

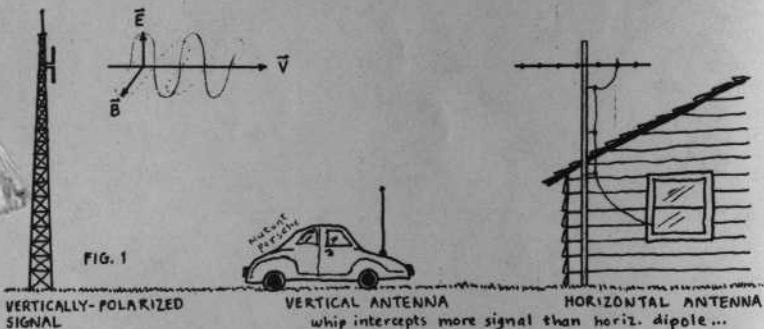
Gang capacitor.

## TECHNICAL TOPIX

What is meant by "polarization"? Why does a TV station broadcast with circular polarization? What's the difference between horizontal and vertical polarization? How does it affect DX? This article should serve to explain this, and introduce the reader to the idea of wave polarization.

Polarization of a radio signal is defined by the direction of its electric lines of force with respect to the earth. Any electromagnetic radiation (radio, light, x-rays, etc.) can be described in terms of three vectors. An automobile moving at some rate of speed and in some specific direction can be represented by a vector. Similarly, a radio signal is described by a velocity vector,  $\vec{V}$ , a magnetic field vector,  $\vec{B}$ , and an electric field vector,  $\vec{E}$ , which are all at  $90^\circ$  to each other. (See Fig. 1)

For radio and TV broadcasting, the polarization of a signal is an important consideration, for it affects how well a program will be received, and to a limited extent, how far. A wave whose lines of force are transmitted perpendicular to the earth is said to be vertically polarized (v). Horizontal polarization (h) implies electrical force parallel to the ground. The physical orientation of the transmitting antenna determines the type of polarization, at least at the onset of the wave's travel, and for the line-of-sight path between transmitter and receiver along a flat earth. Thus, if the elements of the antenna are horizontally oriented, a horiz. signal is transmitted, and so forth.



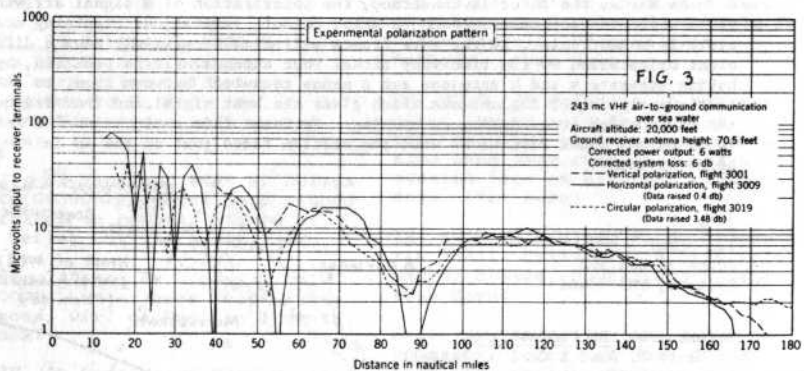
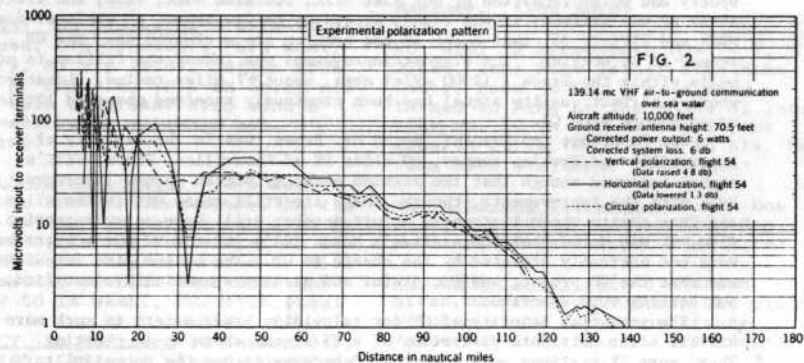
For VHF and UHF frequencies, it is important that the receiving antenna match the orientation of the transmitting antenna. This is because the polarization of a VHF wave remains quite constant. The term "polarization discrimination" means that a vertical antenna will not efficiently intercept a h signal, and vice-versa. This factor may be as great as 30-35 dB. This is a useful phenomenon for DX'ers who have both a horiz. antenna and a vert. antenna on a mast and can switch between them. Sometimes a local station, say, with only an h signal, can be nulled enough by the vertical antenna so that a DX signal can come in.

There are an infinite number of possible antenna orientations, but only h and v are in common use. (A third, circular polarization, will be considered later.) Recognizing that receiving antennas of both types are used, most TV and FM stations simultaneously transmit a h and v signal. It can be said that in the past, everybody in the broadcasting business used h, but later on in the 60's v was authorized to accommodate listeners in automobiles. Also, there is evidence that a vertically-polarized signal carries better into valleys and shadow areas where a h signal would be lost.

Adding vertical polarization to an existing broadcast facility involves investment in a second antenna, and proper cabling/power splitting to enable the same transmitter to deliver power into both antennas with correct matching. Often the second antenna is identical to the first, and is simply mounted on the tower at a  $90^\circ$  angle with respect to the original. For such cases, there is normally no change in the station's ERP or coverage. There is no proof that v signals always carries farther than h signals, but it is true that a v signal undergoes less groundwave attenuation than a h signal of the same power. The vast majority of all FM broadcasters now use both h and v.

Circular polarization (CP) imparts a circular, corkscrew characteristic to a radio wave. Rather than stay fixed horizontal or perpendicular to the ground, the wavefronts make one revolution per period. This is a very important characteristic because it makes the signal much less susceptible to multipath effects. Using CP will practically eliminate TV ghosting in many cases, and will ensure that a FM signal is received with equal quality no matter what the orientation of the receiving antenna.

Figures 2 and 3 are some results of extensive experiments performed in the 1950's using transmitters aboard aircraft—a convenient way to vary the length of the radio path. The graphs pretty much tell the story by themselves. Notice how, for the 139 MHz case in Fig. 2, the transmission from a horizontal antenna suffered some extreme peaks and nulls in the first 35 miles. It isn't hard to imagine living out in the suburbs just far enough from the tower of your favorite TV station to be in one of these nulls. Notice how the vertically-polarized signal tends to fill in the nulls of the h signal, but has its own nulls at other locations. Apparently the simultaneous transmission of h and v signals will minimize the effects of nulls at moderate range.



There is an extremely useful advantage to CP that Figs. 2 and 3 do not show. Firstly, a CP signal can be a right-hand or left-hand type; that is, a CP signal is made to either spin right or left. The receiving antenna must correspond to this choice. For instance, if a TV signal is sent out over a helical, left-hand spiral antenna, a helical right antenna will not effectively receive the signal. If any CP signal is reflected, its orientation is reversed. Therefore, a left-hand antenna will receive only the direct signal, and will reject the right-hand reflections. In this way, multipath problems are almost eliminated. Any linear h or v antenna will still receive the CP signal regardless of orientation.

Commercial broadcasters sometimes invest big bucks to find out where there are nulls or noisy spots in their coverage area. Obviously, station WAAA would not want their signal to be poor in a certain part of town where a competing station's signal, WBBB, comes in loud and clear. Often the use of CP will ensure that local nulls will be cancelled most of the time.

One example of CP broadcasting is that of WEZK 97.5 in Knoxville, TN. This easy-listening station learned of some serious multipath problems from the hills and tall buildings within the city. When the aging Collins h and v antennas appeared in need of replacement, the station decided to use the opportunity to try CP. The appropriate permits were granted by the FCC, and WEZK started broadcasting a CP signal in 1984.

The map of Fig. 4 illustrates the radio problem caused by East Tennessee rough terrain. Knoxville is in a gently rolling valley, but tall hills and low mountains stretch from SW to NE and surround the length of the valley. One problem area in particular was around Sevierville and Gatlinburg. These towns, and the Smoky Mountains Park are all within a 40 mile radius, but are also in the shadow of two long, low mountains and numerous high balds that render all the Knoxville stations very noisy. Here, a translator was set up to re-broadcast WEZK's programming and is apparently a satisfactory solution.

There are several problem areas in the city itself, where there is spotty and noisy reception of not just WEZK, but also WOKI, WIMZ, and WIVK. After CP was started, it was found, according to Jim Brown, an engineer for WEZK and WTVK-TV 26, that a lot of the problem areas cleared up. The CP seemed to be working: the biggest improvement was indeed the filling in of nulls within the Grade A (1000  $\mu\text{V}/\text{m}$ ) area, about 47 miles radius. Locations where a perfect quality signal had been previously received observed little or no change with CP.

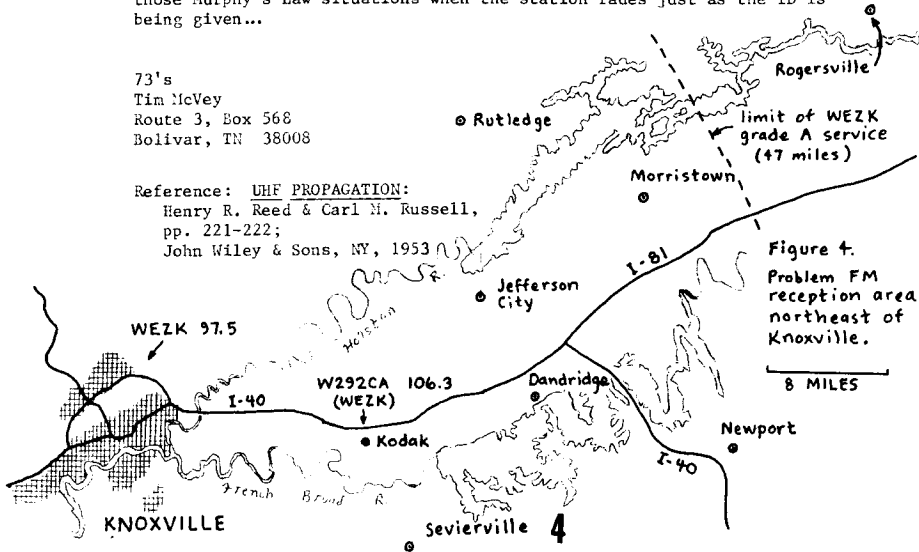
One important improvement, noted Mr. Brown, was in the vicinity of Rogersville and Hawkins county, 60 miles NE of Knoxville. There, WEZK's signal improved enough that the station actually picked up new listeners. Even with the improvements, though, there are still areas within Knoxville and Knox county where listeners, unfortunately, still have noisy reception. Also, it was noted that the station's Muzak SCA's (67 and 92 kHz subcarriers) were not noticeably affected by the change to CP. The bottom line for WEZK was that the CP project was successful and perhaps economically justified, but nothing very spectacular.

The potential benefits of CP for television broadcasters is much more visible since multipath distortion of a TV signal shows up as ghosting. Thus, more TV stations have embraced CP because it has the potential to significantly improve service without affecting coverage.

As far as the DX'er is concerned, the polarization of a signal arriving via a reflected ionospheric path (E-skip, meteor, auroral, or lightning scatter) is a moot point, as the wave fronts will almost certainly have a different orientation by the time they tickle your antenna. It is possible, by having separate v and h antennas and a means to switch between them, to continuously select the antenna which gives the best signal, and thus reduce the fades which occur during an opening. No doubt this would be useful for those Murphy's Law situations when the station fades just as the ID is being given...

73's  
Tim McVey  
Route 3, Box 568  
Bolivar, TN 38008

Reference: UHF PROPAGATION:  
Henry R. Reed & Carl N. Russell,  
pp. 221-222;  
John Wiley & Sons, NY, 1953



## QSL CORNER

THOMAS J. YINGLING, JR  
221 PINWOOD ROAD, BALTIMORE, MD 21222-2345  
PHONE # 301-282-5649



### TV QSL's

**RI WSTG 64 Providence** \* 33 Pine St., Rehoboth, MA zip 02769-1406. Coverage-map, bumper-sticker & full data qsl on index card from John McManus, Engineering Supervisor in 2 weeks. (Yingling)

**NY W59AT 59 Plainview** \* WLIG-TV 55 Riverhead, 175 Crossways Park West, Woodbury, NY zip 11797. Letter from Marvin R. Chauvin, VP & GM which now relays WLIG programs. Also send a bumper-sticker & coverage map. (Yingling)

**MA WHLL 27 Worcester** \* 276 Boston Turnpike, Box 27, Shrewsbury, MA zip 01545. Letter & coverage map from Bece Cantu, Promotion Manager in 1 week. He says they are owned by Hill Broadcasting, which also operates WFTY-TV 50 in Wash., DC. (Yingling)

**CT WHCT 18 Hartford** 18 Garden St., zip 06105. Letter & message pad from Paul A. Rossi, CE in 2 weeks. (Yingling)

**MD WKJL 24 Baltimore** 4820 Seton St., zip 21215. Send back my prepared card after follow-up, signed by Donald E. Elly (?), Operations Supervisor in 3 months. (Holbrook)

**NJ WSJT 65 Vineland** 4449 N. Delsea Dr., zip 08360. Prepared card signed after follow-up report, signed by Daniel Merle, CE. (Holbrook)

**FL WPBT 2 Miami** P. O. Box 2, zip 33261-0002. Letter back from Graham R. Simmons, Dir. of Eng. in 1 month. (Holbrook)

**FL WBBH 20 Fort Myers** 3719 Central Ave, zip 33901. Letter from Howard L. Hoffman, VP & GM in 5 days. (Van Horn)

**FL WCJB 20 Gainesville** P. O. Box WCJB, zip 32602. Letter plus logo sticker from Michael Sherrill, CE in 18 days. (Van Horn)

**FL WIFE 55 Leesburg** \* 4520 Parkbreeze Court, Orlando, FL zip 32808. Prepared card back from chief engineer, but name is unreadable in 14 days. Also send station

promotional material & program schedule. (Van Horn)

**NE KNLE 3 Lincoln** P. O. Box 83111, zip 65501-3111. Letter, NETV factbook & program guide in 21 days from Kent Steele, Asst. Program Manager. (Van Horn)

**NC WFMY 2 Greensboro** Box TV-2, zip 27420. Very nice letter from Mike Conly, Pres. & GM. I have also talked to Mike on the phone at local WTLV ch. 12 in Jax. so send your reports for WLTV ch. 12 to him. He runs both stations. (Van Horn)

**NC WJKA 26 Wilmington** P. O. Box 2626, zip 28403. Letter from Bob LeClair, CE in 7 days. (Van Horn)

**NS CBHT 3 Halifax** no address given, letter, qsl card & CBC cloth sticker in 10 days from Brenda Vandervoat, Secretary. (Van Horn)

**SC WIS 10 Columbia** P. O. Box 367, zip 29202. Letter, prepared card, coverage-map & program schedule from Diane Bagwell, Program/Promtion Manager. (Van Horn)

**SC WOLO 25 Columbia** no address given, brief note from chief engineer, but name is unreadable. Also send desk cube note pad with station logo on all four sides in 33 days. (Van Horn)

**TX KMID 3 Midland** P. O. Drawer B, zip 79711. Letter in 14 days from Shorty Stokes, Operations Manager. (Van Horn)

Reporters this time are Hank Holbrook, Larry Van Horn & Tom Yingling, editor. Send in some more qsl items soon, as I'm low again. In the July VUD, the Layout Assoc. used both pages I send in instead of just one for each month. So in your next qsl report, send in any call letters of stations you found will not verify, or you had trouble to verify. Also send in the person you find does the most verifying. Like do you find that the chief engineer will verify more then the general manager, & so on. Read the comments in last month column for more details. 73's



# NORTHERN FM-DX

Saul Chernos  
P.O. Box 292  
Paris, Ontario  
Canada N3L3G2

AUGUST 1986

Please forgive the absence of NORTHERN FM DX from these pages for the last few months. The newspaper business is proving to be busy - much more so than I ever expected. Plus, I've moved twice in the last two months. To be fair to everybody, I've given careful thought to the whole spectrum of things. Several things must go and one of them will have to be this column. I haven't been DXing nearly as much as I used to, for a variety of reasons, so this column should go to someone more active in the hobby, itself. My reason for slowing down? Many... FM and TV were worthwhile to DX when I had the entire season to spend DXing. On the one day this June we even HAD skip here (a real winner) I only DXed a bit of the time. Too much else to do; also tired of keeping logs; no longer in Burnt River. Many more. I'll elaborate at end and explain the transition. On to meagre rations:

PAUL MOUNT - 471 Emerson Ave. - Teaneck NJ 07666

JULY 1985

29 Tr  
0838 WKCI 101.3 CT Hamden ment.morning fog  
0839 WDRG 102.9 CT Hartford r  
0840 WSWI 104.5 PA Philadelphia r morn.show  
0845 WKMR 106.5 MD Baltimore r "K-106"  
0847 WSNW 107.7 NJ Bridgeton local ad  
0857 WSBH 95.3 NY Southampton  
0858 WJMG 92.1 NY Sag Harbor old r  
0900 WFSI 107.9 MD Annapolis g nx  
0904 WRGN 103.9 NY "Riverhead-West Hampton Beach" rp legal ID

0905 WEEZ 99.9 CT Bridgeport b,solid-no Ocean City  
0907 WSLT 106.3 NJ Ocean City lclad,no WHTG  
0908 WORQ 102.3 CT Stonington ad in Mystic, wx "patchy fog"  
0909 WQHQ 104.7 MD Ocean City-Salisbury "2Q-105" & mention "Delmarva"  
0911 WJMG 103.7 NJ Atlantic City rp "104MGM"  
0913 WJQE 99.3 NJ Pleasantville r "Lucky99WJQE"  
0915 unID 97.3 ethnic language, MA New Bedford?  
0916 WWOZ 94.3 NJ Avalon b ad for Stone Harbor

I've had DX to report before & after this monster Tropo day, but it's written down elsewhere. The above noted while driving from Fairfield to Whippany NJ, then in parking lot in Whippany. Car receiver is a Blaupunkt Aspen SQR24 carstereo. Wx forecasts mentioned 100% humidity that morning. This was an interesting session as both the Jersey-Delmarva and CT shore, plus some inland stuff (Baltimore, DC) was heard. Unfortunately, none of this is countable in my Teaneck log. Having 6 presets in car radio sure helps. Was neat to not hear WFAS 103.9, WHTG 106.3, WWSU, & WBAB 102.3, WJLK 94.3 in favor of something further. WORQ was the real surprise as it's needed in Teaneck, 30 miles closer to CT. Wanted to try every channel before going to work. Also noted 99.5 classical, plus 2-100.3 & WCBZ running 2nd on their channels; 93.3 not WMMR, 103.3 classical. Bob Smolarek had noted similar ex at midnight and Joe Fela at 0300, and Hillary Kane in Brooklyn all night. I then went to my 3rd floor office and listened to WKMR on an ordinary table radio till they faded out at 1030, to the amazement of my co-workers..

ERIC FADER - NEW ADDRESS - 3220 Netherland Ave. - Apt.3G - Riverdale NY 10463

FEB 7 1986 GW-Tr

1305 WFCB 89.7 NY Kingston directional away from me.

MARCH 1986 (17 GW-Tr)

0110 WFSI 103.1 NJ ??? unknown new xitr in northern NJ

APRIL 1986

1 Tr (cold front approaching)

1935 WYFI 99.7 VA Norfolk g  
1959 WFOG 92.9 VA Suffolk  
2001 WESR 103.3 VA Onley-Onancock QTH change, mentioned heavy coastal fog  
2013 WQMS 100.5 VA Norfolk  
2013 WSRZ 96.1 MA Worcester o/WGCB-PA  
2020 Philadelphia PA regulars very strong  
2043 WNRN 94.9 VA Virginia Bch  
2057 WNVZ 104.5 VA Norfolk  
2203 WHTT 103.3 MA Boston sudden, o/WESR-VA  
2206 WBOZ 92.9 MA Boston solid  
2213 WFNX 101.7 MA Lynn, other usual Bostons  
2216 WOKW 97.5 NH Dover  
2335 CBHM 106.5 NS Middleton A SHOCKER as I was expecting Richmond VA. With "CBC Night-cap", solid 9db signal till 000L deep fade. Resurfaced weakly for mention of NS and s-off with O' Canada at 0111 (Apr 2). 1st NS on FM (I've had Halifax TV-3) 515 miles!

APRIL 2 Tr

0015 WHOM 94.9 NH MtWashington very strong at 27db  
0024 WSEB 92.1 ME Sanford r  
0106 WJMT 89.1 NY Schenectady between WNYU s-off and WFDU s-on  
0110 WQNA 107.7 NY Albany; also WPTX 106.5  
0118 WJJB 97.7 NY Hyde Park Most-wanted unheard w/ "98-Fame"  
0123 WAFB 97.7 DE Milford still in despite change in opening's direction.  
0136 WGOY 93.7 MA Lawrence o/CT local  
0202 WYNY 100.9 ME Westbrook-Portland "Y-101"  
0213 WJCO 94.3 MD Salisbury  
0750 NY(Long Island)CT,MA tropo, esp. Cape stations (94.9...)  
1215 WVOF 88.5 CT Fairfield 10 watts!  
15 Tr  
minor general Tr despite rain & low pressure.

Equipment: Onkyo T-9090 w/ rabbit ears.

(ERIC, I've saved your pirate stuff to run separately - saul)

Re the address change above...I'm getting married June 15 to Janet (CONGRATULATIONS!) to whom I've been explaining Tr, Es to the extent that her patience holds up. (Cont'd over)

ERIC FADER cont'd

I've changed jobs, too, for a total lifestyle switch. I'm now a White Plains lawyer after a few years as a Manhattan lawyer, so I should have work hours more conducive to DXing (as well as to married life). (Ed note: I can see it now, your client in middle of cross-examination, evidence mounts, death sentence seems likely, Es opening hits suddenly, MUF soars ... you can imagine the rest. -ed).  
A further note to CBHM Tr April 1-2...The day's wx maps clearly show not only the approaching NE-SW cold front that caused the whole opening, but a little lid representing a warm front just above Nova Scotia, pushing down towards NY and New England. A rare combination of events causing a classic opening.

Some corrections and comments to my last report "as printed" in the FEBRUARY 1986 VUD:

- (1) My SEPT 1985 30th Tr logging of WAEV GA 97.3 was DEFINITELY TROPIC. Steve West of PA had Savannah and other southern GA via Tr that night. Es at 0230 on Sept 30 would be more than just freak. Also I can tell the difference after 11 years of DXing FM. What's interesting about this was the Satellite wx map for that day and the day before - the frontal line along which WAEV's signal rode up to me is very clear, as is the pattern, a rare one, of frontal systems which enabled me to log WJCI 103.1 NY and WDNH 95.3 PA the next day. (Order in the court, order in the court, ... Eric, your evidence as above and your tape prove you most likely did have it by Tropo. Thanks for the tape, enjoyed \$9 as well. As soon as things are settled here I'll get you a sample of Canadian pirates. Funny, I've got a few I'm not sure are MS or Es and once I found out a MS was in fact Es about two years after the fact! Then there was the time I had KY on Tr and FL on Es. I've also had an opening where the only two states I had were FL and KY...both Es...can screw up a fragile mind!-saul).
- (2) Re Oct 26 Pirate... One of us - I suspect you, hi) screwed up my loggings of WHOT and WFUN. (I've since discarded the original loggings so we'll never know. Whatever the case what follows is a correction, what's known in newspaper circles as "the truth" (no comment about legal circles, hi!)-saul): WHOT's DJ is Pete Sake. He does NOT have a terribly accented Brooklynese voice - that was a description of WFUN DJ Neil Down (get it?) (yes, my QSL from their AM station says Kneel Downe, I believe). WHOT was 91.5, WFUN was 91.9. Also, WHOT has never called itself the fun radio station - only WFUN has - so your comment that WHOT and WFUN are the same (next to my Nov 16 log of WFUN) is erroneous. WFUN and WHOT have different locations, different signals, different DJs and have been on at the same time.
- (3) Re your comment about NINE-FM not being on anymore, I think I sent in a report last month, right? It was on about 6 times last month. (If you heard it, I guess so. I remember them (Ed Armstrong) saying (I believe I heard it on another pirate - KPRC maybe) that he was "going on to bigger and better things" and leaving his station. I guess he changed his mind. I've also heard this elsewhere and I see you got them in March. Glad to have 'em back on the pirate scene.-saul)

ALSO...(AND TAKE NOTE, GRAND RAPIDS MI DXer who requested this info awhile back), the ONKYO T-9090 - a tuner not a receiver (hence the "T")...If the Grand Rapids DXer writes to Onkyo he can get a product booklet listing all Onkyo equipment with specs. WHAT IS MORE IMPORTANT TO NOTE IS THAT... ONLY THE ONKYO T-9090 TUNER IS RECOMMENDED. ALL OTHER ONKYO PRODUCTS ARE UNSUITABLE FOR DX'ING!! A look at the specs will bear this out. See Technical Topics in the FEB '86 VUD p.31, at the bottom of the page. Most Onkyo receivers (and tuners other than the T-9090) have alternate channel selectivity of 55 or 60 dB. The T9090 has ADJACENT channel selectivity of over 40 dB. The GRAND RAPIDS DXER is directed to the July '85 issue of STEREO-PHILE Magazine - referred to in an FM News column in the VUD around last Sept) which has an article comparing the T-9090, the Carver TX-11, Mac MR-78 and MR-80, a Luxman rx and a few others. The Onkyo is rated only second to the Mac for relevant FM DXing specs - better than the Carver. The Tandberg (note spelling) is not in the ballpark. I've never used a TX-11, but cannot believe it's any better than the Onkyo's features, too. (dB indicator, 20 pre-sets, automatic computer-controlled bandwidth and other functions) make it a phenomenal machine. (Ed: The May VUD, I believe, also had an article about the Onkyo T-9090). (Thanks, Eric, for your generous answer to the DXer's questions. -Saul)

SCOTT HOOD - Dean Jr. College, Box 971 - Franklin MA 02038-1994

JAN 1986

6 Au(?)

1955 unID 101.1 ? ? r "Q-101" see notes.  
8 Au (with the 5-band)  
1840 WAZU 102.9 OH Springfield r "FM-103", calls sounded like "WAZE" vs, Spring'd wx 670  
1900 WFUR102.9 MI Grand Rapids b "You're listening to 102.9..." (Ed: You can only guess)  
12 GW-Tr  
1250 WNEF 106.3 RI off-air, testing w/ reduced power at 2355.  
13 GW-Tr  
0710 WJCK 106.3 RI Woonsocket r "The new

Wink-106-3-FM". On with full power, but more prone to fades; different xmtr QTH?

NOTES: Logged my first-ever Auroral DX. In regards to "Q-101", I first thought Falmouth MA was on the air and that WJIR NH was just washing it out. But after the confirmed Au opening two days later, I've had second thoughts. Ancr was female, with "soft rock" well enunciated. Is it CHEQ? (Could be, they're "Q-101" almost exclusively to using call letters, but you can only guess. Try again!-Saul) Funny thing was that it was strong enough to receive on the boombox. (More comments next page over)





ROGER WINSOR cont'd

Aug '86 NORTHERN FM DX (7)

KMID-2 for days straight with their TP in June. (Roger, nothing is like it was back in the good old days. Movies. TV. Baseball. Ice Cream. The family. The environment. It figures I was born in 1961.-S). Both WPCD 88.7 & WEIU 88.9 are off until Summer session begins in June. WVJS 89.1 still on w/ r - gives calls most of the time, ex- "The college station". Nothing on 91.3 either from Terre Haute IN. I get lots of Tr there so I should hear it. Good DX to all. -Roger.

ANOTHER REPORT FROM ROGER:

JUNE 11 1986 Es INTENSE

To ND, SD, MT, WY - all new states. All WY stns heard from 5-7:30 pm fade-out.

The following IDs:

KYYZ 96.1 ND Williston  
KBHA 91.3 ND Four Bears  
KMFR 89.9 ND Minot  
KIZZ 93.7 ND Minot "Z-94"  
KCND 90.3 ND Bismarck  
KYYY 92.9 ND Bismarck "Y-93"

KEYZ 96.5 ND Bismarck  
KEZV 101.1 SD Spearfish b  
KRCS 93.1 SD Sturgis  
KBHE 89.3 SD Rapid City  
KKLS 93.9 SD Rapid City r  
KVSR 97.9 SD Rapid City g  
KSQY 95.1 SD Deadwood "K-Sky" r  
KCOH 93.1 MT Sidney "CH-93"  
KSDY 95.1 MT Sidney k  
KCCM 95.7 MT Scooby k  
KMCM 92.5 MT Miles City MT nx  
KIYA 93.1 MT Billings r "Y-93"  
KLZY 92.5 WY Powell r (in for 1 hr!)  
KTAG 97.9 WY Cody great level  
KENB 96.1 WY Worland b great level  
KR0E 94.9 WY Sheridan great level  
KLWD 96.5 WY Sheridan best catch  
KLGT 92.7 WY Buffalo 25'tower o/WMLA

COMMENTS: MUF seemed to be 101.1 briefly. 24 new stations in 2 hours. Rx is GE Superadio II w/dipole & nothing more. Much cross-modulation in this town at my downtown location prevented 97.1 logging of KHHT & KZLS & 96.9 KOLL. TV-2 was a dog-fight between KTW0 & KTVQ & TV-5 KIVV-SD was in for 2-plus hours. About time for Es; First good opening I caught so far. I hope to be at Jamestown this year. (See you and all others there. Be there or be square-S) 73s Roger.

FRED R. VOBBE - 706 MacKenzie Ave. - Lima OHIO 45805-1835

Hope your weather is better than ours. We just experienced our first spell of bad wx here. A tornado touched down in the next county to the west. I could see it on the TV's wx radar. Not too cool! We are now up to full power at WLIO-TV (for several months) with 661,000 watts ERP. Judging from semi-distant reception reports - 60 miles away - we are doing a lot better. In Sidney, OH, we upped our signal strength by 28dB. The new antenna is an RCA TFU-30JA with 1/2 beam tilt. Frank Merrill saw us over in Macomb IL so we must be doing OK. We'll begin stereo prgms May 1 with NBC. Best to all and hope to be doing some FM-TV DX if conditions are right and I get the new antenna up. 73, Fred.

BRUCE F. ELVING - 241 Anderson Rd. - Esko MN 55733-9A13 Times CDT

SEPT 1985  
18 Tr  
0703 KQRN 107.3 SD Mitchell  
19 Tr  
0700 KJKJ 107.5 ND Grand Forks (took tricky rotating to avoid KLIZ MN Brainerd 107.5)  
20 Tr  
0708 KMGR 94.3 MN Sauk Centre  
0814 KDOM 94.3 MN Windom  
26 Tr  
0800 WIRR 90.9 MN Hibbing-Virginia (Buhl /XMTR)  
OCT 1986  
21 Tr  
2158 WJQQ 92.7 WI Tomahawk  
DEC 1985  
7 Tr  
1200 WDMK 93.1 MI Iron Mtn (1cl 92.9 WSCD on low power)

JAN 1986  
19 Tr  
1500 WYTE 96.7 WI Whiting (town has no zip code & letters always returned; can't write them!!!!)  
FEB 1986  
3 Tr  
0800 KBHW 99.5 MN International Falls \$ g  
5 Tr  
2002 KFAI 90.3 MN Minneapolis \$ rare sandwiched in between two area stns.  
6 Tr  
1300 K2AAZ MN Sartell legal ID, St. Cloud QTH given instead of Sartell  
8 Au  
1900 WVPE 88.1 IN Elkhart quite clear w/ Prairie Home Companion from American Public Radio & ment. of underwriters.  
APR 2 Tr 1986  
0900 WGNV 88.5 WI Milladore a new g (Christian) stn w/ interestingly varied mx & prgms. Not predictable like most g stns. Stereo, usually good reception at about 400 km.

COMMENTS: Little time to DX, what with putting out the FM ATLAS and trying to nail down formats and slogans, but the DX seems to be there when I try for it. Can't complain about reception. 73ily, Bruce.

DAVE NIEMAN - Akron NY 14001-9529 ESTimes/ Carver TX-11 with Stereo Probe 9 at 25' (815'ASL)

FEB 1986  
6 GW-Tr  
0847 WJQZ 93.5 NY Wellsville r \$ 70  
8 Au  
1331 WWHI 90.1 IL Chicago g 450  
1842 WQDR 94.7 NC Raleigh r 510  
1901 CBF-? 91.9 PQ ??? FF ???

FEB 12 Tr  
0959 ??? 104.9 PQ ??? FF nr \$ ???  
15 MS  
1315 WCKS 104.9 KY Vanceburg r 390  
I can only guess by the antenna heading as to location. 91.9, first heard by AU, has been heard regularly since its discovery. 104.9 seems to mention (OVER...)

DAVE NIEMAN cont'd

Aug '86 NORTHERN FM DX (8)

...Montreal a lot and the antenna heading is about right but it is too close to 104.5 in same. Neither station can be too far as they are heard daily fading in and out. Just have to wait and see them in FM news column.

\*\*\*\*\*

At this point, with no reports and a page to fill, I'll take care of business:

\* As much as I regret, I'm resigning as editor. I haven't even had the time (and lately it seems desire) for DX. I'm not leaving the hobby by any means but I'm pushing it down the old list of priorities. The life of a journalist is much different than that of a student. I'm also involved with several peace groups, and with recent events surrounding Nicaragua, Chernobyl, etc., there is lots to do. Also, I'm not too keen on starting a new log or even in keeping one. Besides, with one opening here this June (Es)... this column should go to someone more active in the hobby. I look forward to contributing to this column, however, and although I'm not tuning in as much as I used to, I hope to get in some DXing. I'm especially looking forward to the Tropo season. I'm now living on a hill in the highest part of the county. I've told Bill Thompson & Dave Nieman so if anyone is interested they should likely get in touch with them unless an announcement is made elsewhere. I'm going to set the OCTOBER VUD column as the cut-off date. I'll do that one, but by November I hope someone will step in. I'll be happy to offer that person any advice and answer questions. My address as it appears on the masthead is CORRECT despite my many moves. My phone numbers are as follows: (519) area code in all cases: WORK:442-4456/7; HOME 448-3102. Try either at any time. I do not work regular hours and could be at work Sunday at 0400! If all these are tried and you really need to reach me, my parents are at (416)489-8623. I plan to be at Jamestown this year and hope to see you all there. Also may be at ANARC in Montreal in July...not sure yet. I would just like to thank everybody for helping make NORTHERN what I feel was a good DX column. I found the amount of contributions and support and interest almost overwhelming at times!

\* In other matters, the Es made only one appearance all of June on FM, at least according to my own experience and that of some others. This July reminds me much of July, 1980, with only one notable FM opening - the 17th - and what an opening it was! And May 1986 was like May 1980 ... several good openings. Is the Es season advancing? Soon we'll be getting June DX in January. (Just kidding).

\* JOHN SULLIVAN ... I mailed two more CFNY tapes and a TV GUIDE to you.

\* PAUL MOUNT says he is looking to trade tapes of FM (and AM) PIRATES. He is at 471 Emercon Ave., Teaneck NJ 07666-2727.

(More DX reports if more come)

NORTHERN FEATURES - PIRATE REPORTS  
\*\*\*\*\* "Report your pirate loggings or walk the plank."  
\*\*\*\*\* -Cap'n Hook, 1986.

ERIC FADER - 3220 Netherlands Ave, Apt. 3G - Riverdale NY 10463

FEB 1986  
2  
0020 WACL 103.1 NY NYC area with heavy metal mx, usual distorted signal (slightly).

MAR 1986  
17  
0110 NINE 91.9 NY Queens-Nassau area Political material (Anti-Reagan of course)

21  
2206 WNY, WIR 103.1 (Great Neck NY?) (new for me) One of the biggest idiots I've ever heard. Came on calling himself WNY then realized he shouldn't give his location and claimed to be in Stamford CT. Then realized WNY's NY gave him away so became WCT. Then, 20 mins later decided to be "WIR-Digital Radio on the CM radio network". Used the usual Long Island loop-line telephone number (516)549-9906 as well as (203)348-8000. But 'Moanswer' either. Was on past 0000 on 20th w/ a local mono signal, mellow "urban" mx and banal talk.

21  
0021-0026 s-off NINE 91.9 NY Queens-Nassau, said would be on Sat, Mar 22.  
0026 WLEU 91.9 NY Laurelton Bad disco mx until 0050 s-off. OC remained till 0110 with weird noises and tones afterwards. Near Kennedy airport in southern Queens.  
0120 WACL 103.1 NYC heavy metal under tentative WPST-NJ station.

24  
0224 NINE 91.9 QMens-Nassau, said had been on March 14, 15, 16, 18, 20, 21, 22, 23 nights.

MIKE BUGAJ - 69 Sherman Rd. - Enfield CT 06082

JAN 7 1986 : 2130 WPRY 97.05 and 87.65; this is a pirate operating in the Manchester area. \$ Not on much but Sat. and Tues. evenings is a good time to try for them. The 97MHz was rock.



More E-skip from MATT SITTEL (the Pat Dyer of the Eastern U.S.)

JUNE 1986			JUNE 1986			JUNE 1986		
12 E 1044	CKCO2-2	ON 648	14 E 0956	KTVS-3	CO 1152	15 E 1853	unID-3	FF
1052	CKSD1-3	ON 689	0958	KWGN-2	CO 1242	1858	WGBH-2	MA 734
1102	KDFW-4	TX 864	0958	KLNE-3	NE 958	T 1959	W03AJ	VA 92
1126	KENW-3	NM 1206	1129	KCNC-4	CO 1242	(Wytheville)	WKPT-19	
1127	KOTA-3	SD 1233	T 1129	WAVE-3	(IN) 230	16 E 1157	KNOP-2	NE 1071
1127	KDUH-4	NE 1206	15 E 0957	KAMR-4	TX 1116	1210	unID-4	
1128	KNOP-2	NE 1071	0959	KNMZ-2	NM 1310	18 T 1056	WSMV-4	TN 246
1129	KTWO-2	WY 1335	1059	KENW-3	NM 1206	E 1147	KPRC-2	TX 878
1151	KUSD-2	SD 878	1319	KXJB-4	ND 1076	1200	KIII-3	TX 1055
1240	KWGN-2	CO 1242	1321	KDLO-3	SD 990	1200	KMDL-4	TX 1053
1241	KSNC-2	KS 903	1322	CBWFT-3	MB 1182	1218	KRIS-6	TX 1055
1249	KSNW-3	KS 819	1827	WSTM-3	NY 567	1223	KBTX-3	TX 911
"Don't be fooled: they ran ID 'KSN-TV 3'"			1830	unID-4	FF	1258	KTBS-3	LA 702
(Stands for Kansas State Network--jfc)			1841	CHSJ-4	NB 1055	1339	KDFW-4	TX 864
13 E 2052 KFDX-3 TX 936			1844	CBHT-3	NS 1116	1838	ColorVision-2	DR
2055 KIII-3 TX 1055			1849	WBZ-4	MA 734	19 T 1251	WUNC-4	NC 203
			1853	WLBZ-2	ME 919	E 1257	unID-3	PBS
			1853	KCKC-2	NB 1107	20 E 0928	unID-2	SS
			1853	WFSB-3	CT 642	21 ? 0930	unID-3	CBS audio

**EQUIPMENT:** CM 1160 Quantum w/amp @ 34' AGL (1453' MSL)  
 Archer U-120 @ 30' AGL (1449' MSL)  
 Both connected to CM 9512C rotor  
 Zenith 19" Color/Panasonic 5" B&W/Sanyo VCR 4400



- NOTES:**
- 1 -- "Turned on TV at 0858 and greeted by TP saying: "NEBRASKA ETV CENTER" in sparkling color! Before I could get a tape in, it was gone and never came back. For 6 years KLNE has never let me see a clear ID!"
  - 2 -- "At one point I had 2,3,4 all with 'TV Worth Watching--Prairie Public TV,' for 10 minutes, and then pgmg at 0900 without any type of a sign-on, except for playing the National Anthem." (Yeah, getting individual IDs on some of these statewide ETV nets is like pulling hen's teeth! [Anyone ever REALLY try that?]-jfc)
  - 3 -- "Up to this point I had never logged a TV-6 station, mainly because WCYB-5 overlaps 6 a good deal..."
  - 4 -- "This was weird! I was logging KFDX-3 and KXJB-4 at the same time. Then 1/2 hour later I logged KDUH-4 and KACB-3 at the same time (the former are 750 miles apart, the latter 900 miles apart)." (Multiple clouds are common in really intense openings, and can make things really hectic and difficult to ID--jfc)
  - 5 -- "TP consisting of 7 columns of colors. (Known as a "full color bar" TP --jfc) They were playing rock music selections that were hits in 1985. In the middle of one song, a voice came on in SS, screaming like a maniac! I doubt it was XHY-3; they never seem very excited about anything...(Chuckle--jfc)...I wonder if it was pirate TV?" (I'm 99 44/100% sure it wasn't. It could have been any Mexican or Central American, though the "screaming" makes me think of Sr. Castro--jfc)
  - 6 -- "For 3 straight Saturdays I had logged KOET-3, and the last 2 were at the exact same time." (Mild-mannered DXer Sittel had just entered...the Twilight Zone...doo-D00-doo-doo doo-D00-doo-doo--jfc) **TWILIGHT ZONE**
  - 7 -- "I had waited 10 years to see these two."
  - 8 -- "Had a neat ID. They started with XHCH-2 Chihuahua, then it faded to where all I could see were the #s: 13, then 8, then 7. Wish I had seen all of it!" (Probably XHCH-2; I think LVH has noted the same ID--jfc)
  - 9 -- "Nothing like spanning the countries! At SE was ColorVision, at NE was CKPR. The 2 are over 2750 miles from each other! (Wonder if any Canadians caught the Dominican?--jfc)

"I don't know how it has been for everyone else, but this May was the best May I've ever seen for Es here. I finally saw KOB-4 and KYUS-3. It POURED Es for awhile, with huge days occurring, such as May 17th I only got FM Es twice last year, and have already gotten more FM than all last year...WSJK-2 is now off until 1500 weekdays, which will hopefully clear up Ch. 2. Everything up to now has been over WSJK, which can be hard. I'm receiving CBN Cable on Ch. 3, and we don't have cable. I'm tired of it and hope it isn't blocking any Es...June 11 I logged nearly every 2,3,4 from TX to SD/ND and over 100 FMs...After 6 years I saw ColorVision-2 again. It has not changed in all these years!"

Bob Seybold, Bennett Rd., Dunkirk NY

(EDT)

JUNE 1986

9 T Evening: "Good opening; steady" WANE-15, WNDU-16, WLFI-18, WPTA-21, WSBT-22, WEYI-25, WSJV-28, WFUM-28, WFLD-32, WKJG-33, WMIT-34, WCFC-38, WUHQ-41, WMSH-46, WGGN-52, WFFT-55; also WFYI-20 and WHMB-40 I-polis IN

10 E Evening: "Started in FL in late evening, moved across Gulf states and then up through West to Northwest. Continued all night into AM of 11th and lasted until 2200 on 11th with no letup. Best opening in years. Some double-hop to MT and ID; also hit Channel 7 on 2 occasions--once with KOAM-7 Pittsburg KS and other unIDed. Covered all low-band channels through most of opening. Too many seen to list all, so will list only new and partial old:

WPBT-2	FL	WEAR-3	(AL)	KID-3	ID	WTVY-4	(FL)	KRMA-6	CO
WBRZ-2	LA	KTBS-3	LA	(1650 mi.)	KDUH-4	NE	WCPX-6	FL	
KPRC-2	TX	KATC-3	LA	WTVJ-4	FL	KHAS-5	NE	WCIX-6	FL
KJRH-2	OK	KBTX-3	TX	WWL-4	LA	WPTV-5	FL	WDSU-6	LA
KSNC-2	KS	KSNW-3	KS	KDFW-4	TX	KXAS-5	TX	KOTV-6	OK
KWGN-2	CO	KTVS-3	CO	KTVY-4	OK	KOCO-5	OK	KAUZ-6	TX
KTWO-2	WY	KOTA-3	SD	WDAF-4	MO	KYCU-5	WY	WDAY-6	ND
KNDP-2	NE	KOET-3	OK	KXJB-4	ND	KDLT-5	SD	CKRD-6	AT
KTVQ-2	MT	KLNE-3	NE	KCNC-4	CO	KTVC-6	KS	(1700 mi.)	

(ED. NOTE: I added virtually all the call letters above. Distances are also mine, measured very approximately on a map. Bob listed a Channel 5 as "Enid" which I take to be KOCO-5 Oklahoma City. He also listed a Channel 5 in "Dawson Creek, Alberta." Dawson Creek is in BC and has no Ch. 5. Also listed was a Channel 6 in Shreveport--I have no idea. This report arrived right at deadline and I didn't have a chance to contact Bob to try to resolve these. Sorry--jfc)

12 E "Some E-skip for short time confined mostly to Channels 2 & 3 (briefly on 4 & 5. WBRZ-2, KTBS-3 and a few others."

"Other new loggings since last report include WBNX-55 OH, WKAF-68 NY, and WJPR-21 Lynchburg VA. Did notice considerable E-skip in May, but did not log it. Very busy here with not much time for DX. 73's."

Harry J. Hayes, 9 Henry St., Wilkes-Barre PA 18702 (EDT)

MAY 1986		MAY 1986		JUNE 1986	
16 E 1800	KQTV-2	MO	25 E 1032	WPTV-5	FL
17 E 0900	KSNC-2	KS	1500	KUSD-2	SD
	200B	WRCB-3	TN		
	2100	MMAB-2	MS	8 T 1801	WTZA-62
18 E 1300	KUSD-2	SD	10 T 1930	WCDC-19	MA
	1300	KMTV-3	NE	E 1930	WPBT-2
25 E 1029	WCIX-6	FL	2045	WESH-2	FL
				11 E 0735	WTVY-4
				1916	KFDX-3
				1926	KNOP-2
				1852	WBTV-3
				1928	WPBT-2
				21 T 2000	WCDC-19
				22 T 1100	WVTA-41

**EQUIPMENT:** RCA 25" Chromacolor Finco 6' dish  
 Winegard 2-6 antenna PA-4975 amp  
 CM VHF amp 2 CM 7206 UHF traps for overload  
 (All antennas above inside attic)

"Some of my more common type of E-skip loggings have been deleted from this report. We're in the second dry period for Es of the season, this being June 27. There hasn't been any Es noted since the 15th."

**EDITOR'S CORNER**

I hate to sound like a broken record, but let me remind you of a few things. The deadline for the column is the 1st of the month, meaning your report must be in my hands on or before the 1st to be assured of publication in that column. Reports arriving on the 2nd or 3rd are sometimes used, but no guarantees! Mail your report by the 25th of the previous month to assure arrival by the 1st; a couple of this month's reports were postmarked the 30th, and that cuts it rather close. Include date, mode, time (24-hr. clock), calls, channel, and state for each logging. Please try to include at least approximate mileages. Indicate your time standard; I will assume you use the official local time at your QTH unless you indicate otherwise. UnIDs should be sent to Robert Grant unless unusual or noteworthy. Station info, articles, etc. should go to Bill Fahber. Am I being picky? I hope not. I'm open to comments & criticisms--jfc.



APRIL 1986	MAY 1986	JUNE 1986
25 E 1530 unID-2,3,4 SS 1557 KIII-3 TX 800 30 E 1230 XEW-2 ? DF T (XEW ID slide)	21 E 1130 KCNC-4 CO 1080 23 E 1000 XHRID-2 TA 890 1015 XEFB-2 NL 1033 XEW-2 ? DF T 24 E 1835 KNOP-2 NE 905 1900 KWNB-6 NE 780 2100 KLNE-3 NE 860 2229 KWGN-2 CD 1080 25 E 0845 unID-2 0958 KNOP-2 NE 905 1100 KSNB-4 NE 740 1129 KNDX-2 ? ND T 30 E 1136 Cuba-2,3,4,5 // "NTV News," a 'TR' circled, then 'TVC' before s/off at 1230; color bars left on all 2-5"	10 E 2058 KGBT-4 TX 870 11 E 0749 CIII2-2 ON 0752 CBOT-4 ON 920 0900 WPBT-2 FL 702 0903 XEW-2 ? DF T (XEW ID slide) 1145 KRGV-5 TX 12 E 0900 KMID-2 TX 900 0901 unID-2,3 PBS 0930 KFYR-5 ? ND T 1000 KBME-3 ND 1140 1030 KGFE-2 ND 1120 1031 KNDX-2 ND 1220 1102 unID-2 CBC 14 E 0830+ unID-2 to 6 2010+ unID-2 to 6 15 E 0716+ unIDs-2 1029 WCBS-2 NY 790 1150 KFYR-5 ? ND T 1713 WLBZ-2 ME 1160 15 E 1111 KUSD-2 ? SD T 1130 KNDX-2 ND 1220 1130 KPRY-4 SD 1020 18 T 1129 WPSD-6 KY 210 19 E 1115 unID-2 "Ottawa Midday" 1137 KLNE-3 ? NE T 20 E 0845 XEFB-2 ? NL T 1300 unID-3 ABC 1932 unID-2 21 E 1823 KMID-2 TX 900 22 E 1109 XEFB-2 ? NL T 1110 unID-3 SS 25 E 1129 KTWQ-2 WY 1220 1428 unID-2 to 6 1533 KWGN-2 ? CO T 1537 KNOP-2 ? NE T 1539 KLNE-3 ? NE T 1614 KOTA-3 SD 1120

EQUIPMENT: RCA 25" color, rabbit ears (VHF).



"Here is my first TV-DX report; also the first TV-DX I've kept record of. I did see some Es last year using my 6-element FM antenna on VHF. But I found out the rabbit ears give much better results and began using them in April this year. Had some problems with cable leaks while using the FM, but not as bad with the rabbit ears. I found out I can eliminate the leak by unhooking the cable at the grounding block outside my house. It may be awhile before I report agn unless Es stays active (hope so--jfc) or tropo picks up (that would be nice, too--jfc). UHF DX is on hold. I have a 4-bay bow-tie that needs new twin-lead but about the best it will receive is Birmingham at 70 miles. It would take a big set-up for UHF in my area. 73's..."  
(Welcome, Keith! So nice to have another new reporter from the South! Tropo can be pretty intense at times south of the Mason-Dixon, so don't write off your set-up yet--jfc)

**NEW KID ON THE BLOCK**

Larry Van Horn, 160 Lester Drive, Orange Park FL 32073 (EDT)

"Greetings to all. I hope all WFDaer's DX the last month has been as good as mine and a lot of you have added to your log totals. Undoubtedly the DX during the June 10-11 time frame was the best E-skip I have viewed since I have been DXing TV. 29 stations were logged, 19 of these were new."

EQUIPMENT: Magnavox AV7300 Component Tuner U-75 Radio Shack Corner Reflector  
Magnavox CM8562 Color Monitor Radio Shack rotor  
Sears 13" B & W Regency MX-7000 scanner (audio)  
11 element VHF/UHF log periodic Panasonic RF-3100 (Ch. 6 audio)

LARRY'S LOGGINGS APPEAR ON THE NEXT PAGE...BE THERE!

JUNE 1986	Van Horn--continued	JUNE 1986	JUNE 1986
1 T 2150 WJSE-43 SC 306 10 E 1115 unID-2 SS 1205 KIII-3 TX 974 1230 XHRID-2 TA 1006 1400 WBAV-2 WI 1041 1430 KIMT-3 IA 1040 1515 KJRH-2 OK 900 1520 KQTV-2 (KS) 986 1830 TeleAntillas-2 DR 1100 1856 ColorVision-2 DR 1910 KTBS-3 LA 739 1920 KBTX-3 TX 851 1923 KPRC-2 TX 825 1926 KENS-5 TX 992 1927 KXAS-5 TX 913 2031 KFDX-3 TX 1016 2115 TeleAntillas agn 2156 KJRH-2 OK 900 (MUF Ch. 6) 2315 KIII-3 TX 974 11 E 0015 unID-2,3,5 0057 KMID-2 TX 1220 0100 KAVE-6 NM 1333	11 E 0104 KTXT-5 TX 1203 T 0107 WCTV-6 (FL) 160 E 0200 "Finally gave up --Es still in" 0750 "Es in when I awoke--MUF 3" 0843 unID-2,3,5 0855 MUF Ch. 6 0856 WFSB-3 CT 943 0929 KYW-3 PA 774 0930 WJMN-3 MI 1137 1015 KRIS-6 TX 973 1030 KBTX-3 TX 851 1115 unID-8 CCI 1131 WDSU-6 LA 491 "Heard on Car FM" (MUF to 162 mHz) 1229 KXAS-5 TX 913 1300 KAUZ-6 TX 1015 1309 KIDY-6 TX 1116 1331 "Break for 1 Hr" 1430 KBTX-3 TX 851 1448 KSNC-2 KS 1124 1459 KSNW-3 KS 1043 1525 KQTV-6 OK 900	11 E 1527 KJRH-2 OK 900 1601 KDKA-2 PA 719 1615 Shutdown (storm) 1735 WFSB-3 CT 943 1800 KJRH-2 OK 900 1802 "Super Break" 1917 KBTX-3 TX 851 1945 KLNE-3 NE 1219 2150 "Finally f/out" 12 E 0900 unID-2,3 1128 XHRID-2 TA 1006 1130 MUF Ch. 5 14 E 1700 KBTX-3 TX 851 2001 CKCO2-2 ON 1021 2044 WCBS-2 NY 847 15 E 1858 CKCO2-2 ON 1021 1900 CHBX-2 ON 1110 22 E 1028 unIDs-2 2000 WUNJ-39 NC 343 25 T 0900 WXIA-11 GA 290 0925 WTGS-28 GA 156 26 T 1825 WTAT-24 SC 225 1835 WTGS-28 SC 156 1836 WECT-6 NC 360 0025 WITN-7 NC 438	

"Total Stations--115. Till next month, the best of DX and 73's from N5FPW/4."

That Editor-type Guy, 2969 Herschel #7, Jacksonville FL 32205 (EDT)

JUNE 1986	JUNE 1986	JUNE 1986
1 T 2140 SC 2/5/24 2140 WJKA-26 NC 335 2 T 2143 WTAT-24 SC 216 10 E 2255 T/in--MUF to 6-- missed a lot! 2318 KRIS-6 TX 977 11 E 0011 unID-5 SS 0040 KAUZ-6 ? TX T 0056 KMID-2 TX 1221 0805 unID-2 Canada 0840 WJMN-3 MI 1130 0859 WFSB-3 CT 934 0902 WPSX-3 ? PA T 1000 KRIS-6 TX 977 1006 KRGV-5 ? TX T 1015-1045 I'm away... 1047 KIII-3 TX 977 1058 KENS-5 TX 995 (Severe wx crawl over net @ 1103) 1107 KPRC-2 TX 827 1115 MUF past 162 mHz Beaumont TX NWS stn on scanner! 1130 WDSU-6 LA 494 3rd Shortest Es! 1134 KLRN-9 ? TX T (PBS in and out over WFTV...) 1159 KCEN-6 TX 923	11 E 1228 KBTX-3 TX 853 1320 KGAN-2 ? IA T 1325 KAUZ-6 TX 1015 1330 KTAL-6 ? (LA) T 1330 Hemv-6 ? AR T 1350 Had to leave... 2040 Back--still 2-5 14 E 1200 KGAN-2 IA 1002 1219 KTVO-3 ? (MO) T 1225 MUF to 5 briefly 1945 CKCO2-2? ON T 2015 WKYC-3 OH 766 2104 unID-2 SS audio 15 E 0810 unID-2 CCI (But had to leave) 16 E 1545 unID-2 1611 unID-2 SS 1741 KGAN-2 IA 1002 1752 KMID-2 TX 1221 1806 KQTV-2 (KS) 982 1812 KTVI-2 MO 753 19 E 1200+ unIDs-2 CDT 1312 WTDQ-2 IN 696 1330 Had to leave... 28 T 1919 WTAT-24 SC 216 1919 WJKA-26 NC 335 2043 WUNJ-39 NC 335 2228 WCB2-2 SC 216 2228 WCSC-5 SC 216 0735 WEBA-14 SC 200	25 T 2238 WTVX-34 FL 234 E 2238 unIDs-2,3 Hindered by strong, short Tr 2300 KGAN-2 IA 1002 26 T 1815 WJKA-26 NC 335 1815 WTAT-24 NC 216 1815 WLTX-19 SC 268 1832 WECT-6 NC 335 Logged on truck FM on way to see LVH! 27 T 0845 Tampa 22/28/44 0845 WTVX-34 FL 234 0845 WTAT-24 SC 216 1945 WCSC-5 SC 216 1945 WTAT-24 SC 216 2255 WPDE-15 SC 313 2255 WLTX-19 SC 268 2255 WJPM-33 SC 297 2320 WBTW-13 SC 313 2330 WHMC-23 SC 294 2330 WJKA-26 NC 335 2331 WCB2-2 SC 216 28 T 2035 WTAT-24 SC 216 2035 WJKA-26 NC 335 2043 WCB2-2 SC 216 2043 WCSC-5 SC 216 Totals now 188 stns (creeping up on 200)

E-skip sure has been playing hide-and-seek this year. After the massive June 10/11 session and a few minor openings, Es has all but died. The tentative KLRN-9 was the highest Es ever seen by me (I'd seen an unID-7 in Orlando years back). Short-lived, but nice! Some typical high pressure tropo later in the month with the highlight being a nice signal from WBTW-13 for about 1/2 hour!!

This column produced on a Commodore 64 utilizing PaperBack Writer 64 and Print Shop, and printed on Larry Van Horn's Panasonic printer (Thanks, Larry!). Bye...

# ANARC UPDATE

## WHERE WAS LAST MONTHS ANARC UPDATE?

One good thing about doing a column like this is that I don't have to do it every month. If I miss a month, people do not become angry because they missed their favorite column. So, if I get lazy or busy at the beginning of a month, then there's no ANARC Update.

Such was the case at the beginning of June. We had just come back from our vacation. It was a much needed vacation and we enjoyed every minute of it. We drove along the coast as far as Southwestern Maine. The highlights of the trip were a drive through Cape Cod and Cape Ann, a ferry ride to Nantucket Island, and a visit to Plymouth Rock. Our accommodations included two motels, two guest houses, and one sister-in-law's house. Guest houses are usually large old homes that rent out rooms. The rooms tend to be small and you get what you pay for. You would be surprised what you can live without when you are paying about half the price of a regular hotel or motel.

This was the first trip with my mini TV. It is a Windsor "Deluxe portable". It has a 5" screen and runs on batteries, house current or an auto's cigarette lighter. Windsor is known for its inexpensive radios and portable TV's. The set performed fairly well, but it does have its limitations. The biggest problem with the set was its rejection of a signal near a transmitter. Joyce's sister in West Hartford lives near the transmitter for WFSB-3. In between the local stations, WFSB was everywhere- on VHF and UHF!

The set did come in handy and it did perform well in the situations where it was needed.

The first use of the set came at a rest stop east of New Haven on the Connecticut Tpk. I wanted to see what type of signal Long Island's WJIG-55 had on the other side of The Long Island Sound. The station puts in a good watchable signal. I am surprised that they are not listed in the Hartford-New Haven edition of TV Guide. (I really should not be so surprised as WTZA-62 puts in a good signal over a portion covered by the New York Metro edition of TVG, and yet their program schedule is not listed.)

The next time I pulled out the set was in Fall River, Mass. We went to an old factory that was turned into a factory outlet mall. In one of the outlets, I found a local "TV Facts" magazine. In it was listed a Channel 28. I know there wasn't a Channel 28 on the air in Fall River, but there is a CP for an independent station. I became excited and I excused myself from shopping. I gave the excuse that I wanted to bring the packages to the car. Once in the car, I pulled out the TV and I plugged it in. I received a fair picture of WHLL-27 Worcester, but no Channel 28. As far as I know, they are still not on the air.

The first place we stayed was a motel in Hyannis, Mass. The motel had a nice large room with a beautiful Color TV set. It received the Boston and Providence stations. But one station was missing, the local Cape Cod station WGVX-58. So I found myself playing with the set in the motel room.

The second place we stayed was our first guest house in Provincetown Mass. The room was tiny. It was better used as a walk in closet. There was just enough room for a bed and a dresser. No TV of course. I couldn't even find a place to plug in the Mini-TV. Another drawback of the set is the large number of 'D' cell batteries needed to operate the set (9). I got to see how well the set operated on batteries, but I could not operate it for long periods of time. The battery life of the set is only about 2 hours. Also, the only station that put in a good signal was WCVX-58!

Our next stop was our fanciest and most expensive motel, a Suisse Chalet in Woburn, Mass. It had a large 25" Color TV set. Most of the Boston UHF

stations appeared on the unused channels. I couldn't figure out which station was on which channel. Also, several stations were missing, such as WHLL-27, WVJV-66, WGBX-44, WHNT-21, WENH-11, and WNDS-50. Also, Woburn is closer to Providence, RI than Hyannis is. The Providence stations put in a clear watchable signal. The only way I knew this is by playing with my set.

Our next stop was a guest house in Hampton Beach, NE. It was the only place I did not use my Mini-TV. They had a 12" B&W set in the room that was hooked up to a nice sized antenna above the house. I was able to receive all the stations from Boston to Portland. I wish all places to stay had as good a Television system as this. It was a travelling DX'ers dream. Until all places to stay have a TV set up like this, my mini-TV will go on all my domestic trips for now on.

## AN UPDATE ON THE ELECTRONIC COMMUNICATIONS PRIVACY ACT 1986

The latest on this piece of legislation, is that a substitute piece of legislation has been introduced to replace HR 3378, the original bill. The number of the new bill is HR 4952. The most significant change is the change of the definition of interception. The new bill adopts ANARC's definition, which is the "Acquisition of the contents". The original bill's definition was the "Interception of the transmission of the contents. It would have been illegal just to receive an encoded signal. The new definition makes it legal to receive the signal if it is readily accessible to the public. The big question is what is an inaccessible signal. Under FCC rules these are coded or scrambled signals. Also included are FM subcarrier and subsidiary services, and certain satellite transmissions. The penalty for violating the law could be a year in jail and up to a \$10,000 fine. Lawful transmissions to monitor are those that relate to ships, aircraft, governmental enforcement, civil defense, public safety, CB and amateur radio. Not covered by the law are cordless telephones.

HR 4952 (as of the date this was written) is still not law. It was approved by the House Judiciary Committee and it is now scheduled to be considered by the full House of Representatives.

The new bill is much better than the old bill. But it has its faults that may have a profound affect on some of the activities now enjoyed by WTPDA members. There is still time to write to your legislators to show your disapproval not only for the bill, but for the whole concept of the law. Once enacted, there is no way to foresee how it will be implemented, enforced, and ruled upon in a court of law.

The Michigan Area Radio Enthusiasts have published a guide to DX-peditions. It explains how to organize and prepare for a DX-pedition, to properly choose a site, and what equipment to bring. It is available by mail for \$1.25 by writing to MARE at 24500 Union, Dearborn, Mich. 48124.

If you are interested in keeping up with the activities of ANARC, and its member clubs, the best source is the ANARC Newsletter. It is published monthly and usually includes a calendar of upcoming club events, a review of new receivers and equipment called "The Marketplace Report", and timely updates to the Electronic Communications Privacy Act. The cost is only \$7.50 a year in North America and is available by writing to ANARC Newsletter P.O. Box 24, Cambridge, Wisc 53523-0024, U.S.A.

Two big conventions will round off the summer. The International Radio Club of America will hold its convention at the Hyatt of the Palm Beaches Hotel in Palm Beach, Fla, from Aug 22-24. For more information, please write to IRCA, P.O. Box 482, East Moline, Il 61244. The other convention is for the National Radio Club. It will be held Labor Day weekend at the Ramada Inn, New Castle, Delaware. For registration information, write to: Dave Schmidt, Box 11502, Wilmington, Del. 19850. Whenever you write, please send a self addressed, stamped envelope and please mention that you heard about it from WTPDA.

I'd like to say "Hello" to everyone I met at the ANARC Convention in Montreal. I have gained many friends at the previous conventions, and I enjoyed meeting many new people at this years convention. A special "HELLO" to all WTPDA who attended ANARCON'86. Please tell me what you thought of the convention. My next ANARC Update will have a full report on the convention.

See you next month----Unless I get busy or lazy!!!

73's

*Steven P Sprachman*  
Steven P. Sprachman

From  
Lima,  
Peru.



**NUMERO UNO EN  
MUSICA POPULAR**

**UNION 103.1 FM**



# WESTERN TV-DX

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

Western TV DX

August 1986

August 1986

Deadline: 9- 5-86

E skip seemed to be best on the 10th, 11th, and 15th of June with the 11th probably being one of the best ever dates for E skip. In addition to these dates, some E skip was reported on most of the balance of the month (including some double hop), but I think the quantity and quality of loggings indicates that 1986 will not go down as an exceptional year for E skip. (I am sure that is an understatement!)

In addition, a number of decent tropo openings were observed in the midwest during the month of June. There is also a report this month about some super tropo into New Mexico on a couple of dates last April and May.

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

CH - Chihuahua CU - Coahuila NL - Nuevo Leon PU - Puebla QR - Queretaro

Roger Winsor, 302 W. John, Champaign IL 61820

CLT?

TV was wild this afternoon of June 11: KTVQ-2 MT was in and out with KTWO-2 WY, KPRY-4 SD and KIVV-5 SD for two hours, KPLO-6 SD, KCWC-4 WY @ 8 PM, and KOMY-5 WY.

Equipment here very mediocre: black & white portable to antenna on roof of apartment pointed west - no rotor, splices in lead in - still got five new stations. Spent more time on my real love - FM.

This AM all St. Louis VHF's in good, WGEM-10 IL, WCEE-13 IL, and KFVS-12 IL also fair - good. Rotor would help, but no \$\$.

73's, Roger

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.

Lots of DX lately, so here's a report:

May 1986	3 tr 0811	WCTE 22 TN 587	7 Es 1406	KATC 3 LA 1030
26 Es 1215	unid 2+, 2- sse	WKPC 15 KY 437	1515	KPRC 2 TX 1117
1228	unid ch 4+ sse	WGRB 34 KY	1533	KBTX 3 TX 1079
	unid ch 3 sse	WDRE 41 KY 437	8 tr 0550	WMSN 47 WI 134
	WBRzt 2 LA	WKLE 46 KY 473		(Same offset as WSYM - 6 bars)
28 tr 0600	WUTV 29 NY 445	WDKY 56 KY		W42AF 42 WI 78
1822	WSEE 35 PA 405	(Same offset as		KPRCt 2 TX
1830	Lima, Dayton U's	WTVS - 10 bars)	Es 1122	KIII 3 TX 1295
2134	WCET 48 OH 400	WYMT 57 KY 553	1230	WCET 48 OH 400
	WTJC 26 OH	WCET 48 OH 400		KDFW 4 TX 957
	(Strong, under	WTVQ 36 KY 473		KBTxt 3 TX
	local WGBA-26 )	WKYT 27 KY 473	9 tr 1950	W42AF 42 WI 78
2156	WPBO 42 OH 461	WXIX 19 OH 400		(This is the last time
	unid channel 21	WEVV 44 IN 420		I'll report them. In
	(Louisville ???)	WEHT 25 IN 420		here pretty regular.)
2215	WXIX 19 OH 400	WFIE 14 IN 420	10 tr 0555	WUTV 29 NY 445
	WIII 64 OH 400	WVUT 22 IN 405		WSEE 35 PA 405
29 tr 0817	WBXN 55 OH 380	1323	Es 1225	KTWot 2 WY
30 tr 0705	W42AF 42 WI 78	WLCnt 19 KY		KCWC 4 WY
	(Ripon STV)	1723	11 Es 1130	KATC 3 LA 1030
	( See Note # 1 )	W46AD 46 MI		WLBT 3 MS 865
		(Traverse City xting		unid channel 2
		WCML-6 and WITI-6 )		WLL t 4 LA
June 1986	4 tr 0628	WCET 48 OH 400		WCBIt 4 MS
3 tr 0755	7 Es 1313	KMIDt 2 TX	1200	KJAC 4 TX 1080
		KENWt 3 NM	1253	KDFW 4 TX 957
		unids chs 4-6		

William Draeb (continued)	15 Es 1200	KYTV 3 MO 589	17 tr 2109	WCTE 22 TN 587
	1230	KMIDt 2 TX		WCAYt 30 TN
		unids chs 5, 6	2132	WCEB 48 OH 400
11 Es 1300	KFDM 6 TX 1068	1300	KENW 3 NM 1103	WIII 64 OH 400
1500	KTVc 6 KS 811		KAMRt 4 TX	WFAO 49 OH 380
1730	KCNC 4 CO 952	1440	KIDK 3 ID 1214	WMSYt 52 VA
	KRMA 6 CO 952	1515	KTWot 2 WY	WGRB 34 KY
	KWGN 2 CO 952		KOTAt 3 SD	20 tr 2145
1740	KOAA 5 CO 978		KXLft 4 MT	WCEB 48 OH 400
1749	KYCut 5 WY	1730	CITL 4 SA 1175	WKON 52 KY 437
1813	KWNbt 6 NE		CKSA 2 SA 1175	WIII 64 OH 400
1825	KREXt 5 CO	1745	CFQC1 3 SA	WTVQ 36 KY 473
1830	KTVS 3 CO 837	1800	CKTVt 2 SA	WXIX 19 OH 400
1856	KRTV 3 MT 1159	1830	KTVX 4 UT 1264	2246
1900	KFBbt 5 MT		KUTVt 2 UT	2308
1905	KTWot 2 WY	1900	KXLY 4 WA 1450	WSEE 35 PA 405
2005	WFSB 3 CT 767		KLEWt 3 WA	2314
2018	WGBH 2 MA 840	2000	unid ch 4 edu	21 tr 0700
	WBZ 4 MA 840	tr 2105	KDSM 17 IA 371	WYMT 57 KY 553
2034	WLBZt 2 ME		KHIN 36 IA	WSEN 47 VA 589
2036	WCAX 3 VT 707		KPTM 42 NE 461	WOSU 34 OH 395
12 Es AM chs 2,3	No time to watch.	2145	KLdH 49 KS 560	(Above 2 snwfree)
			KSNT 27 KS 560	WPBO 42 OH 461
	1225		( Over WKOW-27 )	WSFJ 51 OH 395
	KPRYt 4 SD		2220	WXIX 19 OH 400
	KWSEt 4 ND		2224	WCET 48 OH 400
13 Es AM chs 2-4	No time to watch.		2224	WMSY 52 VA
		16 tr 0550	@KDSM 17 IA 371	0733
		17 Es 1220	chs 2-4 sw	0736
15 Es 0900	KIII 3 TX 1295	tr 2109	WGRB 34 KY	WTJC 26 OH
	KPRC 2 TX 1117		WDRB 41 KY 437	(Snow free over
	0930		WTVQ 36 KY 473	WGBA-26)
	1200			0830
				WIII 64 OH 400

Note # 1 - May 30 @ 0705 - W42AF snowfree - appeared to be same offset as CKCO-42 - video OK, but no audio.

As you can see, E skip picked up as did tropo activity. Local WBAY-2 must have been plagued with calls of CCI on them because they had an engineer on their local "Noon Show" explaining to the people what to do if their picture gets messed up; namely, "lie down until it goes away", not my words, but what he said. He said someone saw them in Portland, Oregon, but didn't give any date.

The tropo action on June 15 I almost missed. I was watching the tail end of the E skip opening on my 9" portable when I turned to channel 8 to find KCCI-8 with the whip antenna.

KXLY-4 surprised me on the 15th also. I was watching KTVX-4 (minus offset) when I noticed another minus beating with them. It usually turns out to be KCNC-4, Denver, but when the dust settled this time, it was KXLY-4. It just shows that you shouldn't take anything for granted.

WMSN-47 is on. I believe the day I saw them was their first day. They were running a blank slide with call letters.

I had been plagued with cable interference for the past month, at times wiping out semi-locals in Milwaukee, etc. I got them to come over here and take a look at it, and I thought it went in one ear and out the other. This was two weeks ago. But I see, tonight the problem is gone. I hope for good.

Randy Miltier, 1068 Fairview Avenue, San Jose, CA 95125

PDT

May 1986	22 Es 1100	unid chs 2, 3	E skip not overwhelming
25 Es 1314	KPLO 6 SD 1250	1337	XEW 2 DF 1900
	1400	unid channel 2	here, but I haven't had the
	1538	unid channel 3	TV on much. I spent most of
	29 Es 0900	KN?? 2 ??	May in Canada, so I'm sure I
			missed an opening or two. I
			was hoping to get my new
			Quantum up by this season,
			but....

June 1986	4 Es 1300	unid chs 2, 3	July 1986	5 Es 0900	unids chs 2-6
11 Es 1950	unid channel 2				

KPLO-6 catch of May 25, last time I saw KPLO-6 was in 1969....on May 25! I told the chief engineer this in my reception report, and he wrote back saying he's looking at my 1969 letter and photos as he writes my verification letter. The same OE, Darrell House, answered both letters.

I believe my June 29 channel 2 is KNOP in North Platte. Details sent to CCI.

William Eckberg, 1032 Sterling Road, Dixon, IL 61021

CDT

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

Table listing TV reception data for William Eckberg, including call letters, frequencies, and channel numbers. Columns include date (June 1986), call letters, frequency, and channel.

Note # 1 - I saw XHCH on channel 5. According to the WRTH that call is on channel 2. I'm positive on the channel I saw it on. Is this a repeater? Anyone any ideas? June 11 was the best E skip day ever for me with 28 new stations positively seen.

There were several tropo openings the last half of the month. I logged WLOS-13 at 558 miles several times. They get out with their tall tower. Their test pattern is very distinctive with their ID, etc, in the bullseye. I see it from 0430-0500 weekdays.

John Ebeling, 9209 Vincent Avenue South, Bloomington, MN 55431

CDT

Reception at Prosit, Minnesota cabin. Cabin phone: 218-345-6718

Table listing TV reception data for John Ebeling, including call letters, frequencies, and channel numbers. Columns include date (May 1986, June 1986), call letters, frequency, and channel.

Marvin Shults, RR#1, Toulon, IL 61483

CDT

\* Reception on vertically polarized antenna.

Table listing TV reception data for Marvin Shults, including call letters, frequencies, and channel numbers. Columns include date (June 1986), call letters, frequency, and channel.

Marvin Shults (continued)	28 tr 2130 WUAB 43 OH	29 tr 0627 WCPO 9 OH
26 tr 1059 WUPW 36 OH	29 tr 0500 WHIO 7 OH	0633 WPTD 16 OH
28 tr 0816 KC chs 41,50,62	0510 WLEX 18 KY	WPTO 14 OH
KLHD 49 KY	0511 WXIX 19 OH	0638 WCET 48 OH
0828 K28AE 28 MN	0518 WQWK 13 WV	0650 WSPJ 51 OH
(Fairmont LPTV)	0525 WCMH 4 OH	0653 WCVN 54 KY
2026 WAQP 49 MI	0526 WVAH 23 WV	0656 WKON 52 KY
Dtrt 20,50,56,62	0528 WTVN 6 OH	0657 WKLE 46 KY
2029 CBFT 54 ON	0536 WIII 64 OH	0659 WBNB 10 OH
2042 WCLQ 61 OH	0540 WKRC 12 OH	WPBO 42 OH
2043 unid channel 67	0547 WHIZ 18 OH	
2044 CICO59 59 ON	0550 WPKY 33 WV	
2100 WHT 31 MI	0554 WDKY 56 KY	Sub 1986
( Over WMBD-31 )	0559 WTJC 26 OH	2 tr 0421 WAVE 3 KY
	WKYT 27 KY	0425 WILX 10 MI

Paul Mitschler, 4911 Idlewilde SE, Albuquerque, NM 87108

MDT

Equipment: Four element channel 3 yagi, five element channel 6 yagi, rotor @ 25 feet Hitachi 9" color, Universal v1000 electronic tuner.

May 1986

29 Es 1700 XEZ 3 QR 930	10 Es 1120 XHP t 3 PU	15 Es 1510 KIMT 3 IA 910
1830 KTVO 3 IA 850	1520 WREGt 3 TN	1650 WEAR 3 FL 1190
2115 WAVE 3 KY 1175	1530 KDLH 3 MN 1090	16 Es 1500 XEZ 3 QR 930
31 Es 0837 WRElt 3 GA	1800 KBME 3 ND 850	19 Es 2145 unid ch 2 CBS ne
0940 & unid channel 3 e	1825 WSVL 3 IL 1000	20 Es 0800 KIII 3 TX 750
1050 KCRA 3 CA 850	2100 WPSDt 6 KY	0935 XEZ 3 QR 930
	2100 WSDUt 6 LA	1200 XHP 3 PU

June 1986

7 Es 0900 WRElt 3 GA	11 Es 0925 WDSUt 6 LA	21 Es 2100 KCRA 3 CA 850
1037 CBWFT 3 MB 1150	WEAR 3 FL 1190	2130 KEYT 3 CA 725
1040 KDLH 3 MN 1090	WRCBT 3 TN	KTWU 2 CA 890
KBME 3 ND 850	1017 WBRC 6 AL 1150	22 Es 0830 XEZ 3 QR 930
KIMT 3 IA 910	1130 KIMT 3 IA 910	1630 KVDO 3 OR 1090
1330 KTVO 3 IA 850	1415 CBWFT 3 MB 1150	1800 KCRA 3 CA 850
KMTV 3 NE 710	1730 KDLO 3 SD	25 Es 1230 KCRA 3 CA 850
WMT 2 IA 920	2000 KBME 3 ND 850	1320 KVDO 3 OR 1090
1500 WAVEt 3 KY	12 Es 0800 unid ch 3 CBS	1340 CBWFT 3 MB 1150
CKSO 3 ON 1500	0900 KMTV 3 NE 710	KBME 3 ND 850
1530 KRTV 3 MT 875	1015 WEAR 3 FL 1190	CKSO 3 ON 1500
8 Es 0800 KIMT 3 IA	1030 WLBT 3 MS	26 Es 0800 unid ch 3 ABC e
WAVEt 3 KY	14 Es 0915 WREGt 3 TN	2145 KVDot 3 OR
10 Es 1120 XEZ 3 QR 930	tr 1030 KENW 3 NM 200	29 Es 0848 unid ch 3 east
		30 Es 0908 KEYT 3 CA 750

It has been very good to see the E skip this month, and I was quite surprised to get KENW-3 from Portales which lies on the other side of the mountains east of the city. It would sure be nice to get a signal on either channel 4 or 5, but the locals just seem to block all chances.

Jeff Kadet, W3CRH, Box 20, Macomb, IL 61455 (309)-833-1809

CDT

Equipment: Zenith 9" black & white, Zenith 13" color, Channel Master 1110 with CP 3800 preamp, RG-11 at 50', Channel Master 7' dish with PA 4975 preamp, .500 cable at 55', Winegard 5 element low band vertically polarized at 20'

June 1986

6 Es 2329 KNMZ 2 NM 890	7 Es 2026 KNAZ 2 AZ 1180	9 Es 2100 unid ch 2 XEW
7 Es 0001 KPRC 2 TX 890	2044 KNMZ 2 NM 890	10 Es 1359 WPTV 5 FL 1125
0008 KJAC 4 TX 760	8 Es 0114 KMLD 2 TX 890	WUFT 5 FL 880
1100 KTBS 3 LA 580	1044 KPRC 2 TX	WTVY 4 AL 705
1130 KENW 3 NM 820	1059 KBTX 3 TX 755	1422 WPBT 2 FL 1175
KDBC 4 TX 1055	1215 KACB 3 TX 840	1430 KUTV 2 UT 1105
1217 unid channel 5	1230 KFDX 3 TX 625	1436 KWGN 2 CO 755
1219 KUTV 2 UT 1105	1251 KIII 3 TX	1459 KTVX 4 UT 1105
1300 KTVX 4 UT 1105	1306 KMLD 2 TX 890	1700 KNAZ 2 AZ 1180
1329 KREX 5 CO 950	2035 WCBD 2 SC 790	1759 KGBT 4 TX 1065
	tr 2335 WMSN 47 WI 180	KRGV 5 TX 1160

Jeff Kadet (continued)

12 Es 0940 WPBT 2 FL 1175	18 tr 0630 WJSP 28 GA 635
0956 WCVB 5 MA 1010	0752 WTRT 26 AL 425
0959 WEDU 3 FL 980	2200 KIOA 15 IA 100
13 Es 1829 WPBT 2 FL 1175	(Not seen since)
1930 KMLD 2 TX 890	19 tr 0043 KXTX 39 TX 640
14 Es 1035 unid ch 2 Mexico	KDFI 27 TX 640
2000 KENW 3 NM 820	KTXA 21 TX 640
2100 KIDY 6 TX 880	(All brfly snow free.)
2137 XET 6 NL 1160	0204 WDBB 17 AL 535
unid ch 6 XEW	0332 KTVTt 11 TX
unid ch 5 XEW	( 0 kHz u/KPLR )
(Got loc ad pix)	0450 @unid channel 9
2305 KENS 5 TX 890	(Guitar solo sw)
2328 =unid channel 6	2344 =K45AY 45 AR 325
11 Es 0035 KDBC 4 TX 1055	( See Note # 1 )
0043 KIII 3 TX	20 Es 1507 unid ch 2 Mexico
0103 KMOL 4 TX 890	2230 WCBD 2 SC 790
0106 =KACB 3 TX 835	23 tr 2230 Hntsville 48,54
0115 =XEFB 2 NL 1100	455
0220 KTVK 3 AZ 1265	24 Es 1100 WESH 2 FL 950
0859 WPBT 2 FL 1175	1159 WPBT 2 FL 1175
0930 WEAR 3 FL 725	25 tr 0332 WETO 39 TN 520
0959 KRIS 6 TX 965	0525 Dtrt U's snwfree
KRGV 5 TX 1160	0545 unid channel 31
1015 KIII 3 TX	(20 kHz u/WRHT )
1018 XEZ 3 QR 1225	Es 1415 KWGN 2 CO 755
1031 unids channel 5	1425 KTYS 3 CO 650
(Two of them)	2Es 1458 KCRA 3 CA 1625
1228 WDSU 6 LA 735	Es 1517 KATC 3 LA 725
WKRC 5 AL 700	1518 KJAC 4 TX 760
KALB 5 LA 645	1530 KPRC 2 TX 775
WML 4 LA 735	1533 KDUH 4 NE 685
1259 WPTV 5 FL 1125	1559 KMLD 2 TX 890
WCPX 6 FL 980	WEDU 3 FL
1329 WJXT 4 FL 865	0219 =WVTM 13 AL 575
1341 WCSC 5 SC 800	0219 WMAZt 13 GA
1359 WRAL 5 NC 725	0259 WBNA 21 KY 300
WUNC 4 NC 700	0303 WTBS 17 GA 575
WUND 2 NC 840	WBMG 42 AL 575
1459 WCIX 6 FL 1175	0335 WREGt 3 TN
WESH 2 FL 950	0346 WSMV 4 TN 365
1615 WSAV 3 GA 785	0415 @WTVc 9 TN 475
1629 WWAY 3 NC 790	0426 @KARK 4 AR 410
1747 KIVV 5 SD 725	0436 WTVM 9 GA 635
1800 KFVR 5 ND 675	0447 @WTVa 9 MS 450
KPLO 6 SD 510	0450 K33AA 33 IA 100
(Closest E skip)	(Ottumwa w/KFVS-12)
1815 KOUS 4 MT 925	(My 6th ch 12 on this)
KYUS 3 MT 860	0452 @WBIR 10 TN 485
( Above two // )	0502 @WDBD 40 MS 575
KXMA 2 ND 750	0515 KTVE 10 AR 520
1829 KXGN 5 MT 840	0518 @W43AG 43 KY 305
1851 KTVQ 2 MT 975	(Hopkinsville LPTV)
1858 KTVM 6 MT 1150	0523 @WXVT 15 MS 495
1943 KOWY 5 WY 950	0524 Huntsville ch 19
2021 unid ch 3 CTV	31, 48, 54
	0558 +WTTT 21 AL 575
	0600 WJSU 40 AL 545

Note #1 - The channel 45 signed off at 0030, then an ID slide (too fuzzy) and audio from a local FM station.

Note #2 - The unidentified channel 22 was in all night with black and white movies; might be W22AE unscrambled?

No complaints about this DX season so far. Highlights for June included KCRA-3 for state #44 and the first double-hop from Macomb. Caught them at the tail end of a local newscast with a very clear audio ID. Signal was in for only a few minutes, poor video and fair audio. I figure the signal bounced off the Rockies somewhere before heading back up again.

Also a nice tropo opening on the 18th which included WCYB-5 for my first station seen via tropo, Es, and MS. In fact they're the only MS ID'ed here thanks mainly to CBS

Jeff Kadet (continued) Nightwatch, but this may change with KMOV-4 (ex KMOX) off week- day AM's now as well as WSIL-3's obnoxious test pattern and sometimes WISC-3. KMOV, WISC, and KFVS have dropped Nightwatch recently. There was also some tropo and E skip on the 25th and 26th affected by Hurricane Bonnie.

A slew of new stations have come on the air in recent weeks: WMSN-47, KJTM-38, K45AY, Jonesboro, AR, KIOA-15, K56## with PTL, and WETO-39. To the best of my knowledge, the channel 56 NEVER ID's, but I think they are from southeast Kansas or southwest Missouri. K52AY is another LPTV that never ID's. The way things are going the FCC is going to deregulate us right back into the pre-FRC era.

After recently learning that my Zenith N1310 would be incapacitated awhile longer, I ordered a Teknika 6510 to try out. I did not adjust its AGC. Compared to my Y1310, which is a bit less hot than the N1310, the Teknika was about the same on video, but not quite as hot on audio above channel 50. On lower channels, however, there is no comparison; the Zenith blows the Teknika away progressively more as you go down the UHF dial. On selectivity, the Zenith has a slight edge, and it is also better on handling overload. The Teknika's selectivity, however, is truly impressive all in all. It's also damn nice skipping all over the dial without twisting knobs and counting in your head all the time.

Which brings up the ICOM R7000 (with its 99 memories and digital readout). If it's specifications are to be believed, the R7000 should revolutionize TV DX'ing! A video adapter will be available for it shortly. As soon as I can sell my ICOM 745, I plan to get one. 73

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

MST/MDI

Equipment: Tri-Ex MW-65' Tower - @ 65', 10 element Antennacraft (hor) into Akai AT-V04 and JVC VT700 with Jerrold FM de-snow; @ 68', Finco P-7 UHF dist 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).

Table with columns for date (April 1986), time, call letters, frequency, and station name. Includes entries for KVCT, WNOL, KADN, WGNO, KORO, WLAE, KTHT, Houston, KOCV, WGNO, WNOL, KADN, KAMUT, WLAE, Houston, KMSS, and unids 2-4 Mexico.

Table with columns for date (May 1986), time, call letters, frequency, and station name. Includes entries for WNTZt, unids chs 2-6 e, WESH, WCB, WMAB, WCMH, WDIQ, WBRC, KADN, unids ch 16 east, and June 1986 entries for CKND2, KTVU, Houston, WBT, WATE, WCYB, unids ch 7 east, and WCYB.

Jim Pizzi (continued)

Note # 1 - KPEJ-24 was first day sign/on - 4572 kW visual - new tower up by KMID-2, maybe 600-800 feet high.

Some good tropo seen on April 7 and April 25 and the best on May 14. E skip kind of sparse with most time spent on FM when MUF got that high. KPEJ, a power house here - snow free all of the time. KOCV, much weaker and fades a lot. Nothing much happening otherwise. Til next time, 73's, Jim

Fred McCormack, 135 Prairiewood Drive, Fargo, ND 58103

CDT

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

Table with columns for date (June 1986), time, call letters, frequency, and station name. Includes entries for Es 1154, Es 2043, Es 2043, Es 2028, Es 2028, Es 2227, Es 2256, Es 15643, Es 1657, Es 1700, Es 1730, Es 1759, Es 1803, Es 1841, Es 1842, Es 1900, Es 1911, Es 1937, Es 2058, Es 2204, Es 2234, Es 1725, Es 1925, Es 24 tr, Es 0543, Es 0545, Es 0548, Es 0551, Es 0553, Es 21 tr, Es 0554, Es 0556, Es 0558, Es 0622, Es 0625, Es 0634, Es 2059, Es 2205, Es 2213, Es 2214, Es 2 Es, Es 8 tr, Es 11 Es, Es 1259, Es 1300.

Here in Fargo it was a very dead month for E skip. However, the few really fine days more than made up for rest of the days. I didn't log any new television stations, but I had a lot of fun with FM during those intense openings.

The opening of the 11th was without a doubt one of the finest I have ever seen. Unfortunately I was at work all day and had to forego many hours of DX'ing. I first discovered the opening in the CATV headend at my office before 1000. I checked its progress whenever I could throughout the day and noted that it continued throughout the day and often times overrode locals KXJB-4 and WDAY-6 (not on the CATV - only with the search antenna turned away from the locals). When I got off work at 1800 during the entire 45 minute commute to my home, FM E skip was heard up to 107.9 MHz on the car tuner. I was sure that after so many hours of E skip I would not be able to partake at all, but as luck would have it; the skip, all the way through FM, continued for another two hours after I got home.

The opening of the 15th was also joined in progress and turned into the finest Alberta E skip ever noted here. Again, I found myself drawn to the FM (I watch the TV too!) and managed to move my FM loggings from that province from a total of 0 to a total of 10.

Hopefully, there will be a couple of nice E skip openings still to come in July, but I don't know - one positive ID in the first 11 days must make this the worst July yet for me. I am also anxiously awaiting some tropo. I am really concerned that the buildings constructed around me in the past year are having an adverse affect. The opening on the 24th was nice.



# TELEVISION NEWS

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

**APPLICATIONS FOR NEW TELEVISION STATIONS**  
CH ERP MAAT STATE/CITY/APPLICANT  
26 100 139 HI Hilo; Navilo Broadcasting  
10 1 226 HI Lihue; William Gault (not a Thurnan application, that I know of.)

21 5000 738 HI Duluth; Greater Duluth B'ing.  
31 22 1011 OR Klamath Falls; Garcia Commu's  
40 5000 534 NV Bluefield; Blue Sky Broadc'g.  
40 1110 1992 NV Bluefield; Living Faith Ministries Inc.

64 1000 729 VA Charlottesville; Commonwealth Broadcast'g Corp.(amended)  
64 5000 257 VA Charlottesville; George Walton Lindsay

15 8.89 951 WI Christiansted; Franklin D. Graham

15 3300 1163 VI Christiansted; Santa Cruz B'g  
15 8.93 943 VI Christiansted; Um E. Zinsky  
48 5000 1162 MA Worcester; Evangel Schools  
39 5000 1161 NV Paradise; Goldhill Broadc'ng.  
39 5000 1519 NV Paradise; Nevada Broadcasting Group.  
39 1445 1172 NV Paradise; Nevada 39 Inc.  
39 5000 522 NV Paradise; Puanehana Ltd.  
39 5000 1532 NV Paradise; Wynn Communications

**APPLICATIONS DISMISSED**  
CA Aureka; ch. 29; Pacific Television Inc.  
FL High Springs; ch. 53; High Springs Television Inc. (joint request for settlement agreement).  
FL Inverness; ch. 64; West Florida Television Ltd. (as per petition by Meredith Corp).  
NV Reno; ch. 11; Silver State Telecasters (at its own request).  
TX Katy; ch. 51; Inter-American Broadcasting Company (as per petition by Johnson Broadcasting).  
CA Paradise; ch. 46; Garcia Communications.  
FL Clermont; ch. 68; Robin C. Brandt; CPL Ltd.; Olympia Broadcasting Group Ltd. (joint request for settlement agreement).  
FL Marathon; ch. 9; Florida Educational Television Inc. (joint request).  
ME Lewiston; ch. 35; Channel 35 Lewiston MA; Minority Women's TV Coalition.  
MI Battle Creek; ch. 43; United States Broadcasting Corporation (failure to prosecute application); Polaris Television Ltd. (at its own request).  
MS Holly Springs; ch. 40; Mid South Broadcasting Inc. (joint request).  
NY Syracuse; ch. 56; New Era Broadcasting Inc.; Tureaud Broadcasting (joint request).  
TX Brady; ch. 13; John R. Powley (joint request for settlement agreement).  
TX Wolforth; ch. 22; Garcia Communications (joint request for settlement agreement).  
VA Danville; ch. 24; Haughton Television (failure to prosecute).  
MT Butte; ch. 18; Montana Western Corp.  
PA Bethlehem; ch. 60; Asiford Communications Inc.; Haughton Television.

TN McMinnville; ch. 33; Warren County Broadcasters.  
TX El Paso; ch. 38; El Paso County College District (at its request).  
TX El Paso; ch. 65; Liquico Television Ltd. (at its request).

**CONSTRUCTION PERMITS GRANTED**  
67 100 1000 AL Troy; Shelley Broadcasting Co.  
46 5000 1600 CA Paradise; Butte Creek Communications Company

13 316 1030 TX Brady; Kimbell TV Company  
9 186 276 FL Marathon; Marathon Educational Broadcasting Inc.  
22 674 219 TX Wolforth; Nandy Chandler Ministries (summary decision)  
18 2525 1898 MT Butte; Community Christian TV  
38 1000 1828 TX El Paso; St. Clement's Episcopal Parish School, Inc.

**CONSTRUCTION PERMITS CANCELLED**  
WV Parkersburg; WOQB, ch. 39

**CONSTRUCTION PERMITS REINSTATED**  
NC Goldsboro; WYED, ch. 17

**CONSTRUCTION PERMIT MODIFICATION APPLICATIONS**  
34 156 419 KS Salina; KHCT  
46 5000 1948 NC Belmont; WMIU  
30 1100 1168 OH Portsmouth; WUXA  
8 166 1208 PA Johnstown; WTHX (now WWCP-TV)  
28 4466 2129 CA Oroville; KCEO  
56 1353 1003 IN Gary; WDAI; chg to educational station.  
48 64.3 811 PR Ponce; WIEC  
7 44.1 816 MT Bozeman; KOTZ  
16 2630 446 MT Great Falls; RTGF

**CONSTRUCTION PERMIT MODIFICATIONS GRANTED**  
33 42.5 647 NY Utica; WTUV  
28 500 438 FL Panama City; WJGH  
34 156 419 KS Salina; KHCT  
17 2600 1576 NC Goldsboro; WYED (reinstated)

**APPLICATIONS TO CHANGE EXISTING FACILITIES**  
22 3830 1430 GA Savannah; WJCL (CP)  
9 316 1525 OK Oklahoma City; KOTV (CP)  
33 42.5 647 NY Utica; WTUV (STA; temporarily off the air)

**FACILITIES CHANGES GRANTED**  
AR Little Rock; KETS, ch. 2; granted CP to change from 100 kw to 100 kw max ERP; 1781' AAT/1775' AG/2047' ASL (same TL, but 225' lower).  
PA Scranton; WDAU-TV, ch. 22; granted CP to raise ERP from 1381 kw max to 2945 kw max; 1657' AAT/815' AG/2915' ASL; same TL (97' higher AAT; 243' higher AG; 217' higher ASL, whichever you believe).  
AZ Phoenix; KTVK, ch. 3; granted CP to change from 100 kw to 100 kw max ERP; 1670' AAT/176' AG/2838' ASL (52' lower); same TL.  
MO Springfield; KQEB-TV, ch. 27; granted CP to change ERP from 1500 kw max/646 kw hor to 5000 kw max; 1688' AAT/1592' AG/3147' ASL (24' lower than existing); same TL.  
LA West Monroe; KARB, ch. 14; granted CP to raise ERP from 1050 kw max/938 kw hor to 5000 kw max; 1876' AAT/1888' AG/2008' ASL; (1295' higher ASL); TL 5.5 miles west of

TELEVISION NEWS - page 2

AUGUST, 1986

Columbia, 1.5 miles south of hwy 4; co ordinates 32°05'41"/92°10'39"; Az 183°, 28.39 miles from present TL.

**CALL LETTER APPLICATIONS: NEW STATIONS**  
CH C.L. STATE/CITY/APPLICANT  
14 KWHE HI Honolulu; KUSC-TV  
55 WKKE WI Kenosha; WKRM-TV  
32 KPCS CO Pueblo; tvUSA/Pueblo Ltd.  
11 KPNR WY Rawlins; KRWY

**CALL LETTER APPLICATIONS: CHANGE EXISTING**  
47 KWHB OK Tulsa a; KTCT

**CALL LETTERS GRANTED: NEW STATIONS**  
27 KWEN CA Coalinga; Western Educational Coalition  
46 KBCP CA Paradise; Butte Creek Communications Company  
63 WPPB-TV FL Boca Raton; Palm Beach County Educ ators Broadcasting Inc.  
61 WGBZ FL Gainesville; G ator Broa dcast-ing Ltd. Partnership

14 KJHL KS Pittsburg; John H. Leland  
10 KWNM-TV NM Silver City; KOAT Television  
23 KHNE TX San Antonio; Hispanic Communi-ty ETV Inc.  
8 WWCP-TV PA Johnstown; WTHX  
28 WHBL-TV WI Sheboygan; WMRW-TV

**CALL LETTERS GRANTED: CHANGE EXISTING**  
26 KSHO-TV HI Honolulu; KSHO  
4 KMOV MO St. Louis; KMOX-TV  
23 WWCP-TV PA Altoona; WOPC (I can see con-fusion ahead with WWCP-TV in Johnstown.)

11 KARE MN Minneapolis; WUSA (as of 6/11)  
9 WUSA DC Washington; WDMV-TV (as of 7/4/86)

**NEW STATIONS ON THE AIR**  
IA Ottumwa; KOIA-TV, ch. 15+, went on the air 6/2/86; 166 kw max ERP; 410' AAT/417' AG/1157' ASL; TL 3.4 miles SSE of inter-section of Hwy 63 (Madison Avenue) and Hwy 34 (Church Street), Keokuk Twp.; co-ordinates 40°57'50"/92°23'50"; address: Ottumwa Television Ltd. Partnership, 107 E. Second St., Suite 600, Ottumwa, IA, 52501. No word of network affiliation, but area lacks decent coverage by any NBC or CBS affiliate.  
LA West Monroe; KMCT-TV, ch. 39+, went on the air 4/7/86; 560 kw max ERP; 498' AAT/514' AG/583' ASL; TL 701 Parkwood Drive, West Monroe; coordinates 32°30'21"/92°08'54" (same coordinates as KARB-14, but 130' lower with less ERP, so coverage area should be smaller); address: Carolina Christian Broadcasting Inc., 701-A Parkwood Drive, West Monroe, LA, 71291. independent station.  
AR Pine Bluff; KJTV-TV, ch. 38- reportedly signed on 6/1/86, according to the 6/15 SRDS spot data book. 5000 kw max ERP; 1945' AAT/1880' AG/2219' ASL; TL 2 miles west of Redfield (where it can reach Little Rock with a strong signal); coor-dinates 34°26'31"/92°13'03"; address: TVX Broadcast Group Inc., 7123 Interstate 30, Suite 54, Little Rock, AR, ??????. Independent station, operating 6 a.m. to 1:30 a.m. central time.

DE Wilmington; WTGI-TV, ch. 61z, testing on 7/3/86, with programming as of 7/9. 3000 kw max ERP; 957' AAT/949' AG/ 1024' ASL; TL to Old Vespers Road, 2.8 miles NNE of Woodstown, NJ (that is, the southeast side of Vestry Road, in the middle of a corn-field; I checked it out the other day; beautiful new tower with strobe lights that can be seen as far as fifteen miles away.); coordinates 39°41'37"/75°17'59" (18.37 miles from my QTH, making it the nearest station to me); address: Delaware Valley Broadcasters, 303 A Street, Wilm-ington, DE, 19801. Independent station.  
VA Roanoke; WFTT-TV, ch. 27, scheduled to sign on 9/15/86.

**FORUM**  
Richard Clark sends the following informa-tion on new stations and networks in Puerto Rico:

CH C.L. CITY	NETWORK	INFORMATION
9 WSR	Ponce	Tele Once returned 5/86
11 WLI	Caguas	Tele Once returned 5/86
14 WTN	Ponce	WPRV-13 new: 6/86
22 WNX	Mayaguez	Tele Once new: 6/86
48 WIE	Ponce	WRWR-30 new: 2/86
54 WATX	Arecibo	WRWR-30 ex-independent

Other information from Richard: KH7?, ch. 11 in Ciudad Juarez, Mexico, is a new station on the air, affiliated with Imevision ch. 13; KINT, ch. 26 in El Paso, TX, is SIN, not independent as was earlier reported; KHLJ, ch. 44 in Ciudad Juarez, is now independent, formerly Imevision ch. 13. He reports on that ch. 11 in Ciudad Juarez, "Ch 11 has not put on any local type ID call and I am not sure if Broadcasting Yearbook CP and call is correct since it is almost 20 years old." "NBW to answer your last question about Ch 13 TBN Nevis St. Kitts is a 24 hours english station from Santa Ana, Calif (KTBN ch 40)." Also, HIND, ch. 13 in Santo Domingo, Dominican Re-public, has been inactive for two years now.

**Y SIGUE CON CINEMA 30**  
EL MEJOR CINE DEL '86.  
Tu canal de película.  
Ponce 48 • Mayaguez 14 • Arecibo 54

Ed Frye, now in Los Angeles, CA, sent an article from the 6/18/86 Variety, reporting that the Corporation for Public Broadcasting has purchased a transponder on Westar IV, which it had been leasing. This will save CPB stations \$2500 each in interconnection fees to National Public Radio. Ed also mentions that the Los Angeles Times has yet to include KHBS-46 in its TV listings.  
While we're in the area, let's drop in on W.R. McIntosh. From the 6/17 Los Angeles Times, a classic: "This is how low budget the Nustar Television Network is. One night, after the new, Tujunga-based satellite broad-casting system was trying out its signal, a man called from Holmen, Wis., wanting to know what would be on next. The night watchman,



was running the studio after hours, asked him what he wanted to see, and the caller suggested 'Hage at Dawn,' a 1955 Western starring Randolph Scott. The guard obligingly rooted around in the cassettes, turned up a copy and popped it into the player. Shoestring budget notwithstanding, Nustar started broadcasting Friday with what it contends is the only 24-hour, nationwide satellite broadcasting system offering diversified programming. Nustar won't likely be confused with the Public Broadcasting System. The current program list includes 'Yuk Yuks Tonight,' 'Classified Lonely Hearts,' 'Date Who We Tell You,' 'Hollywood Asylum,' 'Garage Sale for the Rich and Eccentric,' 'This Week in Real Estate' and 'Discover the Martial Arts.' Its program director says Roller Derby may be added too. "Nustar's goal is to persuade the nation's 401 commercial UHF stations and another 141 low-power outlets to carry its shows.... So far, the network has a single affiliate, in Boston." The station WJVV-TV, channel 66 in Marlborough, MA.

The 6/12 Times reports that WNET, ch. 13 in New York (That's Californese for N-E-W-A-R-K as in Newark, New Jersey. Then again, why not? After all, they took the Statue of Liberty from us.), one of the primary producers of programming for PBS, has up to now devoted half of its budget to national programming, but plans to focus most of its resources on local programming. WBGH-2 in Boston and KCET-28 in Los Angeles are two other large producers of national programming for PBS.

In the 6/15 Times, an article on KSCI-TV, channel 18 in San Bernardino, which carries programs in 14 languages. "KSCI's unorthodox approach to broadcasting - based on a search for unfilled niches, tolerance of a fragmented station identity and readiness to sell air time to the highest bidder - has a lmost by accident given it a major role in the cultural life of many of the region's immigrant communities. It is the predominant outlet for Asian-language television." "KSCI is a for-profit commercial station owned by the World Plan Executive Council, a Washington-based nonprofit organization founded to promote Maharishi's technique of transcendental meditation, but the guru has no control over the station.... When KSCI first went on the air in 1977, its call letters stood for 'Science of Creative Intelligence' - another name for Maharishi's teachings - and the World Plan Executive Council hoped to use the station primarily to disseminate our educational program...." "But the owners decided to make the station self-supporting, and station management spotted a need for television serving Southern California's large immigrant communities.... The station change the meaning of its call letters to 'Southern California International' and began selling air time to ethnic broadcasters. Videotapes of Maharishi's lectures were relegated to late-night hours."

From the 6/17 Times: an NBC researcher on

Video Cassette Recorders found that they actually benefit network television. Network movies are among the most frequently recorded. 3/4 of all home recording is network TV, with the average VCR owner playing back two to three hours a week of television programs. Daytime game shows and news programs are rarely recorded. Previously, the broadcasting industry had feared that VCR use had actually cut the amount of commercial television viewing.

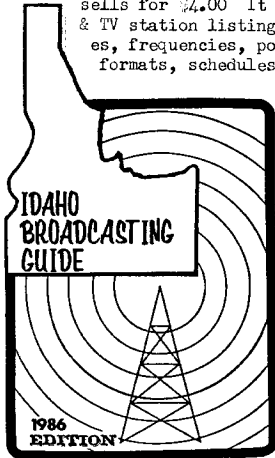
According to the 6/3 Times, the Supreme Court ruled that municipalities might be in violation of the First Amendment guarantee of the freedom of expression when they grant monopolies to cable television firms. Los Angeles officials will have to justify their practice of granting only one firm to serve a part of the city.

The 6/10 Times also deals with the Supreme Court, which refused to force cable companies to carry all local TV signals on their systems.

Frank Aden has completed his 1986 edition of the Idaho Broadcasting Guide, which sells for \$4.00. It contains AM, FM & TV station listings with addresses, frequencies, powers, networks, formats, schedules, owners and other information. It also includes FM and TV translator information. You can write for it at: Idaho Broadcasting Guide, c/o Frank Aden, Jr, PO Box 2082, Boise, ID, 83701.

Frank also writes, "Interesting news about Cascade's opposition on TRC's approval for

ch. 9 in Caldwell. Seems no one around here knows anything about it, including officials in Caldwell. I also found out neither Cascade or TRC have applied for the proper local business licenses. Another thing is TRC never applied for a use permit from the Forest Service for a transmitter site on Deer Point! This means we are looking at least a year before anything can be done. If they applied now it would be several months before it could be approved & the snow is too deep to start building on Deer Point a good portion of the year. The only new piece of information on KWHP ch. 14 is they have not applied for a use permit on Deer Point either. The people at the Forest Service told me they are very surprised neither ch. 9 or ch. 14 have applied by now. They said KWHP would have probably been approved if they applied for lower power. No answer from Matlock on KWHP or KMCV ch. 20 so I have written to the FCC. From seeing the



Lack of progress Matlock has made with all their stations & their ignorant responses to my phone calls I get the impression they do not know what they are doing (or have the finances)." It sounds like you're experiencing the same thing I and others have: once a person receives a construction permit, he or she will say virtually nothing about the station to the press or to the public. And if asked, they treat you like a spy. Your statement that the Forest Service reviews new applications to see if there are any interference problems is interesting. Is this yet another example of local governments taking it upon themselves to usurp the FCC's authority?

"I should explain why Deer Point is so important to TV & FM here. It is the only location in the Boise Mountains that has power available at the right altitude. It would take a million dollar project to install a new power line to one of the other peaks. There has been some talk about constructing a new location in the Owyhee Mountains in a few years (to the SE of Boise) where power is available nearby. When KWHP was turned down by the Forest Service for their original application, Matlock mentioned putting up a tower in the valley near Star. The problem with this is it would be almost impossible to compete with the stations on Deer Point. A good example of this is KLCI FM who tried to get a use permit for Deer Point & was turned down. The station was using a tower a few miles east of Caldwell & just could not get the coverage needed to compete with the FM stations on Deer Point. After unsuccessfully trying again this last spring to get a use permit (the FCC did approve a power increase & new transmitter site) the owners shut the station down. Deer Point is now close to the maximum number of transmitters allowed by the Forest Service so as to keep interference levels acceptable." Again I ask, What business is it of the Forest Service if there is an interference problem? That is solely the responsibility of a commission established some fifty years ago by an act of the Congress of the United States.

"All of the letters to the Chamber of Commerce on IPTV's have turned up negative except Twin Falls. K49AZ will be on the air 7-14-86 as a locally ran independent.... Their transmitter will be on Flat Top Butte (same as KMVT ch. 11) & will be running 1kw, they did not know what their HAAT is. K66CE in Lewiston has been on since 1984 & addition to running PTL (WDLI) they also have TBN & INN."

"One of the problems I am running into is the bad information appearing in BROADCASTING. Several changes for this area (especially for FM) have been listed incorrectly such as mixing stations up on call changes.... Another problem is getting bad information from the stations themselves. One local FM station told me they had been approved for higher power & a new frequency plus a use permit for a transmitter site on Deer Point. They insisted this was so even after I told them I saw a FCC release reporting it as denied. I checked with the Forest Service & they told me the station had not even applied for a use permit!

With that last comment I would like to bring up the issue of source reliability. It seems that even the most reliable sources have glaring errors. And I include the Table of Channel Assignments in the Code of Federal Regulations as published by the U.S. Government Printing Office. It mistakenly included FM channel assignments, TV assignments that simply could not exist (like ch. 55 in New Haven CT and in Riverhead NY.). Carrier offsets differ in a few cases with data bases, and the data bases make more sense. Where data bases and Television Factbook/Digest differ, I have to seek a third or fourth source to resolve the problem. Network lists from the Factbook, SDDS and Television Almanac often differ. Since many sources appeal to the commercial market, they become sloppy in identifying a station with the largest city in its coverage area instead of its community of license. Newspaper articles are a major source of bad information, since reporters generally don't know what they are talking about, and the public doesn't know the difference. One other problem deals with reports from club members. On occasions a viewer might make a correct observation but come to a wrong conclusion. One member logged a station with a CBS program, and reported that the station was a CBS affiliate. It turned out that the station merely broadcast a program which the local CBS affiliate pre-empted. Many members used to mistake offset frequencies by lack of knowledge of CCI patterns. Some years ago I raised the statement that 20 kHz CCI normally produces fewer hash lines than 10 kHz, and that 0 kHz can also produce several lines. But up to that time people were reporting wrong offsets. It is because of problems with reports from club members that I like to learn their source of information. It does not mean that I doubt either their honesty or their accuracy.

One totally unimportant issue is whether a station off the air for some years still has a license or not. I know of several stations off the air for some time that still have licenses. I know of others who let them expire or turned them in to the FCC. One issue that was raised dealt with WTHS, ch. 2 in Miami. A few years one member reported that the station operated only during the daytime when school was in session, then shut down for the summer. It wasn't until last month that Glenn Hauser reported that the station is off permanently. Glenn now writes, "I just talked to some people at WPBT, the fulltime licensee of ch 2 in Miami, who told me it's been that way since January 1983. The former WTHS sharetimer became WLRN, which is now fulltime on ch 17. Thus it seems highly unlikely they also still hold any license for ch 2. I'm not getting any answer on their toll-free lines this afternoon to research their version, and don't want to devote a lot of time or expense to long-distancing them, since in all probability they will tell me the same thing. Perhaps you will want to contact them yourself if there is any remaining doubt that there is any such thing, any more.

as WTHS ch. 2. Also, I found it rather odd that a TV Guide via someone else was necessary to 'tend to confirm' what I said--after all, I get the local TV Guide every week, watch both WLRN and WPBT extensively, and have lived here two years, so I might be fairly familiar with the situation.... Perhaps your FCC database, or wherever you got the info about WTHS-2, is a bit outdated." In a few instances, I have found outdated information in it, but in your work with shortwave, I'm sure you have often been plagued by wrong information from reliable observers. Seeking out a third source doesn't hurt anybody. Only God himself doesn't need confirmation, but I doubt he's interested in joining the WTPDA.

**Marty Barvinczak** in Glenshaw, PA, sent in an article from the 5/22/86 Pittsburgh Press, about WQEX-TV, ch. 16. "Ken Tiven, WQEX-TV's new station manager, has a tiny office in the bowels of the concrete bunker that houses WQEX and its sister station, WQED." "WQEX was knocked off the air last March when its ancient transmitter finally gave up the ghost." (I wish WNJS-23 would give up some of its ghosts. You should see them on the picture tube. If it ever aired 13 Ghosts, you could see all thirteen at once.) "That gave metropolitan Pittsburgh Public Broadcasting, the umbrella organization that runs WQED-TV, WQED-FM, WQEX and Pittsburgh Magazine, the forced opportunity to rethink its use of WQEX. Sister stations are a valuable commodity in the public broadcasting world...but WQEX's weak signal and black-and-white transmissions had severely limited the station's usefulness. The decision was made to bring the station back in color, with a full signal and a new manager, Tiven." "Tiven is determined to pull WQEX out of the shadows of WQED's success. "We had equal billing on the television cameras, but the station never had equal billing, really. Now it will have its own purpose and identity."

**Ronald Purdue** in Byron, MN, comments on Satellite scrambling: "The scrambling is here to stay and of the 100 currently available channels, only about 34 are actually going to scramble." "There will be scores of new satellite channels aimed at the home TVRO that will never scramble and will be advertiser-supported. Some of these new channels will show current movies like HBO, Showtime, etc. do now." "There are now 5 of these channels up on satellite serving the home TVRO. I would think that people should not even be scared of buying a satellite dish! I wonder just how many club members now have a satellite dish?" I think you're right about there being no reason for alarm. I think the dish dealers are looking for a scapegoat to blame their drop in sales. Did they ever think that maybe most of those who want one can afford one already have one?

From the 5/31 Rochester Post-Bulletin, sent in by Ronald: "The Federal Communications Commission this week selected a low-power television corporation from St. Paul to begin broadcasting in Rochester. The firm, Ebonite Corp., will broadcast on Channel 65 and is planning to construct a 275-foot transmitter tower in

Haverhill Township. According to its application to the FCC, Ebonite plans to produce local programming. "It is not the intention of the applicant to rebroadcast the signal of any primary TV station," a company official said. Plans call for an advertising organization, with movies, news and sports as well as programming for adults and children. Ebonite said in its application that its broadcast plans will enhance the quality and variety to the public. The signal would reach a radius of 10 to 15 miles from the transmitter tower. The service area would include all of Rochester and Simpson, Chester, Viola, Potsdam, Douglas and Elgin. "One of the five owners of the station is Jean Goins. "Ebonite Corp. won out in a low-power lottery over..." listing several applicants, including L.E.O. Broadcasting. "The owner of competing L.E.O. Broadcasting is N. Walter Goins, son of Ebonite's Jean Goins...." "He said he is going ahead with previous plans to build another station, KXLP, in Rochester on Channel 47, which he hopes to have operating by the end of August. "I have all the approvals I need for Channel 47," he said. "I plan on being ready to go this fall." That station would not be an official low-power station, but he has previously stated it would probably serve only the city of Rochester, while retaining the potential to serve southeastern Minnesota from a tower northeast of Rochester. KXLP would rebroadcast programming from his St. Cloud station, which has been operating since 1982."

**Rich Turcsany** in Fairfield, CT, sent in lots of information. New LPTV station W3BF in Hartford, CT, is on the air in Italian, Spanish and Polish; no English. New stations under construction:

- KUPF-29, Hobbs, NM (to be independent)
- KITF-34, Beaumont, TX ("although an educational assignment, this station will be a Trinity Broadcasting Network (TBN) outlet - the first of many noncommercial stations that TBN plans to activate as Christian stations")

- WOLJ-42, Bloomington, IN (to be owned by TBN)
- WVCI-TV-61, Bay City, MI (to be independent)
- KABE-29, San Antonio, TX (to be independent)
- KTGF-16, Great Falls, MT (to be NBC)
- KO6KZ, ch. 6, Junction City, KS (LPTV)

"WWHT-68 Newark NJ has now added wrestling and the 'Golden Years of Television' to its music video format, but the format may not last for long - Wometco has put both WWHT and WSNL-67 Smithtown up for sale.... WNYC-31 has now increased power to 2800 kw, signal's very good here in Fairfield (better than WWHT). WHCT-18 Hartford is still operating at 547 kw until the new transmitter site is completed - they're showing 'The Rocky Show' wee knights at midnight in case you see a cartoon on 18 (a tribute to the programming tastes of KXLP-41's N. Walter Goins?)" It could be worse. Let me know if they start airing "Morning Stretch" after the evening news. "WSTG/64 Providence (which first aired in December 1981 with a format of public domain movies and old Three Stooges cartoons) will soon be owned by Sudbrink Broadcasting

(the new owners of Richmond's WTLN-63, now WVM). Expect a big change in its programming this fall! WJCT-60 Merril Mack in a nd WPT-51 Portland ME are not on yet, WJBT-26 New London should be hitting the air sometime in the next few weeks. Two corrections to my last letter - WTR-8 (now WJCP-8) Johnston PA (including satellite WJPC-23 Altoona) and WJIS-24 Odessa TX plan to operate as independents, not ABC affiliates: KSCN-58 Stockton CA has been running a lot of old network shows, including a few shows you don't get to see elsewhere in syndication these days. These include 'Bracken's World,' 'Chara U.S. Treasury,' and 'Hong Kong' (an ABC series that aired in 1961-62). "WRLN-21 Las Vegas NV will become a full-time indie in September (video music being dropped)."

My spacing problem is getting worse as I type this column. As it stands now, I'm typing this with the left side of the typewriter propped up on two books. Other than that, everything I'm typing is on the level. I'm definitely taking this back to the shop next week and expecting them to fix it right.

Before I get to the rest of the mail and other articles, I want to raise the issue of a future TV station guide. To the best of my knowledge, nobody in the club has any plans on producing one, and the last edition was more than six years ago.

Hopefully by the WTPFA convention which will take place about the time you receive this copy of the VHF-UHF Digest, I will have completed and updated a list of United States stations by channel, state, city with technical data, and another list by state, city, channel with network and offset. Being of computer spreadsheet and word processor, future updates should be easy and frequent. I'm hoping to finish Canada, Latin America and the Caribbean/Atlantic islands, and a set of maps by the end of summer, but might not get them done by then. Once September comes, I will probably resume college in the evening and will have very little time, if any, to do any additional projects or DX'ing. As it stands now, I have been devoting more time than I should to getting the United States lists updated and accurate. I have let other projects go, haven't done much in the way of DX, haven't sent reception reports to stations, haven't sent DX reports to John Combs, haven't done anything else for several months except this column and the lists.

But at the convention I hope to discuss the possibility of starting up a regular TV station guide with what I can provide, and in future years build it up to what it once was. No doubt it will suffer at first from stale Mexican and Canadian information, but it could be a start.

Meanwhile I know that some club members have been upset at me for not taking the opportunity to write to them. I haven't had the opportunity to do much at all.

**David Sinclair** sent in some articles. Here's a winner from the 5/7/86 USA TODAY about New Mexico television stations. KRB-TV in Albuquerque decided to increase viewers by instituting the Super Station Sweep-

stakes. It mailed couponbooks to the public, and announces lucky numbers three times daily. The winner, upon hearing his number mentioned, has 30 minutes to call the station. KRB-TV was forced to come up with its own game: announcing code words over the air, then calling phone numbers at random. If the party they call can give the code word, they win. KRB-TV, now wanting to stoop so low as to have lotteries or sweepstakes, came up with its "watch what you want and win" campaign: "They would announce KRB's numbers and KRB's code words as public service announcements. KRB filed an unfair trade practices suit against KRB."

From the Winnipeg Free Press, 5/9/86: "The Canada Radio-television and Telecommunications Commission approved a "license" to Western Manitoba Broadcasters Ltd. to operate on ch. 13 in Winnipeg, its last remaining VHF allocation. In doing so, the CRTC dismissed an application by CKND owner Izzy Asper for an educational station. "The president of Western Manitoba Broadcasters, Stuart Craig, said it hasn't been determined when the new station will go on the air but he expected no trouble in meeting the CRTC's operational September 1987 deadline."

From the 6/3 Winnipeg Free Press: "A Winnipeg physician fed up with TV violence is proposing to establish alternative programming for Manitoba viewers and he's seeking \$150,000 for the project. Dr. Percy Barsky, a University of Manitoba pediatrics professor, says shows such as Hill Street Blues and A-Team have spawned an 'epidemic of violence' since 1960, and he hopes to expand the scope of the closed-circuit station in the hospital to provide alternative viewing. Called CHTV Channel 4, the hospital's station offers alternative children's shows and films on medical instruction within the institution. Barsky, 65, the hospital's director of home care, says the station would offer non-violent dramas and instruction on preventive health care, possibly via cable stations."

David writes, "About your item...about stereo television in Canada; I telephoned the Vancouver office of the CRTC and was advised that the CRTC does not have a formal policy for stereo television and they have no information documentation etc. they could provide me. The CRTC advised me also that stereo transmission is up to individual stations. Cut local station CKVU-TV advised me that they are transmitting in simulated stereo and will be transmitting in full stereo this fall." "I wish to advise of an interesting item I just heard on television, from KTBV-TV Channel 20, Tacoma. On the Praise the Lord program, Mr. Paul Crouch advised that they had just received word from the FCC that the FCC had granted eight television permits on the same day, an FCC record, and all these eight permits are granted to the Trinity Broadcasting Network." Most likely they meant eight in one day to the same applicant. Each time the FCC has a lottery for LPTV, I would guess about fifty to a hundred permits could be granted. That is my guess, but eight sounds rather small for a record.

# FM NEWS

## New FM Station, Translator Grants

AK Scammon Bay (NW Bethel, on ocean)  
K220B \*91.9; translator, new station to  
AZ Cottonwood K237CF 95.3 (K1HX 106.3 be  
Prescott Valley) ion 86.1 in Che-  
CA Desert Hot Springs K215BA \*90.5/week AK  
(KCRW 89.9 Santa Monica)  
CO Durango K208BB \*89.5 (KSUT  
91.3 Ignacio)  
CO Garfield (w. of Salida) K228CF 93.5  
(KVLE 102.3 Gunnison)  
HI Haleiwa K204BB \*88.7 (KHPR 88.1  
Honolulu)  
ID Pocatello K249CM 97.7 (KLCE  
97.3 Blackfoot)  
MN Clara City K224-92.7  
(KCGN 101.5 Ortonville)  
NY Utica W220AF \*91.9 (WRVO 89.9  
Oswego; FCC said it will be on 97.7;  
but calls they gave are for 91.9,  
so I assume 91.9 is correct)  
ND Devils Lake K218AV \*91.5 (KFJM-FM  
89.3 Grand Forks)  
OH Cincinnati \*90.1 5700  
horizontal; 5000 vertical; 385' \$, g,  
Family Stations  
OR Bend K221CQ 92.1 (KXIQ 94.1 Bend)  
OR Eugene K272CL 102.3 (KZAM-FM 95.3  
Creswell)  
PA Forty Fort W261BX \*100.1 (WRGN 88.1  
Sweet Valley PA; is WRGN stereo?)  
SD Green Grass (N. Eagle Butte) K213AV  
\*90.5 (K1LI 90.1 Porcupine)  
SD Whitehorse (NE Green Grass) K220BQ \*91.9  
(K1LI)  
WA Ellensburg K292DQ 106.3 (KXDD  
104.1 Yakima)  
WY Jackson K285CY \*104.9  
(KRIC 100.5 Rexburg ID)  
WY Lander K203AV \*88.5 (KUWR \*91.9  
Laramie)  
ON Toronto \*90.3 \$, c 3500 h.v;  
CBC-French

### Call Letters Changed or Granted

AL Russellville 97.7 WZM X  
KFPW-FM; AM is in Ventura CA)  
AR Fort Smith 100.9 KBBO-FM (KFPW-FM);  
AM is in  
Ventura CA)  
CA Roseville 93.5 KDQJ (KPQI); still r  
FL Daytona Beach 101.9 WORZ (WCFI); Z-102  
FL Marathon 97.7 WFFF [95-INZ"  
FL Miami Beach 94.9 WINZ-FM (WSSST)/  
FL Perry 105.5 WNFK (WPIC)  
FL Tampa 100.7 WUSA-FM (WIGI), "W-101"  
IA Ottumwa 97.7 KOTM"-FM" (KLEE-FM)  
LA Abbeville 104.9 KROF-FM (KASC)  
ME Portland 97.9 WWGT (WJBD)  
MI Charleston 105.9 WKHQ-FM (WKHQ"-FM")  
MO Gordonville 99.3 KCGQ (KJAO)  
NV Reno 101.7 KSXY (K-Sexy?)  
MO Montgomery City 103.9 KDMC (KVCMM)  
NJ Camden \*106.9 WKDN (WKDN"-FM")  
NY Hempstead 88.3 WMMG (WKJY)  
ND Rugby 95.3 KZ2J"-FM"  
OK Alva 94.3 KTTL (KTJJ)  
OK Oklahoma City 104.1 KMGL (KOMJ);  
affects one translator  
FA Bellefonte 95.3 WWZV  
PA Greensburg 107.1 WPNT (WOKU)  
TX Bastrop 107.1 KLIO"-FM" (KELG-FM)  
UT Provo 94.9 KBNG (KLRZ) [Fisher WV)  
WV Petersburg 107.1 WELD-FM (AM is in/  
ON London 103.1 CIQM, m[-o-r] music  
ON St. Catharines 97.7 CHTZ (CJR), r, \*97-  
Hits FM" (very strict; our reporter never heard  
calls mentioned in a long period of listening)

## Deletion

TX Denison KACU \*89.7 (not on FCC list a  
more and confirmed by phone as off the air,  
most likely for good)

### OFF THE AIR

IA Boone KWBG-FM 98.3, but station being  
sold-to-be r, with new call letters  
Stereo, or to be Stereo (\$)  
AZ Phoenix KFLR-FM \*90.3  
AR Little Rock KUAR \*89.1  
FL Bradenon WJIS \*88.1, "Joy-88"  
FL Mary Esther WYZB 105.5  
FL Tampa WBVM \*90.5, [gospel] music,  
preaching  
GA Carrollton WWGC \*90.7, "They have been  
mono for a long time, since at least  
1982 . . . . . playing heavy, heavy metal"  
IN Carmel WHJE \*91.3 "Students helped raise  
money and finally new equipment was  
purchased-on 24 hours as usual"  
IN Connersville WCNB 100.3 "I'm sure I told  
you they were in a two years ago"  
IA Mason City KNIG 93.5 r, also see "SCA"  
MI Port Huron WJFA \*88.3 g, signing off 1658  
EST  
NY Cobleskill WITU 103.5  
TX Weatherford KADE \*89.5, "Very good signal  
and clean sound for 370 watts!"  
BC Kamloops CHRK 97.5, "They have a very  
strong signal as they come from a very small  
antenna on a high hill. . . . . that's an odd  
town as it's about 16 km long and 1 km wide,  
all in a valley of two rivers. The hills  
are like huge dunes and the towers are all  
on one of them, SW of the city centre. The  
stations BOOM in better than any I've heard  
anywhere. Cable FM is also big there-we heard  
CHQM-FM Vancouver in a store and the lady  
said 'Oh, yes, they're on cable and everybody  
listens to them!'"

### NOT IN STEREO-DELETE \$ LISTING

IA Des Moines KDMI 97.3  
FMistakes-10th ed. "FM Atlas"  
AL Dothan p. 91, 95.5 is WTVY-FM (not WIBY)  
AK Kenai p. 91, KGTL 100.9 (not 100.5)  
AK Mt. Point p. 91, KRBDt (not KRBBt)  
AK Nome KICY-FM p. 91, 100.3 (not 100.9)  
CA Part I, translators of KCHO Chico 91.7 (not  
91.1); affects Chester 88.3, Marysville  
91.9, Quincy 90.5, Red Bluff 91.5 and  
Redding 90.7. KCHO now c) (not cr). The  
translators in Marysville and Red Bluff  
said to be going off the air due to KCHO's  
rise to power, but I'll wait to hear if they  
actually go off before considering them  
deleted.  
CO Denver KCFR \*90.1 missing p. 130, is \$, 91'  
50000 v; P  
CO Eagle p. 66, 102.3 KVEET (not KREXt)  
CO Greeley KGBS 98.1, p. 142, dual city ID  
with Fort Collins, not Fort Collins  
FL Harbor Beach p. 97, WWTM delete listing  
(is in Michigan)  
GA Cumming p. 132 misspelled, WVEV \*91.5  
GA p. 31, top of map claims NC on p. 26-27,  
when it's actually 28-29  
GA Tifton p. 149 WSGY is 100.5, not 100.05'  
("I'd love to see the coverage map for  
this one")-primary coverage at 100 kw  
would be about 75 mi., if I could extend  
the curves off the FCC chart, ed.)  
MN Benson p. 105, KSCR town missing  
MN Rushford p. 48 delete KISE \*91.7 (has  
permit to move to Rochester MN)  
MS Jackson WJSU \*88.5 p. 106, not JSJU

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

## NV p. 68 KILA translators in Alamo, Caliente and Hiko add \* symbol

NM Farmington p. 65, 103.1 KTDBt add \*  
NY Albany WGNM 107.1 slogan listed  
twice, p. 162  
NY Brockport p. 109, WBKT \*93.3 (not 93.5)  
NY Ithaca p. 18, WORN Wt 107.7  
(not 107.1)  
NY Oswego p. 129, 89.9 WRVO (not WVRO)  
NC Sanford p. 131 (not Samford), WDCC \*90.5  
NC Wilson WRDU 106.1 p. 159 list as WILSON-  
Raleigh-Durham, not WILMINGTON-etc.  
OH Cleveland WCRF 103.3 p. 41 add \*  
OH Huntington name missing from p. 112, WZZT  
PA Johnstown p. 155 \*103.5 WKVR (not  
WVKR)  
SD Mission KGGGt p. 115 shows 98.3; p. 52  
shows 92.1; is 98.3.  
SD Sioux Falls p. 115 KCSF 100.1 remove \*  
TN Germantown WEZI 94.3 missing from p. 138,  
is \$, 300'; 3000 v, I  
TX Denton 106.1 KTKS not on p. 61 map  
TX Plainview p. 131, \*90.7 KDTD (not KOTD)  
TX Chesapeake WFOS \*90.3 missing from p.  
130, is \$, 145'; 1500 v  
VA Mechanicsville WZZR 92.7 p. 119, remove  
\$ symbol (not sure if \$ or not)  
WV Bluefield p. 156 misspelled, WHAJ 104.5  
WV Elkins WDCM missing from 90.3, p. 130,  
is minus 345 feet, 1000 v  
WV Parkersburg p. 130 WVPG \*90.3 missing,  
is \$, 320'; 9000 v  
WI Green Bay WGBP p. 130 town not Bay  
WY translators of KLGT 92.7 Buffalo in  
Gillette, Sheridan shown as being of KLGMM  
AT Calgary, Edmonton, p. 122 CKD stations  
are [news] not m [29 mi. coverage  
BC Invermere p. 123, CFWL-1 107.1 missing/  
MB Winnipeg p. 123, 99.1 CKO-FM 7 is n, not m  
NB Campbellton p. 131 CBASE 90.5 missing,  
is 730' 6700 v (O.A) [123  
NB Saint John CKO-FM10 is n, not m, p/  
NS Halifax p. 144 CKUD 97.5 add \*  
ON Kitchener p. 147 CKWR 98.7 add \*  
ON Muskrat Dam CFMD 105.1 not on p. 86  
map (N. Weagamow; E. Sandy Lake)  
ON Red Lake p. 124 CKRE missing, 5 mi.  
ON Windsor CBE-FM missing p. 130, 89.9,  
CBC Stereo, \$, 538'; 100000 v  
PQ Dolbeau p. 88 CBJ-3 frequency missing,  
93.1 [missing  
PQ Kuujuaq p. 81, 90.1 CKUJ calls/  
PQ Kuujuaqjarrick p. 81 remove CKUJ calls  
PQ Povungnituk p. 81 is in small type p.  
81; in large type p. 89; call it large  
type-at 29 watts, it could be either!  
NW Spence Bay p. 126 CB1Q calls missing

### Formats

Networks are no longer being reported, as my  
decision to drop them is effective as of now. I  
have left the keypad system and am temporarily  
without full computer capability. I am  
working to make my home machine do all its  
supposed to do, and expect by next month to  
announce further changes, such as in the SCA  
categories. In my next "FM Atlas" I plan to  
explain why I've decided to drop network  
listings, but the reasons are basically the same  
as what I explained in this column several  
months ago: JA Ames KEZT 104.1 b - for 3rd  
AL Tuscaloosa WFFX 95.7 (not p) I time!  
CA Glendale KUTE 101.9 now sj  
("predominantly fusion/fuzz 3 p. m.  
to midnight"), now ID with Los  
Angeles and "Cute 102" nonID  
CA Porterville K100 99.7 m, no Spanish, no rock  
FL Titusville WSCF 98.3 [middle of road] music  
GA Etihay WLJA-FM 93.5 kg, signs off 10 p. m.;

## FCC-FM

too weak to tell if \$, and no telephone  
listing available IA Perry KDLS-FM 104.9 r  
IN Salem WSLM-FM 98.9 is [gospel], not k  
MA Chatham 107.5 to be c-expected on spring  
'87  
MS Gulfport WZKX 107.1 r [ok]  
MT Forsyth K1KC 101.3 k, "Kick-Country"  
NY Rochester WZKC 98.9 r (oldies),  
"Classic hits . . . . . 98.9"  
ND Oakes KDDR-FM 92.3 r and small-town  
news, monophonic  
PA Ebensburg WIYQ 98.1 r [ok]  
PA Philadelphia WMGK 102.9 rs (rock and  
soul), no nonID, use calls with "Magic"  
TN Sooddy Daisy WNOO 102.3 s (not ml  
TX Abilene KACM \*89.7 m (soft adult  
contemporary days; classical nights,  
some jazz)  
TX Houston KHUF \*88.7 j (c days and  
evenings); j 10 p. m. to 5 a. m.  
UT Kanab CKCK 101.1 [country]  
VA Cape Charles WWHG 96.1 to be r, "Wave-  
96," dual city ID with Virginia Beach;  
expects to change call letters to WIAV  
WA Cheney KEYV-FM 101.1 m,  
"Gourmet-101," ID with Spokane  
ON Windsor CKLW-FM 93.9 r, slogan (not a  
nonID), "CKLW Motor City"  
ON AIR AND DX READY (SELECTED)  
VA Winchester WTRM \*91.3 (although FCC  
news release said 95.3, but earlier data had  
it as 91.3) 1350 h, 445 v, 500', g, Stereo?

### Multi-City Identifications

IL Jacksonville WYMG 100.5 adds Springfield  
"Magic 100" (not strict)  
IN Anderson WLNH 97.9 is with Indianapolis  
at times, with Muncie at times, or at  
times just Anderson, "Lite-98"  
IN Vevey WKID 95.9 adds Carrollton KY, "96-  
Country" (strict)  
IA Waterloo KNEWS-FM \*101.9 adds Cedar Falls-  
Cedar Rapids. KFWM 107.9 very weak and  
is [Waterloo IA  
obviously not at 1800 feet any more  
MA Nantucket WXYJ 96.3 includes "Cape Cod,"  
but I will not list that, as I only show  
cities in multi-city IDs, not counties,  
regions, townships, etc. [Petosky  
MI Gaylord WKPK 106.7 adds Traverse City/  
MI Oshtemo WQXE 100.9 adds Kalamazoo  
MI Petoskey WMBN 96.3 adds Traverse City  
MO Liberty KKCI 106.5 adds Kansas City (not  
North Kansas City), "K-Lite 106.5 FM"  
(strict)  
NJ Trenton WKXW 101.5 only as Trenton now  
NY Dundee WFLR-FM 95.9 adds Penn Yan-  
Watkins Glenn [many cities  
PA Williamsport WKSb 102.7 rotates among/  
SC Manning WHLZ 92.5 adds Sumter-Florence  
(k), "Wheels"  
SC Sumter WWDM 101.3 adds Columbia  
TX Robertson KLUX \*89.5 adds Corpus Christi,  
gm, \$, some Spanish  
VA Colonial Beach WGRQ 95.9 adds  
Fredericksburg-Lexington Park MD, is  
r, \$, 9-96 (not strict)

### NonIDs, Excluding Slogans Given with Calls

From now on, only report slogans you hear  
frequently used each hour on a station, and  
only slogans you hear spoken or sung without  
call letters; report only the most-off-heard  
slogans which are brief and take little space to  
print. Thus, "Electric 106," for WTRK Phila-  
delphia, does not count, as it is always (or  
almost always) given along with call letters.  
This column will, therefore, be devoted to  
nonIDs and not slogans. You can call a station a  
"strict" nonIDer if it appears to give only its  
nonID during the hour (and call letters only on  
the top of the hour or close to the top of the  
hour); and a non-strict user of a slogan if call

letters are spoken or sung more  
often than once per hour on a station. If call  
letters used every break, then the slogan for  
that station will not be listed. Feel free to write  
in and we'll clean house on stations that are  
listed as having nonIDs when in fact they are  
CO Denver KPKE 95.7 Denver's Peak [not nonIDers  
FL Boca Raton WKOS 99.9 Kiss-FM, still k  
GA Athens WAGQ 104.7 Q-105 (The Q rarely  
used)  
GA Eastman WUFF-FM 92.1 Wool 92-FM  
-heard in mono, but not sure if \$ abandoned,  
or if station was just following correct  
practice of shutting off \$ generator for mono  
program [Classic Rock-105, \$  
IN Bedford-Bloomington WQRK 105.5/  
IN Monticello WKJM 96.3 Magic-95-FM (strict)  
KY Paducah WDDJ 96.9 97-FM (strict)  
LA Lafayette KSNB 84.5 Hit Radio 94 1/2  
MO Westminster WGRX 100.7 100-GRX  
MA Lowell WSSH 99.5 Boston's Wash, mr  
MN East Grand Forks KZLT 104.3  
K-Light 104, lite r  
MN Fergus Falls KBRF-FM 103.3 B-103  
MN Minneapolis WLTE 102.9 no nonID,  
"the new WLTE" still mr  
MO Columbia KARO 101.7 K-102 (strict);  
omitted from VUD, p. 24, July '86  
MO Kansas City KPRS 103.3 K-103  
MO Lebanon KIRK 103.7 K-Jel,  
simulcasting with AM  
MO St. Joseph KSFT 105.1 Stereo  
County; 105 (not strict)  
NY Kingston WBPM 94.3 FM 94-3  
NY Poughkeepsie WPDH 101.5 PDH  
NY Reisselaer WQBC-FM 103.9 QBC-FM  
NY Sag Harbor WING-FM 92.1 "Has  
never been Power 92"  
NC Raleigh WYLT 96.1 W-Lite  
ND Bismarck KBYZ 96.5 Z-96, \$, r  
ND Devils Lake KDVL 102.5 K-Devil-FM  
ND Grand Forks KJKJ 97.0 m, KJ-108  
OH Ottawa WQTL 106.3 QT, RML  
PA New Kensington WXPP 100.7  
Double X, still r, some cp  
PA Philadelphia WCAU-FM 98.1 98-CAU-FM  
WIOQ 102.1 no nonID  
WTRK 106.1 no nonID ("Electric-  
106" always said with call letters)  
TX Amarillo KMML 98.7 KML  
TX Edinburg KVLV 107.9 K-Valley; b  
TX San Antonio KITY 92.9 no nonID  
(says "Power 93 KITY")  
WY Gillette KOLL 96.9 Coal-97  
KWGY 100.7 Y-100 (strict)

### Facilities Changes Granted

AK Homer K280CJ 103.9 (from K272AT  
102.3) [(3000 h.v)  
AZ Wickenburg KUUK-P-M 105.5-265'  
AR Blytheville KHLS 96.3 (station says  
"K HLS going to 96.3 is on hold")  
change map wording to say "from 96.1"  
CA Barstow K221CR \*92.1 (from K228CO 93.5)  
CA Yarnesboro WYFA 100.9 1900 h.v; 410'  
IA Delwien KOEL-FM 92.3 10000' (10000 h.v)  
ME Rockland WCMC 93.5 560 h.v; 610'  
MN Moose Lake K220BP \*91.9 (from  
K203AN 88.5) [103.1  
NV Ely K249CL \*97.7 (from K276CG/  
NH Exeter WERZ 107.1 2500 h.v (350')  
NH Keene WKNF-FM 103.7 24500 h.v; 690'  
NY Carthage WJQA 103.1 535 h.v; 620'  
NY Cazenovia WITC \*88.9 (from 90.9)  
130 h.v; 205' [(4000 h.v)  
NY Watertown WJNY \*90.9 450'  
NC Charlotte WSCC-FM 103.7 1060'  
NC Statesville WFMX 105.7 1550' (100 kw)  
ND New Town (from Four Bears) KMHA \*91.3  
OH Medina WDBN 94.9 16200 h.v; 880';  
reduces coverage to that of a normal  
class B, losing its grandfathered super-  
coverage status  
OK Marlow KFXI 92.1 1700 h.v; 330'  
TN Monterey WRJT 107.1 1250 h.v; 485'

TX Groves KTFA 92.1 310' (3000 h.v) Aug., '86  
VA Altavista WKDE-FM 105.5  
330' (3000 h.v)  
VA Marion WMEV-FM 93.9 adds v,  
100000 h.v; 1460', directional  
WA Bremerton KHIT 106.9 820' (100000 h.v);  
reduces coverage, locates tower in  
Seattle to end rim-shottedness there  
WV Elkins WVHT 99.3 330' (3000 h.v)  
WV Morgantown WWVU \*91.7 2400 h.v;  
69', directional  
WI Land O' Lakes W292CG 106.3 (from  
W288EA 105.5) [h.v)  
WY Casper KTKL 106.9 1835' (100000/  
SCA) Action, 67 and 92 kHz  
CO Greeley KUNC \*91.5 no SCA (talking book  
for blind suspended because of funding)  
GA Columbus WNKs 102.9 music resumed after  
6 month hiatus, not Muzak  
GAWaycross WXVS \*90.1 talking book for blind,  
67 kHz, classical main channel (same SCA as  
on WDCO-FM \*88.7 Cochran-Macon and  
WJSP-FM \*88.1 Warm Springs-Columbus)  
IA Des Moines KGGQ 94.9 92 kHz open carrier  
IAMason City KNIO 93.5 67 kHz data (telemetry)  
IA Waterloo KOKZ 105.7 67 kHz 1X (data)  
KS Lawrence KLZR 105.9 92 kHz Multicom  
KSLeevenworth KZCC 98.9 no SCA (open carrier  
only); ID on main carrier with Kansas City  
LA Baton Rouge WRKF \*83.3 confirmed Muzak  
67 kHz; Multicom 92 kHz  
LA Shreveport KVKI 96.5 no SCA (had music)  
MI Traverse City WTCM-FM 103.5 no SCA (had  
NBC news relay)  
MO Harrisonville-Kansas City (dual city  
ID) KCFX 100.7, "The Fox" (not strict),  
no SCA (had data).  
MO Kansas City KBKC 94.9, B-95, has 92 kHz  
paging (drops carrier), music continues on  
67 kHz. Main carrier is rock and soul music  
NJ Blairstown WFMW 106.3 67 kHz data  
NJ Newark WNWK 105.9 92 kHz Greek  
(67 kHz is Italian)  
NJ Paterson WPAW-FM 99.1 67 kHz data  
NJ Zarephath WAWZ \*93.1 no SCA (had music)  
NY Albany WWOM 100.9 1X 67 kHz  
telemetry, "FM-101"  
NY Lake Success-New York WAPP 103.5  
no SCA on 67 or 92 (had data, 67 kHz)  
NY New York WNYN 97.1 has 92 kHz Chinese  
music (a music-only service going out  
to Chinese restaurants, 1E[ethnic]); 67 kHz  
retains background music  
WBAI \*99.5 talk on 67 and 92 kHz  
WNCN 104.3 Multicom dae 92 kHz (other  
data on 67 kHz)  
WNSR 105.1 data on 92 kHz (and 67)  
NY Port Jervis WTSX 96.7 has AM station  
WDLCL on 92 kHz for cable companies'  
reception (TS still on 67 kHz)  
NY Poughkeepsie WSPK 104.7 talk (not  
data), 67 kHz [(not Muzak)  
RI Providence WKSF 99.9 music, 67 kHz/  
RI Shovelton WBRU 95.5 talking book for  
the blind (not music), 67 kHz  
SC Greenville WESC-FM 92.5 rock SCA  
(Muzak Foreground): "I was surprised  
to find this on 67 kHz, expecting instead  
for it to be 92 kHz on WFBC-FM 93.7,  
which has regular Muzak on its 67 kHz  
subcarrier"  
TX Dallas KOZY 105.3 music, 67 kHz  
Readers' Reports and FM News  
Waldo Bishop comments about what Charles  
Hubbell, Kenmore NY wrote: "Wonder what  
he thinks about a variety of stations in "day after  
day", ranging from St. Petersburg, Sarasota,  
to Clearwater and Crystal River. Waldo does report  
that WMEZ 94.1 Pensacola seems to be on low  
power now. And FL State expects to get a p-son for  
WVFS-FM, "V-89", to be album rock. More  
details when I find out more.

Nick Lombardi says WFOX 97.1 Gainesville GA now at full power and height (1890'). Chief engineer "says they have noticed a slight falloff in signal level in some of the outlying areas, and attribute it to the extremely dry weather. . . (area lakes are half full, ground doesn't contain the usual amount of moisture, etc.)." About the Atlas: "I think the maps would look better (i.e., less cluttered) if you would make what you did on p. 66 (CO) standard. There is really no reason to have the reader every single page that FM stations occupy the spectrum between 88-108 MHz, and then go through a long-winded dissertation on what each class is. Simply explaining them ONCE somewhere in the book would be enough!"

Coming on the air June 27 was CHTZ 97.7 St. Catharines ON.

# We Are -FM Radio



Paul L. Gaines sent an article mentioning that Detroit Joe Krause co-authored a primer on radio behind the scenes (along with Michael Keith), "The Radio Station" (Focal Press, 272 pp., \$19.95 softcover). I've tried to get the "FM Atlas" mentioned in my local paper, but the entertainment editor will not do so, as he thinks the book is too specialized for his market, despite the fact that I pointed out to him 75% of cars have FM radio and people are doing more driving than before (lower gas prices, fear of terrorism keeping many in the U.S.A.).

Maryland's Norval Pagenhardt sent a reel-to-reel tape of several Philadelphia and Raleigh stations he heard on tropo, and a letter from a DX listener in Chile, whose English is rather bad and it is hard to make out what he's trying to say. It seems he receives, or tries to receive, PR stations, such as WORO 92.5 Corozal, and FL WRIT 92.7 Stuart. [If you send tapes and what 'em returned, enclose return postage, although I will take your word for a station format and do not require having to listen to it!]

Richard Clark, in DR, reports getting SCAudio from an outboard adapter, the Capri CD-01, connected to his FM tuner and NRD-505 longwave receiver. I know others have gotten SCA by connecting an FM tuner or detector output into a longwave receiver, tuning carefully in the 67 through 92 kHz range.

Paul Swearingen, who DXes many bands, sent a copy of an article he's written for MONITORING TIMES. He quotes from the introductory material in the 10th ed. "FM Atlas," and says in part: "Dr. Elving and others have been hammering away at AM radio's shortcoming since FM started as an underdog, an afterthought to the well-established AM broadcasting industry. But the differences between the two media are really slight, and it's high time that we recognized them... many AM stations are engineered to sound better than quite a few FM stations. It's simply not true that ALL FM stations sound better than ALL AM stations. . . . AM radio is in a state of transition. But it's a healthy transition. . . . Another signal that the AM band will continue to remain healthy, after the current transition phase, is the planned expansion of the AM band from the top end of 1605 kHz to 1705 kHz. . . . Aside from offering unique DX opportunities as they come on the air, the new stations would provide better local/regional service to minorities, noncommercial services and daytime stations." He goes on to describe when AM is superior to FM, such as driving and listening to KFI 640 Los Angeles, WWL 870 New Orleans, WBBM 780 Chicago, WBZ 1030 Boston and WRVA 1140 Richmond in much or the country. He also describes AM stereo and how it sounds good on the Sony SRF-A100. It's an interesting article, complete with FM Atlas plug, although giving the wrong price for the book (it is \$9.50 with shipping). The article makes the common fallacy that AM is personified by the 50-kw clear channel stations, whereas the majority of AMs are Class III and IV local stations and daytimers. Not mentioned are directional antenna operations, presunrise powers of only a few watts in many instances, etc., all of which militate against AM providing a consistent service to all of America's population and land area. And if there were a demand for AM stereo, I believe I would have sold my Sony SRF-A100 through the club, where I had it advertised. I have had two of those radios, and had a hard time discerning any stereo separation using the radio's speakers. I sold the latest one I had at the blind convention in Kansas City for \$85.

Paul's article is entitled "Making Waves." An even more extreme article than what I wrote in the VUD appears in the current "Radio World," which goes out to all U. S. radio stations (mainly to engineers). It is entitled: "AM Improvement Lost Cause," of which I received an advance copy (July 1, 1986 issue), with the editor saying: "I ran your recent submission as a guest editorial (pages 5 and 6). I hope we hear a lot of responses, pro/con/whatever. I find your activities fascinating." Included were my name, address and telephone number, so it will be interesting to see what happens. I commend RW on having the courage to print the article. Among the things I say are: "Our interest in nostalgia notwithstanding, Americans will not go back to AM. FM, which languished for decades in AM's shadow, is destined to take its rightful place as the only purveyor of radio broadcast communications worldwide (save perhaps for international shortwave broadcasting). Thinking that it does not matter whether it is AM or FM, the important thing is that is Radio," is a fallacy that has been embraced not just by radio management and by the regulators, but unfortunately by the engineering community." If you want a photocopy send 50 cents in cash or mint stamps (yes, Virginia, you can go to the post office and buy a 50 cent stamp!) to me.

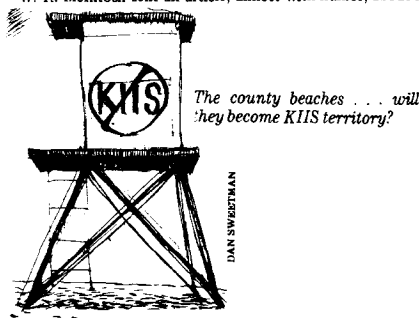
The proposal I state for saving what was "once known as AM radio" is to have AM broadcasters cooperate with nearby FM or TV stations and use subcarrier for their programming (FM at 67 or 92 kHz; TV at 78.67 or 102.271 kHz). I outline how I have had a prophetic view of FM's ultimate dominance for some 30 years. Included also is a plug for the club, giving prices for sample copies of the VUD and a year's membership. I have also written an article for a new QST publication on FM subcarrier reception.

In other publication news, "Religious Broadcasting" mentions that WPIT-FM 101.5 Pittsburgh now at or near 50 kw, and they had a "50,000-watt Week" in May. Grand price was 50 music cassettes, as awarded over the air. Canada's "Broadcast Technology" magazine says FM listening is now 45%, up from 40% in 1984 and 16% in 1977, with 60% of Canadians listening to some FM each week. But Pete Nolan's "M Street Journal" says FM growth in the United States is down somewhat—from a high of 71.8% in the last survey to 71.3%. Spring, 1986. "It is the first time since RADAR surveys began in 1972 that FM failed to register an increase in listenership." Pete's paper also notes the educational FM-Channel 6 TV controversy, in which the CPB and other public radio groups tried to get the FCC to put a freeze on new channel 6 TV allocations and applications, which the FCC turned down. "The issue could potentially be complicated further by the proliferation of new, low-power television stations on channel 6."

From Vancouver, David Sinclair sent an article about a proposal for a non-profit FM station devoted to the arts, no frequency mentioned, and an item from Victoria about a proposal to bring CBC stereo to that city. It would also include a studio. Article said only "fringe" reception is possible there from CBU-FM Vancouver.

I heard from WWIB 103.7 Ladysmith WI, and they say the Ashland WI 100.9 translator is temporarily off the air. "It may be relocated at Washburn, across the bay, and it will be at the same frequency. We are not presently using our SCA. We were testing for that paging company, and it did not work out. We would like to make use of our SCA, but nothing in the works for the present." They are working on a new Class C station in Rhinelander, "but with the tower between Rhinelander and Wausau. We are now looking for a 900' to 1,000' tower. If you know of a used one, please let us know." I think the station they are trying to get is WZTT 97.5, a c-p which has never come on the air. In Omaha, it appears that KGBI has changed its SCA; station claims to be still on 67 kHz, but data no longer print out commodity information as before.

W. R. McIntosh sent an article, almost with humor, about KIIS



102.7 Los Angeles trying to get an exclusive at the area beaches for doing promotions and concerts. This has caused stations like KPWR 105.9 to be concerned, and they don't want the county to grant an exclusive to any radio station. Mc said, "At first I thought this was a 'put on', but then I noticed the paper was not dated April 1st."

Eric Fader says "Yes, WEZN 99.9 CT should be listed in the NY area map (see June VUD)." He gives some db figures for his Queens location, which put WEZN above such stations as WEBE 107.9, WZFM 107.1, WJHA 105.5, WFAS-FM 103.9, and WLIR. He said WLWY 95.9, at 40 db, should also be included.

Nonmember Don Voegele sent an article on how Australia is trying to clear the entire FM band of TV stations—a mistake going back to the 1950s. Article said Australia is the only country having TV in the 88-108 MHz FM band, but consulting my WRTVH I found such countries as Japan, and much of eastern Europe having that situation. WIM-4 in Hlawara seems to be the only Australian broadcaster thus affected, and the government is looking for its ultimately reposing on Australian channels 6, 8 or 11.

After being at the National Federation of the Blind convention in Kansas City as an exhibitor (where our sales of SCA radios were very successful; I am now sold out, save for some clock radios), I can empathize with the following from E. R. Sirovoy: "Your print size in VHF-UHF Digest is smaller than some fiche I have seen!" If the printing is as good this month as last, I am sure you will find the VUD easier on the eyes. Steve Russell, who ordered an "FM Atlas," says "I am also a member of WTFDA and enjoy your column very much." Mark Geyman is also in the club and has a Radio Shack 10-element FM yagi antenna, and considering getting a Channel Master Stereo Probe 9. I'd think either would be excellent to DX with, especially with a rotor and the time to give to the hobby, as I have not had this year. Fred McCormack: "I am busy transferring my loggings to the tenth edition of your FM Atlas. It sure is a fine piece of work. I really appreciate that you have finally brought back Canada, although Quebec, etc. map is really wild!"

John Jefferson has some Canada mysteries. He said Allardville NB, CBC, is listed on 97.9 (?) while Penticton BC (CBTP?) is on 88.9. He confirms that KSUE-FM Susanville is on 93.3, having moved from 92.7. KWSP 106.3 Santa Margarita expects to be on by now; "their format is currently a secret. KIBC 90.5 Burney is now aiming for 8-1, with some testing possible" in July. KTSC Pueblo still on 89.5, as of July 5. John reported on many translators, with K207AJ Palo Colorado being on a hill and having its tower downed by mudslides, while K265CF Graeagle (paralleling KNXN 101.9 Quincy) is viable. Driving to Nevada City, John tuned in K257CJ Davis on 99.3, "confirming that it carries KXPR 90.9 Sacramento. Terrible coverage: KJAX Stockton was strong a mile outside of Davis and simply swamped the translator." And he wonders what K5AN-3 Danville is—just an arm of K5AN-1 Pleasanton? My data show it as a separate call sign, and a separate station from K5AN-1, ed.

"I noticed the mention in the latest VUD by someone of the 92.1's in both Tulsa and Houston picking up the classical formats dropped by the Class C stations," writes Pete Nolan. "That's not really a fair assessment for Houston—Seabrook is a lot farther from Houston than Broken Arrow is from Tulsa, and KUHF doubtless has a lot more listeners (and a much better signal) than KLEF-92.1. Incidentally, it could be a lot worse for fine arts lovers—in Phoenix, where KONC 101.5 dropped its fine arts format, it was (as with KUHF) partially picked up by a noncommercial jazz station, KJZZ 91.5, and just this week the kONC call letters were applied for by the new owners of the 1230 in Phoenix—a 1 kw, Class IV AM station. If there's anything worse than relegating fine arts to a Class A station only a few people can hear, it'd be on an AM station where even the few people who CAN hear it have to put up with co-channel interference and dubious fidelity. My sympathies to Phoenix."

"While on Phoenix, as part of its plan to take the market by storm .KIKO-FM (applying for calls KEYX) 100.3 Globe in addition to going to an AOR format and moving its studios to Mesa, will be going stereo. The old KIKO-FM 100.3 was in mono, which, at a distance of 90 miles, was probably the only way the signal was audible in even a portion of the [Phoenix] market." (Pete, let me know if the KEYX transmitter is moved; I would think so if they plan stereo operation and to conquer the Phoenix market, b.e.)

"Lastly, I saw an interview recently with WFBO Indianapolis's Bob and Tom morning team, which you've mentioned several times in your column as being the target of a campaign to pull advertisers from due to the poor taste relied upon by the program for its 'humor.' According to this article, the campaign has actually backfired—ratings and billings are up at least partially because of all

the publicity that campaign generated for the show. . . . . While I have nothing against 'blue' humor per se, I do find B&T's particular show—what I've heard of it—both offensive and flatly not funny. There's a difference between slipping in the occasional offensive joke or profanity because it's a natural part of the audience's lifestyle, and relying on that type of 'entertainment' every time the microphone is opened in a self-conscious effort to shock the audience. There's no excuse for the latter."

Ralph Strobel sent much news from his area, and an article saying how radio wars are erupting for the r audience in Muncie, with WOKZ 104.9 battling it out with WLBC-FM 104.1. WOKZ just bought out AM station WERK, and Ralph wonders if 89.9 Miamisburg OH is going to 96.9 and if Chicago and Park Ridge IL on 90.5 and 90.7 will ever get more than 8 watts? [I don't know anything more than what is in the "FM Atlas" and what has been in this column about those stations—b.e. He also wondered what new frequency KCDA 103.1 Coeur d'Alene ID will go to when it gets 100 kw, which I don't know, with no high powered allocation showing for that town on my lists.] Two people sent an article from the Toronto Star on radio ratings, with CHUM-FM 104.5 leading, and CFRB 1010 on a downhill slide. CBL-FM, misidentified as "CBC-FM" had 3 percent of the audience, "a respectable showing for the highbrow station," while CKO, CJRT, CKLN and CJBC (AM, a French station) brought up the rear. Eric Bueneman sent an article on a school disc jockey, Tim Board, at KCFV \*89.5 Ferguson MO, winning an award for being a good student-broadcaster. [See his picture below]

### Contributors

Joseph H. Albanese, Altoona PA; Murray Bernstein, New York NY; Waldo F. Bishop, Tallahassee FL; Jeff Blair, Lima OH; Richard Clark, La Vega DR; E. Fader, Bronx NY; Roy Efferson, Baton Rouge LA; Ted Fleischaker, Louisville KY; Ed Frye, Los Angeles CA; Paul L. Gaines, Detroit MI; Mark Geyman, South Euclid OH; Roger Gravelle, St. Thomas ON; V. V. Gubitosi, South River NJ; Joel Herrmann, Storm Lake IA. Joel says:

"XXXI 93.5 Des Moines still k—they have begun to chip away at KJUY Ankeny's ratings while not making a dent in k leader KSO-AM. KJUY is buying KMFY 1390. Wouldn't be surprised if they drop the big band format on the AM and simulcast. KHAK-AM-FM Cedar Rapids and KLSS-AM-FM Mason City all simulcast due to FCC rule change. KUOO 103.9 Spirit Lake now 24 hours—they are simulcasting KEY9 99.1 Mankato, 1230 to 5:30 a.m. (same owner). Plenty of Z-99 IDs on 103.9; few mentions of KUOO other than legal IDs; this was their response to KJUG (Spencer IA) expanding to 24 hours." Other contributors:

Clarke Ingram, Gilbert AZ (who will be sending some information on Mexican stations, while driving I-8 to CA); A. Jackson, San Juan Bautista CA; John M. Jefferson, Pleasanton CA; Nick Lombardi, Atlanta GA; Fred McCormack, Fargo ND; W. R. McIntosh, Granada Hills CA; George J. Mileon, Lynn MA; A. J. Morinelli, Omaha NE; Dave Nieman, Akron NY; Peter Nolan, Houston TX; Paul R. Mount, Teaneck NJ; Norval Pagenhardt, Scotland MD; Keith D. Pugh, New Hope AL; Richard and Franklin Reese, Jersey Shore PA; Steve Russell, Tucson AZ; David A. Sinclair, Vancouver BC; E. R. Sirovoy, Westmont IL; Warren Steward, WWIB Cornell WI; Ralph Strobel, Muncie IN; Paul Swearingen, Panorama City CA; Bill Thomps on, Buffalo NY; Stephen Tuura, St. Catharines ON; Don Voegele, Stockton CA; and Baruch L. Vine, somewhere in America's hinterlands!



Bob Seybold  
Bennett Rd.  
Dunkirk, NY 14048

August 1986

DXer	Location	Total	UHF	XLTR	ES	AU	MS	VB
Bob Seybold	NY Dunkirk	980	478	110	197	6	30	70
Bill Draeb	WI Kewaunee	909	383	106	193	1	113	53
Jeff Kadet	IL Macomb	650	375	83	119	0	1	83
Bill Eckberg	IL Dixon	543	262	39	123	1	18	55
Don Ruland	WI Kenosha	539	272	39	92	0	31	71
Paul Gaines	MI Detroit	527	249	23	81	0	28	72
Jim Pizzi	NM Lovington	523	239	150	189	0	19	61
Marvin Shults	IL Toulon	492	203	27	123	0	26	77
Tom Yingling	MD Baltimore	460	228	44	185	0	12	76
Mike Lapinski	NY Jamestown	424	292	56	47	0	1	78
Fred McCormick	ND Fargo	394	81	105	113	2	1	74
" "	ND Des Lacs	373	28	31	213	0	45	64
Robert Kramer	IL Chicago	388	160	10	90	0	30	??
Mike Hollis	AL Enterprise	371	175	11	75	0	13	80
Roy Barstow	MA Teatucket	350	188	32	84	1	5	71
Dave Nieman	NY Akron	325	253	38	32	0	2	84
Nate Ely	WI Madison	315	180	33	35	0	2	??
Frank Wheeler	PA Erie	290	62	1	228	2	5	55
Fred Norquist	NY Clay	281	143	20	71	0	3	69
Richard Reese	PA Jersey Shore	262	45	0	152	0	28	79
W. R. Hepburn	ON Niagara Falls	242	84	6	84	0	0	76
" "	NT Coral Harbour	10	0	0	9	0	0	84
" "	NT Hall Beach	1	0	0	0	0	0	84
Robert Ross	ON London	242	118	6	69	0	0	76
Allan Michalek	MA Springfield	216	64	6	101	0	0	??
Mike Cunningham	WV Harrisville	195	102	3	43	0	0	83
Ron Purdue	IN Byron	193	97	34	69	0	0	81
John Combs	FL Jacksonville	166	33	9	31	0	0	??
Saul Chernos	ON Toronto	161	6	0	94	0	0	76
" "	ON Brunt River	60	23	0	12	0	0	79
Bob Schweitzer	NJ S. Brunswick	156	104	14	4	0	0	76
Steve Sprachman	NY Seaford	154	84	0	0	0	0	77
John Jefferson	CA Pleasanton	136	50	17	63	0	1	76

Some Personal Best Listed Below:

John Combs, Orlando, FL

Longest:

VHF low tropo, KGBT-4 Texas 1028 miles  
VHF hi, WRIK-7 Ponce, PR 1178 miles  
UHF tropo, KWEX-41 San Antonio, TX 1034 miles  
E-skip, KDUH-4 Scottsbluff, NE 1541 miles

Shortest:

E-skip, WWAY-3 Wilmington, NC 428 miles

Bill Eckberg, Dixon, IL

Longest:

E-skip, YSR-2 El Salvador 1940 miles  
VHF tropo, KGUL-11 Galveston, TX 915 miles  
UHF tropo, WBFF-45 Baltimore, MD 677 miles  
UHF XLTR tropo K30AE Alva, OK 596 miles  
Shortest E-skip, WMCT-5 Memphis, TN 451 miles

Frank Wheeler, Erie, PA

Longest E-skip, CBUT-2 Vancouver, BC 2117 miles

More next time,

73  
Bob

## SPECIAL REPORT

More South American DX  
from Anselmo Roccaforte  
in ARGENTINA

During a few days of the past week (July 1 to July 4) there was a big tropo opening to the north of La Plata City and over the River of La Plata and the coast of Uruguay; the MUF was as high as 600 MHz. On Thursday the 3rd I had received the following stations in the VHF-UHF band:

--- FM 88.9 MHz RADIO VENADO TUERTO, Venado Tuerto City, Provincia de Santa Fe. (250 miles from La Plata)  
(a low power station)

--- TV VHF LT-83-TV Ch. 3 ROSARIO CITY, Prov. Santa Fe. (220 miles).  
I had seen this station very often but never so good at this time, without noise and no problems of adjacent-channel from ch 2 local.

--- TV UHF Ch. 37 Repeater Ch. 7 Argentina Televisora Color (ATC).  
Gualeway, Province de Entre Rios. (160 miles)

Note: ch.37 is one of the repeater stations of the head of the network, ATC; with headquarters in Buenos Aires, they feed its repeaters by microwave and by a transponder of INTELSAT. There are few UHF channels in the country, and all are repeater stations; this is one of them, and with low power. I was very lucky to watch one of these stations.

--- VHF HAM 2 m. 147.330 MHz. REPEATER ROSARIO CITY. (160 miles)  
147.210 MHz. " " SAN NICOLAS.(180 miles)  
147.270 MHz. " " RAFAELA, Prov. Santa fe.(280 mi.)  
147.240 MHz " " PARANA. Prov. Entre Rios.(280 mi.)

Sometimes I haven't any DX news to send because we haven't so many stations as in North America. I am doing a study about television in Japan with information from their TV stations. It is interesting to know their design philosophy on equipment and their networks of repeater stations; they are very friendly and sent me much information.

Sincerely yours, su amigo;

*Anselmo*

## STATION BREAK

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

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

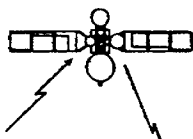
FOR SALE - Finco P-7 UHF 7' parabolic dish, good condition \$50; two Channel Master Hi-Q UHF tunable traps, 40 dB attenuation, \$55 ea., Blonder-Tongue CMA-U amp \$40, 50 foot telescoping mast (local only) \$30. Tom Holmes, 2312 Blakeford Lane, Charlotte NC 28226. (704) 364-9478.

FOR SALE - New Antennacraft P-5 5' dish, \$25. Winegard CPH-1 preamp housing, \$5. Winegard CP-4800 amp \$30. If interested write to: Yefim Mosenkis, 155-22 Jewel Ave., Apt. 7D, Flushing NY 11367.

FOR SALE - Channel Master Hi "Q" trap model 7206 (UHF band) barely used. Excellent condition, \$40 + shipping. Jeff Kadet, Box 20, Macomb IL 61455. (309) 833-1809.

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

# SATELLITE NEWS



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

## NEW ON THE AIR

FM Subcarrier - C K N M - Yellowknife, NWI. - on ANIK D XPDR 21 - gives freq. 101.9 with ERP of about 140 WATTS in Yellowknife. Programs C/W and oldies in English, Deney and other Indian/Eskimo dialects. News on the hour (Mount.) in English and dialects.

TV - CARIBBEAN SUPERSTATION - Westar 5 - XPDR 16 originates in Aruba/ Netherlands Antilles. Programs lots of old movies and TV series from the 50's and 60's and many C/W videos. Ads for hotels etc. in Aruba and other areas of the Carribean.

NUSTAR NETWORK - ASC 1 - XPDR 11 - Lots of grade B through Z movies and odd programs.

## OTHERNESS

Video - Color bars and tone with superimposed ID on SBS-1 (Ku-Band) XPDR 10 SBS 1, 2 & 4 are not supposed to have any video, but this was on the air with an IBM ID. (6-17-86 at 1PM)

## SATELLITE OF THE MONTH

RCA - SATCOM 4 83\*W Polarity - Odds Vertical/Evens Horizontal

### TRANSPONDER/SERVICES CARRIED/SUBCARRIERS

- 1 Home Shopping Club
- 2 BRAVO (Evenings) - 5.8 Multiplex Stereo  
RAI (encoded) Sunday AM's
- 3 Rock Christian Network
- 4 Nickelodeon (West Coast Feeds)
- 5 Occasional feeds
- 6 Madison Square Garden Network (occasional)
- 7 Liberty Broadcasting Network (NCN) s/c - WWBC Cocoa FL, + others
- 8 The Silent Network (Sat. AM's) for the Deaf  
People's Choice (Pay-Per-View encoded) PM only and may be bankrupt and off-air
- 9 Sportsvision (Chicago)
- 10 American Movie Classics (Evenings)  
American Wholesale Shopping Network (late afternoons)  
Amarillo Livestock Auction (occ. afternoons)
- 11 Home Sports Entertainment (Houston/Dallas) KKBU Houston  
under billboard
- 12 National Jewish Television (Sun 1-4 PM)  
Money Talks (7-8 PM)
- 13 NESN (New England Sports Net) W J I B - FM Boston under billboard
- 14 Pratico Shopping Channel
- 15 very occasional feeds
- 16 Cable Video Store (1st run films) - ENCODED Not M/A Com
- 17 very occasional feeds
- 18 Hit Video U.S.A. (stereo - 5.8/6.8)
- 19 W P I X - Ch. 11 - New York City
- 20 FNN - Financial News Network - Days  
Prime Ticket Network (Los Angeles) - Nights
- 21 The Nostalgia Channel s/c - American Broadcast Museum  
Radio Station - Texas
- 22 Home Team Sports - Baltimore/Washington - DC stations
- 23 New England Sports Channel - Nights  
Racing - Encoded
- 24 The Playboy Channel - Nights  
occasional feeds day

## SATELLITE NEWS

August 1986

The equipment here consists of the following:

12' Paraclype dish	M/A Com Videocipher 2000E Descrambler
D X receiver for Ku-Band	MTI Positioner
Drake ESR 324 for C-Band	Composite Custom Made LNA and LNB
Drake SA-24 Audio/Stereo Adaptor	MGA 19" receiver

## randums

Reception here for most satellites is quite good. East beams of Aurora on XPDR 19 and 21 are all the video available here. Satcom 3 & 4 weakish. Because of trees reception of European birds will be difficult, but this past spring when the 12' was erected before the trees went to leaf--a Russian was noted on Goroznit (8&9) with ultra-weak signal on 23 on Brazil-Sat. The Morelos is now using half-transponder channeling with the Europeans due to the heavy demand of the World Cup Soccer matches.

Let me know your finds and reception conditions. Let me know what you would want to see in this column.

'73's



**TURO WATCHERS:  
SUPPORT  
WTFDR'S  
SATELLITE NEWS  
COLUMN!  
REPORT TODAY!**

\* \* \* PUBLISHER'S NOTES \* \* \*

**NEW NORTHERN-FM DX EDITOR** DUE TO SEVERAL REASONS, NOT LEAST OF WHICH IS LACK OF AVAILABLE TIME, SAUL CHERNOS HAS ASKED US TO FIND A NEW EDITOR FOR THE NORTHERN FM SECTION, AND I'M HAPPY TO REPORT THAT WE'VE GOT ONE! THIS COLUMN WILL NOW BE EDITED BY: JOE FELA - 150 ROBERT PLACE - SOUTH PLAINFIELD, NJ 07080.

**SATELLITE NEWS** FINALLY, THE VHF-UHF DIGEST HAS A SECTION FOR THE SATELLITE TV ENTHUSIASTS AMONG US. ESTIMATES ARE THAT AS MANY AS 30% OF WTFDA MEMBERS NOW HAVE HOME SATELLITE EQUIPMENT (OR DIRECT ACCESS TO IT), AND BALTIMORE MEMBER GEORGE JENSEN HAS VOLUNTEERED TO START SATELLITE NEWS, A NEW FEATURE COLUMN DETAILING WHAT YOU'LL FIND ON THE "BIRDS."

NEEDLESS TO SAY, NOT ALL VIDEO AVAILABLE TO THE HOME SATELLITE ENTHUSIAST IS SCRAMBLED, AND THERE'S SOME STRANGE AND HIGHLY INTERESTING STUFF OUT THERE. IT'S NOT ALL VIDEO, EITHER, AS MANY UNIQUE FM SERVICES ARE ALSO THERE TO BE MONITORED. SOME PURISTS MAY OBJECT THAT THIS IS NOT "DX"--THE ARGUMENT BEING THAT THOSE SIGNALS ARE LINE-OF-SIGHT "LOCALS" (FROM 22,300 MILES!)--BUT WITH GOOD EQUIPMENT, YOU CAN WATCH AND HEAR SERVICES THAT AREN'T "SUPPOSED" TO BE TUNED IN YOUR AREA--AND THAT IDEA SOUNDS A LOT LIKE DXING TO US! PLEASE LET WTFDA HQ KNOW WHAT YOU THINK OF THIS COLUMN--IF YOU'VE COME ACROSS SOMETHING OF INTEREST ON A DOWNLINK, LET GEORGE KNOW ABOUT IT! WRITE:

GEORGE JENSEN - 4604 ANNTANA AVENUE - BALTIMORE, MD 21206

**REPRINT SERVICE** GREAT NEWS ON THIS ONE! NONE OTHER THAN TECHNICAL TOPIX EDITOR TIM MCVEY HAS COME FORTH TO RE-START A WTFDA CLUB ARTICLE REPRINT SERVICE. BE WATCHING FOR FURTHER DETAILS, AND POSSIBLY A NEW REPRINT CATALOG--WE MAY BE ABLE TO INSERT THIS INTO A FUTURE VUD EDITION. A GREAT BIG THANKS GOES TO TIM FOR THIS--IN FACT, HE HAS BEEN DOING THIS INFORMALLY FOR MEMBERS WHO HAVE ASKED HIM FOR COPIES OF ARTICLES IN THE PAST.

**ON THE COVER** IS THE SEASON REALLY THAT BAD? THE E-SKIP DROUGHT EXPERIENCED BY MANY FM AND TV DXERS MAY HAVE FINALLY EASED UP IN LATE JULY, BUT IT LOOKS LIKE IT'S TOO LATE FOR THAT POOR FELLOW ON THE COVER! THANKS TO DX ARTIST HARRY HAYES FOR ANOTHER CLASSIC V.U.D. COVER.

**CLUB PUBLICITY** I'VE BEEN MEANING TO THANK SOME VERY KIND V.U.D. READERS AND WTFDA CLUB MEMBERS FOR HELPING TO PUBLICIZE THE HOBBY AND WTFDA IN RECENT WEEKS. FIRST, MANY THANKS GO TO MARK MANUCY, EDITOR OF POPULAR COMMUNICATIONS' BROADCAST TOPIX COLUMN. MARK IS NOT A CLUB MEMBER, BUT IS ONE OF THE DXING WORLD'S MOST WIDELY-READ COLUMNISTS. HIS MENTION OF WTFDA IN THE JUNE POP'COMM RESULTED IN MANY REQUESTS FOR INFORMATION ON OUR ORGANIZATION. WE ALSO ARE VERY GRATEFUL TO FCC FM NEWS EDITOR DR. BRUCE ELVING FOR DEVOTING A CONSIDERABLE AMOUNT OF SPACE TO FM DXING AND WTFDA IN HIS NEW FM ATLAS (THE TENTH EDITION--IF YOU HAVE EVEN THE SLIGHTEST INTEREST IN THE FM BAND, YOU SHOULD HAVE ONE!) AND MENTIONING WTFDA AGAIN IN RADIO WORLD, A TRADE JOURNAL. WE'VE BEEN MENTIONED IN OTHER NEWSLETTERS AND PERIODICALS RELATING TO BROADCASTING AND DXING LATELY, AND EVEN RECEIVED PUBLICITY IN NONE OTHER THAN THE SUPERB BULLETIN OF THE ANTIQUE WIRELESS ASSOCIATION (AWA) SEVERAL MONTHS AGO! WHEN AND IF YOU ARE THE PERSON RESPONSIBLE FOR IT, LET CLUB HQ KNOW--SUCH A GESTURE IS APPRECIATED BY US ALL, AND BENEFITS YOUR HOBBY.

**SUGGESTIONS WELCOME!** AS YOUR CLUB PUBLISHER, I'M ALWAYS SEEKING IDEAS ON HOW TO IMPROVE THE VUD. ANY COMMENTS OR CRITICISMS ARE WELCOME, AND WILL BE HELD IN THE STRICTEST CONFIDENCE. PLEASE, DON'T WRITE TO ME JUST TO CRITICIZE ANOTHER DX PUBLICATION OR MAGAZINE--MY PRIMARY CONCERN IS THE VHF-UHF DIGEST. 73 & GOOD DX...

--BILL THOMPSON

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FOR REQUESTING QSLs FROM FM  
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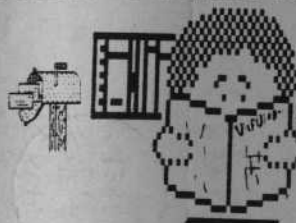
UHF TRANSLATOR-LOW POWER TV  
LIST  
A COMPLETE LISTING OF UHF  
TRANSLATORS AND LPTV STATIONS  
IN THE CONTINENTAL U.S.A. AS  
COMPILED BY TELEVISION NEWS  
EDITOR BILL FAHBER. THIS  
1985 EDITION IS AVAILABLE AT  
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\*\*\* VUD \*\*\*  
\*\*\* BACK ISSUES \*\*\*  
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	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1981	0	5	6	46	41	40	49	17	29	28	33	15
1982	23	22	3	32	28	17	21	29	25	24	42	0
1983	22	3	0	5	0	0	13	0	2	14	0	0
1984	0	2	0	0	2	8	0	0	0	14	11	21
1985	11	8	14	10	17	15	30	31	20	36	5	36
1986	15	22	13	30	31	35	30					

as of 07/15/86

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