

# From The STAFF

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

CONVENTION '84 COMING...It's going to be a great one! Many DXers are already making plans to be there--and you're invited too! For complete details on the 1984 WTFDA convention and how to get there, send a self-addressed stamped envelope (SASE) to the above address. Or, contact host Mike Lapinski, RD #2, 2478 Palm Rd., Jamestown NY 14701. Next month's VHF-UHF DIGEST will feature much more info, and also will have a registration form for the big event. Jamestown, situated in those legendary "DX hills" south of Buffalo, is the place for TV and FM DXers to be this August 3rd, 4th, and 5th! More details appear on page 21 of this issue.

NEW MEMBERSHIP CATEGORY...At the suggestion of one of WTFDA's charter members, we're creating the Sustaining Member category. This is in response to those loyal DXers who intentionally "overpay" their annual dues, and to those who renew several years at a time. We don't actually encourage multiple-year renewals, but we do accept them. We will offer certificates, suitable for framing, to those who choose to become Sustaining Members. This is, of course, entirely optional. Basic annual WTFDA dues remain at \$15 and probably will for some time to come. More on this new membership option in an upcoming issue.

WTFDA REPRINT SERVICE...A new catalog of available club reprint articles will be out after June 15th. Want one? Just send a SASE (business size) to club HQ. This service will initially be limited to past VUD technical articles, and will cost 10¢ per page.

SKIP SEASON STARTS STRONG...It might just be one of the better years for E-skip DXing on FM and TV, if what has been seen so far is any indication. Activity in May was very interesting, and a few of the more seasoned DXers are already calling it a great Es season. The next few weeks will tell the full story. We hope you're in on some great E-skip as you're reading this!

SPECIAL REPORT DELAYED...We're still awaiting some data for a special report on the astounding (and quite unexpected at this point in the Sunspot cycle) F2 skip events that took place in March and April. One of the lucky DXers involved was Pat Dyer (San Antonio TX), who caught South American ch 2 F2 signals.

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Thanks to Harry Hayes for this month's cover.



# MAILBOX

Alan Hyams  
P.O. Box 130  
City Island Sta.  
Bronx, NY 10464

The following are WTFDA's new members. It's a pretty good sized list this time around - probably due in large part to the plug our club received in TV Guide in April. We also received mention in Radio World, a broadcast engineering journal.

The debate over whether or not to print member's addresses is still not over, but with this list I'm implementing a suggestion offered by Bill Thompson. Members giving their addresses as post office boxes will have those addresses printed. Home addresses will be deleted unless the member requests that it be printed. And so:

- Roy Barstow P.O. Box 488-T Teaticket, MA 02536 (R)
- Tim Benko P.O. Box 125 Lansing, IL 60438-0125 (R)
- Edward F. Mora N5CBG P.O. Box 5960 Rte 1, Lufkin, TX 75901
- Steve Russell P.O. Box 41074 Tucson, AZ 85717-1074
- Richard Sedlak P.O. Box 284 Johnson City, NY 13790
- Charles Twiddy P.O. Box 2268 Clewiston, FL 33440
- Ralph Ungles P.O. Box 52 Satanta, KS 67870
- Larry Weisberg P.O. Box 781 Amherst, NH 03031
- Ben R. Wilkie P.O. Box 386 York, ME 03909

- Marty Barvinchak Glenshaw, PA
- John Callarman Mt. Vernon, Il (R)
- Ken Chiu Vancouver, BC
- John F. Combs Orlando, FL (R)
- Carl Dewhitt Ponca City, OK
- Donald J. Fritz Downey, CA
- William R. Hale Converse, TX
- Larry Herritt Rochester, NY
- Albert J. Kopec Dundee, NY (R)
- Michael J. Mortimer Charlestown, MA
- Jeff Nickels Marion, IA
- Pete Nolan Galveston, TX
- Joe Perge Newark, OH
- Patrick Robbins Reseda, CA
- Rich R. Rose Detroit, MI
- Tom Sawyer Clintonville, WI
- Edward Shepherd Hickory, NC
- Steven F. Solomon Hamden, CT
- Randy Tomer Santa Rosa, CA

Our letters begin with one from Masaaki Arai, a Japanese DX-er. He tells a bit about himself: "I am 23 years old...I go to college... my major is medicine." He is also a ham operator (call sign JKIUIH). He also mentions a collection of recordings of American stations he made while here for a month and a half in 1981. He is also looking for someone in this country to correspond with, and to help him increase his tape collection. If you're interested, write to him at 3-3-4 Minami-cho, Tanashi City, Tokyo, 188 Japan.

New member Pete Nolan of Galveston, Texas says he's been meaning to join the club for years. He gives an interesting description of himself: "My background is in professional radio (as an announcer, programmer, administrator, and promotional consultant), as an aircheck and promotional item collector, AM/FM DXer, and I am currently publisher of Radiophiles, an organization of radio hobbyists that caters to DXers and a fistful of other radio-related avocations."

If Pete will give me the go-ahead, I will publish his address, or whatever address people may write to in order to find out about his group.

William Newburn tells about a new radio he recently bought--the "PRO-2003." He writes: "A 50-channel scanner (the usual 30-50, 108-174, 410-512 kHz's) plus 10-channel FM band (handy for FM DXing--my first digital readout for FM should help me a bit). Great reception on both SBS and FM with just whip. (With previous radio, 162.55 Buffalo WX "splashed" all over the place. Now I can get 162.475 Toronto and 162.40 Erie, PA with no problem. I can even tune to 162.56 or 162.54 and not hear a speck from Buffalo. Better than I ever dreamed of.)" I should have mentioned that William had been DXing in Niagara, Ontario at the time he wrote this, but has since moved to Winnipeg, MB. What make was the radio, William?

Newly rejoined member John Callarman of Mt. Vernon, IL writes in, telling of his own history and background: "I've been a DXer since 1947, primarily on the medium wave band. I have edited SWBC and CCB columns and published a CCB bulletin. I am city editor of The Register News here since 1981 after 25 years in broadcasting, including 11 as news director at WMIX here.

I use an AJ-15 purchased a couple of years ago from Richard Wood and a pair of Channel Master Stereoprobe 9s on a 30 foot tower on the roof of my two-story house atop a small hill near downtown Mt. Vernon...

My formal FM log started in 1979, with everything on tape. I have approximately 425 stations taped from this location--mostly tropo--my work schedule has coincided with much of the good E-skip."

And lastly, Robert Goodman has some comments he'd like to make: "I disagree with Bruce Elving's remarks in the May "FCC-FM News" about "wrong" ways of logging receptions. I don't know why he, Ralph Strobel or any other DXer should insist on any particular method(s) of identifying all stations (or states, etc.) received. I go by sufficient evidence of any kind to be reasonably certain of a reception.

For instance, Eric Fader and John Combs have sent me contradictory advice on the TV unID I had in the May "CCI"; one says KDLH, the other, WISC. If I can eliminate one of those (and any other candidates) and be sure of the other, that'll be an ID as far as I'm concerned. Indirect IDs like this aren't as satisfying to me as seeing or hearing an ID - that's the best thrill in DXing--but they don't change the fact that the stations were received." An interesting observation. The ethics of verification? Will this emerge as a new DX issue? Anyway, that about concludes this month's column. See you all next issue.

Tropos and such, 73's,

Al

# STATION BREAK

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

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

FOR SALE OR TRADE - 25 TV GUIDES from 1969 thru 1971 from throughout the country. I collect Fire Department arm patches and would like to trade the TV GUIDES for F.D. patches. Randy Miltier, N6HMO, 1239 Harrison Street, Santa Clara CA 95050.

FOR SALE - 1981/1982 TV FACTBOOK \$35; 1982 Station Coverage Atlas (State Coverage Maps - include ETV) \$25; Fred McCormack, Box 5221, Fargo ND 58105.

FOR SALE - Best offer - Blonder-Tongue #4161 TV descrambler/decoder (used for ch 68 Boston). Bill Smith - Brown Terrace - Uxbridge MA 01569.

# TELEVISION NEWS

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

## APPLICATIONS FOR NEW TELEVISION STATIONS

CH	ERP	HAAT	STATE/CITY/APPLICANT
31	5000	1256	AL Mobile; Way of the Cross
67	5000	1004	FL Lake Worth; Hispanic Broadc'g
67	3345	1448	FL Lake Worth; Lake Worth Bc'g
67	2108	897	FL Lake Worth; Lake Worth Com'n's
50	3220	555	FL Tampa; Mary Ann S. Bohi
38	5000	1855	HI Honolulu; Hawaii Educ. Corp.
49	5000	1020	LA New Orleans; Horizon Broadc'g
44	2698	794	MS Greenwood; Chester Smith
16	1000	586	NE McCook; Jerrall E. Kautz
21	1	4860	NM Roswell; Roswell Broadcasting (Another Michael Thurman application; aural is 100% of visual ERP; 209' above ground and 50.15' above sea level. That would put average terrain 4810' below sea level! The base of the tower would be 159' below sea level.)
46	5000	644	NC Belmont; Agape Communications
46	5000	1914	NC Belmont; ACTS of Metrolina
46	5000	1534	NC Belmont; Metro Broadcasting
46	5000	835	OK Norman; Daystar Broadcasting
53	5000	208	TN Cleveland; Richard Towe & Darrell Silvey
66	100	950	TN Lebanon; Joe F. Bryant
58	5000	379	TN Nashville; Ruth Payne Carman
53	5000	959	WA Bellevue; Gill Communications
33	79.4	1631	WA Bellevue; Central Broadcast'g

## CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS

44	1375	983	AL Gadsden; Anthony Jay Fant
29	5000	317	AL Selma; Way of the Cross
43	1000	427	AR Mountain Home; Baxter Broadc'g
21	2390	679	GA Brunswick; COR Communications
33	5.6	240	GA Valdosta; Coastal Plains Area Arts, Inc.
26	54.3	315	IA Burlington; Burlington Broadcasting Company, Ltd.
34	750	540	KS Salina; Haynes Communications
41	750	552	LA Alexandria; Haynes Communic's
42	5000	1563	NE Omaha; Pappas Telecasting, Inc. (initial decision)
68	1191	1013	OH Defiance; Community Television Associates
47	138	1019	PA Altoona; Western Pennsylvania Christian Broadcasting Co.
17	665	227	TX Texarkana; Powell Broadcast'g
25	5000	1828	TX Waco; Central Texas Broadc'g
34	4000	331	WA Spokane; Matlock Communic'ns
14	2780	428	VA Arlington; Urban Telecommunications (Supplementary decision; the latest in a fight over this channel.)

## APPLICATIONS DISMISSED (OR RETURNED)

AL Selma; ch. 29; John R. Powley
CA Ventura; ch. 16; KEMO-TV, Inc.
GA Brunswick; ch. 21; Golden East Broadcasters, Inc.
IL Galesburg; ch. 63; Powell Broadcasting
IL Springfield; ch. 49; George E. Gunter
IN Kokomo; ch. 29; Henry C. McCall; Metro Program Network, Inc.; Sandy Kay Bc'g Co.

IA Burlington; ch. 26; Metro Program Network
LA Alexandria; ch. 41; Cenla Broadcasting
LA New Orleans; ch. 49; Women In TV Ownership & Management
MI Jackson; ch. 18; Jackson Broadcasting (Returned; Michael Thurman application; had base of proposed tower 58 feet below sea level.); Spring Arbor College (proposed Spring Arbor as community of license)
MS Greenville; ch. 44; Greenville Broadcasting (Thurman application)
NE Omaha; ch. 42; Christian Broadcasting of the Midlands, Inc. (Initial decision, with CP granted to Pappas Telecasting because of its greater proposed coverage area.) /returned
NY Alpine; ch. 12; Alpine Broadcasting Co.
NC Wilson; ch. 30; Bland Communications
OH Defiance; ch. 65; Craig Broadcasting Company (Review Board decision)
OK Norman; ch. 46; KUSA Brewers Broadcasting
PA Altoona; ch. 47; Altoona Television 47
SC Rock Hill; ch. 55; York County Television Corporation (background information for this is on p. 16 of the 2/84 VUD. WNSC-TV, ch. 30 in Rock Hill, was granted a renewal of its license; ch. 55 was changed into a commercial assignment.)
TN Memphis; ch. 13; Micon Media, Inc.
TX Big Spring; ch. 14; Way of the Cross of Odessa, Inc.
TX Texarkana; ch. 17; Floyd Bell
TX Waco; ch. 25; Blake-Potash Corp.; Business Communications, Inc.; Heart O' Texas Broadcasting, Inc.

## APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

63	3435	374	CA Oxnard; KTIIE-TV
47	45.6	340	MN Rochester; KXIT
51	3097	1249	TX Longview; KLMG-TV (note last month: Jackson, MS, WBDB should be WBDB.)

## CONSTRUCTION PERMIT MODIFICATION GRANTED

17	1307	607	AL Tuscaloosa; WBDB-TV
40	1040	1210	MS Jackson; WBDB
11	85.7	2028	NM Santa Fe; KCHF

## APPLICATIONS TO CHANGE EXISTING FACILITIES (STATIONS ON THE AIR)

4	n.c.	980	FL Jacksonville; WJXT (CP)
12	n.c.	970	FL Jacksonville; WTLV (CP)
13	n.c.	989	IL Mt. Vernon; WCEE (CP MOD)
5	n.c.	1390	TN Nashville; WTVF (CP MOD)
33	5000	1696	TX Dallas; KNBN-TV (CP)
28	2400	n.c.	WA Spokane; KAYU-TV (CP)

## FACILITIES CHANGES GRANTED

IA Des Moines; KCCI-TV, ch. 8; CP to reduce ERP from 316 kw to 14.15 kw Max.; 1383' AAT/519' AG/1399' ASL (1568' lower ASL); coordinates 41°35'35"/93°37'48" (15 miles south of existing TL; TL to 10th & Crocker Streets, Des Moines. (This will result in a drastic reduction of coverage area, which is why the new TL will be located within the city limits.)
IA Waterloo; KWLL, ch. 7; reduce ERP from 316 kw to 262 kw max.; 1122' AAT/1045' AG/2011'



He has the new call letters of ch. 66 in Marlborough, MA as WVTX instead of WVTZ. WLXI-TV, ch. 61 in Greensboro, NC. went on the air 3/5/84 with all-music video format, using live "VJ's." WVEU, ch. 69 in Atlanta, GA, is doing the same, now that it dropped STV. WFBN, ch. 66 in Joliet, IL, is also dropping STV, and will go to an all-independent format this fall. WQTV, ch. 68 in Boston, MA, will drop FNN on 5/7 and replace it with movies and syndicated programs and NBC programs dropped by WBZ-TV, ch. 4.

Bill Draeb had a few questions about a report from George Rogers, which had KPRY-TV, ch. 4 in Pierre, SD, as changed from NBC to ABC. That would mean that KABY-TV, ch. 9 in Aberdeen, SD, and KSFY-TV, ch. 13 in Sioux Falls, SD, also changed. I have no record of that change yet, but keep an eye out on that, and anybody else who gets KPRY-TV in on a skip opening let me know what network affiliation you see, whether it is ABC or NBC. George Rogers also listed XEFB, Monterey, Mexico, on ch. 2 instead of ch. 3. That could very well be. Two years ago I got a microfiche list of television stations, which showed the Mexican government proposing to delete ch. 3 in Monterey and replace it with 24 and 4-, despite FCC objections. It looks like they are trying to squeeze one more VHF channel in. So if XEFB moved to channel 2, look for another Mexican station to start up on channel 4 in Monterey.

Using a field strength meter, Bill reports that the signal of WGGZ-TV, ch. 32 in Appleton, WI, is slightly stronger than WLRE, ch. 26 in Green Bay. WPNE, ch. 38 in Green Bay, is noticeably weaker than 32 and 26. (One correction from last month, by the way. George Rogers asked about a list of addresses of television stations, not a list of the stations themselves. And another book that has addresses of United States television stations is the SRIS Spot Data book, aimed at potential advertisers. Although I have seen this book, and one for United States radio stations, at several libraries, only in the Philadelphia Library did I see SRIS books for Canadian television and radio stations. They exist, but are rare.)

Ronald Purdue went to Arizona on vacation, and noticed that KNXV-TV, ch. 15 in Phoenix, is no longer carrying ON-TV STV service. (By the way, Ron, note the KKLT application to increase the ERP from their original construction permit, so it looks as if they're still trying to get KKLT on the air some day. But with that meager power, there might not be too many who will be able to get it in, even if they would want to watch it. I hope they do better in their Delaware application.)

William W. Munsil, a ham TV operator in Yarnell, Arizona, got a sample copy of the VUD. He mentioned that ham TV operators are running live TV between 420 and 450 MHz in the UHF band. Also on 1.2 and 2.3 GHz. I remember the TV Guide promo two months ago made a reference to ham TV along with the WTFDA.

R.R. McIntosh writes about WHT, ch. 45 in Ontario, CA. Although the station's schedule

is not in any local listings, it is apparently on 24 hours. Programming is predominantly religious with emphasis on Roman Catholicism. KINS started programming April 21, 1984.

Another letter from Bill Draeb questioned the change in call letters of ch. 22 in Hattiesburg, MS. In the 5/84 VUD, I listed a change from WLHT to WHLT. I think that change should be correct as stands. I suspect it stood for Laurel-Hattiesburg Television, and they decided to give Hattiesburg preeminence over Laurel, hence the change to WHLT. But one mistake he found: ch. 22 in Waterloo, IA, should be KTCG, not LTCC.

Charles George sent in an article from 4/24/84 Dallas Morning News about KLTJ, ch. 49 in Dallas, Texas. Although the article (whenever it was written) said it was supposed to go on the air that day, Charles reported that it came on 4/18. The station is owned by Eldred Thomas, a Baptist minister, and is a Christian television station. The call letters stand for "Keep Looking to Jesus." Thomas is also responsible for starting KVTT (FM) (91.7 MHz), a Christian radio station which operates 24 hours. KLTJ will also operate 24 hours with a mixture of locally produced programming and satellite programming from the Trinity Broadcasting Network. Thomas saw a need to start another Christian television station in Dallas after KXTX-TV, channel 39, started becoming more secular. KXTX-TV, formerly owned by the Christian Broadcasting Network, now the CBN Continental Broadcasting Network, had been trying to play down its Christian image, and was quite successful when its 1981 advertising campaign included Wonder Woman billboards. Operating costs of KLTJ will be covered by program suppliers, who will pay the station to have their programs aired. Eldred Thomas says that he is intolerant of the type of television preacher who spends more time soliciting donations than he does preaching. He says, "I'm sensitive about this. Religious organizations have not done the necessary policing in taking care of these abuses. It's disheartening, the money-raising tactics that some people use. When giving is completely voluntary, and not coerced, then it's a good thing."

Ron Greening sent some information from WGGZ-TV, ch. 32 in Appleton-Green Bay, WI. Much of the information was already reported last month, but there are a few more notes. The first official air date of WGGZ-TV was 3/7/1984 at 6:00 a.m. CST. The transmitter was brought up to full power the previous day. Apparently they now have all the bugs out of the system.

New member Dave Jones, an electrical engineer from Dayton, Ohio, clipped an article from the Dayton Daily News, 4/13/84. This article, while mentioning those two words which are foreign to the functional vocabulary of the press (i.e., "construction permit"), still treats it as synonymous with "license." Anyway, there had been three competing applications for a "license" for ch. 45 in Dayton: Sinder Broadcasting, Dayton Telecasting (a Pittsburgh-based firm), and

Channel 45 Company. The FCC granted a construction permit to Sinder in 1983, but Dayton Telecasting bought them out, as well as Channel 45 Company. The station will be an independent station, with movies and syndicated programs, and local shows in a format similar to WXTX-TV, ch. 19 in Cincinnati Ohio. Dayton hadn't had an independent station since WKTR went off in 1971.

Greg Monti sent in an article from the 5/4/84 Arlington Journal, strictly of nostalgic value, which I enjoy, and I know some others in the club also enjoy. (By the way, I'm still planning on starting up the RETROSPECT series, but with the recent nine-pagers, work on the translator list, and the upcoming heavy-reporting issues of the VUD, it probably won't appear until the November issue.) The article goes into the history of WTTG, channel 5 in Washington, D.C. The station first went on the air on May 10, 1945 as experimental station W3XWT, beaming test signals from DuMont laboratories to 100 television sets in the area. The station became WTTG on 1/1/1947. Back in 1950 it ran a program called TV Disc Jockey, which was similar to American Bandstand. Then there was Captain Video, with his Video Rangers. Mook the Moon Man, Dr. Pauli, the villainous leader of the Astroidal Society (Before you laugh too hard at the science fiction serials of yesteryear, be advised that the scientific accuracy of such films as Star Wars and Star Trek are no better. If anything, they are more inexcusable.). In 1948, WTTG started broadcasting the home games of the Washington Senators from Griffith Stadium. (And here we are 36 years later, and the Senators are still playing games, howbeit not in the stadium.)

John Combs is working on a big project: indexing every active television station and translator on a home computer. (Tom Yingling is doing something like that, also.) John wants to know where to get coordinates for all these stations. Unfortunately, the Television Factbook, while listing translators, does not give their coordinates. But the Department of Commerce's National Technical Information Service, provides microfiche. If anybody in the WTFDA needs current information on a few stations, such as antenna height, power, or coordinates, I will be glad to help. If you would like to get a microfiche list from the NTIC (AM stations; FM stations; TV Broadcast stations; TV Translator stations; plus many other lists), let me know.

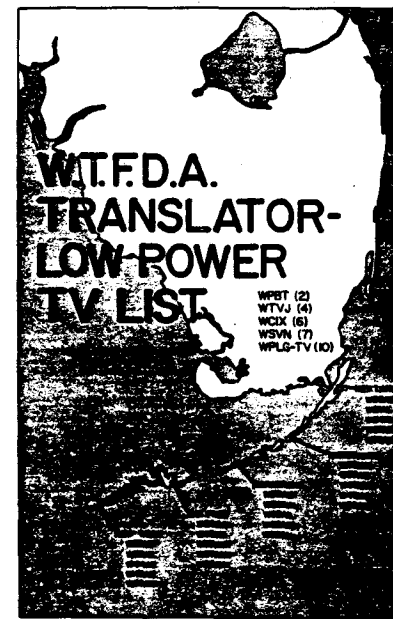
A short note from George Mileon, in Lynn, MA. WQTV, ch. 68 in Boston, dropped FNN and is now showing old syndicated programs during the day. WSTG, ch. 64, still on only a few hours during the day.

Steven Sprachman saw the 1984 TV Factbook in his local library. It lists the proposed changes in WHHT, ch. 68, and WSNL, ch. 67, in the New York area. WHHT's coverage should expand, while WSNL's will be reduced. He also included some clippings from the New York Times on television in Iraq and Israel,

which I will save for next month.

While everybody has been asking, "Where's the beef?" I found where it was: in my mailbox. I received a report from the CATO Institute, dealing with cable television, and they are steaming mad about cable TV regulation. According to a study, done by Clint Bolick, "This dynamic medium has been subject to the most pervasive regulation at every level of government of any medium in American communications history." Cable TV is looked on as a "natural monopoly," since nearly every community allows only one cable company to operate within its borders. This results in heavy regulation by local governments to minimize the harmful effects of a noncompetitive situation. But is it really a monopoly when it has to compete with MDS, DBS, SMATV, STV, and other current trends in the video market? Meanwhile, municipal regulations result in higher costs, and services which the subscribers don't really want.

COMING SOON TO A DX CLUB NEAR YOU!



The WTFDA TRANSLATOR-LOW POWER TV LIST is now being worked on. Many of you have had questions about translators which I have been unable to answer because of outdated information.

This will be the latest word in translators. If it isn't listed here, it isn't translating. The list will include ERP visual, primary station, input channel, source of signals, construction permits. IPTV licenses and permits are also included.

# WESTERN TV-DX

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

Deadline: 6-8-84

June 1984

All indications are that the DX season has not yet started in the western states, at least not in the northern half. Even though the weather has finally become what might be called seasonal, the expected improvement in tropo conditions apparently has not occurred, and certainly has not occurred at this QTH.

I have in recent days noted what was likely Es, including a few minutes of Spanish on channel 2, but nothing that could be identified. I assume there will have been some good openings by the time this is read, so send in those reports!

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

Ronald Purdue - Route #1, Box 224, Byron, MN 55920

CDT

Equipment: RCA 1982 XL-100 color, J.C. Penney 5" b&w portable, Winegard CH-7084 with Winegard AC-4990 pre-amplifier at 28' above ground level.

February 1984	9 tr 1611 KELO 11 SD 217	18 tr 2021 WLRE 26 WI 222
7 tr 1547 WLRE 26 WI 222		23 tr 2133 KCBR 17 IA 178
1630 KMEG 14 IA 222	March 1984	2134 KYNE 26 NE 257
1633 KCBR 17 IA 178	16 tr 1515 WXYZ 32 WI 219	25 tr 0728 WSCO 14 WI 219
1637 KSFY 13 SD 217	(New station - 20 kHz)	0733 K14AD 14 IA 69
9 tr 1602 KSFY 13 SD 217	18 tr 2019 WSCO 14 WI 219	(Decorah KYIN-24)

Sorry for the late report! It looks like DX is off to another "slow" start again this year, with below normal temperatures for the latter part of April, and with a snowstorm in progress as I write this. (We might be heading into another "Ice Age"!)

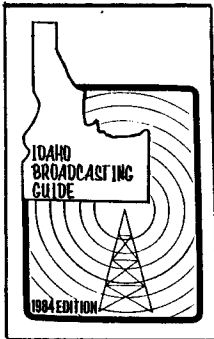
It looks like L.E.O. Broadcasting did not renew their CP for KXLT-47 in Rochester. Instead, L.E.O. filed applications for three LPTV channels in Rochester.

Last month, I bagged three new stations in Iowa and Wisconsin. It looks like WXYZ-32 in Appleton, Wisconsin is very hard to watch, here near Byron, during tropo openings! WSCO-14 in Suring, Wisconsin is even more difficult to watch during the best tropo opening!

In regard to the comments you (The editor. fm) made in the March VUD about my Radio Shack Color Computer 2 interference troubles, it does create quite a QRM problem, primarily from channels 2 - 6, with less of a problem from channels 7 - 13. Some computer magazines give useful hints on shielding, etc. (I wonder if anybody in the club can give me useful ideas?)

I hope that next month the DX will start rolling in, but I doubt it! So, see you in 30 and Good DX!

(Nice going with the new loggings! Let us know if you find any good fixes for computer interference to television. Also, are you sure about KXLT-47's CP being canceled? My latest information is that they have filed for a modification to the permit for 45.6 kW and 340' HAAT at a new site. fm)



The first edition of the IDAHO BROADCASTING GUIDE is now available. The guide is a 30 page booklet covering the AM, FM and TV stations of Idaho.

Information contained consists of call letters, frequency, power, format, network, schedule, address, phone number and owners. Each station section is followed by station location maps and also included are two cross reference sections, one by call letters and one by frequency.

The guide is available for \$3.40 inside North America and for outside of North America send 13 IRCs. Prices include postage and handling. Make checks or money orders payable to Frank Aden, Jr. Send to PO BOX 66352, Portland OR 97266 USA.

# QSL CORNER

TV-QSL

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



COLUMBUS TELEVISION, INC.  
P.O. BOX 12289-6140 BUENA VISTA ROAD  
COLUMBUS, GEORGIA 31906  
404/561-3636

January 24, 1984

Jim Pezsi  
P.O. Box 1778  
Lovington, N.M. 88260

Dear Mr. Pezsi:

It is our belief at WLTZ that you did in fact, receive our station signal in New Mexico. You were correct that on the date and time specified, we were televising the program, "Kang Fu."

We at WLTZ like to believe our signal carries to Lovington, New Mexico - let's see our W9W competition beat that!

If I can be of further service, please feel free to contact me here at WLTZ, "Powerhouse of the South!"

Sincerely,

AC Bartlett  
Operations Manager

RB/ps

This month is all tv qsl with copies of the verification-letter. Since my supply is low this month is just TV QSL copies. 1st one is:

WLTZ-TV channel 38 Columbus, GA. address is: P. O. Box 12289, 6140 Buena Vista Road, Columbus, GA 31995. Letter from R.C. Bartlett, Operations Manager. reporter: Jim Pizzi! Not bad catch!! Just about 1000 miles.

2nd qsl copy is: WPDS-TV channel 59 Indianapolis, IN. address is: 1440 N. Meridian St., Indianapolis, IN 46202. Letter from Jim Borgioli, Dir. of Eng. reporter: Nathaniel Ely 3rd qsl copy is: KXTX-TV channel 39 Dallas, TX address is: 3900 Hines Blvd. P. O. Box 19307, Dallas, TX 75219. Letter from Roger Baerwolf, Vice Pres. & Gen. Man. reporter: Nathaniel Ely Not bad catch again!! at 820 miles

I hope these copies come out okay when printed. Next month copies of PM QSLs. I hope some more items are sent in soon, as I am very low on items to type up. Remember you can send me your qsl & I will send back. 73!  
You will not loose your qsl!



March 20, 1984

Mr. Nathaniel Ely  
1237 East Johnson Street  
Madison, Wisconsin 53703

Dear Mr. Ely:

Please let this letter serve as verification of the fact that you were able to receive our signal. I am in the process of laying out some QSL Card Formats so that I can have them printed. With having to deal with all the little problems that arise with putting a new station on the air, I haven't been able to devote as much time to the more pleasant tasks as I would like.

Here is some information about our station:

Coord:	Xatx	Lat 39° 53' 12"
		Long 86° 12' 7"
	Studio	Lat 39° 47' 11"
		Long 86° 9' 27"

Transmitter:	RCA TPU-110C	Output Power Visual 110 KW	Aural 11 KW
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Antenna:	RCA TPU-25C Omnidirectional w/radome
Ant. Specs:	Ht. 44h'
	Wt. 3.4 Tons
	Gain 25

Tower: 980'. Solid steel legs, triangular X Section 7h' Face

Our ERP is 2,090,000 Watts Visual  
209,000 Watts Aural  
Ht. above average terrain is 1028'

As soon as I get cards printed, I will send you one.

Thank you for your interest.

Jim Borgioli  
Director of Engineering

JB/ban



October 27, 1983

Nathaniel Ely  
1237 E. Johnson St. #2  
Madison, WI. 53703

Dear Mr. Ely,

The programming that you have described in your letter is our lineup at that time. Thank you for your letter and we hope that this will help to confirm the reception that you received on July 7th.

Sincerely,

Roger Baerwolf  
Vice President & General Manager

Is

# EASTERN TV-DX

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

June 1984

Deadline: 1st

It looks like E-skip has made it's return for the '84 season even in the northern latitudes. Tropo activity seems to be going nowhere though with all the rotten weather. Something else that has returned is John Combs. Welcome back!

John F. Combs; 2485 Ivan Ct., Orlando, FL 32807 EST

April 1984	April 1984	April 1984
6 Es 1810 unid-2	15 Tr 0845 W27??-27 FL 78	20 Tr 0754 WVL-4 LA 536
1820 WDIV-4 MI 967	W56BG-56 FL 55	New Orleans
Detroit	Es 1915 chs.2-4	WVUE-8 LA t
1829 WSTM-3 NY 1033	1950 unid-4 SS	WLBZ-3 MS 597
Syracuse	18 Tr 2325 WXGA-8 GA 198	Jackson
Above logged on my lunch break at work!	WJHG-7 FL 279	0757 KLTJ-18 LA 716
7 Es 1810 KDFW-4 TX 973	WMBB-13 FL 266	Lake Charles
Dallas	2337 WTVY-4 AL t	0806 WGNO-26 LA 531
1825 KGBT-4 TX 1028	19 Tr 0637 WFSU-11 FL 235	New Orleans
Harlingen	WHDH-18 AL 303	0817 WLPB-27 LA 609
1826 KKAS-5 TX 973	Dothan	Baton Rouge
Ft. Worth	0639 WECA-27 FL 223	0820 Unid-39; no idea
1833 KTVY-4 OK 1063	Tallahassee	0826 WMAH-19 MS 484
Oklahoma City	W29AB-29 FL 72	Biloxi
1858 KPRC-2 TX 861	WKAB-32 AL t	0827 Unid-42
Houston	0640 WTWC-40 FL 224	2330 WTSG-31 GA 245
1900 KIII-3 TX 996	0641 W49AI-49 FL 78	2336 WFBZ-2 FL 193
Compus Christi	0642 WLTZ-38 GA 343	Miami (thru local)
Tr 2005 WMBB-13 FL 266	0644 WJHG-7 FL 279	2337 W2LAB-21 FL 97
Panama City	WMBB-13 FL 266	2339 WJCL-22 GA 240
2016 WFSU-11 FL 235	WFSU-11 FL 235	(Probably more to N & NW but strong S. FL stuff in the way.)
Tallahassee	WTVY-4 AL t	21 Tr 0614 WIS-10 SC 384
2039 WJHG-7 FL 279	0700 WALE-10 GA 245	0617 WSAV-3 GA "
8 Tr 0654 W27??-27 FL 72	0700 WTVM-9 GA t	(Still using the same old round TP that they've used ever since I've DXed)
(WTOG-44 xltr)	0743 WAEW-14 GA 244	0624 WJCL-22 GA 240
W49AI-49 FL 78	Pelham	0637 WGXG-24 GA 319
(an IPTV, but also relays WOFL-35)	earlier!	0641 WJWJ-16 SC t
14 Tr 2200 W27??-27 FL 78	20 Tr Wish I'd been up earlier!	0642 WJWA-27 SC t
W29AB-29 FL 72	0752 WNOL-38 LA 5307	0651 WMAZ-13 GA t
W56BG-56 FL 55	New Orleans	0653 WNGT-41 GA 319
(WESH-2 xltr)	WFBZ-33 LA 609	0657 WVGA-44 GA t
15 Tr 0840 WLRN-17 FL 193	Baton Rouge	
Miami	0754 WFSU-11 FL 235	
0845 W2LAB-21 FL 97	W49AI-49 FL 78	
(WTOG-44 xltr)		

The prodigal DXer returneth! Actually, I had never totally abandoned interest in the hobby; I merely had to give up my all-consuming passion for it as it was taking up so much of my time. I stopped keeping logs and totals, had no antennas all up for several years, and made no organized attempt to monitor conditions. From time to time, I would stumble upon an Es opening and watch for a short while to see if I could I.D. anything, but that was about the extent of it. I'm getting back into DXing now, but on a much more limited scale. I'm now married, to a medical technologist, and have to consider her sensibilities and needs more than my own. If and when I have free time I will check conditions and see if I can make some loggings, but I have nowhere near the time or money to devote to DXing that I did in my younger days. So if you were in on a boffo opening, and don't see any loggings for that date in my report, you know why.

I have started my log and totals over again from square one due to the lapse of several years. I only have rudimentary equipment right now; a large VHF log (think it's an old Radio Shack model) up at about 20' and a 4 bay UnF at about 25'. I do not have a rotor yet, which does tend to make things fun (currently using the time honored "Arm-strong" method for turning the antennas). The only decent receiver I currently have is a 5" B&W (try photographing off of

Eastern TV-DX

Combs; continued---

June 1984

that!). Still, I have been blessed with some good loggings in the early stages of my "revival" to-wit.

Forgive me if some calls may be old ones...I am just starting to gather updated information. I'm using a Commodore 64 to keep logs and calculate distances (and for many non-DX purposes, too!). Don't have an exact distance on WNOL-38 and I do not have their coordinates. Nothing like that good Gulf tropo to stir up interest in DX again! Had some good tropo to SC area a few weeks ago, but loggings would be rather dated by now, so I started more current.

W.P. Townshend; 4500 Conn. Ave. NW, Washington, DC 20008

April 1984	April 1984	April 1984
2 Tr 2330 WHRO-15 VA	2 Tr 2332 WEOC-16 MD	2 Tr 2330 WCPB-28 MD
		WMDT-47 MD

Good signal on WHRO-15 in Tidewater, VA (Norfolk). A program on acid rain was being aired.

William W. Munsil, N7AQU Ham TV, P.O. Box 906, Yarnell, AZ 85362

Just got a sample VUD. Thought I'd drop you a note and let you know about ham TV. Live UHF TV below ch. 14. Our guys are running live TV between 420 and 450 mhz. Also 1.2 & 2.3 ghz. (Hope you join the club Bill, we need some more reports from that part of the country.--wd)

George Rogers; 320 Lafayette Rd., Chickamauga, GA 30707 EST

Here is my report for the Eastern TV-DX column. The Es season has started early down here with good openings to Texas on the 6th and to the Midwest on the 11th. Equipment: 12" Zenith portable No.4 RT-120-Y and 1977 Radio Shack VHF-UHF roof antenna.

March 1984	April 1984	April 1984
6 Es 1200 XEFP-2 NL 1000	6 Es 1045 XMPB-2 NL 1000	11 Es 1439 KUSD-2 SD 950
Montarrey	to KMID-2 TX 950	KIVV-5 SD 1175
(was on ch.3)	to KGBT-4 TX 900	KPI0-6 SD 1130
9 Es 1010 XHPM-2 CHIS	to KRGV-5 TX "	KSRE-6 ND 1170
11 Tr 1025 WBSO-29 KY 160	1300 XEPM-2 CHI 1100	to KDLT-5 SD 975
1040 WCAV-30 TN 129	1828 KPRC-2 TX 675	(now NBC)
1055 WFTZ-39 TN 98	KMOL-4 TX 865	WDAY-6 ND 1005
12 Tr 0925 WTVK-26 TN 111	to KENS-5 TX "	(now ABC)
0940 WKCH-43 TN "	KJAC-4 TX 580	KGFE-2 ND 1030
0945 WGRB-34 KY 215	XHRIO-2 TAMP 1000	1528 KKJB-4 ND 1005
Es 1205 XEIN-4 COAH	KDEC-4 TX 1100	CEWT-6 MB 1220
1230 XEFP-2 NL 1000	2040 XBT-6 NL 1000	1547 CEWT-2-4 MB 1200
14 Tr 0810 WMAZ-13 GA 198	7 Es 1200 KWGN-2 CO 1050	1550 Colorvision-2 DR
0815 WLTZ-38 GA 224	1801 XHPM-2 CHIS 1100	Santiago 1400 ml.
0820 WGYA-24 GA 198	1830 XEFP-2 NL 1000	1724 XHAI-5 VER 1130
0825 WATL-36 GA 113	1845 KGBT-4 TX 900	1726 XHGL-4 VER 1150
0845 WTTD-21 AL 145	1910 XHRIO-2 TAMP 1000	14 Tr 0830 WGNX-46 GA 113
0915 WDWL-15 AL 177	1926 XHZ-5 QUE 1200	(ex-WANX)
0930 KBSI-23 MD 335	11 Es 0830 XEW-2 DF 1300	0840 WETV-30 GA "
0935 WZTV-17 TN 129	1120 XHPM-2 CHIS 1100	0845 WATL-36 GA "
1100 WZTA-40 AL 110	KWGN-2 CO 1050	17 Es 1620 XHPM-2 CHIS
28 Tr 0805 WVTM-13 AL 145	KOAA-5 CO 950	22 Tr 2120 WBR-10 TN 111
0910 WTTD-21 AL "	KCNC-4 CO 1050	2140 WKCH-43 TN "
0915 WEMA-40 AL 110	to KRMA-6 CO "	2145 WTVK-26 TN "
0920 WBMG-42 AL 145	KYCU-5 WY 1110	
Es 0925 KMID-2 TX 950	KDUE-4 NE 1120	
31 Es 1725 XEW-2 DF 1300	KMNB-6 NE 1000	
1745 XHTV-4 DF "	KSNB-4 NE 950	
	KHAS-5 NE "	
	KNOP-2 NE 1000	
	KPRY-4 SD 1110	
	(now ABC)	
	1435 KLNE-3 NE 980	

April 1984

3 Tr 1725 WDIQ-2 AL 305	
1729 WTVY-4 AL 317	
5 Es 1910 TR-2 Cuba 900	

how I can obtain a book of the addresses of all the TV stations in the U.S. Canada and Mexico and how much it would cost. Heres to a good Es season. (Bill Fahber answered your question in the May VUD. I can't think of any more to add to it.--wd) It's nice to have John Combs back even though he's married and has less time to DX. Perhaps, in a few years, after the novelty of his marriage wears off, the cartoon on page 35 of the Mar. 1973 VUD may best show his interest in DXing. Hil-wd.

My best logging this time was Colorvision-2 from the Dominican Republic on which I heard their L.D. in a program promo on April 11th. I am starting to verify more stations this year and I would like to know

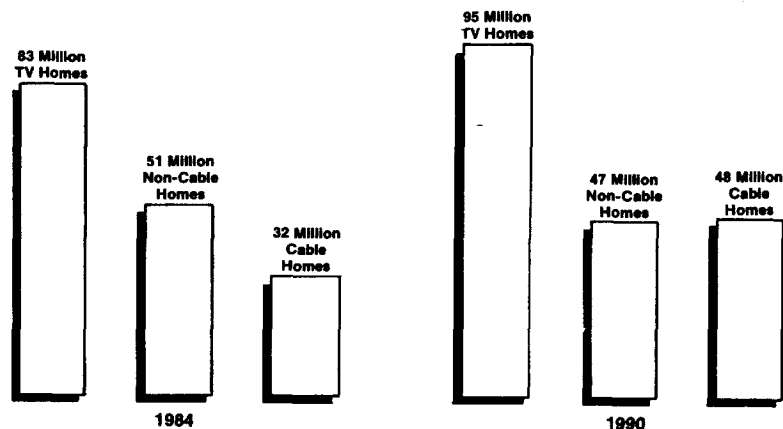
# ANTENNA NEWS

Doug Dornbos  
3009 Port Sheldon  
Hudsonville, MI 49426

June 1984

Dear Fellow DX'ers,

I just received a report from Channel Master as to the current marketplace in the antenna industry. I will try to capsule their findings. Shown below are bar-graphs of the antenna business as it stands now and a projection for 1990. A tabulation of the data follows in table form.



	Total TV Households	Cable Homes	Homes Passed By Cable	Homes Not Buying Cable	Homes Not Passed By Cable
1984	83 million	32 million	62 million	51 million	21 million
1990	95 million	48 million	81 million	47 million	14 million

The reason that these figures are important to us as DX'ers is that they show a continuing market demand for antennas thereby insuring that product at reasonable prices will continue to be available for many years. Those of you who recall my first few columns might remember my picture of gloom and doom for the antenna industry. Although they are not experiencing the rapid growth they once did, the above forecasts are quite welcome news.

## MAGAZINE ARTICLES \* ADDENDUM TO LAST MONTH

International Conference on Antennas & Propagation	Wireless World	Mar 78
Designing a Vertical Antenna	QST	Sep "
Station's Customers To Get Antennas	Electronics	Nov 9 "
Human Arm Makes Good Antenna	Machine Design	Nov 23 "

## CARTER'S SECOND HALF

Antennas	Audio	Jan 79
New Heavy Duty 2-Speed Antenna Rotor	Popular Science	Feb "
BIC FM-8 Beam Box Antenna	Stereo Review	Mar "
Effective Length of Ferrite Rod Aerials	Wireless World (Dec 78)	" "
TV Antennas	Consumer Reports	" "
Accurate Low-cost Antenna Elevation System	QST	Jun "
Antenna Matching Quiz	Popular Electronics	" "
How-to Choose/Install an Outdoor TV Antenna	Popular Mechanics	" "

Antenna News

Page 2

June 84

## Magazine Articles 1979-80 (cont)

On Top of the World Atop World Trade Center	New York	Jun 4 79
Restore Your Old Antenna to Like-New	Popular Mechanics	Jun "
Sound & Pix Out in the Stix;RV's	Mechanics Illustrated	" "
RFI and the Nickel Fix	High Fidelity	Jly "
Scanner Beam Pinpoints the Action	Popular Electronics	Aug "
Antennas;Boats	Motor Boating & Sailing	Oct "
Better Results w/ Indoor Antennas	QST	" "
Tri-Band Monitor Antenna	Radio-Electronics	Jan 80
MI Lab Test Report:TV Antennas	Mechanics Illustrated	Mar "
Rotatable TV RCA Mini-State Antenna	Radio-Electronics	" "
TV or not TV...It depends on Your Antenna	Cons. Research Mag.	Apr "
8 Ways to Beat TVI	Popular Mechanics	Jun "
Antenna Amplifiers	Cons. Research Mag.	Jly "
TV:Coax vs. Twin-lead	Radio-Electronics	" "
Making a Reliable Vhf Antenna	Motor Boating & Sailing	Aug "
Put a TV Antenna In Your Attic	Family Handyman	Oct "
Alliance HD73 Heavy Duty Rotor	QST	Dec "
How to Locate Faults In Coaxial Cable	Radio-Electronics	" "
Rooftop Antennas for Better TV	Changing Times	" "
Two Marine TV Installations That Work	Motor Boating & Sailing	" "
Kill FM Interference With 2 Antennas	Audio (out of sequence)	Jan "

## FOR SALE

Although the VUD has the Station Break column for listing used equipment for sale, the following is a special case. From time to time I run across a party who has a bunch of oddball stuff they couldn't sell locally. Listed below is such a bunch. It is all new and in the original boxes unless noted. I don't really feel that it is an advertisement as such since it is not intended to make a profit for anyone, it is without a doubt a losing situation for the seller. If you want any of it, just mail me a check and indicate what it is that you want and I'll ship it to you.

Qty.	Model #	Description	Original Retail Price/New Price
2	AC9260	75 ohm Winegard Chromstar Preamp for channels 2-6 includes power supply. Does not include housing.	\$78/\$19.00
2	AC9730	as above except for channels 7-13	\$78/\$19.00
1	AC9130	as above except for all Vhf (2-13 plus fm) low noise-high gain	\$78/\$25.00
2	AT1000	Winegard Directional Indoor Antenna (20/20 series) (Vhf-Uhf does not work well on fm)	\$39/\$18.00
5	AT2000	as above but includes rotor	\$89/\$28.00
1	AT5000	AT1000 with lampole style mounting fixture Box has been opened but everything's there	\$45/\$19.00
10	CF2300	Winegard Chromstar Vhf Terminal Boards - 75 ohm	\$7.50/3.50
10	CF8300	as above except Vhf-Uhf	\$10.75/4.50
1	FM340	Winegard Indoor 300 ohm FM Booster (120 volts)	\$40/\$15.00
1	FM3400	Improved Version of above	\$4 /\$18.00
7	FM2400	Winegard Indoor FM Antenna (NOT amplified) 75 ohm	\$43/\$19.00
1	HPF-54	Winegard High-pass Filter - 75 ohm filters everthing below chan. 2	\$21/\$9.00
1	LS475C	Winegard 4-way 75-ohm splitter	\$23/\$10.00

## Sale Equipment (cont.)

- 2 VC7500 Winegard Converter 75 ohm converts Vhf low-band, mid-band, high-band, and super-band all to Uhf frequencies \$104/\$35.00
- 2 CA5030 RMS Vhf 75 ohm 4-way distribution amplifiers 10db gain \$36/\$14.00
- 1 4283-2 Jerrold 300 ohm preamp rebuilt in sealed package with power supply no specs available \$15.00

The seller will pay shipping charges on all items! Such a deal.

If you want any more details, I have specs on most of this stuff.

## MORE PREAMP THEORY

Last month we discussed noise figure and gain specifications of preamps. This month we will discuss maximum input and passband.

When turning up the volume on a piece of audio equipment (a portable radio for instance) you reach a point where the sound is quite loud, but any further increase of the volume control results in a great distortion of the sound. This is the point where the amplifier section in the radio has received its' maximum input. To get even more basic think of this: When pouring water from a coffee can into a pop bottle a point is reached where if you poured any faster, water would start to spill over the edges of the bottle. This is the point of maximum input. Where does the surplus water go? Wherever it wants! Such is the case with preamps. At a certain signal level, the amplifier has taken all it can take. Any more signal goes wherever it wants to, almost always in the form of a distorted signal. If you have for instance a strong local channel, it may overload your amplifier to a point where its' picture shows up on several other channels. Not good! Coupled with other strong tv/fm signals, are all the strong signals that are not even in the band of frequencies you are receiving: PSB, Shortwave, Ham, BCB, CB, etc. These signals too can cause overload if they are allowed to enter the preamp. For this reason, the band of frequencies which a preamp will pass is usually specified ie. Vhf only, Vhf Hi-band only, FM only, etc. What would be the cat's meow would be to have an amplifier allowing only that signal through which you are trying to receive at the moment. Dream on! The next best thing is to use a preamp with a very high maximum input and with filters built in to take out all non-TV/FM signal before it reaches the amplifier circuitry. The problem with trying to compare different amplifiers with each other in these areas is that there is no standard way by which manufacturers rate their products. For instance, if a manufacturer states that his product's maximum input is 56,000 microvolts, does that mean you can have 1 channel present with that amount of signal or can you use the product if you have 5 local channels with 56,000 microvolts each? As far as the passband goes, if a manufacturer has a preamp designed for channel 2 and up, how much 6-meter ham signal does it allow through? Does it attenuate it 2db or 20db? These are for the most part unanswerable questions although the engineering departments of the various manufacturers can often tell you. Another thing, do you really know how strong your local signals are? Probably not. Anyway, it still pays to look hard at the specs presented in the catalogs although I wouldn't hold them as gospel. As a point of interest, the Channel Master Spartan 2 series of preamps all have strong trapping for all out-of-band signals and the maximum input figures shown allow for 2 channels to be that strong or 5 channels of half that strength. Also, many preamps have optional (switchable) FM traps built in with some of them also being tuneable to zero in on a particularly bothersome local channel.(station)

Next month we will discuss the rest of the typical preamp specifications. For people who DX with a Sony Walkman, check out the magazine article listed this month on human arms as antennas. Wierd. Thanks for reading. *Doug*



Bruce F. Elving, Pl.D., Editor  
4515 Avenue "E"  
Kearney NE 68847

## New

ME Houlton WRNE \*89.1 on every day 7 am to 10 pm. Did not delete when Ricker College folded, but "the station is still alive and is now run by Houlton High School. Station manager is Jim Rothford and the station is still a mighty 10 watts. Format is a mixed bag, high school mid-math." I am checking out several 10-w stations believed to be deleted. The fate of higher-power KSTI \*90.1 Springfield SD is in question, as the U-SD at Springfield closes at the end of this school year. See "Deletions" OK Madril KWAD-FM 102.3 3000 h.v., 230' MEXICG Ciudad Obregon XHFL \$, Lm 90.5 25-000 end XHHB 94.7 mono L [Mexico info. is courtesy John Jefferson]

## Slogans, NonIDs

IN Hammond WYCA 92.3 Praise 92, 10s with Chicago 11, MI Novi W0V1 \*89.5 Wo-Vi, 50-70s r NY New York WPLJ 95.5 Hit Radio 95 OH Cleveland WLTF 106.5 106s OH Toledo W10T 104.7 The Rocker-104 OR Portland KKRZ 100.3 2-100, r PA Harrisburg WSWF 99.3 WS-FM99 PA Nanticoke WMLW 92.1 Music-92 SD Sisseton KBWS 102.9 B-103 (seems strict) PR San Juan WZNT 93.7 Zeta 93, simulcast on WA-EL-FM 96.1 Mayaguez, except WZNT is Stereo and WAEL-FM is monaural, middle of road. Off the Air WA Seattle KRAB \*107.7, hoping to return to an educational frequency; 107.7 to be commercial. PR Arizona WN1K-FM 106.5 PR San Juan AFCC \*90.5

## Deletions

CA Happy Camp K280BK 103.9 (same station as K280BK \*103.9 Cave Jct. OR-Happy Camp CA) CA West Sacramento KWHS \*91.7 CO Colorado Springs KAFK \*89.7-telephone operator had no listing for and Base Command had no knowledge of ID Pocatello K8GL \*89.5, deleted several years! IA Cedar Rapids KWWR \*88.9 KS Cedar Bend KBJC \*91.9, off air four years! MA Newbury W0LL \*88.7 deleted seven " 1 NY Dix Hills WHH \*88.9 SD Garden City KEJA \*89.3, replaced by KOSD-FM \*90.9 Pierpont-Aberdeen. Now, Fred McCormack, you won't have to try for KEJA! SD Springfield KSTI \*90.1-college folding, and station turning in license. TX Brownville K280AY 103.9 (presumed deleted; "no longer operating"; primary station on 100.3 in Brownville now KTXF (X-KOUV). VA Lynchburg WWLC \*90.3. MEXICO San Luis 106.3. Most of these from calls to schools of stations believed deleted; may be more next mo!

## SCA---67 kHz

CA San Francisco K101 101.3 1X [translators] KEAR \*106.9 music (and on all their/ Ks Hays KJLS 103.3 1X (dropping music) MD Ocean City WQHQ 104.7 no SCA (was music) NY New York WLTW 106.7 1X (Dataspd); as on KLVE 107.5 Los Angeles, KQED-FM \*88.5 San Francisco; WBMX 102.7 Oak Park IL. PA Blairsville WCQO 106.3 1X SD Pierpont-Aberdeen KOSD \*90.9 and Rapid City SD KBHE-FM \*89.3 have MN Talking Book SCA VA Norfolk WNVZ 104.5 no SCA PR Aguadilla W1VA 100.3 music PR Bayamon WXYX 100.7 music (same as on W1VA and WZAR 101.9 Ponce) PR Fajardo WDOY 96.5 1X PR Guayama WSRa 106.9 1TM (WXR-FM) DR Alto Bandera H1LR 105.5 sports and special events (occasional audio)

DR Santo Domingo H1JP-FM 95.1 (not 94.97) has H1JAPM 6 am to 11 pm daily, 1TM DR San Domingo H1XZ 99.5 music DR San Francisco H1B1 101.9 (given as 102.3) sports and special events (occasional audio)

## FMistakes (FM Atlas errors)

BC Penticton p. 64 should be in bold face NS Sydney, p. 67, should be in boldface.

## Facilities' Changes

AK Petersburg KFSK \*100.9 2000 h.v.; 480' CA El Cajon KECR 93.3 1800 h.v.; 1885' CA Sacramento KSKK 105.1 500' (50000th,v) CO Boulder KBCC 97.3 100000 h.v.; 1550', directional antenna (into Rockies?) CT New Britain WRCH 100.5 10000 h.v.; 1105', reduces coverage to 31, 70 miles FL Cocoa Beach WCKS 101.1 1600' (100000) FL Havana WHFL 104.9 1100 h.v.; 460', m. FL Pensacola WJLQ 100.7 1600' (100000th,v) GA Newnan WRNG 96.7 700 h.v.; 560', reduces coverage to 14, 44 miles IL Freeport WXXO 98.5 50000 h.v. (400') IL Springfield W0NA \*88.3 800 h.v. (95') (800' CA San Diego City KBUF-FM 97.3 100000th,v; / KY Erlanger WHKK 100.9 1270 h.v.; 470' LA Slidell WAIL 105.3 940' (100000 h.v.) ME Portland WMGX 93.1 470' (50000 h.v.) ME Waterville WWHB \*90.5 110 h.v. (90') MI Detroit WJZZ 105.9 22000 h.v.; 725' MS Laurel WNSL 100.3 100000 h.v.; 460', m. NY Babylon WSAB 102.3 3000 h.v.; 235', reduces coverage to 21, 68 km NY Brooklyn WKRB \*103.1 (from 90.9; this time it must be for real!); has Stereo NY Poughkeepsie WPDH 101.5 4400 h.v. (15400' NC Salisbury WRDX 106.5 100000th,v; 1000' OK Oklahoma City KATT-FM 100.5 1190' (100000 h.v.) TN La Follette W0LA 104.9 900 h.v.; 565'; k TN Nashville WZEZ 92.9 75000 h.v.; 1050' TX Brownwood KPSM 99.3 800 h.v.; 450'; adds Stereo; rocks TX Diboll KIPR 95.5 100000 h.v.; 520' TX El Paso KEZB 93.9 96000 h.v.; 1210' TX El Paso KAVA 95.9 190 h.v.; 465' TX Gimer KNIF 95.3 1000 h.v.; 500' TX Mc Kinney KMMK 95.3 165' (3000 h.v.) TX San Marcos KEYI 103.5 1265' (100000th,v) VA Bluefield WBDY-FM 106.3 220 h.v.; 1120' WI Manitowoc WQTC-FM 102.3 (from Two Rivers WI) WI Stevens Point WWSF \*89.8 3600 h.v.; 230' PR Aguada WRFE 105.5 3000 h.v. (980'), coverage 25, 60 miles for PR Class A, compared with 15, 46 for domestic Class Aa.

## Call Letters

AL Tuscaloosa 95.7 WFFX (WUOA) AR Conway 92.7 KTOD-FM (not KTOD) CA India 92.7 KCMJ-FM CA Visalia 92.9 KNTN (KONG-FM) 97.1 KSED GA Dawson 92.1 WAZE (WHIA), rock HI Hilo 94.7 KWXX HI Honolulu 98.5 KHHH [translators] HI Kailua 96.3 KRTR (KSHO-FM); affects / HI Lahaina 93.5 KP0A [CFJC] HI Pukalani 98.3 KMVI-FM; 1BC Merritt 99.5 HI Boise 105.9 KCIX HI Idaho Falls 103.3 KFTZ HI Mount Zion 99.3 WXXM (WLVO) HI Paonia 105.7 W0TF (WNWT) IL Woodstock 105.5 WXET (WXR-D) IN Kendallville 93.3 WBTU (NAWK-FM) IN North Vernon 106.1 WINN (WNVI-FM) IN South Bend 101.5 WNSN (WTHQ) IA Oskaloosa 104.9 KOSK (KBOE-FM) IA Okdale 104.9 KICR-FM (KGBM-FM) LA Tioga 98.3 KISY MN Golden Valley 92.5 KQRS-FM (KORS) NC Asheville 92.3 WRLT (WCSE) OH Cambridge 96.7 WCMJ (WLE-FM) OR Cave Junction 102.7 KIVF-FM (not KIVR) TX Childress 95.9 KOAI TX Dallas \*90.1 KERA (not KERA-FM) TX Greenville 93.5 KGVJ-FM (KIKT) TX Mexia 104.9 KYCX-FM (KYCX) WA Moses Lake 99.3 KDRM (KSEM-FM) WA Yakima 99.3 KAJR) WV Buckhannon 93.5 WBTO WI Wausau 107.9 WYCO (WXCO-FM) WY Evanston 106.3 KDTB PR Ponce 101.1 WMTT VI Charlotte Amalie 100.3 WSTX-FM

## Formats/Networks

AL Anniston WHMA-FM 100.5 beautiful music. AL Clinton \* WEZZ 97.7 k[country music] AL Demopolis WMAN 106.3 k AL Sheffield WBTG 106.3 Mutual AL York WSLY 93.1 [rock] AZ Bisbee K2MK 92.1 r [mono. AL Bullhead City KRHS-FM 102.7 Mutual, / Sierra Vista KTAZ 100.9 k AR Clarksville KLYR-FM 92.7 r AR Clinton KHPQ 92.1 r AR Harrison KCWD 96.7 E (ABC-Entertain.) AR Paragould KDXY 104.9 kr Pine Bluff KADJ 94.9 k Harrison KH02-FM 102.9 S (AP Audio) Wynne KMYN-FM 92.7 rm CA Arcadia KXGO 93.1 r[rock] KAHs -95.1 r

Big Bear Lake KTOT 101.7 k[country] Thousand Oaks KNJO 92.7 rm; UPI net. CA Walnut Creek KINQ 92.1 UPI network CO Eagle KGMJ 101.5 k, NBC CO Oak Creek KFMM 93.9 rp + translator CO Pueblo KCCY 97.9 k, KVUU 99.9 b, CO Steamboat Springs KSBT 96.7 rock CO Wray KRQZ 98.3 rock and country [r] CO Greeley KGRE 92.5 k [BC Vancouver] CO Montrose KWDE 96.1 rock [er CFRO] DE Georgetown WSEA 93.5 rock [102.2 pi] GA Camilla W0FF 105.5 rock GA Brunswick W0GK 92.7 k[country] GA Elberton WWRK 92.1 rock [NB Saint John GA Matter W0CS 104.9 rock [CB-FM 91.3] GA Springfield W0GC 103.9 [sp] [talk] GA Swainsboro WJAT-FM 98.3 rock GA Statesboro W0VS \*107.7 ABC-Enetwork ID Blountville KBLI-FM 97.7 rock ID Grandville K0RT-FM 92.7 k, Y (ABC Con) ID Orange City WZRO 98.3 k ID Pocatello KPBV 94.9 rm KRBU 102.5 beautiful music [b] IL Alton WZEN 100.3 k, 2-100 [PQ Quebec IL Clinton W0WF-FM 95.9 m [CKIK 98.9 b] IL East Moline WLLR 101.3 Mutual [Quebec IL Homer City WZRO 98.3 k [CBVE IL Galesburg WVKC \*90.5 Mutual [104.7 nt IL Godfrey WLCA \*89.5 U [news] IL Taylorville WTLJY 92.7 k [talk] IL Virden WRTV 96.7 km [SA Saskatoon IL Huntington WYSH \*91.9 UICHSK \*89.7 Indianapolis WJEL \*89.3 sr [classical and Lebanon WNON 100.9 k [ethnic] Muncie 104.9 to be b [-----] Rensselaer WLOI 97.7 rock KY Albany WANY-FM 106.3 rk



FCC-FM

KY Stanford WRSL-FM 95.9 k
LA Boyce KBCE 102.3 Z net. (Sheridan)
LA De Ridder KEAZ 101.7 k
Many KWLV 107.1 k
Natchitoches KDBH 97.7 Y net, mono.
Lesseville KVPV 105.5 k
Monroe KLAN 106.1 m, RKO network
ME Rockland WNCM (3.5 m) (The Entertainers)
MD Salisbury WKY2 105.5 b, NBC
MA Pittsfield WKY2 101.7 rock
MA Worcester WCHC \*89.1 UPI net
MI Bad Axe WLEW-FM 92.1 m, RKO Artesia
MI Gladwin WGMW 103.1 m, RKO RTA 92.9 m
MI Adrian WQTE 95.3 k, "Country 95"
MI Choboygan WQLZ 105.1 rock
Mount Clemens WLBS 102.7 rock
Highland Park WHPR \*88.1 mono st, talk
Tawas City WDBI 101.7 m
MN Hutchinson KDJZF-FM 107.1 k, Mutual
MN Sauk Centre KMSR 94.3 S (AP Audio)
MS Canton WZQX 101.7 rs (rock and soul)
MS Clarksdale WAID 106.3 rs; RKO network
MS Clinton WHJT 93.5 rock, S
MS Columbus WACR-FM 103.9 soul, Mutual
MS Greenville WBAO 97.9 b, (NM Mesilla)
MS New Albany WJZR 103.5 rock, Park KOPE
MS Wesson WCLL \*92.9 rock 104.9 k, CBS
NO Marshall KMFL 102.9 rock
Mountain Grove KLRS-FM 92.7 rock
Waynesville KFBD 97.7 rock
MT Billings KZLS 97.1 r (plus translators)
MT Great Falls KOGZ 106.1 b (plus "NY Albany
MT Lewistown KLCB 95.9 rock WHRL 103.1
MT St. Louis KBJY \*89.9 js Mutual network
MO Salta KMNR 100.1 I-ABC Information net
NE Hastings KEZH 101.5 no network (was S)
NY Manahawkin WJZR 100.1 Y (NY Hampton
NJ Mahwah WPRR \*90.3 S, Bays WWHB
NJ Ocean City WJLT 106.3 rs, 107.1 m
NJ Trenton WJFM \*89.1 cj, 105.1 soul music
NJ Vineland WKQV 92.1 rock and soul (rs)
NM Las Vegas KLTV 100.9 rock
NM Portales KNIT 95.3 country
NY Hudson Falls WNIQ 107.1 Mutual
NY Johnstown WSRD 104.9 rp, still mono
NY Kingston WFBG \*89.7 gospel
NY Lake Placid WLPW 105.5 CBS, mono
NY Oneonta WONY \*90.9 ABC-FM [mated.
NY Port Jervis WDLA-FM 96.7 m, going auto-/
NY Poughkeepsie WVKR \*91.3 pj, INC Halfhigh
NC High Point WWIH \*90.3 rock, WYYD 94.7
NC Morehead City WMBJ 95.9 r, Mutual 1 m
NC Murfreesboro WBCG 98.3 rock/HR Dover-New
NC Salisbury WNDN \*102.5 sr, Phila. WJER-
NC Tarboro City WKSM 104.9 k, IEM 101.7 m
ND Four Bears KRNA \*91.3 ethnic, OH Marietta
ND Minot KBQQ 99.9 rock, RKO WJBY 94.3
OH Bowling Green WBGU \*88.1 NBC cm, D net
OH Delaware WSLN \*89.7 pj (progressive & jazz)
OH Hamilton WHSS \*89.5 rock
OH Marion WDFI 94.3 rock
NC Bethaven WKJA 92.1 k (country and rock)
NC New Bern WSWL 106.5 rs
NC Wilmington WHQR \*91.3 P (NPR), S, on 6am to
12 or 1 a. m. daily. TX Wichita
OH Streetsboro WSTB \*91.5 RKO, Falls KLUR
OH Van Wert WERT-FM 98.9 UPI/93.9 k, not gk
OH Baker KBKR-FM 95.3 UPI VT Bennington
PA Danville WPGM-FM \*96.7 gh, WHGC 94.3 rock
PA Grove City WEDA 95.1 s, no network
PA Mechanicsburg WKCD 93.5 S (formerly T)
PA Montrose WPEL-FM \*96.5 gb (gospel, beautiful)
PA Slippery Rock WSRU \*90.1 mc
PA Stroudsburg WSBG 93.5 rock
PA Philadelphia WXIU 92.3 still m, not k as given in
VUD recently in one of the reporting columns
PA Philadelphia WPGB \*88.1 soul and talk (st)
PA Tamques WCRN 105.5 rock
SC Columbia WCEZ 93.5 RKO network
SC Gaffney WYFG \*91.1 S network (AP)
TN Martin WUTK \*90.3

WCMT-FM 101.7 rock, no network
TN Pulaski WMLG 98.3 k
TN Savannah WORN-FM 101.7 k
TN Summertown WUTZ \*88.3 p
TN Sweetwater WDEH-FM 95.3 k, no NBC
TX Brenham KWHI-FM 106.3 k, VA Front Royal
TX Cameron KCRM 103.1 rock WFR-FM 95.3
Dal Rio KLKE 94.3 k, m.
Graham KWKO 107.1 k
Grafarrus KPSO-FM 106.3 Spanish, k
Laredo KRRG 98.1 m WI Oshkosh WAHC
Llano KFOX 104.9 k 96.7 rock/WY Sheri-
Marshall KNHT-FM 103.9 m, dan KLWD 96.5 r
Palestine KYYK 98.3 k, mono apparently
Rio Grande City KCTM 103.1 k
Whitehouse KEYP-FM 99.3 r
UT Orem KOHS \*91.7 rock
Smithfield KVEZ 103.9 b, S (AP Network)
Spanish Fork KBHV 106.3 rock
VA Buena Vista WWRZ 96.7 k, CBS-
Charlottesville WQMC 95.3 b
Culpeper WCUL 103.1 k
Hampton WUDE 101.3 m
Sweet Briar WUDZ \*91.5 p
WA Edmonds KCMS 105.3 g (old and contempor-
ary; "very little secular beautiful music now");
also affects Aberdeen 92.1, Tacoma 104.7 xltrs.
WA Ellensburg KOBE 103.1 r
Grand Coulee KEYF 98.5 rock
Yakima KYSC \*88.5 rock
WV Bluefield WHAJ 104.5 rock, RKO
Ceredo WCKV \*94.9 m
Elkins WONE-FM 99.3 r
Huntington WTCR 103.3 k
WV Viroqua WGBW 102.3 k
WY Jackson KMTN 96.9 m, affects translator, too
PR Ponce WEUC \*88.9 rock
OH Windsor CFXR 93.9 m (rock until 7-9 am and
5-7 pm); former format other times until
CRTX gives permission for full switchover.

Stereo Stations

AL Marion WJAM-FM 103.9
AL Ozark WORJ 103.9
AL Sylacauga WMLS 98.3 k, I
AK Bethel KJBA 100.1 m, CBS
AK Fairbanks KGRZ 102.5
AZ Flagstaff KNAU - \*88.7 AR Fairfield Bay
AZ Green Valley KEZG 92.1 KFFB 106.3, b
AZ Marana KOPO 98.3
AZ Show Low KRFM 96.5
AZ Tucson KRQQ \*91.7
AZ Wickenburg KHBC 105.5
AZ Willcox KWXC 98.3
AR Bentonville KBCV 98.3 g, S
AR Corning KBKG 93.5 rk
AR El Dorado KCAJ 95.9, s
AR Little Rock KABF \*88.3, js
KLRE \*90.5, still classical
AR Nashville KNAS 105.5
AR Paragould KLOZ 107.1 r
AR Paris KXSS 95.3
AR Piggott KTEI 105.5, k
AR Rogers KMO-FM 94.3
AR Sheridan KYBE 102.3
AR Siloam Springs KLRC - \*90.3, g, S
AR Stamps KMSL 100.1
AR Waldron KRWA 103.1
CA Apple Valley KAPV 102.3, k
Burney KARZ 106.1
Calico KQVO 97.7 (not on air)
Grover City KLOI 107.1
Hemet KHVE 105.5, b
Le Grand KEFR \*89.9, g (not on air)
Palm Springs KPLM 106.1
Rosamond KCRP 105.5
Weed KSQU 100.9, r (plus translators)
CA Ribandale KONK \*90.5
Durango KDUR \*91.9
Gunnison KVLE 102.3, m, S
Ignacio KSUT \*91.3, pk

CO Trinidad KCRT-FM 92.7, I
CT Stonington WFAN 102.3
FL Cocoa WMIE \*91.5
FL Ft. orth Myers \*92FP \*90.1 c, P
FL Immokalee WIKX 98.3, k
FL Safety Harbor WIXR 92.1
FL St. Augustine WKMK 105.5, rm
FL Tallahassee WSNW 95.9
FL Venice WJAY 92.1
FL Williston WRJQ 92.1 k, I
GA Blackshear WKUB 104.9
Cochran WDCO-FM \*89.7, c, P
St. Marys WLKC 93.5, m, E
Soperton WMPZ 101.7, r, RKO
Warm Springs WJSP-FM \*88.1, c, P
ID Lewiston KMKC 106.9, plus translator
ID Soda Springs KFIS 100.1, rock
Weiser KWEL-FM 99.3, k
IL Charleston WEIU \*88.9
Metropolis WWRK 91.3 b (not yet on air)
Quincy WQQC \*90.3
IN Versailles WVRV, FM, 103.1, r
IA Bettendorf KBQC 93.5
Mount Pleasant KILJ 105.5
KS Fort Scott KFTS 101.7, g, Mutual
KY Greenup WLCG 105.5, k
Manchester WVXL-FM 103.1, rock
Owingsville WKCA 107.1, k
LA Haynesville KLVU-FM 105.5, b
Oakdale KICR-FM 104.9, s
Ville Platte KVPI-FM 93.5
Winthoro KMAR-FM 95.9
ME Boothbay Harbor WOME, b, S
Brewer WJUY 100.9
North Windham WSJB \*91.5 r, and variety
at night (having moved from Standish ME
\*90.9); St. Joseph's College, on 6 am to
midnight.
MD Bel Air WHFC \*91.1, still C-91
Worland WKHS \*90.5
IA Deerfield WGAJ \*91.7, cj
North Dartmouth WUSM \*91.1
MI Ann Arbor WPAG-FM 107.1, b, "Easy-107"
Portage (new) 107.7
Scottville WKZC 95.9 k, S
MS Jackson WMPR \*90.1, js
Philadelphia WWSL 102.3, k
Prentiss WJDR 98.3, R
MO California KZMO 94.3
Knob Noster KLKUC 105.5, S, soul
Liberty KWPB \*91.9
Louisiana KJFM 101.7, no target date;
music format not decided yet
Nevada KNMO 97.7
Vandalia KMWR 100.1, r, rock
MT Cut Bank KCTB 102.7, s, S
Kalispell KBBZ 98.5, Y
NE Fairbury KCIE 98.3 r (not on air)
NV Elko KLRQ 93.5, b
Henderson KMZQ 100.5
Las Vegas KCEP \*88.1
NH Berlin WMOU 103.7
Concord WJYY 105.5, rm
Keene WKHN \*91.3
Wolfeboro WLKZ 104.9, rm, S
NF Flemington WCVH \*90.5, r
Madison WMINJ \*88.9
Millville WMBV-FM 97.3
Union WKWJ \*90.3
NM Las Vegas KEDP \*91.1
NY Bath WKIC 103.1
NY Hudson Falls WENU 101.7, k
Plattsburgh WPLT \*93.9, A
Sidney WSID 100.9
NC Albemarle WABZ-FM 100.9
NC Bethaven WKJA 92.1, kr
Boone WASU \*90.5
Durham WXDU \*98.7, pj
Edenton WZDS-FM 102.3
Forest City WBRN-FM 93.3, rock
Greensboro WNAW \*90.1, B network

FCC-FM

NC Shallotte WPGO 106.3, rg
Swan Quarter WHYC \*88.5
ND Devils Lake KRRR 92.1, rock
Dickinson KRRB 92.1, r
Mayville KMAV-FM 105.5 (having moved
from 101.7)
UJ Cleveland WCSB \*89.3
Wilmington WMOZ 102.3
OK Comanche KHME 96.7, rock
Frederick KYBE 95.9, Y
OR Corvallis KSHR-FM 97.3
Corvallis KBVR \*88.7, pj
Klamath Falls KKRK 107.1, r, RKO
Pendleton KWHH 103.5, rk, RKO
Sweet Home KBYQ 107.1
PA Central City WYWE 101.7, ABC-Direction
Pittsburgh WRCT \*88.3
RI Kingston WRUI \*90.3
SC Goose Creek WLJX 94.3, rg, D network
Greenwood WQZG 96.7 AT Calgary CKIK
Hemingway WLFJ \*90.9 107.3, 640
Marion WATP-FM 94.3, k, AT Edmonton
SD Belle Fourche KKEB 95.9 CJAX 92.5, 780
Spearfish KEZV 101.1, b AT Edmonton
KSLT 107.3, g, U, CISN 103.9
TN Bristol WNCB \*91.5 BC Prince George
Dayton WLKY 104.9 ICIBC 94.3, 1150
Elizabethton WJSD-FM 99.3 WB Sal Kirk
TX Lake KJAV 104.9 CFOX 92.9,
225 feet
Beville KIBL-FM 104.9
Brackenridge KRDO 93.5, rk NF St. John's
Brownsville KBNR \*88.3 CKIX 99.1, 950
Groves KTFK 92.1, rock PO Rimouski
Kenedy KTNR 92.1, k 93.3
Malakoff KKLK 95.9 PO Rimouski
Mission KIM 105.5 CKLE 96.5, m
Odessa KOCV \*91.3
Prairie View KPVV \*91.3
Quanah KIXC 100.9
Stanton KJAK 92.7
Sulphur Springs KDXE 95.9, m, U
Tyler XVNE \*88.5, g
Winnbrock KWNS 014.9, m
UT Ogden KJON-FM: 95.5
Provo KLRZ 94.9
St. George KRDC \*93.3
Tremonton KBXN 104.9, k, UPI
VT Middlebury WVMF \*91.7, S
Randolph WCVR-FM 102.3
VA Hampton WHOV \*88.3
Marion WMEV-FM 93.9, k, no network
Orange WJMA-FM 96.7
Salem WJLM 93.5, g
WA Deer Park KNOI 107.1, r, D (CBS Radio)
plus Spokane translator
WA Hoquiam KGHQ-FM 95.3
Pullman KZUU \*90.7, pj
Quincy KLLH 96.7, k
Tacoma KUPS \*90.9
WV Charleston WVSR 102.7
Elkins WELK 95.3, r, RKO
Morgantown WVUU \*91.7 rock, K (ABC Rock)
Princeton WKMY 100.9
Rocovette WRON-FM 97.7, m
WI Clintonville WFCL-FM 92.1, rock
De Pere WJLV 95.9
Watertown WMLW 94.1
WY Casper KQLT 103.7, beautiful music
Cheyenne KLEN 106.3
Douglas KATH-FM 99.3, m
Gillette KWJY 100.7, RKO
PR Camy WCHQ 102.9
Rosevelt Falls AFNC \*90.5, b
VI Christiansted WJVC 95.1, rock
NO STEREO: WJ Beckley WBKW 99.5
Stereo resumed? WBMP 101.7 Elwood IN
Stereo resumed? WCEM-FM 106.3 Cambridge
MD.
Work is progressing very slowly on the new FM ATLAS. I am still hoping to make a June 4 deadline or so for it. And may DX abound this year! b.e.

Readers' Reports

Richard Clark has been the Dominican Republic SCA sleuth, noting the existence of a music SCA there, in addition to VHF 159.350 mhz, which also is used for music. He also supplied much of the PR information.
The SD public radio story is told by Dan A. Johnson, director of programming, KESD \*88.3 Brookings: KEIA-FM Garden City was planned as a station to replace KESD-FM Brookings and to fill in the unserved area in northeastern South Dakota. However, the expense of using the KDLO-FM-TV tower and second thoughts on the signal strength in the Brookings area led us to change our application. As a result, KOSD-FM Pierpont (Aberdeen) is now on the air and KESD-FM still serves the Brookings area. The radio reading service comes from the Minnesota network and is carried by all of the stations, except KUSD/AM. Our 6-station network is operated by a staff of six fulltime persons, one station for each of us. We are also in the process of planning for a station in the Sioux Falls area in cooperation with Sioux Falls College. Because of some legal difficulties, I don't know how soon we can reasonably expect to be on the air. At the present, we serve the Sioux Falls area from a translator located on top of the State Penitentiary. A poorer signal in Lincoln seems to have accompanied rim-shot station KZKX 96.9 Seward NE's change of call letters, notes Neil Zank. I know their chief engineer and he has increased modulation of the SCA, so I wonder if it is that, or just the incredibly poor tropo lately (tropo can affect even local reception, I believe). Neil says: "Stereo breaks up at 70th & A st. (on top of ridge)... One day I was parking in the Kamp park garage at 12th & P Sts. and inside there was no KZKX signal at all. Now, this is not normal for an FM signal as it might be for an AM signal."
The new WHQR \*91.3 stereo Wilmington NC may try to incrementally increase its power to see if interference to ch. 6 TV results. Now it is 1500 w, compared to the 29, 500 watts it wanted. The stereo light is on all the time, even during mono programs. The announcer was not sure his mike was in stereo or monaural; phone (919) 343-1640.
Knoxville TN's WKCS \*91.1 is still off the air, joined by an AM station 2600 WRJZ, "a troubled station that had reorganized several times." WRJZ, on a favorable frequency, is undoubtedly troubled because of FM's listening inroads on AM.
Paul Caines gets, on 93.5: WHMI-FM Howell MI, WRON "Toledo's New Rock" Bowling Green OH, and CBCL London. "CBC-FM is as bad as their TVs for IDing!"
On 90.3 the gets Oak Park MI, WBLV Twin Lake MI, WBCL Fort Wayne and Farmington Hills MI a pirate operating from a van in NW Detroit near WJZZ 105.9 in frequency has been caught and has a court date pending.
A KALW \*91.7 San Francisco program schedule was sent by John Jefferson to help settle the controversy. Most of the music they play is at night, much classical, but also much big band, m-o-r and jazz, so I will leave it "tm" for now. Verie signor for XHFL 90.5 C. Obregon, Sonora, is Fernando Herrera Gil, who writes a good English letter.
WMSO \*101.5 Upper Montclair is said to announce as having .86 watts, not 8 watts, as FCC data show. I will still list as 8 watts, assuming .86 is a temporary power, perhaps testing to see interference levels with respect to WDPH Foughkeepsie and WKXW Trenton NJ, also on 101.5. Bill Nienajedly thinks that with the FCC converting to metric, Class A stations will be allowed 328 feet at 3,000 watts, compared to 300' now. That figures to 100 meters, and I list the Class A height at 95 meters. If what he says is true, expect many Class A stations to up their heights and obtain 16, 48 mile covers compared to 14.5, 46 now. At that point, this column and the FM Atlas will convert totally to metric!
Back on with full power from towers that had come down: WMEA \*90.1 Portland ME and KANU \*91.5 Lawrence KS. KANU's actually a pest, interfering with Kearney reception of KIOS Omaha, also on 91.5. Call letters' error, April, 1983 VUD: OH Fairfield 94.9 WLLT (not WLLY). Dave Brupfield and Ralph Strobel both noted vastly improved coverage for WECL \*91.5 Richmond IN. Dave is looking forward to being at the WTFDA convention in NY state this summer.
WOSS Ossining NY now on \*91.1, with 10 w, but they'd like to raise the funds to go back to \*90.3 with higher power. NY Pirate WSOZ 91.5 on recently using professional-type equipment, says Robert Goodman. Heard testing: WCPN 90.3 Cleveland [Public Radio]. No stereo. Ely MN lost its AM radio voice, WELY 145k with FM translators of Duluth stations there. WELY had been on since 1954; at one time I was interested in buying it and activating Ely's 92.1 FM channel. WHRL 103.1 Albany NY using 92 kHz for Mutual network feeds.
Dr. Richard Wood does a column in a new publication, "The International Shortwave Listener's Program Guide," a bimonthly \$19.95/year from Miller Publishing, 424 W. Jefferson, Media PA 19063. Maybe he'll mention FM DXing in it, too. Dave Nieman says WBEN-FM 102.5 Buffalo has no network, contrary to what was announced in the press, and Tom Hancock says WANJ Wheeling wv is rock now. Since I have extra space I'll print this nice testimonial from Nolan Crabb, publisher Dialogue for the visually impaired:
"The radio works better than I ever dreamed it could. [A GE Superadio II with FM-SCA.] I've already received more than its money's worth of enjoyment from it this past 10 days. Thanks for your personal, courteous service, and for providing a product with an SCA circuit of such high quality..." And he's going to run a piece about my products in the summer edition of DIALOGUE magazine for the blind. A similar radio went to Ted Fleischer, and he says it "works like a charm!" CONTRIBUTORS: David E. Brunfield, Richmond IN; Pat Burke, Knoxville TN; John Clark, Casco ME; Dick Clark, La Vega DR; Nolan Crabb, Berwyn IL; George W. Derringer, Damariscotta ME; John Ebeling, Bloomington MN; Ted Fleischer, Louisville KY; Wendell Ford, Westville IN; Dick Foreman, E. Stamford CT, formerly with NBC and now a radio consultant who says the FM Atlas "is the best investment since Swiss cheese." Also contributing: Paul L. Gaines, CP Clearing, Detroit MI; Robert Goodman, Bronx NY; S. T. Hancock, N. Canton OH; J. M. Jefferson, Pleasanton CA; Dan A. Johnson, Brookings SD; W. J. Kreamer, Troy NY; Frank Lugo, Jr., Essex MD; Bob McGarvey, Kendall Park NJ, who put a nice article, "Die-hard radio fans will like poring over FM atlas-directory," in New Brunswick's Home News 4-15-84, James J. Nahriahki, Warren MI; Dave Nieman, Akron NY; Bill Nienajedly, Passaic NJ; Dan Otting, Broomfield PA (who's looking forward to the 9th ed.); R. H. Perrin, who gets 72 FM stations across the dial in Wells ME; Les Price, Wilmington NC; Richard Reese, Jersey Shore PA; Stanley Swanson, McAllen TX; Donald G. Webster, Grand Forks AFB ND; Dr. Richard E. Wood, Abha, SAUDI ARABIA; Neil G. Zank, Lincoln NE.

# SOUTHERN · FM DX

Danny Buntin  
1312 N. Skyline  
Stillwater, OK 74075

DEADLINE: 10th

NEW ES SEASON SHOWING SIGNS OF ACTING UP.

CA OBSERVES MORE OFF SEASON ES THAN USUAL.

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

If the year keeps going the way it has been so far, it'll be one to remember! February was rather a bust, but so far have had 5 Es openings into the FM band (that's 4 more than my previous high for January through April). Only two new loggings out of them, but that makes two more by Es in March and April than all previous years together. Aside from the Es, however, not really that much doing. MS becomes increasingly more difficult to get as the few open B/C channels are about worked out, and at this time of year it, of course, is at its worst. Did swell the logging totals slightly, however, with a field trip to Concord (my home from '74 to '79). The purpose was to check the status of the Walnut Creek boosters for Bruce Elving prior to FM Atlas time, as they were off the air for quite a while. Those loggings were made with the Sony ICF-2001; all others were with the Mac MR80, using the S/probe (at 55'). New underlined; new to Pleasanton starred; @ is new to Concord.

DATE	MODE	TIME	CALLS	FREQ	ST	CITY	REMARKS	DIST
1/11	GM	1205	KMPO	88.7	CA	Modesto	ID (new - // KSJV 91.5 Fresno)	95
1/30	GM	0030	K228AM	93.5	CA	Stockton	KEAR ID (new - xmitter cosited w/ KSTN 107.3)	20
2/25	MS	0300	*KMPO	94.1	WA	Seattle	"...FM in Seattle"	705
3/7	ES	2121	XHHB	94.7	SN	Cd. Obregon?	Calls, address (on Calle Obregon), & phone #	
		2200	XHHB?	94.7			Spanish	
3/18	GM	1250	KSAN2	94.9	CA	Walnut Creek	KSAN ID (in W. C.)	1
		1300	K244BQ	96.7	CA	" "	KOIT ID (" " " ")	1
							(replaces KOITL)	
3/27	TR	1416	K276BA	103.1	CA	Pioneer	KNGT & Jackson refs	62
	ES	1945	KSET	94.7	TX	El Paso	Calls	980
		1952	KUFO	97.9	"	Odessa	Odessa ref	1170
		1956	KIKY	94.7	"	San Angelo	Calls	1285
		2000	KWLW	93.9	"	" "	ID	
3/30	ES	2214	unid	91.9			from NE	
4/7	ES	0834	KELN	97.1	NE	N. Platte	Calls (only non-CA signal on band at this time!)	1120
		0839	KNEN	94.7	NE	Norfolk	NE refs	1290
		0851	KUWR?	91.9	WY	Laramie	(to 7 on meter at 0853 - that's a good signal)	
		0858	unid	95.1				
		0859	KUSD	89.7	SD	Vermillion	SD public radio net ID w/ KESD, KTSB, KDSB, & KHHE	1355
		0900	KPNY	92.1	NE	Alliance	Alliance ref o/ KINQ	1020
			KMOR?	92.9	NE	Scottsbluff	Am. Top 40 - just missed local ID	
		0902	K210AF	89.9	WY	Torrington	KUWR phone #, calls (good \$ o/ KCDS!!!)	980
		0907	KBRB?	92.7	NE	Ainsworth	Signal to 8 o/ KROG	
		0908	unid	93.1				
		0912	KSDZ	95.5	NE	Gordon	Local refs (mono)	1065
		0914	KQSK?	97.5	NE	Chadron	Easy rock & time o/ KMYT	
		0916	KINI?	96.1	NE	Crookston	Sounded like k o/ KCTC	
		0917	KWYR	93.7	SD	Winner	Winner ref (9 1/2 on meter)	1200
		0920	KQSK?	97.5			MUF down to ch 4 within 2 minutes after this.	

It's interesting to note that 3 of the openings so far were on 1/5, 3/7, and 4/7. Did anything happen on 2/5? Those four dates are neatly spaced at 31-day intervals, reaffirming the cyclical character of off-season Es (even if 2/5 was a bust - we're all entitled to one off day). May 8 may be a day to stay glued to the old FM! Here're the stats" 756 for bay area (avg. dist. = 722 miles); 660 here in Pleasanton; cont.

SOUTHERN FM DX

Jefferson, cont.

June 1984

and 335 in Concord / Walnut Creek (downtown W. C. is about 2 miles from my old Concord house, so lumped K244BQ & K244BQ into Concord total). Speaking of which, forgot to note that I later (3/21) logged K244BQ here while KROI Manteca was off the air. Never would've noticed it, most likely, if I hadn't known it was there, since it's adjacent to KOIT and competing with KQVR Paradise on 96.7. Obvious enough once I knew to look for it, though.

Bill Townshend 4500 Conn. Ave NW #901, Washington, DC 20008 EST 202-966-8046

4/3 tr  
0030 WQHQ 104.7 MD Ocean City, T40  
Realistic Patrolman CB-8. 73's

4/3 tr  
0034 WCLC 102.5 MD Princess Anne, gospel

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

5/5 gw  
1810 K276BP OK Stillwater, local ads apart from main KCFO, originally on 102.3

5/6 Es!  
1059 WYLF 95.1 NY Bristol Center  
1100 WAEK 88.3 NY Syracuse 1200

5/6 Es  
1110 WKFM 104.7 NY Fulton "KFM"  
1114 WEZO 101.3 NY Rochester, ID 1160  
1118 CFLY 98.3 CN Kingston, "Y98", ads (First Es of season observed here.)

For about a week KCFO's Stillwater translator left the air and had hoped they really did what I told them they could do with it, but no such luck. Now 102.9 is very difficult to tune what with KCFC's second strongest on 102.7 and the KCFO translator on 103.1.

Well, it's high time to check the band quite often for interesting DX developments for the season is now upon us. During the season I try to do so the first thing when I get up in the morning and first thing when I get home from work. Those who don't bother to check for DX can only expect to get left behind in the DX excitement, and to that I say better luck next year. 73. (Check for often than twice a week.)

REPORT your FM DX to SFM if you're from: AL, AR, AZ, CA, CO, DC, DE, FL, GA, KS, KY, LA, MD, NC, NH, NV, OK, SC, TN, TX, UT, VA & W.

## COME TO W T F D A CONVENTION '84 JAMESTOWN NY · AUG. 3-5

DON'T MISS IT!!! ONCE AGAIN THIS YEAR, WTFDA'S CONVENTION IS BEING HELD IN WESTERN NEW YORK STATE'S SCENIC CHAUTAUQUA COUNTY--A FAVORITE VACATION SPOT FOR BOTH DXERS AND HAM RADIO OPERATORS. THE HILLS OF CHAUTAUQUA ARE RENOWNED FOR GREAT VHF-UHF DXING...MAKE THEM YOUR DESTINATION AUGUST 3RD THRU 5TH AND FIND OUT WHY!

HOST MIKE LAPINSKI, KB2SNY, IS PLANNING A COMPLETE PROGRAM WITH SOMETHING FOR ALL DX INTEREST--AND ACTIVITIES ABOUND FOR THE NON-DXER, TOO! THE CONVENTION WILL BE HELD ON TOP OF A HILL AT MIKE'S 41 ACRE DX ESTATE, WHICH FEATURES A FANTASTIC VIEW OF THE AREA.

INCLUDED IN THE PROGRAM WILL BE A TOUR OF THE FACILITIES OF WWSE 93.3 AND AM STATION WJTN 1240. FEATURED SPEAKER WILL BE MR. ANTHONY PILATO, CHIEF ENGINEER OF THE STATIONS.

MANY OTHER ACTIVITIES ARE BEING PLANNED, INCLUDING A TOUR OF A CABLE-TV SITE AS WELL AS A VISIT TO A UHF TV OUTLET; AND THERE WILL BE A DXPEDITION TO AN EVEN HIGHER PRIME DX LOCATION!

WATCH FOR THE SPECIAL CONVENTION SECTION IN NEXT MONTH'S VUDI! BETTER YET, SEND A SELF-ADDRESSED STAMPED ENVELOPE TO WTFDA H.Q. AND WE'LL SEND YOU COMPLETE DETAILS ON HOW TO GET THERE!

# FM STATISTICS

Fred Nordquist  
7945 Boxford Road  
Clay, NY 13041

Deadline: the 5th

JUNE 1984

## FM SCOREBOARD

DXer, Location	Rank	Total	88-92	Es	MS	Au	USA	CN	MX	PO	TPU	YB	As of:
SORT													
Danny Buntin, Stillwater OK	1	1554	235	898	3	0	48	5	9	2	65	74	9/2/83
Bruce Elving, Duluth MN	2	1491	213	1231	8	7	44+	3	1	0	49	48	9/7/83
John Ebeling, Bloomington MN	3	1428	226	805	39	79	47+	4	5	0	57	52	1/3/84
Ralph Strobel, Muncie IN	4	1220	323	220	37	4	38+	3	1	1	43	72	3/28/84
Fred Nordquist, Clay NY	5	1202	193	576	28	56	39+	5	0	2	47	69	4/5/84
Mike Bugaj, Enfield CT	6	1197	150	629	7	21	37+	3	0	1	42	74	12/5/83
Tim McVey, Bolivar TN	7	1075	151	392	1	42	5	11	1	1	59	77	7/1/83
Fred McCormack, Des Lacs ND	8	1074	137	801	25	85	44+	6	4	0	55	65	7/2/83
Jim Pissi, Lovington NH	9	1053	138	828	16	0	38	5	14	4	61	81	12/22/83
Joseph Pala, N. Plainfield NJ	10	1046	211	502	2	9	37+	5	0	3	46	68	1/2/84
David Nieman, Akron NY	11	961	237	231	32	19	41+	7	0	2	51	59	3/11/84
Hank Holbrook, Chevy Chase MD	12	814V	202	216	16	0	35+	5	0	3	44	59	4/26/84
Saul Chernow, Burnt River ON	13	768	114	414	48	70	37+	7	0	0	45	77	4/16/83
Fred McCormack, Farge ND	14	763	88	490	3	47	47+	4	2	0	54	74	7/4/83
John Jefferson, Pleasanton CA	15	743	153	411	122	0	23	4	0	0	31	57	10/9/83
Daniel Oetting, Broomall PA	16	630	144	216	4	3	32+	5	0	0	38	77	11/2/83
John Ebeling, Prosit MN	17	609	111	319	2	5	41+	7	0	0	49	75	1/3/84
Jeff Kadet, Macomb IL	18	609	114	55	4	0	32+	3	0	0	36	83	9/28/83
Joseph Smith, Johnson City NY	19	605	80	165	0	0	34+	2	1	0	38	71	4/20/84
Ken Simon, Lake Worth FL	20	528	145	429	0	0	34+	2	2	8	47	66	9/10/83
Alan Michalek, Springfield MA	21	451	51	244	0	0	36	4	0	0	40	52	7/25/83
Mike Hogan, Burnham IL	22	309	60	32	0	0	24	1	0	0	25	76	7/31/83
Bob Schweitzer, E. Brunswick NJ	23	234	75	7	0	0	11+	0	0	0	12	77	9/3/83
Paul Mount, Teaneck NJ	24	216	28	28	0	0	21+	1	0	0	23	79	4/2/84
Robert Ross, London ON	25	204	43	19	0	0	14	1	0	0	15	76	2/1/83
Ronald Purdue, Byron MN	26	156	2	95	0	0	20+	0	2	0	23	81	6/25/83
Frank Wheeler, Erie PA	27	148	17	3	0	0	7	1	0	0	8	64	10/10/83
William Hepburn, Niagara Falls ON	28	144	51	35	0	0	18+	1	0	0	20	70	4/5/84
Bob Schweitzer, Old Bridge NJ	29	121	32	0	0	0	9+	0	0	0	10	82	9/3/83

V=Verified.

Column definitions are in the April VUD on page 19. Let's see how many of you can really increase your totals this DX season! Keep on the alert for Es in June and July.

## STATES STATS

State	#-DXer	#-DXer	State	#-DXer	#-DXer	State	#-DXer	#-DXer	State	#-DXer	#-DXer
AL	54-TMc	46-JEb1	IN	146-RSt1	112-DBr	NE	40-JJc2	24-JEb1	SC	38-DBu	35-JEb1
AK	11-JJc3		IA	90-JEb1	69-BE12	NV	15-FMc1	14-DBu	SD	26-FMc1	24-FMc2
AZ	29-FMc1	26-DBu	KS	66-DBu	44-FNo	NH	20-RSt2	7-JEb1	TN	93-JAy	82-TMc
AR	65-Do1	61-VEa	KY	67-RSt1	33-DBr	NJ	60-JFe	55-RSc	TX	211-RSa	143-FMc1
CA	245-JJc2	102-FMc1	LA	53-RSa	45-BE12	NM	32-JJc2	31-FMc1	UT	19-DBu	17-RSa
CO	53-JJc2	44-TMc	ME	29-RSt2	10-JEb1	NY	156-FNo	132-JSm	VT	11-RSt2	11-MBa
CT	43-MBa	34-JFe	MD	42-Doe	40-JFe	NC	66-BE12	63-DBu	VA	45-DBu	41-JEb1
DE	11-SWe	10-Doe	MA	84-RSt2	67-MBa	ND	22-FMc1	18-FMc2	WA	26-JJc2	24-FMc2
FL	122-DBu	84-FNo	MI	139-FMc1	114-RSt1	OH	181-RSt1	177-FMc1	WV	33-FMc1	29-RSt1
GA	52-DBu	52-BE12	MN	128-JEb1	103-BE12	OK	82-DBu	40-FNo	WI	123-BE12	116-JEb1
HI	none		MS	64-TMc	36-FNo	OR	23-JP13	18-FMc1	WY	13-JJc2	13-TMc
ID	22-DBu	13-RSa	MO	73-DBu	44-FNo	PA	128-DN1	100-Doe			
IL	149-RSt1	115-BE12	MT	19-JP13	15-JJc2	RI	11-RSt2	8-MBa	DC	13-SWe	13-DN1+

## CANADA STATS

Prov.	#-DXer	#-DXer
AT	18-JJc2	15-JP13
BC	17-JJc2	7-JEb2
MB	15-FMc1	9-FMc2
NB	3-FMc1	1-FMc1
NF	9-FNo	8-DN1
NS	8-Sch	6-DN1
ON	77-DN1	68-Sch
PEI	2-JFe	1-Doe
PQ	19-FNo	18-WHe1
SA	8-FMc1	5-Sch

## MEXICO STATS

State	#-DXer	#-DXer	State	#-DXer	#-DXer
AGU	1-JP13		BCN	10-FMc2	9-JP11
CHI	6-JP13	6-FMc1	COA	6-JP11	2-JEb1
DF	21-TMc	21-JP13	GTO	7-JP13	2-TMc
JAL	12-TMc	9-VEa	MIC	1-JP13	
MOR	3-JP13	1-VEa			

## OTHER FOREIGN STATS

Ctry	#-DXer	#-DXer	Ctry	#-DXer	#-DXer
Cuba	1-KS1	1-JF+	Bermuda	2-FNo	2-DN1
Guatemala			Jamaica	2-JP13	1-TMc
Puerto Rico	1-DN1	1-JFe			

Note: Key to Stats record-holders' initials are on the next page.

## FM STATISTICS

## KEY TO STATS RECORD-HOLDER'S INITIALS

JUNE 1984

Initials	DXer Name	DXer Location	Initials	DXer Name	DXer Location
JAy	Jim Ayers	TN Murfreesboro	FMc2	Frank Merrill	MI Milan
DBr	Dave Brumfield	IN Muncie	FMc1	Frank Merrill	OH Toledo
MBu	Mike Bugaj	CT Wallfield	AM1	Alan Michalek	MA Springfield
DBa	Danny Buntin	OH Stillwater	DM1	David Nieman	NY Akron
SCh	Saul Chernow	ON Burnt River	FNo	Fred Nordquist	NY Clay
VEa	Vernon Eaton	AR Benton	Do1	David O'Dell	AR Little Rock
JEb2	John Ebeling	MN Prosit	Doe	Daniel Oetting	PA Broomall
JEb1	John Ebeling	MN Bloomington	JP13	Jim Pissi	NM Lovington
BE12	Bruce Elving	MN Duluth	JP11	Jim Pissi	CA Orest
JFe	Joseph Pala	NJ S. Plainfield	RSa	Rick Sanford	TX Burnett
WHe1	Wa Hepburn	ON Cornwall	RSb	Bob Schweitzer	NJ E. Brunswick
			KS1	Ken Simon	FL Lake Worth
JJc2	John Jefferson	CA Pleasanton	JSm	Joseph Smith	NY Johnson City
JJc3	John Jefferson	AK Anchorage	RSt2	R. Steinberger	MA Hudson
FMc2	Fred McCormack	ND Farge	RSt1	Ralph Strobel	IN Muncie
FMc1	Fred McCormack	ND Des Lacs	SWe	Steve West	PA Havertown
TMc	Tim Mc Vey	TN Bolivar			

A couple of notes: Regarding counting "Total" for the FM Scoreboard, a station should be counted only once regardless of how many different propagation modes (e.g., Es, Tr, MS, Au) that the station may have been logged by you. After I get my printer for the TI99/4A, it should make this column easier to provide different types of FM statistics.

## Best Personal Records Department

Send in your farthest station logged via each propagation mode, and I'll print them here. Also send in an individual most outstanding logging that you feel is your best catch. Here is the first edition: Best Distances (miles)

John Ebeling - Bloomington MN				Fred Nordquist - Clay NY					
Mode	CL	MHz	State City	Dist	Mode	CL	MHz	State City	Dist
Es	WMCU	89.7	FL Miami	1510	Es	KKED	90.3	TX Corpus Christi	1598
Tr	WLOS	99.9	NC Asheville	855	Tr	KLAZ	98.5	AR Little Rock	1043
MS	WQIK	99.1	FL Jacksonville	1187	MS	KROA	95.7	NE Grand Island	1150
Au	WAMU	88.5	DC Washington	932	Au	WMEW	88.9	TN Chattanooga	745

John Ebeling's best catch: from Bloomington MN, via Es, was WALP-90.5 Corinth MS-10 watts! (790 miles). Jim Pissi's best translator catch is K210AC-89.9 Moses Lake WA (KFAE-89.1) at 1292 miles (power unknown?), via Es. All distances recalculated by computer. 73- FRED

# ANARC UPDATE

STEVEN P. SPRACHMAN  
39-16 48 Street  
Sunnyside, N.Y. 11104  
1-212-937-8721

## CONVENTION PREVIEW

We are about one month away from the 1984 ANARC Convention. It will be held from July 20 to July 22 at the Ramada Renaissance Hotel in Toronto. The hotel is off of Ontario route 401 and is near many of Toronto's major attractions. Some of these are the CN Tower, the Eaton Center, and the Ontario Science Center. The sponsors of this years convention want it to be a family event so they have scheduled several family shopping trips and outings to several of Toronto's favorite tourist destinations.

The agenda has many programs for all DX'ers. Seminars on various aspects of DX and a quiz given by Andy Sennitt of the World Radio TV Handbook are planned. As usual, there will be the opening Wine and Cheese Reception, the International Broadcasters Form, the Awards Banquet, and the HAP auction. Below is a condensed agenda:

Fri. July 20  
1-5pm Exhibitions from clubs and manufacturers.  
7pm Wine and Cheese Reception.

continued on page 34...

# NORTHERN FM-DX

JUNE 1984

Saul Chernos  
79 Ridge Drive  
Toronto Ontario  
Canada **MAT 1B6**

E-SKIP twice into FM in April, but as yet no written news of it. By now your ears will be fixed to the radio and your eyes to the TV, and so will mine, so without further ado... If you live and DX in AK CT ID HA ME MA MD MT NE NH NJ NY ND OR PA RI SD VT WA WY CANADA or in another country, send your FM loggings to the above address. Reports lately have been few and far between. So has FM DX. I'm looking forward to both. Also, the best place to get your unIDs solved is CCI; I'll print them if they are detailed enough to be relevant to the rest of your DX. Also, I've received no complaints about my omitting "ID" and "ad" from loggings. I feel they are meaningless; you should always at least try to get an ID (all stations have to ID by law) and unless you tell us whom the ad's for... I'm basically trying to make the column scannable so DXers can check stuff quickly. Feel free to praise or condemn my actions. See you at Jamestown NY Aug. 3-5; ANARC Toronto....

Alan Hyems - 2324 Boston Rd. - Bronx NY 10467

SEPT 1983		9 Tr	
2 Tr		2300 WFLM	99.1 MA Plymouth 190
2243 WMR	93.3 PA Philadelphia 90	2327 WRVH	165.5 NY Patterson 50
2310 WYS	98.1 MA New Bedford 150	10 Tr	
2328 WKZE	104.7 MA Orleans 210	2125 WYRS	96.7 CT Stamford 35
2331 WQCN	105.5 CT New London/Groton 130	13 Tr	
2337 WTKS	107.9 MA Medford 215	1000 WMGK	102.9 PA Philadelphia 90
2350 WSBH	95.3 NY Southampton 85	30 Tr	
3 Tr		0015 WYSP	94.1 PA Philadelphia 90
0055 WSLT	106.3 NJ Ocean City 200	0055 WYS	107.9 MA Medford 215
0100 WFSI	107.9 MD Annapolis 215	OCT 4 Tr	
0110 WWHB	107.1 NY Hampton Bays 80	2340 WSBH	95.3 NY Southampton 85
0135 WSTW	93.7 DE Wilmington 125	5 Tr	
0146 WMCQ	98.3 NJ New Brunswick 30	0100 WMBE	96.5 PA Philadelphia 90
0200 WBYI	103.1 MD Graysonville 215	0122 WSLT	106.3 NJ Ocean City 200
0800 WMGK	102.9 PA Philadelphia 90	0200 WSMI	104.5 PA Philadelphia 90
0800 WKLY	98.3 NY Hempstead 35	0210 WMR	93.3 PA Philadelphia 90
2315 WYS	98.1 MA New Bedford 150	0215 WAVY	95.1 NJ Atlantic City 115
		11 Tr 0645 WFLN	95.7 PA Philadelphia 90

Daniel E. Oetting - 2882 Old Cedar Grove Rd. - Broomall PA 19008

Yamaha T-70 tuner, Panasonic rf-2600, Archer 10 elem. FM ant. rotatable W-N at 25' AGL.

NOV 1983

20 Tr		FEB 6 Tr	
1025 WZFM	107.1 NY Briarcliff Manor r 107-ZFM	0004 WBLI	106.1 NY Patchogue r WWSH off
28 GW/Tr		10 Tr	
0545 WHFC	91.1 MD Bel Air r "C-91" ex-88.1	1150 WBUF	92.9 NY Buffalo r
DEC 3 Tr		1151 WPTT	92.9 PA Pittsburgh mb
0030 WDMT	107.9 OH Cleveland sr	2058 WPCR	88.5 MA Amherst c strong signal
6 Tr		12 Tr/ GW	
0018 WUNU	107.7 NY Wethersfield p	0345 WLVN	91.3 PA Bethlehem sr
11 MS		14 Tr	
1132 unID	88.3 French, Ant NW, Wawa ON?	1706 WAER	88.3 NY Syracuse
(Methinks Wawa English; I'll check-saul)		17 Tr	
JAN 1984		0550 WTLR	89.9 PA State College g
7 Es		27 Tr w/WSTW	off-air
1137 CBMmt	90.3 NF Marystown t	0012 WELK	93.7 NY DePew s
1203 CB..	88.5 PQ Gaspé nx wx CBC-EE my 1st Quebec FH.	0100 WBZZ	93.7 PA Pittsburgh r
1224 KLJC	88.5 MO Kansas City g	MAR 1 Airplane	Scatter
21 MS		1805 WRKC	88.5 PA Wilkes Barre nx
0658 WBI	90.1 IL Chicago "...is WBI-P..."	5 MS	
28 Tr		1326 unID	91.1 strong burst w/Spanish talk.
2339 WGWt	104.3 NY Utica r not WBSB		

Local WPEB 88.1 Philadelphia PA not been hrd since Jan. Last year they were never on the right freq; last spring on 88.0, in summer drifted between 88.0 & 88.2, recently consistent on 88.225. I think the FCC got wise to them, and shut them down, although there's been nothing in the paper about it. WXTU (92.5 Philadelphia)'s ratings in recent years have been awful. They tried a ploy to boost Jan. ratings: WXTU personality Steve Ross was fired on air for making controversial phone calls to Tokyo, Japan, without the program Director's permission. This action was seemingly "not real" according to a Phila. FCC engineer. The on-the-air drama between stn manager Dennis Dougherty & DJ Ross began at 10 a.m. After being fired, Ross locked himself in the studio for 6 hrs to protest. He played music without any ads. Ross asked listeners to call WXTU and support him. Many did, and shortly before 4 p.m. Ross & Dougherty made-up on the air. Ross got his job back, in a contract form, one condition being Ross had to get...

Oetting, cont'd

Listeners to call in and donate money to Easter Seals. Dougherty expressed shock at the suggestion it was a publicity stunt. The FCC is investigating, but are not sure if WXTU violated any federal regulations. I taped most of the drama, and must admit it was well executed; but you can tell it was phony. On Mar 1 they switched formats - from Urban Contemporary to Country. 73's, Dan.

Northern FM DX (2)

June '84

David J. Nieman - 12284 Nice Rd. - AKRON NY 14001 Carver TX-11, Pioneer TX-9100, \$probe9, dipole

Jan 1984		MAR 1 Au	
14 MS WBBF	95.7 NY Clean off for a few days	2002 WRMZ	99.7 OH Columbus r "WRMZ, FM-100, Columbus..." 310
1343 WAKC	95.7 NC Hickory r \$ "...with all of your favorites in \$ on WKRC in just a moment ..."/sexy female voice, too. 535	11 Tr	
15 MS		1915 WMBE	100.1 MA N.Adams m promo for back-ground mx service 275
1116 WKAJ	95.7 OK Ardmore k \$ 1177	APR 8 MS	
FEB 13 MS		1031 WSTU	91.9 IL Carbondale ID QTH
1334 KOXI	101.1 NE Columbus b \$ "FM-101, KOXI, Columbus..." 910	11 Tr	
21 MS		2000 WNYU	89.1 NY New York City r "This is Time after Time, Cindy Walker on WNYU 275
1549 WMAO	90.9 MS Greenwood c "...Mississippi; WMAE 89.5 Booneville Mississippi" 900	22 MS	
25 Tr		1133 KTCB	104.9 NE Wayne "KTCB salutes the... ..218 Main St. in Wayne as the Area's most progressive business; founded in 1938 by A.L. Swan,..." 925
1340 WCRN	105.5 PA Tamaqua r \$ "...that's... on FM 105 WCRN, completing a 3-song mx sweep ;our forecast is looking like this..." 205		
26 Tr			
1227 WDSB	100.1 NY Woodstock c "you're listening to the Concert Hall & I'm Leslie Gerber, and this is WDSB in Woodstock NY" 235		

no \$ noted. Also noted on 90.3 was a stronger WPTG PA Lancaster - they must've done some xmtu upgrading, no \$. While monitoring 100.9 for MS bursts this morning, a rock stn built-up several times (antenna WNW). Bay City was mentioned in ads plus the non-ID "foxy-101"... ..could this be Pinconning MI? Dave (By "built-up" I assume as in Tropo build-up... yep WFXZ; see Oct 83 FCC FM NX, in Pinc'g-sc)

Your Editor in BURNT RIVER ON .....

AUGUST 1983

25 Tr		the London Laugh Guards.	
0500 WICB	102.9 MI Ann Arbor ID r	SEPT 1Au	
0530 WBCL	90.3 IN Ft Wayne g	0037 WFUV	90.7 NY New York City pr
0730 WGLE	90.7 OH Lima c NPR	11 Tr	
1718 WKXZ	93.9 NY Norwich "Kix94"	0800 CKBY	105.3 ON Ottawa
2030 CBEF1	103.1 ON Leamington //96.5 FF CBC	0801 CHEZ	106.1 ON Ottawa "Shay" rp EE
2040 WNDH	103.1 OH Napoleon CBS nx, funky jazz	0803 CBOF9	88.7 PQ Chapeau FF CBC mono
2050 WCEP	102.7 OH Sandusky "Rock 103", "Leisure rock 103"	0804 CHGA	97.3 PQ Maniwaki FF non-cbc
		0805 WOOD	105.7 MI Grand Rapids (prev. Au)
2214 CIXX	106.9 ON London student stn. PSA for		
	And that winds up Burnt River dx. Two weeks at end DEC'83 proved to be great for skiing and dismal for dx. This summer's gonna be a gas, what with 96.5, 106.3, 94.1 and more local-semis going all night. I wonder if 98.5 CBC Whitney ON is on yet; they're quite close.		

Your editor winds up Ottawa ON dx

OCT 1983

1 Tr		NOV 1 Tr	
0026 CJOR	97.7 ON St Catharines k	1656 CEMP	101.5 ON Peterborough
0029 WXXI	91.5 NY Rochester jazz	1700 WONY	91.3 NY Syracuse "FM 91.3" pledges
0044 CING	107.9 ON Burlington "FM-108"	26 Tr	
0101 WPKY	104.7 ON Milton "Magic" rp	2300 WOUR	96.9 NY Utica
0142 CBEZ	99.5 PQ St Adele FF tm	2325 CJBCL7	95.5 ON Belleville CBC-PP
2 Tr			
0301 CHPT	98.1 ON Toronto		
0302 WDCX	99.5 NY Buffalo g		
0305 CFNY	102.1 ON Brampton reggae-rock, (this before their move to CN Tower in Toronto)		
0408 CING	107.9 ON Burlington		
0414 WIVV	101.9 NY Cherry Valley g		

And that's all the dx around here, both mine and yours, that there is to print. Things seem to be picking up lately here in Toronto (today's APR 30) and I predict another good Tr season. The best of dx to all, saul.

# VHF UTILITY DX

Donald L. Blevins  
1657 Essextowne Circle  
Baltimore, MD 21221  
phone 301-391-3408

VHF UTILITY DX....This month's feature will introduce a block of info: Canadian PSB Frequencies. Through research in various publications, I have collected a number of frequencies for Canadian Police and Fire.

Also enclosed is a contribution from non other that our illustrious Editor in Chief Dave Nieman....thanks Dave. His contribution is Buffalo area Police and Fire and was the courtesy of a local high fi and stereo retail outlet. Similar list are available from many electronic retailers and your local area Radio Shack.

The computer has to take a lot of credit for the vast amount of data that is sorted and stored. I hope to make available many similiar features in VHF UTILITY DX....Skip season is upon us and I am still hoping that you will submit loggings, as this is a DX Column..

042.00  
ONTARIO PROVINCIAL POLICE  
VARIOUS LOCATIONS ON  
++++  
042.05  
ONTARIO PROVINCIAL POLICE  
VARIOUS LOCATIONS ON  
++++  
042.22  
ONTARIO PROVINCIAL POLICE  
VARIOUS LOCATIONS ON  
++++  
139.32  
RCMP  
RICHMOND BC  
++++  
139.35  
RCMP  
WHITE ROCK BC  
++++  
139.35  
RCMP  
SQUAMISH BC  
++++  
139.35  
RCMP  
MISSION BC  
++++  
139.35  
RCMP  
MAPLE RIDGE BC  
++++  
139.35  
RCMP  
CHILLIWACK BC  
++++  
139.35  
RCMP  
ABBOTSFORD BC  
++++  
139.77  
RCMP  
CHILLIWACK BC  
++++  
139.80  
WINDSOR POLICE DEPT  
WINDSOR ON  
++++  
140.07  
ONTARIO PROVINCIAL POLICE  
CHATAM ON  
++++  
140.10  
RCMP  
HOPE BC  
++++  
140.13  
RCMP  
FRASER VALLEY BC  
++++  
140.13  
RCMP  
ALDERGROVE BC  
++++  
140.19  
RCMP  
WINDSOR ON  
++++  
140.31  
RCMP  
WINDSOR ON  
++++

140.40  
RCMP  
WINDSOR ON  
++++  
140.64  
RCMP  
FRASER VALLEY BC  
++++  
140.97  
ONTARIO PROVINCIAL POLICE  
WEST GILLIVRAY ON  
++++  
140.97  
ONTARIO PROVINCIAL POLICE  
SIMCOE ON  
++++  
140.97  
ONTARIO PROVINCIAL POLICE  
WYOMING ON  
++++  
140.97  
ONTARIO PROVINCIAL POLICE  
WOODSTOCK ON  
++++  
140.97  
ONTARIO PROVINCIAL POLICE  
WEST LORNE ON  
++++  
140.97  
ONTARIO PROVINCIAL POLICE  
FONTHILL ON  
++++  
140.97  
ONTARIO PROVINCIAL POLICE  
ESSEX ON  
++++  
140.97  
ONTARIO PROVINCIAL POLICE  
AYLMER ON  
++++  
140.97  
ONTARIO PROVINCIAL POLICE  
ANCASTER ON  
++++  
141.195  
ONTARIO PROVINCIAL POLICE  
FONTHILL ON  
++++  
141.195  
ONTARIO PROVINCIAL POLICE  
WYOMING ON  
++++  
141.195  
ONTARIO PROVINCIAL POLICE  
SIMCOE ON  
++++  
141.195  
ONTARIO PROVINCIAL POLICE  
SIMCOE ON  
++++  
141.30  
ONTARIO PROVINCIAL POLICE  
ANCASTER ON  
++++  
141.30  
ONTARIO PROVINCIAL POLICE  
WYOMING ON  
++++  
141.30  
ONTARIO PROVINCIAL POLICE  
SIMCOE ON  
++++

141.36  
ONTARIO PROVINCIAL POLICE  
ANCASTER ON  
++++  
141.42  
ONTARIO PROVINCIAL POLICE  
WEST LORNE ON  
++++  
141.435  
ONTARIO PROVINCIAL POLICE  
FONTHILL ON  
++++  
141.435  
ONTARIO PROVINCIAL POLICE  
CHATAM ON  
++++  
141.45  
ONTARIO PROVINCIAL POLICE  
WOODSTOCK ON  
++++  
141.495  
ONTARIO PROVINCIAL POLICE  
WEST MC GILLIVRAY ON  
++++  
141.50  
RCMP  
HANEY BC  
++++  
141.51  
ONTARIO PROVINCIAL POLICE  
FONTHILL ON  
++++  
141.51  
ONTARIO PROVINCIAL POLICE  
CHATAM ON  
++++  
141.54  
ONTARIO PROVINCIAL POLICE  
WOODSTOCK ON  
++++  
141.555  
ONTARIO PROVINCIAL POLICE  
AYLMER ON  
++++  
141.65  
ONTARIO PROVINCIAL POLICE  
ANCASTER ON  
++++  
141.675  
ONTARIO PROVINCIAL POLICE  
AYLMER ON  
++++  
141.69  
ONTARIO PROVINCIAL POLICE  
FONTHILL ON  
++++  
141.705  
ONTARIO PROVINCIAL POLICE  
WEST MC GILLIVRAY ON  
++++  
141.72  
ONTARIO PROVINCIAL POLICE  
WEST LORNE ON  
++++  
141.875  
BELLEVILLE POLICE  
BELLEVILLE ON  
++++  
142.035  
WINDSOR POLICE  
WINDSOR ON  
++++  
142.035  
LONDON POLICE  
LONDON ON  
++++  
142.11  
BARRIE POLICE  
BARRIE ON  
++++  
142.125  
RCMP  
COQUITLAM BC  
++++  
142.185  
DURHAM REGIONAL POLICE  
OSHAWA ON  
++++  
142.185  
RCMP  
RICHMOND BC  
++++  
142.185  
FOREST POLICE FORCE  
VARIOUS ON  
++++  
142.215  
WINDSOR POLICE DEPT  
WINDSOR ON  
++++  
142.215  
RCMP  
NORTH VANCOUVER BC  
++++  
142.245  
BURNHAMTHORNE POLICE  
BURNHAMTHORNE ON  
++++

142.275  
RCMP  
NORTH VANCOUVER BC  
++++  
142.275  
ONTARIO PROVINCIAL POLICE  
CHATAM ON  
++++  
142.275  
ONTARIO PROVINCIAL POLICE  
ESSEX ON  
++++  
142.305  
RCMP  
SURREY BC  
++++  
142.305  
LONDON POLICE  
LONDON ON  
++++  
142.335  
SANDWICH WEST POLICE  
SANDWICH WEST ON  
++++  
142.355  
ESSEX COUNTY REGIONAL DIS  
ESSEX COUNTY ON  
++++  
142.365  
ONTARIO PROVINCIAL POLICE  
WEST MC GILLIVRAY ON  
++++  
142.365  
ONTARIO PROVINCIAL POLICE  
CHATAM ON  
++++  
142.365  
ONTARIO PROVINCIAL POLICE  
ESSEX ON  
++++  
142.49  
MIDLAND POLICE  
MIDLAND ON  
++++  
142.515  
THORNBUARY POLICE  
THORNBUARY ON  
++++  
142.515  
COLLINGSWOOD POLICE  
COLLINGSWOOD ON  
++++  
142.545  
RCMP  
BURNABY BC  
++++  
142.575  
INNISFIL TOWNSHIP POLICE  
INNISFIL TOWNSHIP ON  
++++  
142.575  
ONTARIO PROVINCIAL POLICE  
CHATAM ON  
++++  
142.575  
ONTARIO PROVINCIAL POLICE  
ESSEX ON  
++++  
142.62  
DURHAM REGIONAL POLICE  
OSHAWA ON  
++++  
142.62  
WATERLOO REGIONAL POLICE  
WATERLOO ON  
++++  
142.635  
BARRIE POLICE  
BARRIE ON  
++++  
142.665  
ONTARIO PROVINCIAL POLICE  
WEST MC GILLIVRAY ON  
++++  
142.665  
ONTARIO PROVINCIAL POLICE  
WEST MC GILLIVRAY ON  
++++  
142.665  
ONTARIO PROVINCIAL POLICE  
CHATAM ON  
++++  
142.665  
ONTARIO PROVINCIAL POLICE  
ESSEX ON  
++++  
142.755  
RCMP  
SURREY BC  
++++  
142.77  
SANDWICH WEST POLICE  
SANDWICH WEST ON  
++++  
142.77  
WINDSOR POLICE DEPT  
WINDSOR ON  
++++

142.07 LONDON ON  
 142.77 ONTARIO PROVINCIAL POLICE ALYMER ON  
 142.77 ONTARIO PROVINCIAL POLICE WYOMING ON  
 142.77 ONTARIO PROVINCIAL POLICE WOODSTOCK ON  
 142.77 ONTARIO PROVINCIAL POLICE WEST LORNE ON  
 142.77 ONTARIO PROVINCIAL POLICE SIMCOE ON  
 142.77 ONTARIO PROVINCIAL POLICE LONDON ON  
 142.77 ONTARIO PROVINCIAL POLICE ANCASTER ON  
 142.785 RCMP RICHMOND BC  
 142.815 DURHAM REGIONAL POLICE OSHAWA ON  
 142.815 RCMP COQUITLAM BC  
 142.815 WATERLOO REGIONAL POLICE WATERLOO ON  
 142.83 ORANGEVILLE POLICE ORANGEVILLE ON  
 142.875 WINDSOR POLICE DEPT WINDSOR ON  
 142.88 LONDON POLICE LONDON ON  
 142.935 RCMP BURNABY BC  
 142.95 DURHAM REGIONAL POLICE OSHAWA ON  
 143.025 VANCOUVER POLICE VANCOUVER BC  
 143.085 VANCOUVER POLICE VANCOUVER BC  
 143.10 DURHAM REGIONAL POLICE OSHAWA ON  
 143.145 NEWESTMINISTER POLICE NEWESTMINISTER BC  
 143.16 ONTARIO PROVINCIAL POLICE LONDON ON  
 143.265 ORILLIA POLICE ORILLIA ON  
 143.295 ONTARIO PROVINCIAL POLICE FONTHILL ON  
 143.295 ONTARIO PROVINCIAL POLICE WYOMING ON  
 143.295 ONTARIO PROVINCIAL POLICE SIMCOE ON  
 143.31 ONTARIO PROVINCIAL POLICE LONDON ON

143.31 ONTARIO PROVINCIAL POLICE LONDON ON  
 143.385 VANCOUVER POLICE VANCOUVER BC  
 143.565 VANCOUVER POLICE VANCOUVER BC  
 143.775 VANCOUVER POLICE VANCOUVER BC  
 143.775 VANCOUVER POLICE VANCOUVER BC  
 148.165 HOSP AMBO TORONTO ON  
 148.36 HOSP AMBO TORONTO ON  
 149.11 BRITISH COLUMBIA AMBO VARIOUS LOCATIONS BC  
 149.17 ONTARIO PROVINCIAL AMBO VARIOUS ON  
 149.17 HOSP AMBO NIAGARA ON  
 149.17 HOSP AMBO ST CATHERINES ON  
 149.17 HOSP AMBO OTTOWA ON  
 149.17 HOSP AMBO MILTON ON  
 149.17 HOSP AMBO BARRIE ON  
 149.17 HOSP AMBO PEMBROKE ON  
 149.17 HOSP AMBO OAKVILLE ON  
 149.17 HOSP AMBO HAMILTON ON  
 149.17 HOSP AMBO BURLINGTON ON  
 149.17 HOSP AMBO BARRIE ON  
 149.17 HOSP AMBO OWEN SOUND ON  
 149.17 HOSP AMBO MISSISSAUGA ON  
 149.17 HOSP AMBO HALTON ON  
 149.17 BELLEVILLE HOSP AMBO BELLEVILLE ON  
 149.17 MIDLAND AMBULANCE SERVICE MIDLAND ON  
 149.17 ORILLIA AMBULANCE SERVICE ORILLIA ON  
 149.17 BARRIE AMBULANCE SERVICE BARRIE ON  
 149.41 HOSP AMBO LONDON ON  
 149.41 HOSP AMBO WINDSOR ON

**BUFFALO AREA DATA**

AMHERST FIRE DEPT 46.26  
 AMHERST POLICE 154.74  
 ANGOLA FIRE DEPT 46.20  
 ANGOLA POLICE 39.18  
 BRASDELL POLICE 155.21  
 BUFFALO FIRE DEPT 154.19  
 BUFFALO POLICE F1 460.325  
 BUFFALO POLICE F2 460.35  
 BUFFALO POLICE F3 460.425  
 BUFFALO POLICE F4 460.475  
 BUFFALO POLICE F5 460.025  
 CHEEKTOWAGA FIRE DEPT 46.23  
 CHEEKTOWAGA POLICE 155.61  
 EAST AURORA FIRE DEPT 46.24  
 EAST AURORA POLICE 155.625  
 LACKAWANNA FIRE DEPT 154.43  
 LACKAWANNA POLICE 460.15  
 LANCASTER FIRE DEPT 46.28  
 LANCASTER POLICE 155.655  
 LOCKPORT FIRE DEPT 149.17  
 LOCKPORT POLICE 155.25  
 NEW YORK DEPT OF TRANS 47.40  
 NEW YORK DEPT OF TRANS 47.32  
 NEW YORK DEPT OF TRANS 47.22  
 NEW YORK STATE POLICE 463.525 (THRUWAY)  
 NEW YORK STATE POLICE 155.535  
 NEW YORK STATE POLICE 155.505  
 NIAGARA FALLS FIRE DEPT 460.525  
 NIAGARA FALLS POLICE 460.375  
 NIAGARA FALLS POLICE 460.125

NORTH TONAWANDA FIRE DEPT 154.13  
 NORTH TONAWANDA POLICE 460.175  
 ORCHARD PARK FIRE DEPT 154.145  
 ORCHARD PARK POLICE 155.19  
 TONAWANDA FIRE DEPT 46.34  
 TONAWANDA POLICE 460.225  
 US BORDER PATROL 163.625  
 WEST SENECA FIRE DEPT 46.24  
 WEST SENECA POLICE 155.25  
 CANADIAN DATA (CONT)  
 CANADIAN DATA (CONT)  
 CANADIAN DATA (CONT)  
 149.41 HOSP AMBO BRAMPTON ON  
 149.41 HOSP AMBO TORONTO ON  
 149.41 THAMES VALLEY AMBULANCE THAMES VALLEY ON  
 149.44 MINDEN AMBULANCE MINDEN ON  
 149.44 HOSP AMBO ADMINISTRATION WINDSOR ON  
 149.44 HOSP AMBO CHANNEL 2 PETERBOROUGH ON  
 149.44 HOSP AMBO TACTICAL BARRIE ON  
 149.44 HOSP AMBO TACTICAL OSHAWA ON  
 149.44 HOSP AMBO ADMINISTRATION OTTOWA ON  
 149.44 HOSP AMBO PAGES MANITOULAN ISLAND ON  
 149.44 BRITISH COLUMBIA AMBO VARIOUS LOCATIONS BC  
 149.44 SIMCOE COUNTY RESCUE 50 SIMCOE COUNTY ON  
 149.44 MIDLAND AMBULANCE SERVICE MIDLAND ON  
 149.44 ORILLIA AMBULANCE SERVICE ORILLIA ON  
 149.44 BARRIE AMBULANCE SERVICE BARRIE ON

# PHOTO-NEWS

David J. Nieman  
12284 Nice Road  
Akron, NY 14001  
USA  
June 1984

PHOTO-NEWS

This months DX photos are from Jim Pizzi, Paul Gaines. We also take a look into Nate Ely's dx shack and antenna system.

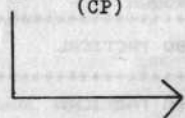


KHZ-TV-5 Cerro Del Zamorano, Gro.  
logged via ES at 840 miles on  
June 3, 1983 (JP)

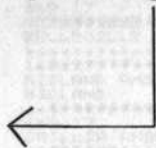


WTXX-20 Waterbury CT 515 mile  
tropo from Sept. 9, 1982 (CP)

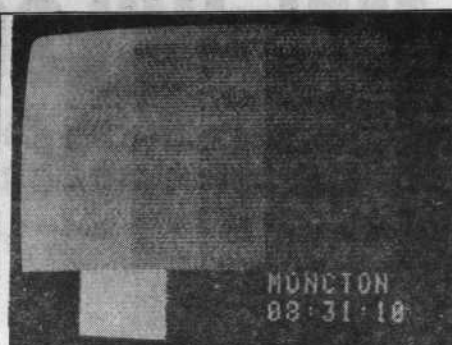
WKPT-19 Kingsport, TN  
405 mile tropo  
from 1981 (CP)



WICZ-40 Binghamton, NY 365 mile  
tropo from Sept. 9, 1982 (CP)



CKTV-2 Regina, SA 1150 mile  
E-skip from 1982 (CP)



GBAPT-1-5 Fredericton, NB 845 mi.  
E-skip from 1982 (CP)

And now on to Nate's dx shack. Pictures are from the summer of 1983. On the left we have a 1980 Zenith System III TV plus assorted powersupplies, traps, switches, Quassar VCR and a Sony ST-5600 FM tuner.....



...on the tower (from top to bottom) we have, Channel Masters 7' UHF dish w/t Wineguards AC-4990 preamp. Below that is a C/M 1110 Quantum & 2950 preamp all on a AR-40 rotor (now using HD-73).

Thanks to:  
Nate Ely (NE) - Madison, WI  
Jim Pizzi (JP) - Lovington NM  
Paul Gaines (CP) - Detroit MI

Dave



# MEL WILSON ON Es: A CLASSIC LECTURE

EDITOR'S NOTE: NO-ONE KNEW THE PHENOMENON OF SPORADIC E-SKIP AS WELL AS THE LATE MEL WILSON. ONE OF THE BEST LECTURES ON THE SUBJECT WAS GIVEN BY MEL AT THE 1970 WTFDA CONVENTION. WE CONTINUE WITH THIS DISCUSSION FROM LAST MONTH, AND CONCLUDE WITH SOME ANSWERS TO QUESTIONS ABOUT E-SKIP THAT MEL ORIGINALLY PUBLISHED IN THE MAY 1975 VHF-UHF DIGEST...

Of course what we would really like to know, and to be able to do, is to predict when and where DX VHF propagation will occur. Unfortunately, I know of no way of doing this. However, it is possible to develop some educated guesses by playing the probability game. Since the birthplaces of intense sporadic-E layer are associated with active weather--that is, with fronts and warm air overriding cooler air, the general weather conditions can give a clue to where, but not if or when, intense sporadic-E layer occurs.

For example, if you're looking for coast-to-coast skip, the probability of it occurring is higher if the weather over the continental United States is dominated by low pressure and active weather. The probability is small if high pressure and stable clear air dominates over the continent. Remember though, that clouds generated over active weather can be blown over high pressure clear air spaces if the moving clouds persist for a long enough time.

In general the birthplaces of intense sporadic-E each day tend to move eastward with the weather; therefore, if you are on the west coast and find a big opening to the north or south, and also east, the probability of double-hop will be much higher the next day. On the east coast, the day following a double-skip day has a higher probability of single hop to the west. Note also that a high pressure area over the southeast United States, due to its clockwise rotation, will bring warm moist air from the Gulf of Mexico over the south central area, and when this air rides over the continental air mass, birthplaces are often formed. Observing weather patterns can be a big help in establishing probabilities, and satellite pictures are especially valuable in determining the location of active weather.

I believe it is impossible to predict when VHF propagation may occur, since, for example, clouds formed beyond your horizon can be blown within it. Nevertheless, you can play the averages for intense sporadic-E that is generated within your area.

The majority of birthplaces occur about 9 a.m. and 6 p.m. local standard time, with minimum peaks at 3 p.m. and 9 p.m. If you are east of a birthplace, times will be a little later, and if west of a birthplace, a little earlier. Also, statistically, there are slightly more afternoon birthplaces than there are in the morning--perhaps due to afternoon thunderstorm activities. You can usually identify a birthplace by the fact that stations heard remain relatively solid for one to four hours; whereas, propagation by moving clouds usually lasts for not more than ten or fifteen minutes for a given station, depending on the geometry of the wavepath. The exception of this, of course, is when you're looking down the track of the clouds.

I find that plotting stations heard is an excellent method for predicting where the clouds might be an hour or two later. Moving clouds over the eastern half of the country appear to travel to the northwest at about 180 miles per hour (290 km/hour), and clouds over the western half move more to the west at the same speed. Clouds usually dissipate for a given day at some north latitude, usually around 45°--although there are exceptions which

make this very exciting. Remember however, that clouds can drop below your horizon (which is around 625 miles, or 1000 km) and although they are still active, you can't take advantage of them unless there are other clouds within your horizon. If they are in line, of course, you can have double skip. It can be most helpful to listen in on 6-meter ham band (50-54 MHz) and find out from the skip stations what areas they are hearing. This gives information on clouds beyond your horizon, and can be very important in trying to predict what you might hear especially the probability of double skip.

Strong backscatter from local signals is important information, since this condition requires a high MUF of a cloud. The stronger the backscatter, the higher the MUF. When this is heard on FM, for example, the probability is high that the high band TV skip stations may be heard.

QUESTION: "Is most Es purely single hop or is it a cloud-to-cloud condition?"

ANSWER: In any widespread opening the probability of a two cloud propagation path is high, especially as the higher frequencies are propagated. When the band at 50 MHz is just open, the chances are that all skip is single cloud. The data I have shows that with very few possible exceptions all reported 144 MHz skip observed over the past 25 years has been cloud to cloud. By far the majority of FM propagation has been two cloud, and many of the 50 MHz and low band (ch 2-6) TV paths have been cloud to cloud. When widespread intense Es is present, the lower frequencies usually have more than one path open simultaneously, both cloud to cloud and single cloud. This causes very strong stations to have very deep fades. Very complex wave paths can develop in such conditions.

QUESTION: "About what percentage of the Es openings that reach TV channel 2 will reach channel 6? FM? Channel 7?"

ANSWER: The general rule of thumb is that doubling the frequency reduces the probability to one-tenth (10%). Thus, if channel 2 is assumed 50 MHz (for the sake of argument), then 100 MHz will be propagated one-tenth the time that channel 2 is open, and 200 MHz (channel 12 high band TV) will be open one-hundredth of the time. However, this assumes a single cloud propagation path. Since most higher frequency propagation paths are multi-cloud, the probability is higher than these figures. The MUF of a single cloud can be below the frequency propagated by a two cloud path. In practice, it is difficult to know of a possible propagation path for the highest frequency because of the geometric restrictions imposed, and unless the observer and the transmitter are in precise relative positions, it will go undetected. In the case of the channel 7 stations, the probability of seeing them is not very good, since there are relatively few of them, and the propagation paths very restrictive. FM stations, on the other hand, are geographically well spread out, have a relatively high density, and openings are observed a high percentage of the time. It is interesting to note that since there are so many more FM stations (than, say, channel 2 stations), an observer may hear FM stations in some openings, and not see any channel 2 stations. This doesn't mean that the band is not open for channel 2, but that there is no channel 2 station for the particular wave path. It is possible that no TV stations can be seen and only FM stations can be heard. (Such information is of great importance when plotting an opening).

The variability of intense Es from year to year is far too great to make any accurate predictions from season to season...If one takes 100 days from the first weeks of May 'til the middle of August, then almost every year, 92 days will be reported open somewhere in the continental U.S. However, the duration and location of these openings vary tremendously from year to year, and this makes it difficult to predict what will be reported. I guess if we really knew it would take most of the fun and enjoyment out of our hobby!

In closing...I hope my comments have given you some food for thought... I hope I have been useful to you in the pursuit of your hobby.



9pm Planning a DXpedition.

Sat. July 21

9-10:30am Concurrent Seminars- (1) Presentations by Experienced MW and SW DX'ers, (2) Bob Grove presents "Monitoring the Spectrum: The Tools and Techniques.

10:30-12noon International Broadcasters Form

1-5pm Choise of (1) Bus trip to the CN TOWER and the CFRB/CPRX transmitter site, or (2) Group discussions and films at the hotel.

7pm Banquet, Awards Presentation and ANARC Raffle.

Sun. July 22

10-12noon Concurrent Sessions for LW, MW, Utility, TV-FM, and PSB Hobbyists.

OR

10am WRTH Quiz with Andy Sennitt

11am Central American Travelogue for MW and SW DX'ers.

1-3pm HAP Auction

3pm Closing Ceremonies

I will be hosting the TV-FM DX session and I will gladly accept any help that any would be willing to offer. Right now the session is scheduled for Sunday between 10am and 12noon. But it is scheduled against the WRTH Quiz and the Central American Travelogue. I may try to get it rescheduled for Saturday Afternoon or during one of the free periods. This will be announced at the convention.

The ANARC Convention is a great place to meet your fellow DX'ers. I hope to see many WTFDA members in Toronto in July.

One DX'ers group in New York City is getting off the ground. Greg Baker in Brooklyn has started the group and they've been quite active. They meet once or twice a month in Greg's apartment. They publish a bulletin that deals with the problems of the urban DX'ers. and they have a telephone hotline for DX tips. For more information write Greg at 4103 Fort Hamilton Pkwy., Brooklyn, N.Y. or call him in the evenings at 1-212-853-1427.

Dave Walcutt likes the idea of a New York area DX get-to-gether. He suggests that we get-together someplace like a restaurant. I'm suggesting the United Nations Building on a Saturday afternoon. If anyone else is interested, please call me. We still have to set a date and a time.

New York City isn't the only place where regional clubs are forming. I've been informed of two groups. In Austin, Texas there's the Austin Area Radio Listeners. Contact Bob Shrades at 1-512-926-9516 for more information. In Milwaukee there's the Milwaukee Area DX'ers. For this group, contact George Moe at 723 S. 5th St., Milwaukee, WI 53204. Please let me know of other regional clubs so I can include them in my next ANARC Update.

The National Radio Club is having their convention during the Labor Day weekend in Colorado Springs, CO. The NRC is the best club for MW (AM) DX'ers. For more information on the convention and about the National Radio Club, write their national headquarters at P.O. Box 118, Poquonok, CT 06064. Send a SASE and mention that you heard about them from WTFDA.

Thanks go out to David Lachenbruch of TV Guide for mentioning WTFDA in the April 7th edition. Also, WTFDA is mentioned in an article on TV DX in the May edition of Popular Communications. The article is by Darren Leno. It gives the basics on TV DX'ing and how to QSL TV stations.

Well enough ramblings for this month. Best of DX this summer.

73's  
Steve  
(and Joyce).

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