

# From The STAFF

W.T.F.D.A. Headquarters, P.O. Box 97, Calumet City, IL 60409

**CONVENTION BIDDING...**The deadline for submitting a bid for hosting the 1983 WTFDA Convention was extended to March 15 a few months ago, to adjust to the late VUD situation. That deadline will soon be here, and as of this writing, only one bid has been made. That bid will be announced in the next issue, and will be the site of this year's club gathering if no further bids came in by March 15.

**DECEMBER VUD...**If as many people as we suspect did not receive a copy of the December issue, then only a few members actually have copies. The full extent of the problem only recently started to become clear. It probably could not have happened at a worse time--coming (or not coming) only a month after most members received their October and November VUDs together. To add to the confusion, not all members received the October and November issues together. By this time however, things are starting to get back on schedule, with the VUD now being mailed out sometime before the 10th of the month from Buffalo. If possible, we'll be getting the bulletin to you even earlier as months go by.

**ATTENTION COLUMN EDITORS...**You'll be informed of any changes in deadline. There will likely be one soon. Please continue to use the 10th of the month as your deadline for getting your copy to Editor-in-Chief Dave Nieman.

**ATTENTION MEMBERS...**Please do not use the Buffalo address for your club business, such as supply orders and dues renewals--it will cause considerable delays in processing, and aren't you a bit tired of delays by now? The address for such club business appears at the top of this page.

**HOME VIDEO BITES THE DUST...**Of some limited interest to DXers is the fact that HOME VIDEO magazine ceased publication with their February issue. HV did not frequently feature tests of equipment such as antennas, and their competitors--which do run such articles--are doing well.

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This month's cover by Dave Nieman.

## FEEDBACK

DID YOU RECEIVE  
YOUR DECEMBER V.U.D.?  
IF NOT, LET US KNOW!

WTFDA started publishing the VHF-UHF DIGEST in Buffalo with the January, 1983 issue; in that issue, we told you about the problems we had been having with the mail in Chicago, and how we hoped they'd be cleared up when the Buffalo crew took over. Little did we know what was about to happen to the December edition.

The December, 1982 issue has apparently suffered the worst foul-up in the club's history. Briefly, here's what seems to have happened. Pete Oprisko delivered the December issues to Mike Hogan late in the month, as we were making preparations to switch publishing duties to New York State. The mailing took place in early January, after processing and handling by Mike was completed.

By late in the month, it became obvious that something went wrong--many complaints were being received--and the new publishing team in Buffalo never received the mailing list needed for the January V.U.D. mailing.

Your new publisher asked Mike for one of the leftover issues and another list--which arrived with no delays. By early February, it had become quite apparent that just about all of the membership had not yet received a December issue--but there were some exceptions.

Complaints have been filed with the U.S.P.S., and it has been suggested that a bundle of mail had been "misplaced" and "may turn up"--although as of late February, it would seem that most members have never received the issue. If you are one of the lucky few who did receive a December V.U.D., congratulations.

If not, we would like to hear from you--a short postcard will do fine. If it is necessary and financially possible for the club, we'll have to print some more copies of the issue; there won't be enough leftovers from the original printing to cover everyone who has complained to us so far. So let's hear from you on this as soon as possible. If you've already written, we'll keep your complaint on file.

## Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

DECEMBER 1982

### SEASON'S GREETINGS!





ming. Cable companies in the top 100 television markets were prohibited from importing distant television signals. The FCC finally asserted its authority over cable television, acknowledging its concern for the economic health of the television broadcasting industry.

With the growth of the cable industry brought to a virtual standstill in major urban areas, objections were raised against the FCC and the issue was taken to the courts. The FCC rested its defense on the Communications Act of 1934, which authorized the FCC to regulate interstate commerce by wire and radio. On June 11, 1968, the Supreme Court ruled in favor of the FCC, stating that the FCC is responsible for the protection of local television broadcast service.

Having won its right to regulate cable TV, the FCC immediately went to work to establish a framework of rules to regulate cable television, and its proposed rules were made public in June, 1970. It was proposed that cable companies carrying distant signals black out commercials from those stations and substitute local commercials. There were also proposed restrictions on the number of distant signals that could be carried. The FCC proposed that cable companies pay a copyright fee to stations they rebroadcast, that 5% of their gross subscription fees go to a contribution to the Corporation for Public Broadcasting, that local stations have same-day protection from duplication of local programs by distant stations. Cable systems should observe local sports blackouts in the event that a distant station would carry that event. CATV systems would be permitted an unspecified number of channels for pay-TV. New systems should provide at least twenty channels, with at least one used for news, public affairs, local events, and free political broadcasts.

In June, 1971, President Nixon, concerned about cable television's possible adverse effects on broadcast television, established a committee to "develop a comprehensive policy with regard to cable." The White House assured the FCC that the purpose of the committee was not to interfere with FCC functions, policy-making, or rule-making. This committee was to deal with long-term issues such as possible common carrier status for CATV, its long-range social and economic implications, and the type of nonbroadcast services that CATV should provide.

Those in the broadcasting and cable industries welcomed the formation of this committee, noting that the White House recognized the importance of the stability of both. But FCC Chairman Dean Burch was concerned that some conflict may develop, especially after officials from the White House Office of Telecommunications Policy stated that the ultimate decision on cable policy rested with Congress. The FCC assured John A. Pastore, chairman of the Senate Communications Subcommittee, that it would consult with that committee before establishing its final rules

on cable television. On 8/5/1971, Congress was notified of the FCC's adopted rules.

On 2/3/1972, the FCC announced those rules to the public in the Cable Television Report and Order. Those rules took effect 3/31/72. Cable companies were required to carry a minimum of twenty channels, make two channels available without charge for local government and educational broadcasts, and designate one channel for a free public access channel. Cable companies also had to provide for a system to enable viewers to transmit signals back to a central office.

The issue of distant signals was also dealt with in the new rules. In the top fifty market areas, cable companies could import only those programs for which local broadcasters had not purchased exclusive rights. In the next fifty markets, exclusive film rights were limited to one year.

All TV signals being transmitted from within 35 miles of the cable system had to be carried. Noncommercial stations had to be carried by cable companies within its Grade B contour, and other stations which are "significantly viewed" also had to be carried.

In later years these rules were modified and eased. The 20-channel capacity was limited to cable systems with over 3,500 subscribers, as was the two-way capacity. Requirements for nonbroadcast channels and channels set aside for public, government, educational, and leased use, were dropped. There were three basic factors leading to the easing of the FCC rules. Court decisions often reversed FCC policies with regard to cable television. The FCC's own deregulatory tendencies questioned the necessity of some of its own rules. The passage of the 1976 Copyright Law by Congress made the FCC's rules on exclusive rights and program duplication obsolete.

When the 1972 rules for cable television went into effect, the growth of cable television in urban areas came to a halt, but only temporarily. Pay-TV was gaining ground, and cable television was once again on the increase. NAB and the commercial networks once again began campaigns against pay-TV, warning that it could siphon away most of the free programming from commercial television.

In 1975, the FCC acted with a new set of rules which made it very difficult for pay-TV systems to obtain films and certain sports events. On November 3, 1975, HBO and six multiple systems operators took the issue to the U.S. Court of Appeals for the District of Columbia. On March 25, 1977, the court voided the FCC rules on pay-TV. When the FCC appealed to the Supreme Court to reverse the Court of Appeals' decision, it was turned down.

Even today, there are still prophets of doom, trying to tell us that the day is coming when conventional television as we know it will cease to exist, that everybody will have either cable television or satellite TV. They have been predicting doom for nearly 30 years, but broadcast television is stronger than ever, and isn't about to cease.

## APPLICATIONS FOR NEW BROADCAST STATIONS

CH	ERP	HAAT	STATE/CITY/APPLICANT
7	309	592	AK; Fairbanks; Arapahoe Silent Majority, Inc.
23	140	1462	CA; Arcata; The Mad River Broadcasting Company, Inc.
28	5000	984	CA; Oroville; Golden Valley Communications
28	3981	2231	CA; Oroville; Gridley Community Television
28	1322	1601	CA; Oroville; Oroville Communications 28, Limited
28	582	1638	CA; Oroville; Oroville Telev'n.
44	5000	1581	CA; Rancho Palos Verdes; South Bay Broadcasting Company, Inc.
22	248	1151	CO; Fort Collins; Fort Collins Television, Inc.
35	1216	269	FL; Fort Walton Beach; Ro-Mar Communications, Inc.
21	216	476	GA; Brunswick; Golden East Broadcasters, Inc.
14	1288	762	GA; Rome; North Georgia Telev'n
5	100	-12	HI; Honolulu; Family Media, Inc.
30	750	595	IA; Bettendorf; Haynes Communication Company
30	1624	2100	IA; Carroll; Television Development Association of Iowa
20	1579	2036	IA; Iowa City; Television Development Association of Iowa
33	2503	243	KS; Wichita; Arapahoe Silent Majority, Inc.
66	1008	1254	MI; Flint; Flint Family Telev.
66	1000	238	MI; Flint; Stanley G. Emert, Jr.
13	309	332	MT; Lewiston; Arapahoe Silent Majority, Inc.
17	1000	2249	MT; Missoula; Owen Broadcasting Enterprises
17	2850	1159	NC; Goldsboro; Wayne Telecasters
17	1117	999	NC; Goldsboro; Friendship Broadcasting, Inc.
66	82.2	1907	NC; Forest City; Forest City Television, Inc.
34	61.8	370	TX; Beaumont; Believers Television Outreach (a religious organization applying for an educational channel assignment; see note below.)
10	313	114	TX; Del Rio; Owen Broadcasting Enterprises
18	934	438	TX; Farwell; The Best Broadcasting Company, Inc.
18	1293	682	TX; Midland; West Texas Communications
24	5000	693	UT; Ogden; Arapahoe Silent Majority, Inc.
43	2000	958	VA; Virginia Beach; Stanley G. Emert, Jr.
39	236	663	WI; Marshfield; Wisconsin Television, Limited
29	1000	113	WV; Charleston; Stanley G. Emert, Jr.

On applications for noncommercial educational stations, section 73.621(a) reads, "...noncommercial educational broadcast stations will be licensed only to nonprofit educational organizations upon a showing that the proposed stations will be used primarily to serve the educational needs of the community; for the advancement of educational programs; and to furnish a nonprofit and noncommercial television broadcast service."

## APPLICATION MODIFIED

46	1657	331	MA; Norwell; Midshore Resources, Inc. (see 11/82 column)
CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS			
54	772	871	AL; Huntsville; North Alabama Broadcasters
17	1387	520	AR; Newark; Newark Public Schools
22	19.3	1929	CA; Cotati; Rural California Broadcasting Corp. (educational)
69	3239	1844	CA; San Diego; San Diego Telev'n.
56	661	467	KY; Danville; Robert L. Bertram
11	57.3	369	MN; International Falls; John W. Boler
36	200	841	MO; Jefferson City; The FAB Foundation.

## APPLICATIONS DISMISSED

- Huntsville, AL; channel 54; C. Michael Norton
- San Diego, CA; channel 69; Christian Communications Network; Federal Broadcasters, Inc.; Interat Communications Corporation; LLMR Broadcasting, Inc.; Local Service Television, Inc.; San Diego Family Television, Inc.; Venton Corporation.
- Cotati, CA; channel 22; Black Television Workshop.
- Humacao, PR; channel 68; Samuel Lugo Perez.
- Houston, TX; channel 61; Almeida Broadcasters, Inc.

## APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

(*=stations already on the air)			
43	2298	510	CT; Bridgeport; WBCT
26	1694	837	CT; New London; CTV of Connecticut.
2	7	150	HI; Hilo; KOHA-TV
55	2115	1203	IL; Springfield; *WRSP-TV
29	747	432	LA; Lake Charles; KVHP
23	1870	1770	MO; Cape Girardeau; KBSI
61	500	564	NC; Greensboro; WLXI-TV
29	2864	1644	NC; Wilmington; WJKA
12	1397	1444	ND; Pembina; KWBA
8	316	n.c.	NE; Albion; *KONA-TV
55	5000	670	NY; Riverhead; WLIG
49	2805	1785	WA; Vancouver; KLRK-TV

## CONSTRUCTION PERMIT MODIFICATIONS GRANTED

26	1694	837	CT; New London; CTV of Conn.
54	1000	1140	GA; Columbus; WXTX
44	1314	1037	IN; Evansville; WAFV
29	731	448	LA; Lake Charles; KVHP (This is a grant of an earlier application to modify CP. The application listed above is still to be acted upon by the FCC.)
21	3349	2509	NC; Asheville; WHNS

## APPLICATIONS TO CHANGE EXISTING FACILITIES

13	316	n.c.	NE; Kearney-Hastings-Grand Island KHGI-TV
18	398	n.c.	AL; Dothan; WDMN-TV
15	1318	1180	LA; Lafayette; KADN

## CALL LETTER APPLICATIONS: NEW STATIONS

CH	C.L.	STATE/CITY/APPLICANT
22	KRCB-TV	CA; Cotati; Rural California Bc'g.
26	WLCT	CT; New London; CTV of Connecticut
53	WPAN	FL; Fort Walton Beach; Fort Walton Beach Broadcasting Corporation
11	KCHF	NM; Santa Fe; Son Broadcasting
40	WMTJ	PR; Fajardo; Ana G. Mendez Educational Foundation
16	WTRA	PR; Mayaguez; Ramon Rodriguez Nieves
18	WSJU	PR; San Juan; Three Star Telecast

CALL LETTERS ASSIGNED: NEW STATIONS

13 KATN AK; Fairbanks; The Alaska 13 Corp.  
16 KLRT AR; Little Rock; Little Rock Communications Associates

14 KTVJ CO; Boulder; Boulder Telec'g Corp.  
21 KXRM-TV CO; Colorado Springs; Light Communications, Inc.

49 KLDH KS; Topeka; Mid-America Broadcasting of Topeka, Inc.

28 WFDG MA; New Bedford; Metrovision, Inc.  
47 KKLT MN; Rochester; L.E.O. Broad'g  
10 KONY MN; Thief River Falls; Olmstead Enterprises

45 KDCG MO; Sikeston; O. L. Turner  
67 WIUW NC; High Point; High Point Community TV, Inc.

17 KDOR OK; Bartlesville; Lea County TV  
12 KDRV OR; Medford; Sunshine Television  
43 WKCH-TV TN; Knoxville; Knoxville Family TV  
39 WFTZ TN; Murfreesboro; Channel 39 of Murfreesboro, Inc.

64 WBGY-TV TN; Tullahoma; Quin-Abi Broadc'g

CALL LETTERS ASSIGNED: CHANGE EXISTING

3 KCWS CO; Glenwood Springs; KTWG  
29 WMAA-TV MS; Jackson; WMAA  
2 WMAE-TV MS; Mississippi State; WMAE  
12 WMAE-TV MS; Booneville; WMAE  
19 WMAH-TV MS; Biloxi; WMAH  
23 WMAO-TV MS; Greenwood; WMAO  
17 WMAU-TV MS; Bude; WMAU  
18 WMAV-TV MS; Oxford; WMAV  
14 WMAW-TV MS; Meridian; WMAW  
55 WINT-TV TN; Crossville; WCPT-TV

CHANGES IN CITY OF IDENTIFICATION APPLIED FOR

• KLRT-TV, channel 49, Vancouver, WA, to identify as Vancouver-Portland.  
• WKCT, channel 7, Miami, Florida, to identify as Miami-Fort Lauderdale.  
• WNDS, channel 50, Derry, New Hampshire, to identify as Nashua-Derry.

CHANGE IN CITY OF IDENTIFICATION DENIED

• WLuz-TV, channel 7, Ponce, Puerto Rico, which applied to identify as Ponce-San Juan.

CHANGES IN CITY OF IDENTIFICATION GRANTED

• WTVZ, channel 33, Norfolk, Virginia, to identify as Norfolk-Virginia Beach-Hampton-Neport News-Portsmouth-Chesapeake.  
• KTMA, channel 23, Minneapolis, Minnesota, to identify as Minneapolis-St. Paul

CHANGES IN THE TABLE OF CHANNEL ASSIGNMENTS

• Rancho Palos Verdes, CA: add 44+ (Site restriction 28.3 miles south of Rancho Palos Verdes. Mexican concurrence has been obtained.)  
• Victoria, TX: add \*47z (Petition by South Texas Educational Broadcasting Council, owner of K25AE in Victoria, which will rebroadcast KEDT, channel 16 in Corpus Christi. Petitioner originally requested channel 25, desiring a reserved assignment to avoid the possibility of competing applications by commercial translators or low power interests. STEBC does not express any interest in upgrading its facilities, as is permitted now that there is a noncommercial assignment. Channel 47 is the lowest available channel, but there are already applications for LPTV on channels 47 and 48 in nearby areas. STEBC can apply for a change to channel 47, but

that would be put into a consolidated hearing with those LPTV applicants.

NEW STATIONS ON THE AIR (PART ONE: SUPPLEMENTAL INFORMATION FOR THE PREVIOUS TWO COLUMNS)

• KOWY, channel 5, Lander, Wyoming, began on September 12, 1982. 6003' ASL. TL 3.6 miles north of Lander on Sand Hills; coordinates 42°53'41.5", 108°43'13.4".  
• KXLI-TV, channel 41; 1470' HAAT; 1499' AG; 2449' ASL. TL 3.7 miles NE of Big Lake; coordinates 45°23'10.0", 93°42'30.0".

NEW STATIONS ON THE AIR (PART TWO)

• WGGN-TV, channel 52, Sandusky, Ohio, began 12/5/1982. 136.14 kw ERP; 541' AAT; 631' AG; 1331' AG; TL at 3809 Maple Avenue, Castalia; coordinates 41°23'48", 82°47'29". Address: Christian Faith Broadcasting, Inc., 3809 Maple Avenue, Castalia, Ohio, 44824.  
• KSHO, channel 26, Honolulu, Hawaii, began 12/23/1982. ERP=99.3 kw; 2110' HAAT; 100' AG; 2540' ASL. TL Williwillinui Ridge; coordinates 21°19'49.2", 157°45'24.1. Address: Mauna Kea Broadcasting Co., 970 N. Kalaheo Avenue, Kailua, HI, 96734.  
• WFSL-TV, channel 47, Lansing, Michigan, began 12/1/1982. Original application called for channel 36; 1380 kw MAXERP, 776 kw HOR; 1090' AAT; 1134' AG; 2049' ASL; TL at Ferria Road, about 2 1/2 miles SW of Auralis; coordinates 42°29'48", 84°33'10". Construction permit also called for channel 36. Somewhere along the line 36+ was deleted from the table of assignments and 47z was added. The construction permit must have been modified to reflect that change. A recent modification (see 1/83 column) has 1350 kw MAXERP, 813 kw HOR; 1000' AAT. Not sure if this modification uses a different transmitter or not. Address: F&S Comm/News, Inc., 600 W. St. Joseph Street, Lansing, MI, 48933.

CHANGES IN TRANSMITTER STANDARDS

• WHBF-TV, channel 4, Rock Island, Illinois, effective 12/1/1982; 100kw ERP (same as before); 1342' HAAT, 1383' AG, 2049' ASL (276' higher than previous antenna); TL to Middle Road, 5 miles east of Davenport, IA (about 17 miles NNW of previous transmitter site).  
• KTVB, channel 7, Boise, Idaho, effective 11/15/1982. 195 kw Max 7 160 kw hor. visual (circular polarization); formerly 158 kw horizontal polarization. Same transmitter height and location. Don't look for any change in signal strength.  
• WUNM-TV, channel 19, Jacksonville, North Carolina, effective 11/16/1982. Power increase from 553 to 3036 kw, should show notable reception improvement. HAAT from 1880 to 1836' AG could be just a refiguring of the same actual height. My information here is sketchy. Transmitter is now 1999' AG, 2049' ASL.  
• WLRE, channel 26, Green Bay, WI, granted limited program test authorization (PTA) 1/17/1983 to change power from 250 kw to 501.27 kw, using the same tower. Still relatively weak, but look for some improvement.

SUBSCRIPTION TELEVISION

• WTVE, ch. 51, Reading, PA, granted STV authorization.  
• KDNL-TV, ch. 30, St. Louis, MO, ceased STV operation as of 2/28/1983.

CONSOLIDATED HEARINGS

• Gallup, NM; channel 3; Lea County Television; Nathan R. Berke.

CONSTRUCTION PERMIT FORFEITED

KDCD-TV, channel 18, Midland, Texas, began broadcasting on 12/9/1961, but went off the air on 2/16/1982, having operated for only two months. It went back on the air 6/8/69, but went back off 3/16/71. It came back on a third time in 1972, but again went off the air on 10/13/1971. The FCC finally took away its construction permit.

DIRECT BROADCAST SATELLITE UPDATE

Last month it was reported that NAB was thinking about taking the FCC to court because the FCC's grant of DBS licenses was supposedly in violation of the Communications Act. NAB had previously requested the FCC directly to reverse its decision to grant STC (Satellite Television Corporation) a construction permit, although there are others who were later also granted construction permits. But the FCC denied NAB's request, stating that STC would be irreparably harmed by any decision to stay its construction of two satellites until the issue could be resolved, and that NAB had not demonstrated that the stay would be in the public interest.

NAB took the issue to Washington DC's Court of Appeals, accusing the FCC of usurping the function of Congress and violating the Communications Act, which authorizes the FCC to grant local broadcasting licenses. DBS licenses are by their own nature national broadcast licenses.

SPOTLIGHT ON NEW STATIONS

Ronald Purdue has made comments about KXLI-TV, channel 41 in St. Cloud, Minnesota, along with an article about the station from a local newspaper. According to the article, KXLI-TV is geared for abnormal people. President and general manager N. Walter Goins is not normal. He prefers the old programs of the fifties to more recent programs. The station, which reflects his own tastes, will be playing syndicated programs from the fifties and sixties. (Our Miss Brooks instead of Welcome Back, Kotter; Sergeant Bilko instead of Private Benjamin. Goins is not interested in news ratings, so the only news program is at noon. He claims to have Minnesota's largest film library, and plans to limit the editing of films. Advance warning will be given before offensive films. According to the article, KXLI-TV operates at 5.5 million watts. (5 million is the maximum allowable by the FCC for UHF, and its construction permit modification calls for 2770 kilowatts, only half of what the newspaper says. The station's equipment is used and rebuilt to save money. The offices are bare except for workbenches that masquerade as desks. The station operates with a skeleton crew of 27. (With what he's probably paying them, it may really be a skeleton crew.)

Goins even helped to put up the transmitter tower. The station also plays Rocky and Bullwinkle at 11:30 p.m. Why? Because that's when Goins likes to see them! Ron adds a few more notes about the station. Many of the programs carried by KXLI-TV are also carried by the other stations in Minneapolis-St. Paul. On December 20, 1982, they showed "A Case of Rape" which is an adult-only TV movie, which Ron says is "unlike any conventional TV station in the country (Non-STV). This seems to fit in with the policy of limiting the editing of films. More on Ron Purdue's comments will be found under FORUM, which are not directly connected with KXLI-TV as a new station.

KAYU-TV, channel 28 in Spokane, was kind enough to send me some information. KAYU-TV, which signed on October 31, makes the claim that the fastest way to viewer acceptance is to program to the entire family. Feeling that there is viewer concern about extreme adult formats in network television, KAYU-TV is acquiring programs which are more appealing to the general family. KAYU-TV also acquired over 1,000 movie titles, 80% of which can be viewed by the entire family and 20% of which are adult themes and will be aired after 8:00p.m. (I think I smell another double standard coming on. I wonder if Goins had anything to do with their format. At least they have enough sense to show the Bullwinkle Show on Saturday mornings at 7:30 a.m.) Promotion director Judy Schultz writes, "KAYU-TV, channel 28 can be received on our Grade B contour up to 60 miles in radius to Spokane as of today. Within two years three-fourths of our viewers will receive us on signal extenders such as cable and translators throughout the Spokane market, which extends 500 miles. KAYU-TV is typical to other Spokane stations as far as signal reception." Some more promotional material gives its hours of operation as 6:30a.m. to 12:30 a.m. P.S.T. It also identifies Krell Hill as Tower Mountain (note my remark in the 1/82 column). Visual power is 1200 kw, which agrees with their application to modify their construction permit (1198.4 kw).

FORUM

Let me start out by explaining what happened last month. I was running way behind schedule with the column, and notified Bill Thompson that it would be a few days late. The night before it was to be in Buffalo, I finished the ninth page, and saw that I had about three more pages of material to go. So I decided to call it quits for that month.

One more thing: I am no longer working two full time jobs. Although I am still working some evenings, I am able to determine what hours I work. That means more DX, more time to reply to your letters where needed, and more time to research more information for the column. I have been poor in replying lately, but I hope to improve on that.

Back to Ron Purdue and KXLI-TV. He asks, "Is it legal to KXLI to carry the same programs as the Minneapolis-St. Paul stations?" I did some checking with an atlas and the code of federal regulations. St. Cloud is about 60 miles northwest of Minneapolis-St. Paul, and

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its transmitter is almost exactly between the two. I think this is clever: not only are the St. Cloud antennas already in the right direction, but signals can also reach the Twin Cities. It's a wonder the Twin Cities stations didn't complain about De Facto Reallocation to the FCC. But regardless of the transmitter site, the FCC looks at the community of license, and the key factor is its distance from the Twin Cities. CFR, Title 47, section 73.658(m) deals with territorial exclusivity, and states that no television station can obtain syndicated programs (or any program, for that matter) from a producer, distributor, or supplier of programming if that producer, distributor, or supplier refuses to sell those same programs to another station more than 35 miles away. The supplier is allowed to prevent any TV station within 35 miles of the Twin Cities from obtaining the same programs, but since KXLI-TV is officially about 60 miles away, the dealers of syndicated programming must either make a deal with KXLI-TV if requested, or else risk losing its contract with the Twin Cities stations.

KXLI-TV's owner, L.E.O. Broadcasting, also applied for channel 47 in Rochester, Minnesota a while back, on 8/18/81. The FCC then set a deadline of 10/7/82 for competing applications, and Sterling Communications made one on 10/6, mailed it that day, but with the post office being the way it is, the application wasn't received until 10/14, and the FCC rejected it, leaving L.E.O. as the only applicant for the channel. Sterling cried like a baby to the FCC, but it did no good. Ronald Purdue sent in an article from the Rochester Post-Bulletin stating that L.E.O. was granted a construction permit, but Walter Goins is too busy with KXLI-TV right now and doesn't know when he is going to get around to building the other station. He plans to make channel 47 a satellite of KXLI, serving only the Rochester area, with no plans for locally-originated programs. In other words, channel 47 will not be officially a low power station, but by applying for an assigned channel and meeting certain standards, he is building a low power station by beating out all those other (7,000+) low power applicants. The call letters for ch. 47 is KXLI. I wonder if that's short for K-translator.

You astronomy buffs are probably well aware that astronomers have been looking out in space for black holes. It turned out that all this time they were looking in the wrong direction. One was finally discovered under a stamp machine at the Deerfield, IL, post office. It is presently suspected that the 12/82 VUD's might have gotten sucked into it. I personally think that's where those reprints are that I ordered two years ago. Anyway, if by this time you haven't received yours yet, I will send copies of the 12/82 Television News upon request. If things don't improve, I might change the name of the column again and call the entire thing Retro-spect.

In the 10/82 column, Robert Grant asked about the incident where a Houston station was heard in England two years after it went off the air. He wrote back with more information on the incident, and I found more detail in some of Tom Yingling's old VUD's. (7/74, pages 3-4; 1/78, page 10; 2/78, page 3.) I stated that KPRC, channel 2, was the only station on at the time, and is still on the air. Actually, it was under different owners in 1950 and went by the call letters KLEE-TV. On September 14, 1953, several television viewers across the United Kingdom found that signals from their local channel E-3 (whose visual is 55.25 mhz, the same as North America's channel 2 and the same as KLEE and KPRC) were being overridden by an ID slide bearing the name KLEE-TV, thus despite the fact that British television uses different video standards than the United States. The signal continued for several days, and was even photographed. But when viewers attempted to contact the station, they found out that KLEE-TV hadn't existed for three years. KPRC-TV wasn't running the slide for several days. 1953 was bad for F2 skip, since it was a low point in the sunspot cycle. September is a bad month for E-skip, let alone double-hop E-skip. But somebody was transmitting a defunct test pattern of an American station with British standards. UFO enthusiasts were quick to come up with a solution. In 1959 Project Ozma, which was set up to detect unusual signals from space, called it a hoax by a mad scientist, who was never identified. According to Robert Goodman in a letter in the 2/78 VUD, it had someone to do with an invention called a light cell, used to bring foreign television to the United Kingdom. Part of it involved a projector with slides of old call letters. I'd like to find out more about this.

Other news from Robert Grant: WLEB, channel 30 in Meridian, MS, is now on the air, and is an NBC affiliate. This would leave the future affiliation of WOK, channel 11, in question. WFSL-TV, ch. 47 in Lansing, is on the air. CBLFT-8, ch. 76 in Kitchener, Ont., is now on ch. 61. CBEFT, ch. 78 in Windsor, is now on ch. 54 with power reduced to 60.2 kw visual. But Robert says it's coming in better now. The station told Robert they were using 38.4 kw aural, which is over 60% of its visual. CBEFT receives SRC directly from the ANIK satellite, so it doesn't turn into a phantom translator as do CBLFT repeaters. Correcting his report in the 10/82 VUD, ch. 9 in Wausau is WAOW, not WAEO. WJKW, ch. 8 in Cleveland, OH, is using teletext. Canadian stations CBEFT, CBET, and GIGO are using Telidon. The telidon signals on GIGO cover more lines than the other stations and start nearly after the vertical sync pulse lines. WKON, ch. 20 in Detroit, is trying to break from its contract to broadcast ON-TV for fifty years. Robert says that if it succeeds, perhaps WDIV, ch. 4, will think twice about pre-empting NBC programs at the risk of NBC going to WKON.

John Ebeling suggested that I list the state before the city when listing the engineering data and applications section. As you

can tell by last month's column, I got his card shortly after beginning that portion of the column. Previous editors have been doing that, but also putting the states in alphabetical order, which I thought at the time I became editor wasn't worth the effort. Actually, I could have dropped the idea of alphabetical order without changing the format. This month I did make the effort of putting the states in alphabetical order, but I won't guarantee that every month. As for putting the month before the city, it does help in scanning more easily. John also reports low power station K26AC in Bemidji, MN on the air, announcing itself as having 14.5 kw power. K18AI is also on the air (Grand Rapids-Hibbing), seen on 12/5/82 going on the air at noon, followed by one hour of unscrambled signal, then went to scrambled mode, apparently the same system as KTMA, channel 23 in Minneapolis.

One more comment about last month's rush job. The Canadian information was from Walter Patton. It seems I keep on printing the information he sends and keep forgetting to mention his name with it. I tried to incorporate it with the FCC information, as you probably noticed.

Robert Goodman, who has done a lot of research on Cable Television, corrected me on one point in my first DBS report: I mentioned that cable television was a form of common carrier. It isn't.

John M. Lentz of Hales Corner, WI, wrote about WVCY-TV, channel 30 in Milwaukee, WI. It went on the air 1/11/83 at 6:00 p.m. There was no advance publicity announcing when they were going on the air, except for WVCY-FM, just before 6:00 p.m. According to the Milwaukee Journal, WVCY-TV has 1200 kw ERP, 980' HAAT on the WCGV-TV tower located on Humboldt Boulevard, near Capitol Drive. Their studios are 2712 W. Vliet Street and 12666 W. Beloit Road, about ten miles apart. An update on WCGV-TV, channel 24 in Milwaukee: it was forced off the air 11/9/82 as a result of a transmitter blowout. It came back on the air 11/18. It looked as though they also had to work on the antenna system also. Beginning in February, 1983, WCIU-TV (ch. 26 in Chicago) will begin broadcasting on a translator on channel 55 in Milwaukee. (W55AS, with 8.42 kw ERP. -wbf) John wonders if this could affect an applicant for channel 55 in Kenosha. (As far as the FCC is concerned, when it comes to broadcast stations getting construction permits, translators do not exist. They are operating on a borrowed channel and on borrowed time.) The three Milwaukee network stations (WTMJ-TV, ch. 4; WITI-TV, ch. 6; and WISN-TV, ch. 12.) are now operating 24 hours as of 7/5/82.

Eric Fader sent in an article from the 12/19/82 New York Times on Life Broadcasting, Inc., which received a construction permit for channel 55 in Riverhead, NY. They hope to be on the air by early 1984. The station, with call letters WLIC, will include locally produced family entertainment, some syndicated programs, and an emphasis on local news

and sports. Life Broadcasting is a nonprofit religious organization, and, although not formally linked with the Roman Catholic diocese of Rockville Centre, will consider airing some programs from that diocese. Life Broadcasting is affiliated with Rainbow Satellite, Inc. of California, which has leased three transponders on a satellite due for launching next year, and suggests that Life Broadcasting may be able to broadcast its signals throughout the United States in the future.

Steve Sprachman sent an article on WOR-TV, channel 9, which managed to save its broadcast license by moving to New Jersey. According to the article, the FCC authorized its studio relocation to New Jersey. The news has it that the studio will be in Secaucus. It will still carry New York sports programs. It will be transmitted from New York as it already is. The station will continue to operate from its New York City location for some time yet, until the Secaucus studios can be built and furnished. So what changes can we expect? More sports programs from New Jersey, more New Jersey news, and more New Jersey public affairs programs.

Fred McCormack sent in a clipping from the 1/19/83 Fargo Forum. ABC will be ending its ties with KTHE, channel 11 in Fargo, ND, and going to WDAY, channel 6 in Fargo and WDAZ, channel 8 in Devil's Lake, effective sometime this summer. WDAY and WDAZ are presently NBC affiliates. The manager of KTHI said nothing about NBC as a possible affiliate. The station is still looking at alternatives.

Cliff Rames sent in an article from the 12/16/82 Miami Herald, updating the status of WDZL, channel 39, the station that had the transmitter mishap days before it was scheduled to go on the air. Financially, the station is still in good shape while operating on a 250 kw transmitter temporarily. They hope to have a new 5,000 kw transmitter and antenna operating by February 1. The temporarily used weaker antenna had cut the station's projected coverage area by as much as 50%.

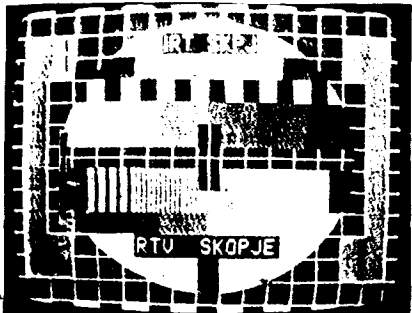
Tom Yingling reports that KA2XEH, the satellite-fed spanish translator operating on channel 56 in Washington, DC, is now on channel 14, replacing the educational translator on that channel. The owners of KA2XEH bought out that station several months ago.

One personal note. I observed WBRE-TV, channel 28 in Wilkes-Barre, PA one night. They apparently stay on all night broadcasting digital time, job openings, program schedules, advertisements, and weather on the video, and piped music on the audio.

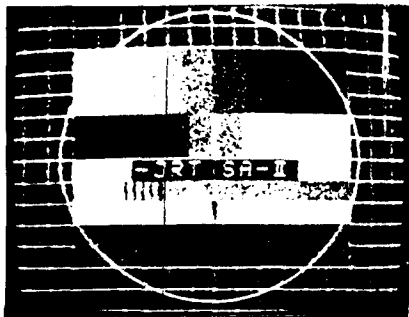
One late news report: the 1/27/83 Federal Register contained the FCC's announcement about changing its rules to allow land-mobile radio to share the UHF television spectrum. The FR did not contain the text of the FCC proposal, which I'm expecting to receive directly from the FCC any day now. If I was unable to get into this month's VUD before the deadline for printing, it will be in next month's column.

Mike Reid  
109 Arjay Cres.  
North York, Ont. M2L 1G6  
CANADA

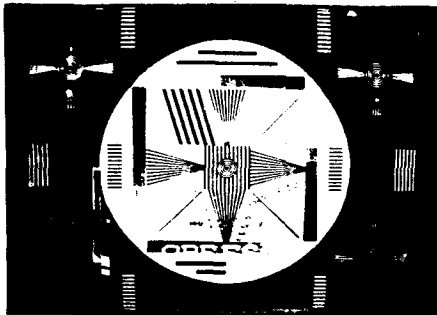
This month we have some DX photos from Jim Pizzi of Lovington, NM and more European TP's from Kocsis Ferenc of Hungary.



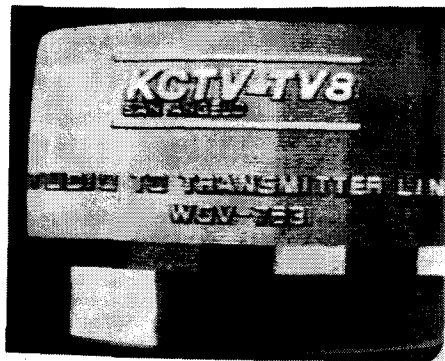
JRT, Skopje, YUGOSLAVIA



JRT-2 Sarajevo, YUGOSLAVIA



ORF-2 AUSTRIA



KCTV-8 San Angelo, TX  
196 mi. Troops Feb. 19/82



KLKK-23 Albuquerque, NM  
240 mi. Troops

Note: One policy of this column is that all photos submitted become the property of the club unless the contributor specifies otherwise. Return postage should be included.

When I took over this column, I inherited a large batch of photos from Jim Alexander. If anyone who sent in photos wants them back, let me know. In particular, many from Jim Pizzi (CA) and Paul Petosky (CBC pix). Paul Gaines- I've found all the ones you mentioned except for WCIV-4.

73's Mike

# EASTERN TV-DX

William J. Draeb  
Ellis St. R.R.#2  
Kewaunee, WI  
54216

March 1983

Deadline: 1st

Steve Sprachman; 3919 Eve Drive, Seaford, NY 11783

This Month's report will continue the story of the ch. 59 mystery. In my last report I mentioned how I got something on ch.59 showing part of a program called "Soho Flat" over and over again without seeing an I.D. I saw this several more times. Then on Jan. 12th, I saw a test pattern with a 59 in the middle. Still no I.D. No call letters were on the test pattern. No voice I.D.'s. I don't want to say that this is WTUV-59, New Haven, CT. Has anyone seen an I.D. for WTUV-59? Without seeing an I.D., there is one other possibility. It may be a translator licensed for Plainville, NY. It is a strange way to test and is it legal not to I.D.? I hope to have this mystery solved by my next report.

Did you like the picture of my nose in the Oct. VUD?

I hope 1983 brings the best DX yet but there hasn't been much here, lately.

Cliff Rames; 5724 Grant St., Hollywood, FL 33021 (305)-962-0465 EDT-EST  
Equipment: Sears #4218 19" color; Winegard KU-420 4 bay UHF at 20' with 50' of Jerrold CAC 11 coax; Radio Shack 6 element VHF at 16' with 50' R.S. RG-59 foam coax; rabbit ears for Es. (All but ears face NNW).

This is my first DX report. It's difficult for me to get Es and VHF Tr because within 4 mi. of me are WPBT-2, WTUV-4, WCKT-7, and WPLG-10 (and some members up north complain about WPBT when they DX Es!) Also, within 40 miles are WPTV-5, WGIX-6 and WPEC-12. My best bet for Es, ch.3, has to have a strong signal in, in order to overcome the interference from upper and lower adjacent channels. Because of this I can count my Es I.D.'s on one finger (see 7-25-82 log). Maybe one day I'll break down and buy a single channel band pass filter for ch.3 to better my chances.

The UHF situation is getting rough, too. Since WZLZ-39, WFLX-29 and WHRS-42 recently came on (after having 5 UHF locals within 4 miles already I was forced to remove my Rayson Performer II preamp because what was bad overloading became intolerable. Incidentally, I think that the increased congestion of the bands promised by LPTV will be a disaster for the TV DXer.

A few notes about the super Tr opening of 1-16-83. With most local VHF's off, I was looking around the low band for new I.D.'s but without success. After WTUV-4's carrier came on I scanned thru the UHF band and was surprised to see ch.31 occupied, since there are no stations in the state of FL operating on that channel as far as I know. At the top of the hour the station gave I.D.- and I logged my first out of state UHF! (Not a big deal for most DXers, I guess, but from here the nearest state line is well over 300 mi. away.) A little later I nailed WLTZ-38 at 530 miles. I couldn't believe it! My previous UHF record (in about 1 year of TV-DX) was just a little over 300 miles - to the Jacksonville U's. After that I didn't see anything else unusual except that WINK-11 was in for the first time while local WPLG-10 was on. I took a nap for two hours, then checked the TV and was astonished because it seemed like almost every UHF channel had something on. WTSG-31 was still in, now snow free. In the time it took me to phone my friend Karl, tell him about the Tropo, and get back to my TV, conditions had already started to deteriorate and many channels occupied only minutes before were now empty. That's what I get for taking a nap - I can only wonder what I missed while sleeping. I was able to log a few more Georgia stations and a new Florida city, Tallahassee, before it all fizzled out around 11:30.

July 1982	July 1982	August 1982
2 Tr 0715 WAWS-30 FL 310 Jacksonville	8 GW 1825 WFLX-29 FL 45 W. Palm Beach (new local)	1 Es 1118 KOET-3 OK t Unids to ch.5
3 Tr 0940 WXA0-47 FL t	25 Es 1227-1345 Unids-3	6 Es 1907-1935 Unided-3
0945 WJKS-17 FL t		
7 Tr 0700 WMOD-43 FL 145 Melbourne	1356 WFSB-3 CT 1170 Hartford (first Es I.D.)	3 Tr 0702 WFLG-52 FL 160 Cocoa
2000 " " "		
2005 Unided-29	31 Es 1106-1312 Unideds	22 Tr P.M. Tampa U's; good
GW 2010 WHRS-42 FL 30 (local) Boynton Beach		25 Tr P.M. All U's within 200mi.; local quality

# WESTERN TV-DX

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

## Eastern TV-DX

### October 1982

16 Tr 1900 WDLZ-39 FL 4  
(new local) Miami

### November 1982

14 Tr 2242 WTVT-13 FL 171  
Tampa-St. Petersburg

2247 WCPX-6 FL t  
(was WDEB)

2253 WUSF-16 FL 181  
17 Tr 1950 cci on WBHH-20

22 Tr 2040 WCJB-20 FL 290  
Gainesville

2330 WINK-11 FL 219  
(rare)

23 Tr 0005 Unided-55; WIYE?? Ma  
0027 WJKS-17 FL 310  
Jacksonville

24 Tr 0355 WFLA-8 FL 173  
Tampa-St. Pete

0400 WESH-2 FL 193  
0410 WINK-11 FL 113

0411 WTVT-13 FL 171  
0412 WFTV-29 FL 189

30 Tr 2200 WCJB-20 FL 290  
WBHH-20 FL very

poor. WEVU-26 nil (only 100mi.)  
All other usuals like WCLF-22, 0812 WINK-11 FL 113

WMFE-24, WFTS-28, WOFL-35, WTOG  
-44, WTGL-52 much worse than you  
would suspect with WCJB in.

WMOB-43 and WXLN-40 in better  
than usual but fading.

## Rames; continued

### December 1982

5 Tr 0911 WUSF-16 FL 181  
0916 WCJB-20 FL 290

21 Tr 0725 WJKS-17 FL 310  
1800 WCJB-20 FL 290

26 Tr 0930 " " "  
28 Tr 0725 WJKS-17 FL 310

### January 1983

3 Tr 0355 WFLA-8 FL 173  
7 Tr 0237 WESH-2 FL 193

16 Ms 0315 Unided ch.3  
Tr 0318 WINK-11 FL 219

0338 Unided ch.4  
Tr 0634 " " "

3/4 c.b. t.p. vy weak.  
Tr 0659 WTSQ-31 Ga 431

Albany  
0730 strong cci over  
WBHH-20

0734 WTSQ still in  
0735 WLTZ-38 Ga 530

Columbus  
(in next to super  
local WDLZ-39)

0812 WINK-11 FL 113  
(booming in next  
to local WPLG)

0813 WTVT-13 FL 171 17 Tr  
(in the best I've  
ever seen)

## March 1983

### January 1983

16 0815 took a nap.  
Tr 1017 WDCO-15 GA t

WUSF-16 FL  
(snow free with cci)  
1018 WJKS-17 FL 310

(snow free)  
1020 WAWS-30 FL "  
1021 WOFL-35 FL 190

(snow free; rare)  
1034 WACS-25 GA t  
1035 WFTS, WAWS,

WXLN, WMOD, WTOG  
all snow free.  
1042 WXAQ-47 FL 310

Jacksonville  
1043 WDCO-15 GA t  
WABW-14 GA t

parallel with  
ch.25.  
1045 WECA-27 FL 400

Tallahassee  
1055 WTSQ-31 still  
in strong.

1057 WVGA-44 GA t  
1100 WACS-25 GA 450

Dawson  
WABW-14 GA 410  
Pelham

1130 everything gone  
0610 most south &  
central FL V's&U's

extra strong.  
0817 WIYE-55 FL t  
(is this one on?)

## REPORT FROM THE CARIBBEAN

(continued from page 25)

(TV ch 2 & 12) pgms

105.7 30 1850 PR After hard rock in EG, Pizza Hut ad in SP, plug Roots of  
Rock, Wed. at 9 pm with Blood, Sweat & Tears; ID as Alfa-Rock  
106. 1900, ID as "Alfa, WCAV-FM, San Juan" so no longer  
listed WKVM-FM; "Esta es la Rockera" (Roquera?)

106.1 24 1113 VI ads in EG for Radio Shack, Sunshine Supermarket, Postal  
Service mail early jingle; Peter Cellars; stockbroker giving  
drug abuse PSA. 26 0301 s/off WVIS & STL WRE-47, & philo-  
sophical "What is a Radio Station" piece, ID, no NA, off  
quickly. Again 30 0258: "106-WVIS, the VI's most listened  
to stereo stn", DJ named The Far East Man tho sounds like a  
Crucian

107.7 30 1845 PR Intermittent sig. power problems at WOLA Carolina?

## March 1983

c/o Bill Thompson  
1907 Seneca Street  
Buffalo, NY 14210

# STATION BREAK

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

FOR SALE - BTX-11A UHF converter (from CADCO) \$20.00; RMS UHF converter  
with pre-amp stage, local-dist. switch, linear dial--brand new \$25.00.  
Jim Pizzi, P.O. Box 1778, Lovington, NM 88260

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.

## March 1983

Highlight this month is a super tropo opening on January 5 with Oklahoma and tentatively Dallas seen by Bill Draeb in Wisconsin. Also some interesting observations from Jim Pizza on the performance of a new UHF pre-amp.

I gathered a little information on the station on channel 48 which Ron Purdue reported last month with satellite programming. It was K48AA at St. James, MN and they are now broadcasting SPN, the Satellite Programming Network. This station was formerly a translator of KSTP-5, but when KSTP built their own 1 kw translator at St. James, it became a redundant operation, and the operators got LPTV authority from the FCC.

Incidentally, translators are apparently able to become LPTV operations and originate programming with the only requirement being notification to the FCC of their intent. So, even though I watch the FCC reports on a weekly basis, it may be a long time before a switch like that of K48AA is reported.

I wonder if the ease with which translator operators can now become programming originators might explain some of the mysterious loggings by Jim Pizzi in New Mexico. WGN-9's signal may be available to translators and LPTV stations. Maybe some translators in Texas have become LPTV stations?

New \_\_\_\_\_ New Mode \_\_\_\_\_ Tentative - t Unidentified - unid

William Draeb, Ellis St., Kewaunee, Wisconsin 54216

The new year got off to a nice start with some tropo activity all the way into Texas on the 5th of January, but unfortunately, no positive ID's.

December 1982	January 1983	February 1983	March 1983
26 tr 2149 WPGH 53 PA 480 WPTT 22 PA 480 2153 WPCB 40 PA 480 WYTV 33 PA 420 2156 WFSJ 51 OH 395	2 tr 1925 WTVQ 36 KY 473 WKLE 46 KY 473 WCET 48 OH 400 1938 WKSO 29 KY 538 1946 WKHA 35 KY 551 4 tr 1820 KNLC 24 MO 432 KDNL 30 MO 432 5 tr 1834 KNLC 24 MO 432 (over WCGV) KDNL 30 MO 432 1836 KOZK 21 MO 589 KCBJ 17 MO 450 1947 KMTC 27 MO 589 KTVP 29 AR 683 KOKI 23 OK 725 1951 KGCT 41 OK 725	5 tr 1951 KXTX 39 TX 957 (Heavy 0 kHz CCI to WQRF, but unable to get enough info to identify.) 2007 WUSI 16 IL 402 2017 KNBt 33 TX 957 (Weaker than 39, but didn't get enough program info to ID.) 2132 KMLT 35 TX 2144 KHIN 36 IA 457 KHNE 29 NE 617 KAUT 43 OK 820 6 tr 0620 WTVQ 36 KY 473 WDRB 41 KY 437 0644 WKYT 27 KY 473 0658 WKLE 46 KY 473 WCET 48 OH 400 9 tr 0815 WTVQ 36 KY 473 WKYT 27 KY 473 0829 WKLE 46 KY 473	9 tr 1645 WXIX 19 KY 400 WCET 48 OH 400 au 2135 unids on ch 2, 3 (CBS delayed one hour on 3. Also a CTV station on 3. Both from mw) 12 tr 1835 WVCY 30 WI 100 (Milwaukee-rel.) 2037 WTVQ 36 KY 473 WKLE 46 KY 473 13 tr 1904 KNLC 24 MO 432 KDNL 30 MO 432 WTVQ 36 KY 473 WKLE 46 KY 473 WKYT 27 KY 473 WKSO 29 KY 538 WKHA 35 KY 551 18 tr 1820 KDNL 30 MO 432 19 tr 1820 KDNL 30 MO 432 2040 KTCI 17 MN 280 (Rare - also chs 23, 29, and 41.) 26 tr 1940 WTVQ 36 KY 473 WKLE 46 KY 473

The DX on January 5th from Dallas faded out between 2130 and 2200. If WQRF wasn't on, I surely would have been able to ID KXTX, but that's the way the cookie crumbles! Hi! On channel 33, at approximately 2045, I saw a man dressed in a suit and tie. He was talking about something, but the signal was so weak the audio wasn't coming through. It wasn't a commercial I saw as it was in for quite a while. Maybe next time, hi! Bill (Very nice loggings as usual, Bill. It sure was too bad that you couldn't catch an ID on those Texas tentatives. I missed that opening if it came this way at all. fm)

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

Here's the latest, such as it is. No signs of E-skip since August, and ms tends to be discouraging when channels 2-6 are all blocked except late at night when everyone's

John M. Jefferson (continued) off anyway. Had a good tropo opening on 1-3-83, coinciding with the Quadrantids, with the Bakersfield U's, 23 and 29, in almost snow-free (some days there's nothing at all), and Los Angeles in well on FM, but too weak on UHF to ID. The one catch was K39AB, Bakersfield, with a Fresno ad at 1950. (It translates KFTV, Hanford, with the SIN network.) It's on Breckenridge Mountain with KERO-23 and KBAK-29, apparently. (KPWR-17, in spite of its 5 Meg, was not good at all, so doubtful K39AB is co-sited with it!) The site is at about 6500' asl, 3600' aat, if memory serves, so its 1 kw should cover a sizable area. Log total stands at 120 for the bay area, 117 here in Pleasanton. (Castro Valley, where my parents live, 39 and holding - just like Jack Benny.) John (Thanks for the report, John. DX will return! fm)

Jim Pizzi, P.O. Box 1778, Lovington, NM 88260 (505)396-3432 MST

December 1982 15 Es 2130 XHY 3 MX 1200  
 5 tr 0700 K77BL 77 TX 141 (Snyder KCBQ-11)  
 0730 K67CS 67 NM 75 (Portales KVII-7)

9 & 10 - Ice storm - 1 1/2 in. of ice on everything. Lost a couple of elements on Antenna craft FM antenna. Bent a few elements on other antennas. No power at QTH for six days.

KTXH-20 off air. Their new tower fell (over 1800') when hoisting xmitting antenna up the side. Cable snapped and antenna sliced through guy cables. 5 men dead. A local person was video taping event when it happened. Made my skin crawl to see that tower collapse and see those men die.

January 1983 3 tr 1700 D-FW 21,27,39 Austin 24,36 377 ms 1708 unid ch 13 ne (0 kHz-KLBK, 1 second)  
 tr 1905 KTBO 14 OK  
 6 tr 0830 Austin 24,36 377  
 11 tr 2037 unid ch 32 ese (0 kHz - KTAB. Is WLAE, New Orleans on?)

15 Es 1802 unids ch 2-6  
 1829 unid ch 2 MX TRM  
 1829 XHAO 4 MX 1260 (Communist program, sponsored by Socialist Party)  
 1900 WEDU 3 FL 1300  
 1930 WTVJ 4 FL 1508  
 1933 WCIX t 6 FL  
 1935 WPBT t 2 FL  
 1945 unid ch 3 Mexico  
 2021 unid ch 2 Mexico (not XEW or TRM)  
 2103 XHAO t 4 MX TRM

(Sounds like you will be ready for UHF tropo when it comes. fm)

Fred McCormack, 135 Prairiewood Drive, Fargo, ND 58103 CST

No new DX noted this time. I did, however, see KVNJ-15, Fargo testing the evening of 1-26 at 1945. They were putting in a sufficiently strong signal, but multi-path was a serious problem.

I have been amazed by the system they are building. It is one thing to have relatively low power (2.3 kw erp), but to radiate that signal from a 120' tower surrounded by tall buildings seems incredible to me.

I don't know anything about what programming they will be carrying.



Fred Nordquist  
 7945 Boxford Road  
 Clay, NY 13041

March 1983

Deadline: the 5th

FM SCOREBOARD

DXer, Location	Rank	Total	88-92	Es	MS	Au	USA	CN	MX	PO	TPU	YB	As of :	
Andy Bolin, Charleston IL	1	2059	331	799	103	286	45+	7	5	3	61	61	9/4/81*	
Pat Dyer, San Antonio TX	2	1518	204	1239	23	0	41+	3	7	3	54	70	1/1/82	
Bruce Elving, Duluth MN	3	1473	130	685	8	7	44+	3	1	0	49	48	11/13/81*	
Danny Buntin, Stillwater OK	4	1441	202	818	3	0	48+	5	9	0	63	74	8/2/82	
John Ebeling, Bloomington MN	5	1388	210	788	38	78	47+	4	5	0	57	52	1/1/83	
Fred Nordquist, Clay NY	6	1164	176	553	27	52	39+	5	0	2	47	69	2/10/83	
Mike Bugaj, Enfield CT	7	1159	140	629	7	21	37+	3	0	1	42	74	12/14/82	
Ralph Strobel, Muncie IN	8	1136	304	160	30	4	38+	3	1	0	43	72	2/3/83	
Peter Sawatzky, Guelph ON	9	1088	167	500	112	6	38+	7	0	1	47	71	12/22/82	
Fred Mc Cormack, Des Lacs ND	10	1069	137	801	25	78	44+	6	4	-	65	65	11/1/82	
Bob Seybold, Dunkirk NY	11	1011	149	510	0	0	40	6	2	-	48	50	8/8/82	
Joseph Fela, So. Plainfield NJ	12	962	190	467	2	9	37+	5	0	3	46	68	7/13/82	
Tim McVey, Bolivar TN	13	948	138	309	-	-	41	5	7	1	54	77	7/1/82	
David Nieman, Akron NY	14	816	209	173	25	17	39+	6	0	2	48	59	1/1/83	
Hank Holbrook, Chevy Chase MD	15	769V	179	207	12	0	35+	5	0	3	44	59	6/12/82	
Saul Chernos, Burnt River ON	16	767	113	413	48	68	37+	6	0	0	44	77	12/31/82	
Fred McCormack, Fargo ND	17	736	84	467	3	47	46+	4	2	2	55	74	11/1/82	
Vernon Eaton, Benton AR	18	724	148	173	1	3	42	5	8	0	55	77	8/30/81*	
Dave Brumfield, Muncie IN	19	658	141	43	1	0	28	1	0	0	29	78	11/30/81*	
John Jefferson, Pleasanton CA	20	649	134	349	90	-	23	4	4	0	31	57	8/24/82	
Richard Steinberger, Hudson MA	21	607	130	266	12	6	34+	4	0	0	39	--	6/25/82	
Joseph Smith, Johnson City NY	22	602	79	164	0	0	34+	2	0	1	38	71	6/15/82	
Daniel Oetting, Brownell PA	23	517	117	181	0	1	30+	5	0	0	36	77	8/25/82	
John Ebeling, Prosit MN	24	513	86	241	2	5	40+	7	0	0	48	75	1/1/83	
Richard Wood, C. Girardeau MO	25	491	84	160	1	0	41	4	4	0	49	79	7/10/81*	
Jim Ayers, Murfreesboro TN	26	448	73	18	1	0	27	1	1	0	29	81	2/12/82	
Pat Durkin, West Allis WI	27	418	86	70	0	0	31+	3	0	0	35	78	7/31/81*	
Alan Michalek, Springfield MA	28	402	47	200	0	0	36	4	0	0	40	52	7/25/82	
Ken Simon, Lake Worth FL	29	380	119	301	0	0	31+	2	1	4	39	66	9/1/81*	
David O'Dell, Little Rock AR	30	367	39	112	0	0	40+	4	1	0	46	80	9/2/82	
Mike Hogan, Burnham IL	31	301	56	28	0	0	24	1	0	0	25	76	10/12/82	
David Haecall, Fortville IN	32	297	56	59	1	0	26	4	0	0	30	76	1/5/83	
Bob Sweitzer, E. Brunswick NJ	33	230	71	7	0	0	10+	0	0	0	11	77	10/16/82	
Robert Ross, London ON	34	204	43	19	0	0	14	1	0	0	15	76	2/1/83	
Frank Wheeler, Erie PA	35	145	16	3	0	0	7	1	0	0	8	64	10/30/81*	
Ken Onyschuk, Park Forest IL	36	133	22	-	-	-	7	0	0	0	7	68	11/30/81*	
William Hepburn, Niagara Falls NY	37	126	45	33	0	0	18+	1	0	0	20	79	5/1/82	
William Hepburn, Cornwall ON	38	111	17	15	0	0	14	2	0	0	16	82	7/12/82	
Pat Durkin, St. Paul MN	39	100	11	0	0	0	5	0	0	0	5	81	7/31/81*	
Ronald Purdue, Bryon MN	40	73	0	30	0	0	13	0	0	1	0	14	81	12/21/82

Notes: V=Verified. \* The drop vs. update deadline was extended to 6/5/83 to account for the delays in last year's VUD mailings. Send in your updates now. Column definitions may be found in the OCT 82 VUD on page14. 73-Fred

Keep it on...

KJON 92.1 FM Stereo

BOONEVILLE BROADCASTING COMPANY  
 23 West Main Street • P.O. Box 185  
 Booneville, Arkansas 72927



4665 W. BANCROFT STREET TOLEDO, OHIO 43615  
 TELEPHONE 419 531-1681 50,000 WAITS  
 A DIVISION OF HILLEBRAND COMMUNICATIONS

P.O. BOX 479  
 CHAMBERSBURG, PA 17201



# QSL CORNER

Thomas J. Yingling, jr.  
221 Pinewood Road  
Baltimore, MD 21222

FM-QSL's

- MB CITI 92.1 Winnipeg, Polo Park, R3G OL7. Letter & bumper-sticker in 1 week from George Buzunis, CE. Nieman
- AR KJON 92.1 Booneville, 23 W. Main St., P. O. Box 185, 72927. Nice letter from Joni Massey, GM in 5 days. Nieman
- CT WQGN 101.5 Groton, 1064 Poquonnock Rd., 06340. Letter from Peter J. Talbot, NRC radio club member, send bumper-sticker & coverage-map in 1 week. Mount
- KS KJCK 94.5 Junction City, West Ash at US hwy 77, 66441. Letter from David M. Wise CE & Opns. Dir. also send bumper-sticker. Jefferson
- WIBW 97.3 Topeka, Box 119, 66601. QSL Card for the FM specifically, including station info & coverage-maps. no signer. Jefferson
- LA WBRH 90.3 Baton Rouge, 2825 Govt. St., 70806. Hand written letter in 9 days from CE, no name given. Nieman
- KDKS 92.1 Shreveport, Box 1371, 71163./2800 Jewella Ave, Suite C, 71109. Letter in 38 days from Debora Dupye, Sales Secretary, also got 3 bumper-stickers & rate card/coverage-map. My first Louisiana FM qsl! George
- KWEZ 104.1 Monroe, P. O. Box 4808 Sterlington Rd., 71203. typed file card in 43 days signed by Chuck Halley, PD. Also send coverage-maps, rate card bumper-stickers for fm & am side-KMLR. George
- MD WQSR 105.7 Baltimore, 5200 Moravia Rd, 21206. Letter from Scott Brenner, CE in 2 weeks. Holbrook
- WRNV 90.3 Annapolis, U.S. Naval Academy, 21412. Letter from John Lovering, Mgr. in 8 days. Now 100 watts from 10 watts, on 89.7mhz. Holbrook
- WKHI 99.9 Ocean City, Box 758, 21842. Form letter in 2 weeks from Wayne Powell, PD. Mount
- MI WLDR 101.5 Traverse City, Broadcast Center, 49684. Letter in 9 months! after a follow-up report from Don Wiitala, GM. Chernos
- MN WLOL 99.5 St. Paul, 1370 Davern St., 55116. Letter with lots of station info, from David Helleman, CE Jefferson
- KDHL 95.9 Faribault. AM Card with FM info hand-written in, signed by J. E. Hyde, CE Jefferson
- MO KAOL 101.1 Carrollton, P. O. Box 279, 64633. Letter, bumper-stickers in 7 days signed by Dave Beasing, FM Mgr. Nieman
- NC WWMO 102.1 Reidsville, P. O. Box 1050, 27320. Send back my prepared veriecard, after 1 follow-up report. Signed by David L. Salizen, GM. Holbrook
- NE KXNP 103.5 North Platte, 310 E. 4th St., Box 1231, 69101. Letter from Neil Nelkin, Pres. & GM. Send bumper-stickers & coverage-map. Made reference to skip, so must know about DX'ing. Jefferson
- NY W288AL 105.5 Brocton, Chautauqua-Cattaraugus Library System, 106 W. 5th St, Jamestown, 14701. Letter from Patricia White, Asst. Dir. in 5 days. Nieman
- ND KCND 90.5 Bismarck, 1814 N. 15th St., 58501. Letter & station guide from Edith Kjos, Station Mgr in 1 week. Nieman
- OK KJIL 94.1 Bethany. I wrote when John Zondlo was there, wrote a verification:address is 2809 N. MacArthur, Oklahoma City, OK 73127. Elving
- KCMA 106.1 Owasso, 9911 E. 106 St., North Owasso, OK 74055. Letter from Dr. John K. Major, General Mgr. "We were delighted to learn that you picked us up & that you enjoyed our [classical] programming." mentioned getting a skip report from Inglewood, CA. Holbrook
- VA WRVO 94.5 Richmond, P. O. Box 1394, 23211. Short letter from Bill Thomas, PD. My first "Auroral" verie & new state qsl'ed. Reply in 13 days. Chernos
- WLTY 95.7 Norfolk, 720 Boush St. 23510. Letter from John Fairn [I think!]. Holbrook
- WNSB 91.1 Norfolk, 2401 Corprew Ave. 23504. Letter from Edward D. Turner, Stn Mgr "The entire staff is very trilled of your ability to pick us up." Holbrook
- WFOS 90.5 Chesapeake, 1617 Cedar Rd. 23320. Letter from Jack Garrison. Holbrook

This months all fm qsl reporters are: Dave Nieman of Akron, NY; John M. Jefferson of Pleasanton, CA; Charles George of Dallas, TX; Paul R. Mount of Teaneck, NJ; Hank Holbrook, of Chevy Chase, MD; Bruce Elving of Kearney, NE; Saul Chernos of Burnt River, Ont. Remember, when you report, please give full information on the qsl you got. This means the tell everything. The call, freq, address (if you have one), the name of the signer (if you can't make out the spelling say so), and anything else you can think of. This would what they reply with; letter, card, bumper-stickers, rate card, the whole works. Also, don't forget. If you want to show off that prize qsl card or letter. Send me a copy of it or the qsl itself, and I will mail it back to you free of charge. Show off your dx'ing effort, by shar'ing your qsl with the membership. 73's for now.

*Tom Y.*

# NORTHERN FM-DX

MARCH 1983

DEADLINE IS END OF MONTH

Saul Chernos  
79 Ridge Drive  
TORONTO, ON M4T 1B6

Some Nov/Dec E-skip and Tr around Xmas during an unforgettable warm spell...heard about folks eating Xmas dinner on patio in Chicago...80 Fahrenheit. Simultaneous Tropo?

David J. Nieman - 12234 Nics Rd. - AKRON NY 14001

\* ID on tape.

Nov/82	Dec/82
8 Tr	4 Tr
0049 WRQC 92.3 OH Cleveland Hts. * 200	1902 CBCN #? 88.1 ON Sault Ste. Marie *375
(rp, "92 Rock", ex-WLTT)	5 MS
21 Tr	1114 KMZU 101.1 MO Carrollton 820
2358 CHGA 97.3 PQ Maniwaki * 240	7 MS
(r, s-off, French)	0054 KKOK 95.7 MN Morris * 855
22 Tr	8 Es
0930 WIXX 101.1 WI Green Bay, r 490	0945-1020 MUF TV 6 & briefly to 90.1
0955 WTCM 103.5 MI Traverse City, R * 375	12 MS
27 Tr	1000 KRND 101.1 LA Shreveport * 1100
WNGZ 104.9 NY Montour Falls * 100	1110 KMGK 93.3 IA Des Moines, r * 750
(r, "Wings 105", ex-WXXY)	13 MS
29 Tr	0059 KWPC 97.3 MO Springfield * 850
1320 WITR 89.7 NY Henrietta 45	20 Tr
(pr, ERP to 1.0 KW vkh, \$)	1012 WQNY 103.7 NY Ithaca, (m, ex-WETV) 110
30 Es	
1244 unID 89.5 CBC NF/Lab. net.	
1250 unID 90.3 CBC NF/Lab. net.	
1255 unID 89.1 CBC Radio	
1300 "OZ-FM" net. stations: 92.1, 92.3, 93.9, 95.9, 96.3, 100.3... (are there more? -ed)	
1344 unID 90.1 CBC NF/Lab. net.	
1349 unID 105.9 CBC French net.	
1356 unID 93.1 "Q-93 PEI Country" (see my comments end of your report-ed)	

\*\*\*Nov 30 Es opening was a waste. Began opening to the South with 89.3 in Pensacola FL but soon dropped out. All that was left was Canada ~~W&A~~. Dave.

ED. COMMENTS...sorry you had to put up with Canada...and to think that what I have to listen to, heh! (or should that be eh?). Seriously, though...that's why I've been

tabulating Canadian station lists. The following should help. I will do the same, if I can, for any unIDs (CANADIAN) sent with reports (and without reports for Central-Southern DXers.

- 89.5 is either Goose Bay (4500watts) or Portland Creek (850w).
  - 90.3 is CBNM Marystown (100,000w.) for sure.
  - 89.1 is Truro NS (1170w.) for sure unless a recent grant...I'll check.
  - 90.1 is Millertown (4200w) for sure.
  - 105.9 is none other than CBAP-20 St. John's NF (45600w).
  - 93.1 is an easy & new PEI target...& not CBC...CFCYfm (25000w) and IS country.
- CBC's are IDing better but it can be trying on the ol' patience sometimes, like when 57 are in at once. Please...let me help...write.

\*\*\*\* \* \* \* \* \*

Saul Chernos - 79 Ridge Dr. - TORONTO ON M4T 1B6

(Sony TRM-1102 w/ rabbit ears or hooked to 30 ft tower on edge of lake). The Sony could be older than me, too!

DEC/82	(rest of report next mo.)
18 Tr	1058 WENC 90.1 NY Greece 115
1800 CFMX 103.1 ON Cobourg Back on air.	1100 WBSU 89.9 NY Brockport 100
19 Au	1106 WJED 89.3 PA Pittsburgh 110
0120 KIMI 97.3 IA Des Moines 800	1612 WGER 102.5 MI Bay City 280
21 Tr	1617 WNUZ 103.5 MI Detroit 280
1810 CBSM 89.5 ON Sault Ste. Marie 310	23 Tr
21 Au	1000 WCZY 95.5 MI Detroit 280
1819 WNIC 100.3 MI Dearborn 295	24 Tr
1830 WNUZ 103.5 MI Detroit 280	2046 WRRN 92.3 PA Warren 195
1900 WDMZ 103.5 TN Knoxville	26 Tr
2010 KTIK 103.7 IA Davenport	1051 WTCM 103.5 MI Traverse City 350
22 Tr	2255 WGER 102.5 MI Bay City 280
0748 WAKC 102.9 MI St. Ignace 315	2302 CFMO 93.9 ON Ottawa 150

73s SAUL

# SOUTHERN FM DX

March 1983

Danny Buntin, editor  
1312 N. Skyline  
Stillwater, OK 74074  
DEADLINE: 5th

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

Guess it's time for an update. The fall and winter seasons have been unusually productive, thanks in large part to a rash of new stations. Logged only one station via MS during the Geminids due to a decision to try for some class A stations. The MS was there, but no ID's. Will keep trying from time to time; the few clear class B/C channels are about worked out, so between 6 am and midnight there's not much to monitor but the A's. (Post-midnight is a little better, but not a lot.) Anyway, all loggings were in Pleasanton with Mac MR80 except at noted. The Channelmaster Stereoprobe-9 antenna (55') was used unless noted with a #, in which case the Winegard CH-6065 (15') was used unless noted with a #, in which case the Winegard CH-6065 (15') was used to reduce local competition. Underlined are new, \* means new to Pleasanton, CV means logged at my parents' in Castro Valley (using MR80 with ancient Winegard antenna).

9/18 GW 23  
1803 KSCU 103.3 CA Santa Clara, Moved from 89.1 (CV) - noted 9/19 0052 in Pleasanton.  
9/19 MS  
0328 KTEP 88.5 TX El Paso, calls 970  
9/25 tr  
0201 K292?? 106.3 CA Modesto, KEBR ID 45  
10/4 tr  
0200 KYMR 89.5 CA Nevada City 120  
station addr, ph# (CV)  
10/11 MS (CV) 520  
0512 K12N 93.1 ID New Plymouth, cl, wx  
10/14 MS  
0234 KPFM 107.3 WA Yakima, part cl 635  
10/23 tr  
1100 KAAAT 107.1 CA Oakhurst, ID, m 120  
(testing at 15 watts!) Later usable at times in stereo, when up to full power.  
10/28 tr  
1045 KNGC 94.3 CA Grass Valley, ID 112  
(new, not on 92.1 as listed)  
10/29 tr  
0020 KGLB 91.9 CA Santa Rosa, s/off, 66  
new to air, g  
0200 KRQK 100.9 CA Lompoc, ID 225  
1120\*KLPA 92.1 CA King City, ID 115  
11/26 tr  
1812 KFSR 90.7 CA Fresno, ID, p 125  
(another new station)  
12/6 tr  
0212\*KKXX 107.9 CA Bakersfield, calls 230  
0229 KHTN 92.1 CA Placerville, ID, nr 90  
"K-Hangtown" unID  
12/6 GW 3  
1200 KGO-2 103.7 CA Pleasanton, Logged w/portable ICF-2001; w/external antennas, only evidence of existence was multipath problem w/ KGO plus sudden appearance of spurs (now fixed by KGO)!

12/8 tr  
0145 KIQQ 104.5 CA Atascadero, ads 170  
12/10 MS  
0535\*KRCL 90.9 UT Salt Lake City, calls 560  
12/16 GW  
0100 K296BZ 107.1 CA Cupertino, KEAR ID 39  
tr  
2221\*KRNO 106.9 NV Reno, K-Reno, KEAR off 160  
0846 KCBX 90.1 CA San Luis Obispo, ID 170  
12/18 tr  
0007 KTPI 103.1 CA Tehachapi, ID (new 260  
xmitter - 500 w., 5000'asl) In for 40 min.  
w/tests. Also ID next morning at 0900!  
12/22 MS  
1210\*KQNM 93.7 NM Gallup, "KQ93, the 745  
place to be"...(KPYE off)  
12/24 GW (strong)  
1700 K296BZ 107.1 CA Cupertino, ID, (CV) 39  
12/25 tr  
1900 KGLB 91.9 CA Santa Rosa, local ann. 58  
(CV) - very weak  
2005 KNGO 94.3 CA Grass Valley, ID (CV) 114  
1/3/83 MS  
1025\*KRIDQ 104.3 ID Boise, calls 510  
1/4 MS  
0130 KSQY 95.1 SD Deadwood, wx, calls 1050  
0630 KTAK 93.9 WY Riverton, WY nx 790  
1/6 MS  
0940 KTAK 93.9 WY Riverton, calls, nx 790  
1050 KTAK 93.9 WY Riverton, Riverton PSA  
1/7 MS  
0938 unID 93.9 "Q-94"  
1/9 MS  
0600 CBX? 90.9 AT Edmonton, CBC  
0630 CBX 90.9 AT Edmonton, Ann.(of 1175  
what CBC Guide listed for CBC \$ at the time)-  
same voice as above. (New freq. - used to be on 93.3, but on 90.9 eff. 9/1/82.)

Had almost everyone off the air here 12/22 due to high winds which knocked out the Pacific NW power intertie, but alas was at work while such non-stoppers as KIOI, KBRG, KSOL, KFGG, KOIT and KGO were off. Aside from KQNM (before work), and another hearing of KRNO Reno, it was a washout. (Am yet to log anything on 105.3 but KBRG, on 101.3 other than KIOI and one of their boosters, or on 107.7 aside from KSOL, so sorely missed the chance!)

Was in Anchorage in November, contributing perhaps to that month's dismal output. Noted new KWHL 106.5 on the air there, with rock and notably clean signal. Their engineer is considered the best up there.

20 Please report FM DX to this column if your're from: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, MS, NC, NM, NV, OK, SC, TN, TX, UT, VA, WV. Happy DXing!

\*\*\*\*\*

# CENTRAL FM DX

March 1983

Report to Central FM if you live in the central states of MN IA MO WI IL IN MI & OH

Ralph Strobel, editor  
2300 E. McGalliard Rd.  
Muncie, Indiana 47303  
Deadline: the 5th

Doug & Dawn Dornbos - 931 Boon Street - Traverse City, MI 49684

Some random thoughts after reading the January 83 VUD:

1. Our hobby is often a selfish one. Congradulations and continued success with your oboe students. Helping others is always more important than sitting in front of the radio dial. (My students will enjoy reading this statement!-RS)
  2. Congradulations goes out to Mike Kronka who was married to Lisa during '82. (Gaylord, MI). May your marriage go the DX.
  3. Concerning the tube-type amp mentioned in the TV news column - Finco still makes one, the 65-1, 300Ω, 4 outputs @ +8 db, VHF-FM. \$89.15
  4. Finco has evidently dropped their FM bandpass filter and their 10 element yagi from their line.
  5. Reviews - A. The Carver FM Tuner - Audio 12-82.  
B. 11 outdoor antennas (FM only) - Audio 1-83. (A broad price range, but informative). The Smith charts are very interesting.
  6. Concerning the video lines column mention of CATV RF leaks. The locals had to filter instead of scramble HBO due to interference with the radar at the airport. However, the control tower jumps right into my FM dial at about 10L. Will band-pass and see what happens.
  7. Ran into a DX'er by chance several months ago. Had been FM DX'ing for several years. Never had heard of WTFDA. A shame.
  8. A final note - I find that a little pinch of skoal between my gum and cheek increases DX by about 30-40% especially after midnight. Has anyone else had this experience?  
Thanks for listening, Doug Dornbos
- P.S. Despite my wifes name on the return address, she definately does not DX. She is a very fine woman, none the less.

+++++

John Ebeling - 9209 Vincent Ave. So. - Bloomington, MN 55431

From Bloomington location: (all new)  
12/1 tr  
0027 KKYA 93.1 SD Yankton, "KK-93" used, From Prosit, MN location: (all new)  
(ex-100.3 freq.)  
12/13 ms  
0415 WCGQ 107.3 GA Columbus, long 30+ sec. burst - local ad & ID  
1/3 tr  
0001 KGRB 88.5 MN Bemidji, New 96kw MN Public Radio station  
I failed to notice anyEs which usually occurs during early January, even though I was on the lookout for it. Did have some aurora, however. Conditions have been so poor that I haven't bothered to list anything but new catches. Perhaps it's time to list my equipment used again. In Bloomington, I use a Heathkit AR-15 receiver, Pioneer TX-9500 tuner (both modified for SCA reception), a 23 year old Channel Master 10 element Yagi antenna with rotor (antenna about 25 feet AGL) and a vertically mounted dipole which is about 14 feet AGL. At Prosit, I have a Heathkit AJ-15 tuner (also SCA equipped), a Radio Shack 5 element FM antenna about 10 feet AGL (in the attic - to change direction means climbing into the attic). Also use a GE "Superadio" model 7-2208B at both locations (also SCA equipped). That Superadio, for a portable, is quite an impressive performer on both AM & FM. Very sensitive! For the money, I don't think it can be beat. That's about it from here. Will update as conditions (and DX) permit.

+++++

Bob Zent - 1835 Fruit St. - Huntington, IN 46750

12/9 GW 1/26 GW  
 0102 WBGL 91.7 IL Champaign, g 150 1901 WICR 88.7 IN Indianapolis, c 75  
 12/27 tr This was WICR's first day of operation  
 0108 WKKC 89.3 IL Chicago, s 130 with it's new power. They claim 2500 watts  
 from the 1000 ft. WRTV tower. The signal here is weak, but steady, and listenable  
 in Stereo. Good DX, Bob Zent

\*\*\*\*\*

Ralph Strobel - 2300 E. McGalliard Rd. - Muncie, IN 47303

2/2 tr 1800 WJEL 89.3 IN Indianapolis, ex-89.1, r mono, RKO nx, poor signal 50  
 with 125 watts, hurt by WFPL Louisville, KY.  
 2/6 tr 0106 WKWC 90.3 KY Owensboro, g, ID, WBCL Ft. Wayne off Sun. mornings. 210  
 WICR Indianapolis 88.7 is now as strong as WIAN on 90.1. This has destroyed chances  
 of getting anything else on that frequency. 89.7 will soon be ruined when WECI at  
 Earlham College in Richmond, IN increases to 11,000 watts. What a drag! 73, Ralph

\*\*\*\*\*

# ANARC UPDATE

Steven Sprachman  
 3939 Eve Drive  
 Seaford, NY 11783

March 1983

ANARC, the Association of North American Radio Clubs is the organization that acts as a liaison between the various DX clubs in North America. Some clubs are of a continent-wide or world-wide nature, other's are regional, state or province-wide. These member clubs deal with all facets of the DX hobby, from station listening and monitoring to the technical aspect of the hobby. ANARC publishes a monthly newsletter of 12 pages. Included are items about the various clubs, a list of articles printed in their club bulletins, receiver reports and a list of member clubs. Also in the ANARC Newsletter is a report of the activities of HAP, The Handicapped Aid Program. For more information on ANARC, write to: ANARC 1500 Bunbury Drive, Whittier, CA 90601 USA.

ANARC's biggest annual event is the ANARC Convention. This year's convention will be held in Washington, DC from July 15 to July 17. It is being sponsored by the Washington Area DX Association. All the convention activities will take place at the Rosslyn West Park Hotel in Arlington, VA. The first day's activities will include club displays and a wine and cheese reception. Saturday is seminar day. Topics to be covered include, publicizing the DX hobby, trends in broadcasting and computers in the radio hobby. One session will be a "free-wheeling" discussion on various aspects of the DX hobby with "noted DXers". There will be a meet the broadcaster session and a discussion of station policy. Saturday is capped off with the ANARC business meeting, the HAP Awards Presentation and an auction of radio and television station promotional material for the HAP organization. The ANARC Convention is a good way of meeting other DXers, learning about other aspects of DXing and sharing common experiences. For more information on the convention activities and the cost, write to the Washington, DC Area DX Association, 606 Forest Glen Road, Silver Spring, MD 20901 USA. Please include a self-addressed stamped envelope ( in the USA ) or IRC's ( for foreign delivery ) for a reply.

I hope to keep the WTFDA club members in touch with the activities of ANARC. Until next time, I hope the DX is good in 1983 for all.

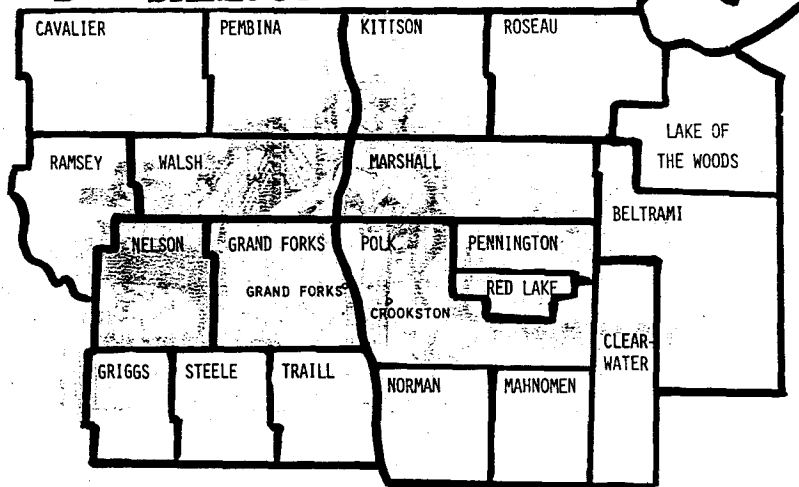
73's

*Steven Sprachman*  
 WTFDA's Representative  
 to the ANARC

There's only one Kicker!

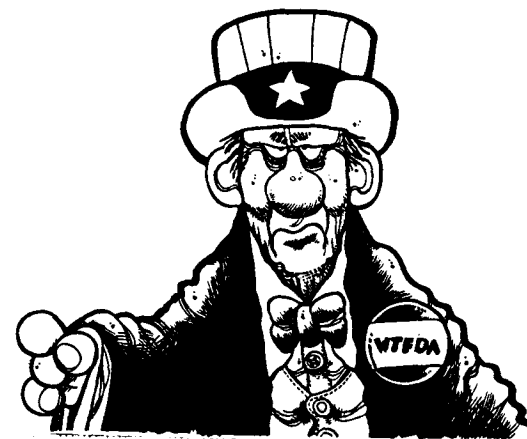


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we want your

dx reports

# REPORT FROM THE CARIBBEAN

by GLENN HAUSER

During the last week of November, 1982, I carried out a longtime wish to visit the Virgin Islands and DX intensively, mainly on mediumwave. I did, however, make some FM observations of the local VI and Puerto Rican stations as I was taping them for features on WORLD OF RADIO. I hope some of this info will be of practical use to WTFDAers, single- or double-hoppedly! Days are November, times are GMT. Receiver was a Sony ICF-5900W, with partially broken off built-in whip. On FM in the USVI, the four locals were heard (but not WIUJ 88.9--off?), and the rest of the dial was filled with Puerto Ricans. If I had a big antenna on a high point, I might have heard some other countries. The VI stations were not heard in San Juan, where at the airport I spent an hour layover trying to tape an ID from all the locals, 30 1751-1900. All other PR logs below were from VI.

87.75 23 0323 PR WIPR-TV (audio) ID as "Su televisora del pueblo de PR"; at 0100-0300 ran PBS live in English simultaneously with east coast satellite feed, 0300 Reagan. 23 2213 // 91.3 for sports report in English mixed with occl Spanish. 24 0320 studio interview in SP on PR & American culture, w/hum, then detailed marine weather in Spanish with the worst gringo accent I've ever heard--must've had the native speakers rolling in aisles

30 1831 Sesame Street (in English); tone test a few minutes earlier; must've just s/on. In VI this signal always much weaker than 91.3 tho I suspect same site is used

88.1 30 1801 PR Promo "El Camino de la Vida", ID as R. Revelación, WCRP-FM, Guayama, 27 kW; always gospel whenever checked

89.7 PR WRTU San Juan plays lots of classical music; never happened to catch an ID however

90.5 26 1700 PR Audible only when driving along the high central ridge of St. Thomas was AFRTS, or AFCN, in English with automated time checks, presumably Roosevelt Roads, low power

91.3 23 2213 PR WIPR-FM // ch 6, see above. 25 0402 playing PR anthem, but tuned in too late.

30 0400 taped full WIPR AM&FM s/off in SP, "Las emisoras del pueblo de PR", also mentd WWU-91, 935 MHz (STL), and played PR & USA anthems

92.1 30 1829 PR ad for Mueblería Pimentel, Fajardo, ID: "Desde Luquillo, Capital del Sol, ésta es WZOL-FM, Estereo-Sol 92"

92.5 30 1803 PR ad for Benítez Insurance Agency en Barranquitas; political ad for Partido Nuevo Progresista, ID as R. Oro, WORO, Corozal

93.7 30 1806 PR ad in SP for Capitol Air which has \$109 one-way Xmas excursion to NY, 19-26 December, departing Sunday only from Aguadilla; ad for artesanía shop La Plazoleta del Puerto, ID in SP as "Z-93", this is WZNT, San Juan, get the call meaning?

94.7 30 1818 PR 2:17 TC, PSAs, ID in passing in SP as "95-X", "Super-X" but plays rock in EG. This is WGSX Bayamón

95.7 23 0308 PR R. Fidelity 96, ID in SP. 30 1759 be-friendly-to-tourists PSA, ad for Super-80-Pine (pronounced in SP Pain), pure pine oil cleaner, WFID Río Piedras ID as R. Fideliti (pronounced with Spanish accent), FM-96; 1800 jingle "El sonido suave de San Juan"

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96.5 23 0408 PR FM Atlas has gospel format, but it's actually rock from I-96; 0436 ID as "I-96, R. Contempo", Spanish rock. List as WDOY, Fajardo, maybe call changed now? Also hrd in SJ AP but skipped over it since I already had it on tape from USVI

97.7 30 1809 PR ad for a ropa tienda en Caguas named "Feelings", zapatos tienda, mueblería with Panasonics, 10-sec for Ciudad Toyota; Agencias de Viajes González, Caguas; Joyería y Óptica Alejandro w/24h service, quite an adstring, 1812 no ID, mx, 1817 ID as "Super-97" by DJ with dedication, more ads. Listed as WBRQ, Caguas

97.9 23 0400 VI At first tuned in too late to catch s/off; taped 24 from From 0327 which captured: 11:32 amnt for The Ritz night club; WIBS (or pronounced Wibs) 98, FM is the Rock. 11:41 outro Fleetwood Mac, canine heart wounds disease PSA by humane soc'y of St Thomas. "The best rock is on Wibs-98 FM"; Hype promo Newsroom 98, at 8 am, noon, 5:30 pm, Mon-Fri. "12 midnight on The Rock". "This is WIBS-FM, St. Thomas, US Virgin Islands, with news from United Press International" with Nicki Hollis, who has US accent; about Kauai hurricane, MX/Wyoming, Frebergradio advertising ad, propane tank leak in Pueblo CO, Polish hijacker, NFL deadline, other sports; St. Thomas Rape Victims Witness Project PSA; wx: small craft advisory; 12:05 TC, "Have fun and sweet dreams", s/off mentioned 50 kW ERP, SSB by Willie Nelson (?) and off. 25 0404 similar but not identical s/off. And again 30 0405

98.5 23 0314 PR "Salsoul 98 ID from WPRM San Juan. 26 0309 "Salsoul 98" IDs, mx, ron ad, ID. 30 1858 SP rock, "Salsoul", "con la música típica de Borinquen, WPRM San Juan"

98.9 24 0317 PR just missed s/off; try again: 30 1838 PNP telethon ad and another PNP ad, similar to earlier one by non-pro speaker, a pol; maratón en el Coliseo Roberto Clemente; Joyería ad in Fajardo; Superfarmacia Libertad, Fajardo; Santa Ysidra Cash And Carry, ID as WLID, Vieques-Fajardo, Radio Libre 99, FM Stereo. Position of PNP is equality in the American nation, pro-statedhood ("estadista")

99.5 23 0317 VI FM-99 ID in English. 24 1104 from St Croix, 76° at the Sugar Mill, local wx, ad for Cable Guide; only ID was "FM 99"; Texaco, 7:05 TC, West Indies Sol-air hotwater system; refers to WAPA bill, which has nothing to do with the San Juan radio station but means something like the Water and Power Authority; ad for unisex sportswear. Listed as WIVI Christiansted

99.9 23 1842 PR WIOB San Juan listed but IDs only as "Estereo-Tempo" (not Tiempo); 1852 ad for imported Danish ham, Young Doctors In Love w/ID jingle as above

100.7 30 1837 PR WXYX Bayamón ID jingle, rendered as "Doble-U Equis y Equis; Equisén(?)"

101.1 23 0124 VI "Stereo 101, WCRN-FM", wx. Off before 0400. 24 1123 mx, 1130 nx of VI, welcoming cruise ships by name; 7:51 TC, mx, ID, ABC nx, very hummy phone feed. 25 0357 ID, mx, s/off till 6 a.m.

101.9 30 1756 PR "ZAR" jingle in EG, SP promos including Medic-Plan, ad-string incl pantalones from Ponce, "Your Station, WZAR" ID jingle in EG. Probably has xmtr atop central mountains

102.5 30 1751 PR Adstring incl Popeye (po-PEH-yeh) Sound Center, 1755 Finally WIAC-FM Stero jingle.

30 1827 Spanish Xmas gospel, ID jingle WIAC-FM Stereo. San Juan.

103.3 30 1820 PR Woman w/wx forecast, fone ringing in background, ad for Ferreteria Caguas Comercial, ID as "Criolla-103 FM Stereo", mx; wx included possibility of landslides due to heavy rains. Listed as WVJP, Caguas. And motto worthy of emulation: "Sabemos que Vd. nos escucha y por eso no le gritamos--Criolla 103-FM-Stereo"

104.1 30 1822 PR Really wierd: Robot delivering religious talk--presumably for other robots. Must be WERR Utuado; also had more conventional religion whenever checked elsewhere

104.7 30 1312 PR WKAQ-FM San Juan, ads for Island Finance, ron which is 80-grados-prueba, Clairrol, all in SP; "Radio 105", frequent quick jingle cut by gringos, "Su Música, WKAQ-FM". DJ IDed self twice in a few mins: Roberto Montalvo; plug Telemundo

## HOMEBREW FM YAGI PART ONE

In the VHF spectrum, most practical high-gain antennas are yagi (or more properly, yagi-uda antennas) antennas, or some kind of combination of the yagi and log periodic design. You may have noticed by now that the best FM DXing antennas are usually quite close to the classical yagi design, if you are at all familiar with that basic element configuration.

The problem with the yagi, at least the basic type of yagi, is that it is narrowband by nature--it can really only work well at or near one frequency, unless you are willing to make a few compromises to broaden signal response. Thus, it's pretty simple to make yourself a homemade yagi out of old antenna elements or aluminum tubing stock, if you want to "cut" it for a particular frequency. As you approach the FM broadcast band frequencies, the physical size of an antenna is quite manageable for the average experimenter. So, with the availability of old antennas, what DXer isn't tempted to try a little project of his own?

In my own case, I became interested in increasing directivity by adding elements. I've noticed that most FM deep fringe antennas have boom lengths not exceeding 12 feet, with many of them geared to a 10-foot design, and with any more than 10 elements being rare, except in a purely log-periodic type of array. Personally, I believe that maximum gain versus overall performance has been achieved by Channel Master in their Stereo Probe 9 model, and that model only features 9 elements, incredibly. Their secret lies in how they use those elements, and the fact that the driven section of the Probe 9 features four full resonant folded dipole antennas tuned to exactly the right parts of the 88 to 108 MHz band.

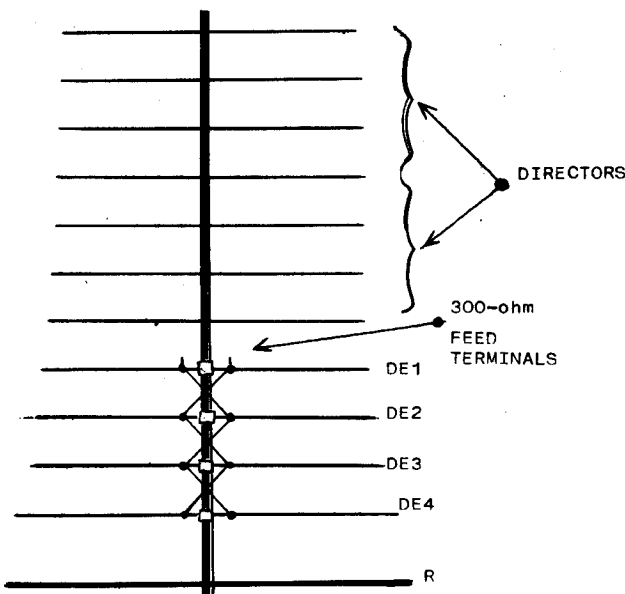
However, it would seem that the experimenter could outdo the specs of most commercially made antennas by using more elements on a longer boom, at least at first glance. But, it's not that simple. The 20 MHz bandwidth of the FM broadcast band is the limiting factor here. Adding more directors on a longer boom will increase the antenna's directivity--but it also

will lower the antenna feedpoint impedance. It is important that this impedance be maintained as close to the norm--in our case 300 ohms--as possible.

Adding even one more director to a proven design can screw things up faster than you can imagine, in some cases. Adding a few more can really be asking for trouble.

I decided to ask for a lot of trouble by taking an Antenna-craft design that was not particularly noted for being a hot DX antenna and making some of my own changes--mostly to see if I could achieve very sharp directivity on the FM band.

Note the driven section of the antenna: four half-wave dipoles (DE1 through 4) in log-type configuration. PART TWO NEXT MONTH



## TECHNICAL TOPICS

**Q:** "I have not had much luck with auroral DX. How far north does one need to be for this mode? What frequency is best to try?"

**A:** Your auroral DX results depend upon your geomagnetic location on the continent, and as a result, no two areas of the same geographic latitude seem to be able to experience the same reception conditions for this form of propagation, which may be considered one of the more exotic modes the further south you happen to live. All of Canada, and parts of the north-eastern U.S., seem to be fair to very good for auroral DX potential; areas of the central and northwestern U.S. of similar latitudes are rather poor by comparison. In contrast to the fairly frequent northerly auroral events, it is a very rare occurrence in most southern areas. Some very large auroral events have been noted by southern DXers, but usually quite weakly. March is the best time of the year to get into auroral DX on VHF, and your best shot at it will be on the FM broadcast band. While it is possible to observe auroral "hash" on lowband TV channels when the aurora is active, identification of TV DX is almost impossible--you'd be much better off in checking the FM channels, which suffer relatively little distortion during auroral events.

**Q:** "I have seen FM loggings reported by DXers showing that stations to the south of them were received via auroral propagation. How does this effect take place?"

**A:** When an auroral disturbance takes place, the DX signals you hear are actually bouncing off something that resembles a "curtain" of ionization high above the polar regions of the northern hemisphere. You could think of it as a kind of vertical shimmering skip cloud that has a line-of-sight "view" of both your DX location and the station to the south of you. As auroras increase in intensity, the chances for this southerly auroral DX phenomenon also increase. FM stations from Georgia and the Carolinas have been heard in the Northeast U.S. states during large auroral displays.

-bt

## STATION BREAK

c/o Bill Thompson  
1907 Seneca Street  
Buffalo, NY 14210

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

**FOR SALE - Heathkit AR-15 receiver.** This receiver is in excellent condition and comes with AE-18 walnut cabinet- definitely DX ready! \$450 or best offer. A. Bolin, 709 Lincoln, Charleston IL, 61920

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.