHV since Marl.  
10 Tr  
0200 WCFR 93.5 VT Springfield end NBC Talk-net's Dr.Rubin show, nx, bb scores, r  
0301 WDAS 105.3 PA Philadelphia "Reese in the morning" r  
16 GW-Tr  
0145 WCOM 94.9 NH MtWashington coming in on 94.8 & 95.0, around local WRZE 94.9; b  
23 GW or Tr  
1350 WIMS 96.1 ME Skowhegan m ads weak but steady; semi-lcl WERS Worcester MA off-air  
1451 WLEV 96.1 PA Easton "WLEV plays favorites in the Lehigh Valley" m  
24 Tr  
0133 WQVR 98.3 NJ Ocean City ads mx by the Cars (r)  
0150 WGN1 102.7 NC Wilmington r ads in solid where WNEW-NYC usually is on Tr in mornings  
0228 WDDZ 93.5 NC Shallotte k in nicely till 0300. I was so excited at logging this distant class A that I phoned & the DJ was impressed - said there must be great "Sky Wave" this morning!  
24 Es  
1831 WFPS 92.1 IL Freeport sports & news  
1842 unID 92.5 Briefly o/ WJMT w/ "This is Easy Radio WVEZ (or WY2)" & gone; I'll never know who.  
1903 WMBE t 96.7 MO Memphis wx theatre nx, plug for K.City bb at 7:35 p.m., calls sounded like KBEM though. (Get a list of the Royals' bb stations-Saul)  
Thassit, Ernest.

**ROBERT ROSS cont'd**

**JUNE 1985**

8 Tr  
1901 WFSE 88.9 PA Edinboro good  
1912 WKSU 89.7 OH Kent Good  
1925 WYFM 102.9 PA Sharon "Y-103" VGD  
1933 WZLE 104.9 OH Lorain g Vgd  
1948 WHEM 102.5 NY Buffalo "Rock 102" Vgd  
1952 WREO 97.1 OH Ashtabula "FM-97" Exc  
2008 WQSD 89.3 PA Pittsburgh Fair  
2015 WYSU 88.5 OH Youngstown fair  
2032 WCSB 89.3 OH Cleveland fair  
2130 WCFM 90.3 OH Cleveland vgd  
2300 CING 107.9 ON Burlington "FM108" oldies  
2308 WBEA 107.3 OH Elyria "B-107" Vgd  
9 Tr  
0112 WOBC 91.5 OH Oberlin fair  
0128 WNEE 94.5 NY Buffalo good

**BOB ZENT - 1835 Fruit St. - Huntington IN 46750**

**MARCH 1985**

12 Tr (WFMQ off-air)  
1531 WLST 95.1 WI Marinette calls in jingle 290  
29 Tr  
0925 WXYE 95.5 PA Johnstown ID lcl ads 325  
**JUNE 1985**  
2 Tr  
0009 CBBG 106.3 ON Sarnia s-off 200  
5 Tr  
2003 WJHS 89.9 OH West Chester ID (followed by 18 mins of silence (a test?-saul) 120  
7 Tr  
0609 WNKU 89.7 KY Highland Hts ID 140  
8 Tr  
2222 WKDF 103.3 TN Nashville stn promo 330  
2232 WSAK 105.5 KY FtKnox ID 210  
2240 WKMO 106.3 Hodgenville "KMO wx..." 230  
2300 WTHY 107.5 TN Lebanon ID 325  
2305 WLAC 105.9 TN Nashville stn promo 330  
2315 WZEZ 92.9 TN Nashville "It's 11:15 at middle TN's favorite place for the weekend, Easy (EZ) 93". 330

We've had quite a lot of E-skip during the past month, but MUF rarely goes above TV-4. Hoping for some good FM openings during July. (As it turns out few FM openings, at least for me, but some very nice, long ones-saul) 73s, Bob.

**DAVE NISMAN - Akron NY 14001**

**JUNE 1985**

1 Es at 1830 MUF 90.9 gone 1850 no IDs  
2 Es at 1815 MUF 90.9 gone 1930 no IDs  
7 Es  
1232 KCNT 88.1 NE Hastings r 1025  
8 Es 1100 for few hrs in & out, no IDs  
9 Es  
1115 ZEM 89.1 EM Hamilton r \$ 1000  
14 Es  
1331 KSLU 90.9 IA Hammond pr \$ 1070  
1338 WYTN 96.3 MS Jackson kr \$ 970  
16 Es  
1130 WPCS 89.3 FL Pensacola g \$ 975  
17 Es  
1157 KSOZ 91.7 MO PtLookout c \$ 850  
19 Es  
1059 KUWR 91.9 WY Laramie c \$ 1375  
23 Es  
1016 KMCM 92.5 MI Miles City r \$ 1340  
1050 KSLM 93.3 ND Jamestown r \$ 1010  
1100 KSDY 95.1 MT Sidney \$ "Country95" 1275  
1401 KGGG 100.3 SD Rapid City r \$ 1220  
1422 KFJM 89.3 ND Grand Forks c \$ 950

**SEPT '85 NORTHERN FM DX (2)**

**JUNE 9 Tr cont'd**

0150 WRUV 91.1 OH Cleveland Very good  
2200 WSEB 102.3 PA McKean "Red-Hot-102" good  
10 Es  
1758 KKED 90.3 TX Corpus Christi good c  
1815 KSEJ 88.1 TX Humble g Vgd  
11 Tr  
1605 CHUM 104.5 ON Toronto "Chum-FM" gd  
15 Tr  
0042 WHYT 96.3 MI Detroit "96HYT" ex-WJR VGD  
17 Es  
1200 KAEF 88.3 AR Little Rock "FM-88" j good  
18 Tr  
0203 WVNO 106.1 OH Mansfield "Mansfield's Light Rock" very good  
25 Tr  
0200 WCML 91.7 MI Alpena j Vgd

**JUNE 9 Tr**

0000 KZRO 104.3 AR Marshall ID 510  
0100 WUTC 88.1 TN Chattanooga ID 400  
0105 KWPM 93.9 MO West Plains wx ID 440  
0110 KKYK 103.7 AR Little Rock ID 550  
0200 KSSN 95.7 AR Little Rock ID 550  
0203 KAEF 88.3 AR Little Rock ID 550  
10 GW-Tr  
1645 WJHS 91.5 IN Columbia City testing (new station) 19  
2300 WLSO 92.7 IN Spencer ID 127  
16 GW  
2300 WDFM 98.1 OH Defiance tests, (will be on air officially June 25/85) 50  
23 Es  
1020 WKSQ 94.5 ME Ellsworth "E,ME wx" 850  
1026 WRDO 92.3 ME Augusta ad, phone-in 780  
230 (previously logged on 92.1 as WSCL)  
1028 WZID 95.7 NH Manchester ID 700  
1029 CKBW2 93.1 NS Shelburne County ID 1000  
(a relay of CKBW-AM-1000 Bridgewater NS)  
1338 KEXX 93.9 TX Corpus Christi lcl PSA ID maybe more Es, had to go at 1340 1130

**JULY 1985**

1 Es  
1224 KBXR 97.3 OK Weatherford r \$ 1160  
2 Es  
1200 KJBS 100.1 LA Bastrop k \$ 1000  
1233 WWOZ 90.7 LA New Orleans e \$ 1090  
1300 KQTZ 105.9 OK Hobart r \$ 1220  
1421 WKOR 92.1 MS Starkville r \$ 860  
1516 KRRV 100.3 IA Alexandria k \$ 1110  
8 Es  
1244 WFIT 89.5 FL Melbourne rp \$ 1050  
1252 RADIO HAVANA 90.3 CUBA Havana nx \$ 1400  
1348 WFAM 90.9 FL Jacksonville j \$ 900  
1359 WZNE 97.9 FL Clearwater r \$ 1060  
1402 WLGA 95.9 GA Valdosta r \$ 895  
1431 WFRJ 90.5 GA Galsibus g \$ 820  
1508 WFFC 93.3 GA Manchester "Victory93" g \$ 780  
1814 WHOP 98.7 KY Hopkinsville k \$ 630  
1830 KADL 94.9 AR Pine Bluff k \$ 940  
1933 KFFX 104.9 KS Emporia r \$ 975  
1939 KUDL 98.1 KS Kansas City r \$ 870  
1941 KCLY 100.9 KS Clay Center \$ t Kcb 1000

**JULY 12 Es**  
 2132 KILL 90.1 SD Porcupine r \$ 1170  
**15 Es**  
 1047 KCSD 90.9 SD Sioux Falls c \$ I 885  
 think it was first day on air  
 1113 KRLS 93.9 SD Rapid City r \$ 1220  
 1120 KWTR 93.7 SD Winner r \$ "Magic93" 1065  
 (WBLK off-air)  
 1130 KSCY 95.1 SD Deadwood r \$ 1250  
 1132 KCRG 94.3 SD Brookings r \$ 885  
 ("Rock-94")

**JULY 15 Es cont'd**  
 1144 KMIT 105.9 SD Mitchell k \$ 975  
 1201 KRSD 88.1 SD Sioux Falls c \$ 885  
 (Minnesota Public Radio)  
 1204 KYSR 97.9 SD Rapid City g mono 1220  
 1216 KQLT 103.7 WY Casper b \$ 1380  
 1231 KBHE 89.3 SD Rapid City c \$ 1220  
**COMMENTS:** By far the best month-and-a-half of E-Skip I've heard in years. I had enough relog IDs to fill two pages in a report. -Dave.

A Sony TFM-1102 with a 34' tower & rotor - BURNT RIVER ON

**EQUIPMENT:** Saul Chernos.

Ever get the feeling that your equipment OWNS you? Everytime a good opening happens, my equipment seems to go pthrvvttt! The missed DX, The repair bill, I think my sanity's been lost somewhere in the backwoods of Burnt River. So that explains many non-DX days:

**JUNE 1985**  
 22 Es (cont'd from last month)  
 2123 WUWF 88.1 FL Pensacola  
 2125 WJST 94.5 FL PtStJoe WolfmanJack "T-94"  
 2135 WTRQ 92.1 FL Williston k  
 2150 WMAW 88.1 MS Meridian  
 2151 WCKW 92.3 IA LaPlace "RiverParishRadio"  
**23 Es**  
 1421 KWTR 93.7 SD Winner "Magic93" r  
**24 Es** (best Maritime Es ever here)  
 1602 CENM 90.3 NF Marystown CBC-Radio EE wx  
 1604 CKOZ 92.3 NF CornerBrook r "Oz-FM" wx  
 1605 CBAP 29 88.1 PE Charlottetown CBC-Radio FF  
 1606 CBAP 26 88.5 NB Moncton (new territory!)  
 1614 CBAA 90.5 NB Campbellton local CBC prgm  
 1615 CBGA 17 89.3 PQ Gaspé (1stPQ by Es)  
 1620 CBCT 96.9 PE Charlottetown EE CBC QTH  
 1621 CHLQ 93.1 PE Chctown QTH (under worst lcl.)  
 ( & even atop CHAY, 1st 93.1 Es stnl)  
 1636 CBHC 89.1 NS Truro EE CBC NSnx  
 1640 CBTP 89.5 NF Portland Creek lcl nx EE CBC  
 1646 CBVG 88.5 PQ Gaspé EE CBC area nx  
 1655 CBKF 4 91.9 SA Bellegarde FF CBC w/lcl wx  
 so I know direction changed, still Canada!  
 1700 KNPR 88.9 ND Minot KME-KMPR dual ID legal  
 1706 CBK 96.9 SA Regina CBC \$ EE local wx  
 26 Tr  
 1725 CBF 100.7 PQ Montreal FF CBC \$ o/CHIN

**JULY 1985**  
**2 Es**  
 1200 KRRV 100.3 LA Alexandria "\$-Country-wx"  
 1201 KTEP 88.5 TX ElPaso lcl nx (DISTANT Es)  
 1202 KRVS 88.7 LA Lafayette  
 1205 W??? 90.7 FL Panama City "FM90" QTH  
 1231 KNLW 93.9 TX San Angelo k  
 1236 WQID 93.7 MS Biloxi "94-QID" r  
 1237 KETR 88.9 TX Commerce "East TX State"(univ)  
 1427 WJMG 92.1 MS Hattiesburg  
 1428 WCKW 92.3 LA LaPlace  
 1430 WQST 92.5 MS Forest "92QST", "92Country"  
 1450 WNOO 89.9 LA NewOrleans "90FM" pledges  
 1451 WQJE 93.3 LA N.O.  
 1459 WWOZ 90.7 LA N.O. s  
**2 Tr**  
 1600 WUOM 91.7 MI Ann Arbor wx  
**8 Es**  
 1442 WPAP 92.5 FL Panama City  
 1740 WJLQ 100.7 FL Pensacola r "Q-100"  
 1746 WBYN 89.7 TN Chattanooga "\$-90"  
 1747 WQID 93.7 MS Biloxi  
 1749 WBJJ 96.5 AL Birmingham "Magic"  
 1753 WJUP 96.7 MS Gulfport

**JULY 8 Es cont'd**  
 1756 WWSL 100.3 MS Laurel  
 1759 WMAW 88.1 MS Meridian  
 1759 WUAL 91.5 AL Tuscaloosa  
 1800 WMAU 88.9 MS Bude //88.1 MS netwk.  
 1800 WREB 88.3 LA N.O. talking book  
 1801 WCKW 92.3 LA LaPlace  
 1805 WJUM 94.3 TN Lewisburg AM-FM dual ID  
 1806 WQST 92.5 MS Forest nx  
 1811 WMPR 90.1 MS Jackson  
 1815 WSMU 106.3 MS Starkville sports  
 1818 WKTV 106.7 MS Vicksburg k "KY-Country"  
 1830 WJJC 107.5 MS Magee k  
 1832 WFCA 107.9 MS Ackerman g  
 1847 KABF 88.3 AR Little Rock p  
 1852 KHRT 94.1 AR L.R. "The new K-Lite94"  
 1857 KLRK 90.5 AR L.R.  
 1900 KTKK 91.5 TX Texarkana  
 1901 KSEC 90.1 AR HotSprings g  
 1903 KORE 92.3 KS Newton "Easy 92" b  
 1905 KZZC 98.9 KS Leavenworth "ZZ-99"  
 1908 KYEZ 93.7 KS Salina "KY CountryFM94" k  
 1913 KXCV 90.5 MO Maryville wx (now 85?)  
 1915 K??? 92.5 KS Phyllipsburg QTH  
 1918 KWOD 97.5 OK Tulsa contest  
 1919 KXXY 96.1 OK OklahomaCity "KXY"  
 1920 KRAV 96.5 OK Tulsa  
 1922 KICT 95.1 KS Wichita "T95"  
 1925 KPMZ 98.3 MO Columbia r  
 1929 KEEC 94.7 OK O.K.C.  
 1930 KKNQ 92.5 OK O.K.C. "King" b  
 1930 unID 89.3 g QTH wx for Springfield &  
 lcl nx; ID KWPC - on 97.3, no? WEIRD!!!  
 2000 KHCC 90.1 KS Hutchinson  
 2000 KCSC 90.1 OK Edmond  
 2001 KOBC 90.7 MO Joplin g  
 2002 KJLC 88.5 MO K.City  
 2005 KMUV 89.1 KS Wichita  
 2007 KZOC 92.7 KS Osage City "KZ-93" wx  
 2010 KBUZ 106.5 KS Arkansas City "K-Buzz" DISCO  
 2012 KLZS 97.9 KS Wichita  
**JULY 15 Es**  
 (tnx Mike Reid for call at work)  
 1200 KNSB 94.1 NE Scottsbluff  
 1201 KILL 90.1 SD Porcupine native, EE, Killir  
 1203 KUWR 91.9 WY Laramie NPR wx  
 1205 KDCR 88.5 IA Sioux Centre g  
 1218 KMOW 92.9 NE Scottsbluff contest  
**JULY 18 Tr** (SUPER DUCTING)  
 1117 WSKG 89.3 NY Binghamton  
 2126 WRKR 100.7 WI Racine r  
 2130 WDLM 89.3 IA East Moline Moody g ID  
 2145 WMBI 90.1 IL Chgo Moody g. MORE OCT/85

# REVIEW

ALLIANCE HD-73  
 ANTENNA ROTOR

by Rich Wertman

Well, this rotor is definitely heavy duty, if that's what you're looking for! I purchased an HD-73 two years ago for a very reasonable price and believe I got a heck of a buy. Upon receipt of the rotor my eyes amazed me, seeing how the outer case of this rotor was constructed. I believe that the CDR and Hy-Gain top-of-the-line models at higher prices don't stand up to this one, at least in the case and mounting design.

Most rotors use the body of the rotor to mount the mast into. The HD-73 uses separate 3/4" plates on either side and both top and bottom. These plates are then bolted to the motor body by four 5/16" hex bolts on top and bottom! Then you have three tightening devices for your mast. You have two 5/16" bolts closest to the rotor body, then a H.D. U-clamp through the outer end. If that wasn't enough to hold your mast in place, they also give you two cone-shaped set screws (on top and bottom), which bite into the mast, so it won't move in the worst winds!

## HD-73 HEAVY-DUTY ROTATOR

### with exclusive Dual-Speed Control

For antennas up to 10.7 sq. ft. of wind load area. Mast support bracket design permits easy centering and offers a positive drive no-slip option. Automatic brake action cushions stops to reduce inertia stresses. Unique control unit features DUAL-SPEED rotation with one five-position switch. SPECIFICATIONS: Max. wind load bending moment—10,000 in.-lbs. (side-thrust overturning); Starting torque—400 in.-lbs. (hardened steel drive gears; Bearings—100- $\frac{1}{2}$ " diameter (hardened); Meter—D'Arsonval, taut band (back-lighted). There's much, much more—so get the whole story!



This rotor has two full raceways of 100 ball bearings for smooth operation. It incorporates a new automatic brake system. It is factory lubricated with a lifetime lubricant that will withstand -20 to +120 degrees Fahrenheit. The rotor also uses very heavy pitched gear teeth, which are quite a value for its price! One of the best features, and my favorite, is its dual speed operation. This really comes in handy for pinpointing those real DX stations!

There are a few safety devices on the control box. An internal thermal protector will shut the rotor down if its heat is too great. I find this a pain in the rump when you're having a heavy DX opening, but bypassing it will ruin your transformer or more. The answer to this problem is to keep it cool. I found, by either removing the cover on hot days, or by installing a muffin fan in the unit the control box will never get hot enough to kick out. I installed a muffin fan and a few small vent holes to release the hot air, with fantastic results.

Other than the thermal protector I can find no problem with this rotor. It's rated at 10.5 square feet of wind load, but I think it'll handle more! It will accept 1 3/8" to 2 1/2" O.D. mast (don't bother using 1 1/4"). The rotor weighs 11 1/2 lbs. with both mounting plates on it. The only cheap thing about it is the plastic control box. I personally would like a metal box. However I feel the guts are where they count!

It uses 6 conductor cable which is quite rare; most use 8 conductor and put two on the heavier voltage points. My overall view is good on this unit. I believe it to be well worth \$100.00 to \$140.00, depending where you buy it from! I would rate this rotor a 9 on a scale of 10—only because of the plastic control box. That wouldn't phase my decision though.



# PHOTO-NEWS

David J. Nieman  
12284 Nice Road  
Akron, NY 14001  
U.S.A.



This month we go back to Dixon, IL with more DX photos from Bill Eckberg.....

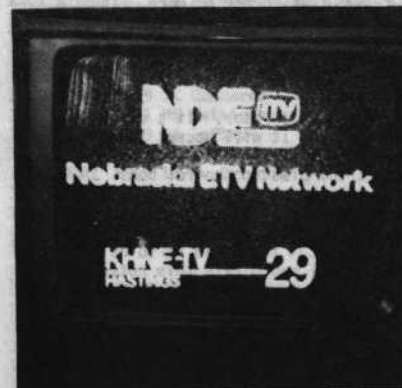
The photo of WUHF-18 was taken about 1963 and was in an old camera Bill had lying around for 21 years before having it developed. "I am 80% certain it is now WTVV-18 Milwaukee, Wisconsin. I also have a picture of this station taken (dated June) 1961 and their call letters were WXIX-18 then. Earlier they were on ch. 19 too. If it isn't Milwaukee someone will know."



KNAZ-2 Flagstaff, AZ 1258 mile  
E-skip from October 16, 1984



WQLN-54 Erie, PA 481 mile  
tropo from October 28, 1984

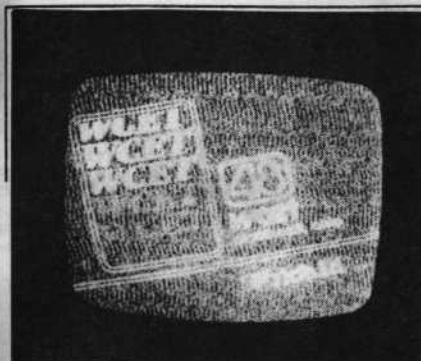


KHNE-29 Hastings, NE 464 mile  
tropo from October 29, 1984

On the next page are some of my DX photos from 1984. They are not as good as Bill's, but still maybe of interest.

Till next time,

Dave



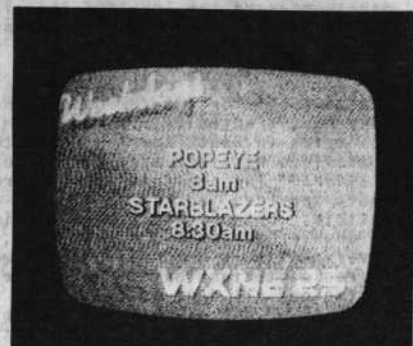
WCET-48 Cincinnati, OH 405 mi.  
tropo from Sept. 12, 1984



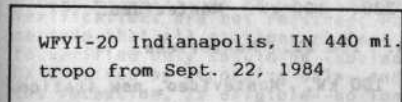
WTIC-61 Hartford, CT 300 mile  
tropo from Sept. 25, 1984



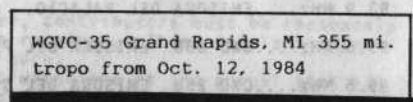
WKMR-38 Morehead, KY 410 mile  
tropo from Sept. 12, 1984



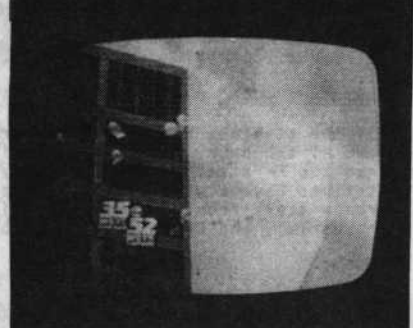
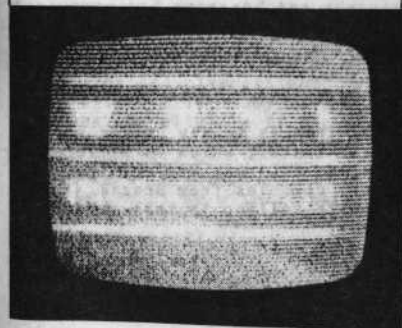
WXNE-25 Boston, MA 375 mile  
tropo from Oct. 11, 1984



WFYI-20 Indianapolis, IN 440 mi.  
tropo from Sept. 22, 1984



WGVC-35 Grand Rapids, MI 355 mi.  
tropo from Oct. 12, 1984



# SPECIAL REPORT

# FM IN URUGUAY

by ANSELMO ROCCAFORTE

I am an electrical engineer and I belong to the technical staff of LR-11 Radio Universidad La Plata, Argentina. I live in a suburban zone, called Ringuet; near La Plata city. La Plata is a city university (as Madison, Wisconsin). I live 45 miles from Buenos Aires City, the capital of the country. I live 1.5 miles from the La Plata River, and across this river is Uruguay; 130 miles away is Montevideo, the capital of Uruguay.

The propagation from the stations over the river from Uruguay is a subject in which I am engaged now. I am using a reference of FCC study publications which I received from Washington DC. My "big problem" is a way to measure the level of the signals in all the bands. I'm writing about the status of the FM stations in Montevideo, as I monitor them in my home and have information from the stations' technical staffs.

Uruguay is a small country, with about 80 MW stations, about 20 TV stations (all in the VHF band), and an increasing number of FM stations. They have granted nearly 50 new FM stations. Uruguay, as do all the countries in South America, uses the 88 to 108 MHz band for FM. Montevideo has increased its number of FMs from two to seven commercial stations. There is one non-commercial which belongs to the government radio services, but it is off-the-air at the time I am writing this article. Uruguay had a big political change several months ago (as in my country a year and a half ago), when they went from a military government to a democratic government. Under the new government the new FM radio stations have come on the air. In my home I can hear 6 of the 7 stations all day, everyday. Of course, the signal level changes with the hour of the day and the weather conditions, but the signals are increasing with the tropo propagation now.

This list shows the actual status:

88.3 MHz...CX 202 EMISORA DE LA COSTA. 100 watts. This station is 10 miles from Montevideo, in Solimar Beach. New station.

93.9 MHz...EMISORA DEL PALACIO. CXA 230. 100 kW. Montevideo.

95.5 MHz...CXD 238 EMISORA DEL PLATA. 100 kW. Montevideo.

99.5 MHz...CXD 258 EMISORA DEL SOL. 100 kW. Montevideo, new station.

100.3 MHz...CXD 262 EL DORADO FM STEREO. 10 kW. Montevideo, new.

101.9 MHz...CXD 270 EMISORA AZUL. 100 kW. Montevideo, new station.

105.9 MHz...CXD 290 EMISORA GALAXIA. Power unknown. New station.

All the stations have a similar programme; that is to say, music with news at the hour. But the music is for all tastes, which is different than the FM stations in my country, which has 90% rock music. The stations have a wide spectrum of equipment: consoles from Brazil, transmitters from USA (Harris, which is ample selling in this part of the world), and CP antennas made by Andrews.

## WTFDA GUIDELINES FOR COMPUTING TV-FM DISTANCE RECORDS AND SCOREBOARD TOTALS

For those of you new to WTFDA, and for those longtime members who wanted to see them again, here they are. These are the club guidelines to be used when counting stations to report your totals to your TV and FM STATISTICS column editors. Remember, they are the club's official guidelines, FOR THE PURPOSE OF COMPUTING CLUB DX RECORDS ONLY. Members reporting to the DX columns are free to use whatever method of counting stations they choose, but must use the standards below when claiming a club record. We do suggest that you also use these guidelines when reporting to DX columns; otherwise, your DX column editor may decide not to use your report. Please note: WTFDA H.Q. supports the decisions of our DX column editors, and reserves the right to delete any reports that are found to be fraudulent.

- 1] A TV station received on more than one channel (when it changes channel, but retains its identity) may be counted once for each channel, excluding change in offset on the same TV channel. Simultaneous reception of the same station on more than one channel is usually a receiver problem only, though you may present evidence to the contrary. An FM station may be counted again when it deliberately changes frequencies, or varies more than 100 kHz from its normal frequency. DXers should be certain they are not counting receiver images or mixing products.
- 2] Stations operating successively on the same channel in a single city that are clearly unrelated (i.e., with different call letters and a hiatus in occupation of the channel, or non-renewal of the first station's license) are counted as separate stations.
- 3] A move in a station's transmitter location does not allow it to count as a new station unless the CITY OF LICENSE also changes. Thus, a station starting in a small city and later moving both transmitter and identity to a larger city, if received during both phases of operation, will count twice. Stations moving antenna from downtown to suburbs, for example, with no change in the city of license, count only once. The addition of a city to a station's identity (multiple city station identification) does not count as a new station.
- 4] A change in call letters per se is not sufficient reason to count that station as new, whether or not a change in ownership is involved in a continuously operating station. Power level or changes in power alone shall have no bearing on these guidelines.
- 5] Sharetime stations (rare cases of two stations in the same coverage area sharing the same frequency at different times of the day) count as one if they share their transmitter; individually if they have separate transmitter sites.
- 6] DX received via cable TV may be counted if the station was received off the air on its original frequency at the CATV headend, from which distances must be measured. TOTALS INCLUDING CATV MUST BE SPECIFIED.
- 7] The precise location of the transmitting antenna of the station shall be the determining factor in computing the DX path distance and tallying the number of political units received.
- 8] Verifications are not required; however, contributors must be reasonably certain that all stations claimed were received. Those totals limited to verified only should be labeled as such.
- 9] DX obtained by recording only, and not witnessed at the actual time of the reception, is eligible--so long as the contributor himself chose the frequency and prepared the recording apparatus. When more than one DXer is present at a DX reception, even as a visitor to another DXer's shack, only those having an active part in the reception may claim the DX.
- 10] Translators and experimental stations, as well as unlicensed outlets such as pirates and clandestines, are eligible. Harmonics of TV video signals are eligible if they fall within another TV band, and those of FM stations are eligible if the harmonics fall within the FM band. But utility stations monitored on FM or TV, and CATV radiation, do not count.
- 11] Any DX received within a 50 mile radius of a DXer's primary location may be included in scoreboard totals; but if more than two locations are used, all must be within an equilateral triangle 25 miles on each side. Include all stations eligible and monitored in scoreboard totals, whether "local" or actual DX.





# STATION BREAK

WTFDA H.Q.  
P.O. Box 514  
Buffalo, NY 14205-0514

WTFDA member ads only. 3 line or 30 word limit.

FOR SALE - Complete set of offset issues of VHF-UHF DIGEST, from May 1972 - June 1984. Total of 146 issues. Perfect condition. \$100, plus shipping. David Walcutt, 211 W. 56 St., Apt. 36F, New York 10019. Phone (212) 315-1286.

TO TRADE - Political campaign buttons from elections, leadership races, rallies, etc. I can supply Canadian political promo stuff best, but I collect American & "Foreign" as well. Saul Chernos, 79 Ridge Drive, Toronto, Ontario CANADA M4T 1B6.

WANTED - USED 6AF4 tubes, or equivalent. Also, Blonder Tongue BTU-2S converter(s). Need not be operable. William Draeb, Ellis St. R.R. #2, Kewaunee WI 54216. (414) 388-2350.

FOR SALE - New Antennacraft P-7's \$64.95, P-5's \$44.95, RG11U 28 cents a foot, 25 cents over 100', .500 hardline connectors to male "F" connectors \$4.50 or two for \$8.00, plus shipping. Write or call Rich Wertman, 315 Pine Street, Lockport NY 14094.

WANTED - One new or used Winegard AC-9730 amp w/housing, also Teknika tuners, please help! Rich Wertman, 315 Pine Street, Lockport NY 14094.

FOR SALE - Winegard 6-element FM antenna, x1nt condition, \$20.00 plus UPS. Eric Bueneman, 836 Lamplight Lane, Hazelwood MO 63042.

WANTED - Belden coax cable RG6U #9060 - 100 ft. Also Channel Master 6' UHF dish antenna (Parascope). I'd appreciate suggestions where to buy them. Yefim Mosenkis, 155-22 Jewel Ave., Apt. 7D, Flushing NY 11367.

FOR SALE - 1 set booms for Winegard CH8200, \$25. I'll pay shipping. Doug Dornbos, 3009 Port Sheldon, Hudsonville MI 49426.

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 assumes no responsibility for any claims made by advertisers--our trust is implicit, as fellow DXers.

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