

From The STAFF

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

IT'S ALMOST CONVENTION TIME!...In just a few days, the 1984 W.T.F.D.A. Convention will take place. Those of you new to W.T.F.D.A. are welcome --it's a great chance for you to meet your fellow VHF/UHF DXing enthusiasts, and exchange ideas and tips, and maybe even get a look at some QSL and photo collections, DX equipment, and so forth, with the real possibility of having a chance at some great FM and TV DX while you're there. This year's outing is at Jamestown, NY, on a great DX hill about 50 miles south of Buffalo--easily reached via Interstate 90 (take Exit 59 of the NY Thruway, and NY Route 60 into Jamestown). The event takes place August 3rd, 4th, and 5th. Further info can be obtained from your host, Mike Lapinski, at (716)665-6581. Hurry--some last minute accommodations may still be available.

CENTRAL FM-DX...Editor Ralph Strobel has called it quite after a long tenure as a VUD FM DX column editor. Starting in April 1979, Ralph took on the NORTHERN FM-DX section. He has done a consistently superb job for the VUD, and deserves our thanks. FM DX reporters in Minnesota, Iowa, Missouri, Wisconsin, Illinois, Indiana, Ohio, and Michigan are now asked to send their reports to NORTHERN FM-DX editor Saul Chernos, 79 Ridge Drive, Toronto, Ontario M4T 1B6, CANADA.

A REMINDER TO ALL VUD COLUMN EDITORS...The 15th of the month is still the deadline for getting your columns to Akron. Please make sure your copy gets in the mail in time to reach your Editor-in-Chief by deadline. The VUD can not be held up for just one column. Remember, you are reporting news to the W.T.F.D.A. membership, and you are part of a team that has the common objective of getting the VUD into the hands of the membership as quickly as possible. Your fine work is always appreciated. In fact, HQ receives many compliments on the VUD, but this is really the result of many fine editors' work. Thanks, to all of you. This is really your magazine, not just the work of one or two people.

NEW TUNER FOR TV DXING?...Teknika has a new TV tuner/converter on the market that just may outperform most all commercially available TVs on the UHF channels. The converter was on view at recent electronics trade shows, and will be in use at this year's W.T.F.D.A. convention. Watch for a VUD report coming up!

ANTENNA NEWS: A brief look at the Summer Consumer Electronics Show...3
TELEVISION NEWS: Channel 4 in Colby, KS is seen testing.....7
WESTERN TV-DX: June was not an outstanding month for DX.....11
ANARC UPDATE: Travellers, Tourists, and DXers.....17
QSL CORNER: Montana to Ontario connection, verified.....19
EASTERN TV-DX: Ch 29 from Florida seen in Massachusetts!!!.....21
FM STATISTICS: The mid-year stats are in.....26
TV STATISTICS: Have YOU brought your TV stats up to date?.....30
FCC FM NEWS: Some AM band nostalgia.....33
NORTHERN FM-DX: Cable leaks are no picnic.....31
CENTRAL FM-DX: Jeff K. has high hopes for new antenna system.....36
SOUTHERN FM-DX: E-skip slows considerably after June 9th.....37
DX DISTANCE: A computer program to calculate your DX.....40
PHOTO NEWS: Photos of 400 & 500 mile tropo, and 940 mile skip.....41
CCI(UNIDENTIFIED DX): Mid-season network changes confuse DXers.....42

On the Cover: KPSI-FM 100.9 coverage map from Dr. Bruce Elving.

ANTENNA NEWS

Doug Dornbos
3009 Port Sheldon
Hudsonville, MI 49426

August 1984

Dear Fellow DX'ers,

For those not familiar with the electronics business an explanation of what the CES is in order. The consumer electronics industry has 2 annual trade shows where many manufacturers show their wares to retailers and distributors who come to shop for products to resell. These shows are called the Summer and Winter Consumer Electronics Shows, SCES or WCES, or just plain CES, for short. For the past several years the Summer show has been held in Chicago, the Winter show in Las Vegas. The following is a brief look at a few of the DX related items I looked at in Chicago this past weekend-June 3 & 4. This is by no means what I think was the most important stuff there, it's just what I happened to see. Although I spent one whole day looking at TVRO, I don't believe that it has a place on these pages at the present time.

One product I have wanted to see for quite some time is the WinnTenna automobile TV antenna. These jobs mount on a roof or trunk, stick up about 6" above the surface, and look like a wing with about an 18" span. I was very dissatisfied both in the seemingly cheap construction and in the lack of any technical specifications. Two items offered however might be of interest to some of you; a Uhf-Vhf-fm and a Uhf-Vhf-am-fm automobile preamps offering 12-15 db gain.

My annual trip to the Grundig display proved to reassure me that some people still are concerned with quality. Although these products are not real inexpensive, they make for a very nice selection of portable am-fm-sw radios along with a line of more mass-appealing "ghetto-blasters". If you are looking for a portable to get it all, these little German beauties are worth a look.

The only other general coverage receiver I looked at was the Bearcat DX1000. This unit is very eye-appealing and is the scanner company's only product of this type. Every kind of button known to man is on this thing. If you want portability though, this is not the receiver to own. Although it sports a carrying handle there are no provisions for internal batteries. Weight is 17 lbs. As a point of interest, Bearcat was recently bought out by Uniden (from Elektra). Elektra's name will continue on the Freedom Phone. Dennesen was showing their Polaris indoor fm antenna which is still in my opinion the best product in this category on the market. Richard Kaufman the design engineer was not there and since he is a very interesting man to talk to I was somewhat disappointed. The Dennesen Polaris I am told will be reviewed in the August or September Audio magazine.

My next DX oriented stop was the Magnum display. President Manfred Breunig was manning the display and as in past years was a very polite host. New this year is a 750hm version of the Sleuth indoor amplifier. Although this unit has to be indoors and not up at the top of the antenna tower, it is very nice in the fact that it offers a tuning dial on the front giving the user added selectivity which is often needed in the crowded fm band. As a point of interest, Magnum prints a breakdown of who buys their product; 12% are McIntosh owners (topping the list), 10% Pioneer owners, 7% Carver owners, 4% Sony owners, 3% NAD, 3% Marantz, and 1% Sequerra owners. I picked out these brands from the list of 34 because of the interest shown in their products by the DX community. Besides the FM Sleuth, Mr. Breunig has also designed a complete FM tuner chassis which he hopes to sell to receiver manufacturers who do not have their own RF engineering departments and who wish to buy a product manufactured somewhere other than the far east. I was very impressed with the performance and versatility of this unit. It has provisions for a center tune meter, signal strength meter, and multipath meter. Oh that more marketing departments would dictate this last feature on their products rather than flashing lights and nonuseful handles on the face. I can only hope that someone will buy this unit and offer it to hobbyists who wish to "build" a tuner of their own. I forgot to ask if this was a possibility.

This brings me to the DX'ing highlight of the show - the Sequerra 1 FM tuner. Before discussing the equipment I must say that the Sequerra people impressed me VERY much in their hospitality and graciousness in the midst of a hectic business environment. My hat goes off to them for that.

CES (cont.)

Talking about taking things off, the Sequerra tuner will knock your socks off! (in modern vernacular). This is with no doubt the finest fm tuner I have ever had the pleasure of beholding and I don't doubt, in the world. Not only are the RF sections of this tuner of extraordinary quality, the tuner also encompasses an oscilloscope with spectrum analysis, stereo separation, multipath, and center tune functions among others. I am sure that after using a piece of equipment of this caliber, one would never be satisfied with the usual 2 meters again. I mean, knowing what you know now, would you ever go back to using an outdoor toilet again? This unit is so extensive, I cannot attempt going into detail here and quite honestly, without using the Model 1 for a length of time, I doubt one could even begin to realize its' full potential. If you would like more information on this \$5000.00 wonder, write: The Sequerra Company, 3000 Druid Park Dr., Baltimore, MD 21215. Say you read about it in the VUD. For a bit of nostalgia, this year's show had a display of "antique" tv's - my how things have changed. In this display I picked up an interesting piece of paper depicting the growth of tv in this country starting in 1946 continuing to present. Looking at only the last half of this time period (back to 65) we see that 93% of homes had a tv in 65, 98% now. 5.3% had color in 65, 89% do now. What will happen in the next 18 years? So much for this year's summer show. I don't go to Vegas typically due to the distance (\$). I hope that you folks don't mind this momentary departure from a "strictly antenna oriented" column. It won't happen too often.

MEMBER'S INPUT

Thanks to all who bought some of the antenna supplies last month. There's still stuff left if you want it and haven't ordered yet. Thanks too for the kind words some of you wrote in with your orders. I appreciate it. In answer to some questions: I do not know of a source for Finco (Sonim). If someone out there has access to it please write and I'll print it. In future columns I'll print addresses for various manufacturers. The Winegard 20/20 series of indoor antennas will definately outperform rabbit ears. Nate Ely reports that his purchase of the Channel Master 7206 tuneable trap has been a very worthwhile investment as far as getting rid of his interference problems. Tuning the trap without a field-strength meter has been no problem as I had thought it might be. Nate highly recommends this product. John Sulak sent me an article clipped from the May 14 issue of Electronic Engineering Times highlighting a new type antenna developed by Snyder Antenna of Costa Mesa, CA. This design uses a newly styled element allowing it to be resonant over a very broad range of frequencies. It looks very promising to me. It will be interesting to see what impact it has on the market. Thanks John.

MAGAZINE ARTICLES * THE LAST 2

11 Outdoor FM Antennas Analyzed	Audio	Jan 83
How to Make an FM Antenna	Blair & Ketchum's Country Journal	" "
Installing & Repairing TV Antennas	Mechanics Illustrated	Aug "
Switcher Salvation	High Fidelity	Apr 84
Rooftop Rx for TV Ills	" "	Oct 83

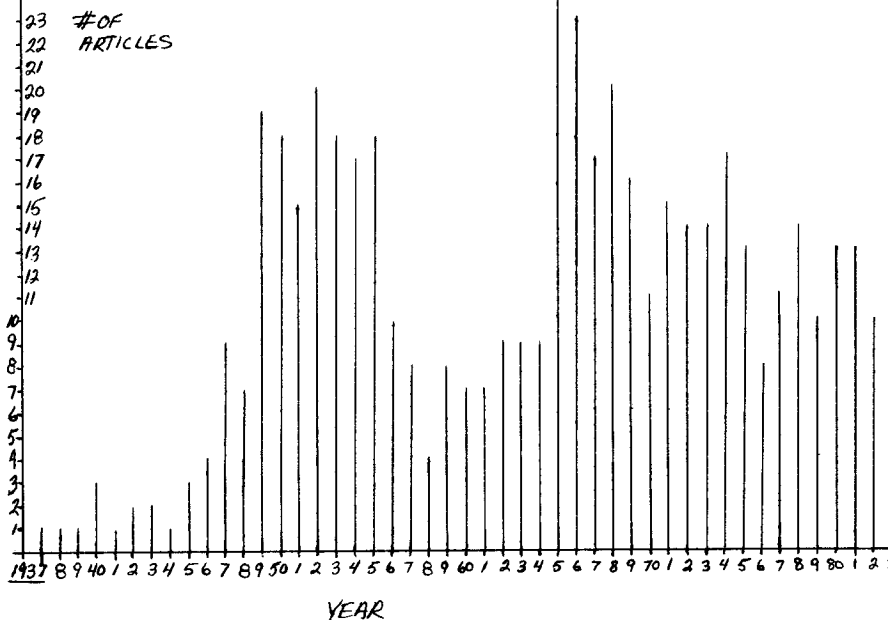
Addendum for past time periods

A \$10 FM Yagi	Audio Amateur	1977 series
Choosing & Installing an FM Antenna	" "	1980 "
Adding a Tower for FM	" "	1981 "

SOME CONCLUSIONS FROM THE MAGAZINE ARTICLE LISTINGS

Subtracting articles dealing with interference of a general nature, amateur radio antennas, and anything else not directly related to TV-FM antennas, I have arrived at some counts for years back to 1935. This should give you a rough idea at how popular a subject this is to the American public.

Conclusions (cont.)



Although not totally accurate, the above graph shows that the average American thirst for antenna knowledge grew rapidly in the 1940's (after WWII) right along with the growth of B&W tv. After a decline in the late 1950's and early 1960's, the effect of color tv shows itself with a big surge in articles which has yet to be matched. One would think that with all the current popularity of video, that antennas would once again be enjoying alot of popularity but such is not the case. Maybe stereo tv will kick it off again...or maybe TVRO really will replace the old stand-by.

THIS COLUMN

This month represents a transition month for the Antenna News column. Since the second month it was published (June 83) the column has retained its' basic format: A little essay, Magazine articles from 1935 to current, Member's input, Theory and practice, and a little current news. For those who have recently joined the club, the theory & practice sections have progressed from mounting to items closest to the receiver back up towards the antenna. Specifically: Antenna mounts (general) June 83, Tripods (July 83), Mast pipe (August 83), Tower (Sept. 83), Rotors (Nov.83), Transmission Line: Balanced/Unbalanced (Dec. 83), Impedance (Jan.84), Baluns/Traps (Feb.84), Product Comparison (Mar.84). Leaving transmission line we go to traps & filters (Apr.84), and lately we've hit preamplifiers pretty hard talking about noise figure (May 84) and bandpass (June 84), wrapping up with input and output configurations in July. Now that we have completed bringing the magazine articles to date and also have discussed antenna systems up to the antenna, this column will start to look at antenna systems in reasonable depth. Starting next month I will hit automobile antennas for a few months and then proceed to home units. If you think that I'm heading off in the wrong direction let me know.

BASIC THEORY:THE DECIBEL (I LIED LAST MONTH!)

Last month I promised that there would be no theory this month, I lied. After thinking about it for awhile I thought that this would be a good place to inject a brief description of the decibel for those who are not quite sure that they understand what it is and are to embarrassed to tell anyone.

The first and probably most important thing to remember is that a db is not a finite unit of measurement such as an inch is or a quart is. It is a unit of measurement much like the per cent is, always dependant upon a reference number. The problem with numbers like percents is that if we do not know what the reference number is, the per cent number can be very misleading. For example, I recently sold a dealer a Channel Master satellite earth station. It was the first one he had bought. After purchasing the system, the dealer had some disagreements with our company and will not purchase Channel Master any longer. Add to this the fact that the receiver on the one system he bought from me was defective. Because he once carried Channel Master but now is selling against it, he tells his customers that the reason he doesn't carry it is because when he did carry it, 100% of the receivers that he got were defective. The problem with per cents is of course that one must know the reference number in order to know how much the per cent is worth.

Enter the decibel! As I said before, the db is alot like the per cent, in fact that's exactly what it is. When talking about TV reception antenna systems, a 6db increase is a doubling of signal. A 6db decrease is a halving of signal. A 12db increase is a quadrupling of signal and a 12db decrease is a quartering of signal. And on we go. If you are puzzling to yourself thinking that you recall seeing somewhere that a 3db gain is equal to doubling your signal, remember that I said we are referring to TV reception antenna systems. I chose my words carefully for a change! A 3db gain is a doubling of signal if the reference number is in watts. If it is given in volts however, as TV antenna receiving systems figures always are, then the 6db mark is where the doubling takes place. One must be careful when tossing these db's around especially when talking about transmitting and receiving antennas in the same breath since transmitting antennas are always referenced to a wattage and receiving antennas to a voltage. So what voltage is it referenced to? you might ask. Antenna gain measurements are always referred to a basic antenna, usually a dipole. For instance if we cut a dipole for 7 and then make a measurement of how many volts of signal we receive with it at a specific location, and then we put a channel 7 yagi up and find that it has received 4 times as much signal voltage as the cut dipole did, we say that the yagi has 12db of gain with reference to a standard dipole. If the gain specification does not tell what it is being referenced to, it is meaningless.

Amplifier gain is very easy to understand since the reference voltage is the voltage coming in. Therefore if an amplifier is specified as having 18db of gain, you know that it amplifies signal by 8 times. Gain in a MATV system is a little different in that an arbitrary voltage is chosen and called zero db with everything under this point being a negative and everything higher being a positive. Note that the negative number does not mean negative signal. The point usually chosen for zero db is 1 millivolt (1000 microvolts), this being the accepted point at which TV tuners are operating at close to maximum.

I will leave you with a formula for finding the voltage gain from db gain and vice versa. Also for non-math types, here is a table showing a few values. Number of decibels=20 Log₁₀ (E₂/E₁) where: E₂ = the output voltage, E₁= the input or reference voltage.

db	times	db	times
6	2X	28	25X
12	4X	31	35X
14	5X	32	40X
17	7X	33	45X
18	8X	34	50X
19	9X	38	80X
20	10X	40	100X
26	20X	50	300X
		60	1000X

Note: If you are working with traps and filters, these numbers become recipricals for the voltage gain and negative numbers for the db. example; if you have a trap that gives 60db of attenuation (-60db with respect to the input voltage), then your output is 1/1000 of the input. Please excuse the "jumpiness" of this month's column as I wrote it in several sittings. See you next month. Thanks for reading. *Don*

TELEVISION NEWS

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

APPLICATIONS FOR NEW TELEVISION STATIONS	
CH	ERP HAAT STATE/CITY/APPLICANT
61	5000 2000 AL Mobile; Mobile TV 61, Inc.
6	100 156 AZ Kingman; Contemporary Communications, Inc.
38	21.8 -409 CA Santa Barbara; Wilshire District Broadcasting Company Inc
21	2286 973 FL Fort Pierce; Florida Educational Television Inc.
52	5000 963 GA Albany; Albany Broadcasters
42	3013 954 IN Bloomington; Area Christian Television, Inc.
42	5000 545 IN Bloomington; Haynes Communications Company
14	1708 480 KS Pittsburg; Family Broadcasting Company
49	2130 1185 KY Paducah; Amos Communications
49	2500 496 KY Paducah; TV-49
65	1000 1500 MD Cumberland; Gary D. Terrell
17	1488 931 NE Grand Island; Family Broadcasting Company Inc.
17	1636 791 SD Sioux Falls; Family Broadcasting Company, Inc.
53	5000 957 TN Cleveland; Cleveland Television Ltd.
53	5000 340 TN Cleveland; Philip B. George
33	720 305 TN McMinnville; Warren County Broadcasters
58	5000 1497 TN Nashville; Dove Broadcasting Company
54	5000 405 TX Austin; Capital City Community Interests, Inc.
CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS	
26	5000 1983 FL Daytona Beach; Life Style Broadcasting, Inc. (Review Board decision)
34	4182 1035 GA Athens; Sunbelt Television, Inc. (Initial decision)
46	5000 1068 IL East St. Louis; Minority Broadcasters of East St. Louis, Inc. (Review Board Dec'n)
62	2760 489 IN Hammond; Pan American Broadcasting Co. (Initial dec'n)
29	1250 430 IN Kokomo; B.G.S. Broadcasting Inc. (Summary decision)
13	309 332 MT Lewiston; Arapahoe Silent Majority Inc.
62	1995 880 NC Asheville; Local Majority TV
53	63 328 OH Chillicothe; Triplett & Associates
24	5000 1610 SC Charleston; Charleston Community Television Ltd.
APPLICATIONS DISMISSED	
FL	Daytona Beach; ch. 26; Daytona Beach Television Associates Ltd.; Daytona Broadcasting Company Inc. (Review Board Decision)
GA	Athens; ch. 34; Sunbelt Television, Inc. (Initial Decision)
GA	Augusta; ch. 54; Orion Broadcast Group, Inc.; Ro-Mar Communications, Inc.; Augusta Family Television Ltd.
IL	East St. Louis; ch. 46; Spectrum Telecommunications Corp. (Review Board Decision)

IN	Hammond; ch. 62; Apogee, Inc.; Cross Country Network; Hammond Indiana TV Inc.; Jovon Minority Broadcasting Corp. (Initial dec'n)
NJ	Burlington; ch. 48; Angelo Roman
SC	Charleston; ch. 24; Charleston Television Partners; Charleston 24 Ltd; South Jersey Radio, Inc.
TX	Dallas; ch. 58; El Canal de La Comunidad
CONSTRUCTION PERMIT MODIFICATIONS GRANTED	
47	45.6 340 MN Rochester; KXLT
38	97.5 1261 PA Scranton; WSWB
64	158 467 PR Naranjito; WART
FACILITIES CHANGES GRANTED	
SC	Columbia; WLTX, ch. 19; Granted Construction permit to increase ERP from 1250 kw max/1046 kw hor. to 5000 kw max.; 1749' AAT/1664' AG/2014' ASL (1081' higher ASL); coordinates 34°05'49" / 80°45'15"; TL 11 miles northeast of Columbia City Limits (13.86 miles difference, on a bearing of N75°E). Should be greater coverage area and better DX.
PA	Erie; WJET-TV, ch. 24; reduce ERP from 2090 kw Max/1150 kw hor to 1120 kw Max (should be slight reduction in signal strength); same TL and antenna height.
NY	Syracuse; WGNV-TV, ch. 24; ERP to increase from 347 kw to 2312 kw max.; 1385' AAT/964' AG/2386' ASL. Same TL, but discrepancies are evident in antenna heights, making it impossible to compare.
APPLICATIONS FOR CALL LETTERS: EXISTING STA'S.	
CH	C.L. STATE/CITY/APPLICANT
6	WLNS-TV MI Lansing; WJTM-TV
15	KSMQ-TV MN Austin; KAVT-TV
CALL LETTERS ASSIGNED: NEW STATIONS	
44	WJTC FL Pensacola; Carnex TV Inc.
24	KSAS KS Wichita; Columbia-Kansas TV Ltd.
9	KWBR UT Ogden; KTTY
20	KXWY-TV WY Casper; Channel 20 Casper Inc.
CALL LETTER CHANGES GRANTED	
26	WMEA-TV ME Biddeford; WMEG-TV
15	KSMQ-TV MN Austin; KAVT-TV
45	WNRW NC Winston-Salem WJTM-TV (as mentioned in last month's FORUM; more on that this month)
21	WXXI-TV NY Rochester; WXXI
60	KEDV TX Harlingen; KZLN
NEW STATIONS ON THE AIR	
IN	Evansville; WEVV, ch. 44. went on the air 11/17/1983; 1313.7 kw max/1095 kw hor; 1037' AAT/979' AG/1449' ASL; coordinates 37°53'16"/87°32'42"; TL State Road #414, east of US Route 41, Henderson, IN; address is Family TV, Inc., 629 Walnut Street, Evansville, IN, 47708.
IL	Decatur; WFHL, ch. 23. went on the air 5/13/1984; 1666 kw max/575 kw hor; 1033' AAT/1046' AG/1736' ASL; coordinates 39°57'04"/88°52'00"; TL near Highway 47, Oreana, IL; address: Decatur Foursquare Broadcasting, 2510 Parkway Court, Decatur, IL, 62526.
OH	Columbus; WTTB-TV, ch. 28. went on the air 6/2/1984; 1916 kw max; 965' AAT/1124' AG/

2044' ASL; coordinates 40°09'33.5"/82°55' 21.5"; TL 6680 State Route #3, Westerville, OH. (David Moody says that transmitter location is 20' west of WOSU-TV, ch 34, and two miles north of Westerville. Because of antenna problems the station is presently operating with about 1000 kw. Address: Commercial Radio Institute, Inc., 6130 Sunbury Road, Columbus, OH.)

CHANGES IN THE TABLE OF CHANNEL ASSIGNMENTS

NY Kingston: add 62+; delete 63+ (Bill Draeb brought this to my attention. I failed to record this last month along with the changes in Syracuse, NY and Newton, NJ. In order to provide New Jersey with more channels, which the FCC has been trying to do for years, ch. 63 was moved from Kingston to Newton, ch. 62 was moved from Syracuse to Kingston, and 68 replaced 62 in Syracuse.)

OK Grove: add 45+

CONSOLIDATED HEARINGS

CA Monterey; ch. 67 (assigned to Salinas-Monterey); Schuyler-Littlefield Broadcasting Company (proposes station in Monterey); Focus Broadcasting of the Monterey Peninsula (proposes Seaside)

NH Roswell; ch. 8; renewal of license of KSWB-TV (owned by KCBD Associates); application for consent to transfer licenses of KSWB-TV and KCBT-TV from KCBD Associates to Caprock Television Inc.; application for consent to transfer license of KSWB-TV from Caprock to The Stanley S. Hubbard Trust; application for new television station by Western Sun Broadcasting Co.

FORUM

Nate Ely reported WFHL, ch. 23, Decatur, IL, now on the air with religious programming. He and Jeff Kadet both saw XEFP, Monterey, Mexico, now on channel 2. Nate reports WRSP-TV, ch. 55 in Springfield, IL, now operating 24 hours a day. He asks, "Will the Xltr guide include LFTV's?" Yes it will. It will include stations on the air and construction permits. It will list ERP for each. I'm still in the process of typing it, and should be finished by the beginning or middle of August. It may be slow coming, but rest assured, it will be here soon. I probably misunderstood Nate's question about K80AW in Dubuque. I have no indication that the translator is planning to change channels, and as far as I know it's still operating. Nate noticed that the old translator list included W56AB in Darlington, WI, which rebroadcasts WMTV, ch. 15 in Madison. But the chief engineer of WMTV says he never heard of it. Is it off the air? Probably not. Most often, station engineers don't know about translators. The Darlington translator is owned by the City of Darlington, and is probably operated by the City Engineer's office. They would have to get permission from the owners of WMTV, not the station engineer. Nate, as well as Bill Draeb are definite about the translators they reported. Let me make it clear that I don't question their reports, nor do I question the

existence of these translators. The problem is that none of my translator lists, nor the Television Factbook, nor the past several years of Television Digest, mention most of them. A few are mentioned as having been applied for, but there is no record of construction permits having been granted. As it stands, nobody seems to know their call letters, and the connection with Iron Mountain and Escanaba seems to be only word-of-mouth. My translator lists caution that they are "unofficial secondary source: use primary source for official information." Here are the translators in question, and anybody with further information please help us out on this. Ch. 60 is transmitting ESPN, but I have no record of an application for ch. 60. Ch. 57 rebroadcasts WLRE, ch. 26. This one is very possibly the former K56BF, which used to relay WLRE. It had expressed an interest in moving to ch. 57, but I don't have record of such an application, let alone a construction permit. Ch. 55 rebroadcasts WBAY, but again, no application. Ch. 61 rebroadcasts WJMN, ch. 3, but scrambles the picture! Again, no application. Ch. 63 shows CBN. This is most likely the former W64AR, which shows WYAH, the flagship station for CBN, and which had applied to change to ch. 63. But I have no record of FCC action on that application. This station is scrambled also. Ch. 65 has ON-TV. I wonder if it could be a translator for WSNS-TV, ch. 44 in Chicago, but again, no application on record. Ch. 43 is probably the former W75AE, which translates WLUK, ch. 11. W75AE applied to change to ch. 43, but again no record of FCC action. Ch. 47 shows MTV, and is scrambled. Here again, no application. So what is happening up there is anyone's guess. I wrote to the company that owns the Iron Mountain translators two weeks ago, but haven't received a reply yet.

Nate also reported a new station: KIDY-TV, ch. 6 in San Angelo, TX. Chief Engineer Edward S. Mateo replied to Nate, "We began serving the Concho Valley of West Texas on May 16, 1984 as the area's only independent television station." Address: 405 South Irving, San Angelo, TX, 76903

Speaking of new stations, Bill Draeb saw KLBV, ch. 4 in Colby, Kansas, testing their transmitter in June, and they planned to go on the air July 1 with regular programming. Nate Ely mentioned to Bill Draeb that KOWY, ch. 5 in Lander, Wyoming, is a satellite of KOWY-TV, ch. 14 in Casper, WY.

New member Rich Berg-Anderson replied to my questions on WOR-TV's sincerity as a New Jersey station. "Is WOR-TV sincere about being a New Jersey station? I think so, considering the circumstances. They seem to emphasize the New Jersey angle on "Tri-State" stories (such as severe weather which hits the Metro area. The other VHF's cover Long Island and Westchester, rarely N.J., on such stories. WOR-TV seems to cover only N.J.)"

"WOR-TV is also loaded with N.J.-oriented programming, such as "New Jersey Report," "New Jersey People," "Nine on New Jersey," and "Newark and Reality." Even old Ch. 9

staple "Meet the Mayors" is now N.J.-oriented." My thoughts of detecting favoritism by its treatment of area codes apparently wouldn't work. Rich points out that there are so many area codes within range of the New York City stations that all ads with telephone numbers include area codes.

Rich asks, "...can WOR-TV be regularly received over-the-air in Bridgeton and Southern N.J.? What effect, if any, does WOR-TV have down there? How do the people down there feel about receiving-or not receiving- N.J.'s WHF station?" Rich also brings up the periodic hostilities between northern and southern New Jersey. Actually, nobody in southern New Jersey watches WOR-TV. When I lived in Somerdale, Camden County back in the early sixties, I could get in New York TV stations sometimes, and apparently so could others, because the local pharmacy gave in to selling New York TV Guides under the counter. Right now, most cable companies carry WOR-TV, but most subscribers look at it as another cable extra. I don't think anybody except the politicians care where the stations are located. Philadelphia supplies all the network programs, syndicated shows and movies, which is what people want. New Jersey Network supplies more than enough New Jersey coverage for most people. There isn't really that much news to report in South Jersey, except for Salem Nuclear Plant shutdowns (upwind from Bridgeton!) and Bald Eagles found in Dividing Creek. Most of the hostilities between north and south are because of the neglect of government funded projects in the south, and environmental regulations like the Pinelands, Wetlands, and Farmlands acts, which stifled development in the southern counties. Despite being a New Jersey resident, I object to the efforts of the New Jersey Legislature and the previous governor to force New Jersey coverage on television stations in other states.

I have been running late these last few months typing this column, and haven't been proofreading before sending it in, and this month's column probably won't be any different. But I really blve it bad last month! I really should be more careful!

John Combs caught a few, which were compounded with a few coincidental similarities. As reported on page 12 last month, WNHT, ch. 21 in Concord, NH, is on the air, and confirmed by George Mileon on page 15. But John Combs was talking about WHNS, ch. 21 in Asheville, North Carolina, which I mistook for WNHT. They came Tim McVey on page 17. I knew that he meant WHNS, but to make things worse, I mistakenly typed 32 instead of 21.

Frank Aden of Portland, OR, reports that KWHP, ch. 14 in Boise, ID, will be on the air soon from a transmitter location near Star, Idaho, which is about 15 miles west of Boise, on the tower of KKIC (AM). KWHP had originally planned to be on Deer Point, northeast of Boise, where the other stations are, but since the other local communica-

tions transmitters are there, KWHP was chased out. Frank heard rumors that KWHP might be limited to one kilowatt. I suspect that being on channel 14 presents interference to services operating just below 470 MHz. Sounds to me like KWHP will have a hard time, what with three network stations on VHF, and nobody in that area what that second channel dial on their television set is for. (UHF? What's that? I'm gonna have to what? I already got an antenna on my roof. Why should I have another? Why can't it? Well, if I get this new antenna, what will I get to see? Remurs of what?!!! But I never liked the Lucy Show! What? Did you say movies? Three times a day? And game shows? Wow!!! Put one on my roof! But my TV only goes up to channel 13. You mean that dial? Funny, I never noticed that dial before.)

John F. Zeig sent some information as well as a few questions. What is the status of ch. 61 in Wilmington, Delaware. I didn't realize it, but ch. 61 plans to build its transmitter just of Woodstown, New Jersey. I tried to find some information on them. Their offices are or were in Pennsylvania, New Jersey, but I couldn't find any listing in the phone book there or in Wilmington. I checked the transmitter site based on the coordinates of their application. Nothing there but a weed-ridden cow pasture and a few run-down barns. What about WBRE (ch. 28 in Wilkes-Barre, PA), which applied for ch. 60 in Bethlehem, PA? I don't have anything on that. John says the application is still mentioned in the 1984 Television Factbook.

I did get some information about channel 24 in Baltimore. I remember shortly after they got their construction permit, Tom Yingling sent me some information about them: They were still raising money to buy a site for their studios and transmitter. I wrote to them shortly after getting John's letter, and already received a reply. (And a coverage map no less!) They have a new station manager: Ken Buschman, who was station manager of WPTT-TV, ch. 22 in Pittsburgh. He was also a news announcer for WEFF, ch. 45 in Baltimore. WJKL-TV, ch. 24, signed a lease to put their antenna on an existing tower (1073' AAT/900' AG/1405' ASL), and will operate with 1180 kw ERP. The transmitter tower is off Route 40, just west of the Beltway, which will give good coverage to Frederick County MD and York County, PA. Leasing the tower will mean a lower initial cost and an earlier air date. They sold the 84 acre property originally intended to be their studio location. Their new facilities will be on South Dolfield Road, Cwings Mills. They applied for a CP modification on 5/22 to cover the changes mentioned above. They hope to be on the air by the end of 1984. It looked as if they were dragging their feet at first, but are now making progress.

John also sent me a list of facilities changes which have already taken place. Unfortunately most have been listed in earlier columns, and won't be repeated, but here are a few that I did not list.

For example, WHNS, ch. 21 in Asheville, NC. which I have tended to confuse with other stations, went back on the air on 4/1/1984, probably with technical figures in their CP. which is: 33.9 kw max; 2509' AAT/1609' AG/5049' ASL. WNBC-TV recently made a change to the World Trade Center, but made a later change since then. Now 17.4 kw max. 1690' AAT/1729' AG/1741' ASL.

Another area of interest mentioned by John is in television stations which are currently off the air, and what their plans are. WCAB, ch. 50 in St. John, IN, was sold, and its new owner has a CP for improved facilities. WWAC-TV, ch. 53 in Atlantic City, NJ, went bankrupt, but mentioned a potential sale. (I suspect this is actually a potential change of hands: the bank is apparently foreclosing on its properties.) WAXA, ch. 40 in Anderson, SC, plans to resume this summer with a stronger signal. KZLN, ch. 66 in Harlingen, TX, went dark last August with no apparent plans to go back on.

To backtrack on a few of the earlier commenters, Bill Draeb had questions about a ch. *34+ in El Dorado, AR. There is already a ch. 34 assignment in Texarkana, TX, which is too close to El Dorado. I questioned it also. Television Digest reported it, but never mentioned the assignment of 43- to El Dorado the same month. The Federal Register mentioned 43-, but never mentioned *34+. Probably Television Digest was mistaken. Frank Aden mentioned that KTDZ, ch. 40 in Portland, OR, is supposed to go on the air later this fall.

John M. Lentz heard WCGV-TV, ch. 24 in Milwaukee, WI, announcing that it was dropping its STV service as of 7/7/1984, and will be another independent commercial station with movies during prime time and some CBS late-night programs. Also, Local Service Television of San Diego, was chosen in a LPTV CP lottery to build a ch. 8 station in Milwaukee, WI, with a 10-15 mile radius coverage area. WFBN-TV, ch. 66 in Joliet, IL, dropped its SPECTRUM STV service on 6/15. They're now broadcasting music videos from MTV all day until midnight. An article he sent from the 7/2/1984 Milwaukee Sentinel expounded on it. Selec-TV, its STV service, had been losing money in the Milwaukee area. The decision was made by Selec-TV, although general manager George Drymalski had objected to the dirty movies shown at night. On Saturday nights WCGV will show horror films hosted by Los Angeles based horror queen Elvira (That's something like Roland or Zacherly, which you older members might remember.)

Larry G. Fugg caught me in another mistake. It was WGTN, ch. 8 in Athens-Atlanta, that changed to WPBS and later rescinded their request after PBS objected. WVEU ch. 69. Larry confirms, was interfering with land mobile radio, and has to foot the bill to have all the land mobile stations change frequency. It was the FCC that assigned ch. 69 to Atlanta when the owners of WVEU applied to have ch. 63 assigned to Atlanta. "So why hold the station liable for any interference?"

With FCC deregulation, almost anyone can file for a new television station, and Larry

is able to help find an available channel or make an available channel (i.e., petitioning the FCC to assign one). Many WTFDA members are already involved with television stations and perhaps others would like to become involved. If interested contact Larry at P.O. Box 3976, Jackson, GA. 30233-0976. He guarantees that he will design transmitter towers above sea level, now below, as certain other parties have been doing. Speaking of which, Larry noticed in the 7/2/1984 issue of Broadcasting seventeen applications for new television stations either directly or indirectly connected with Michael Thurman. Six of them call for 5 kw ERP as usual, for visual, but at the same time propose 50 kw aural! Two applications are for channels where construction permits were already granted. (Actually, I counted five, not including Pine Bluff, AR, which I think is still vacant. Also, There is no assignment for three of those applications, unless the magazine printed the wrong channel.)

Mike Dornier took note of some of the formats evident in television stations lately. Along with the increase of Christian television stations owned by protestant groups, the Roman Catholic Church is also going heavily into television, with KCHF (ch. 11, Santa Fe), KHHS (ch. 46, Guasti, CA), WLAE (ch. 32, New Orleans), KDTU (ch. 27, Tucson), and privately owned WLIG (ch. 55, Riverhead, NY). This seems to include station ownership and programming. Another new format is video music. (I already mentioned WVEU-TV, ch. 69, and WFBN-TV, ch. 66; another person wants to construct a ch. 55 in Lake Dallas, TX, with a video movie format. I question how successful this format will be. While video music will definitely be with us for a while, I suspect that its present popularity may be only a temporary thing. Mike also gave a list of old construction permits with an interesting history of the construction permit for WTVU, New Haven, CT, which was granted on June 24, 1954! A thirty year old construction permit! More on that in a future issue, but I'm trying to keep the summer issues short.

I owe Walter Patton a big apology! I found the missing January letter in a folder with a list of CBC repeater stations. I was updating the repeater list with his information when the translator microfiche came. Then I put the Canadian file aside and forgot all about it. That information will appear in next month's column.

Also next month: more on WTTE-TV, ch. 28, sent in by David Moody; FCC's action on excessively noisy television commercials

If you can dig up the 6/29/84 USA Today, check out page 10A, or whatever the opinion page is in your area. The issue of the day is the recent massive FCC deregulation of the broadcasting industry. I'm still trying to find out exactly what rules were dropped, in addition to the ascertainment of public needs and news coverage. But this will be covered heavily in a few months. If you have an opinion on this, send it in.

WESTERN TV-DX

August 1984

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

Deadline: 9-7-84

There are quite a few reports this month; even though, the consensus of the reporters seems to be that June has not been an outstanding DX month. In fact, many would say that June has been an outstandingly poor month for DX!

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

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

On June 8 (Friday - I took off work), up here at the cabin (Prosit), I had the TV on all day and the following were ID'ed:

June 1984	8 Es 1630	WCED	2 SC	8 Es (MUF 107.5 @ 1944 -TX)		
8 Es 0830	WBRZ	2 LA	1700 WWL	4 LA	1945 CFAC	2 AB
1030	KMID	2 TX	1900 WBRZ	2 LA	2000 WLEZ	2 ME
1100	KPRC	2 TX	1900 CKTV	2 SK	2100 WBRZ	2 LA

This has got to be, in my opinion, one of the least productive June Es months that I can recall in all of my DX'ing years. I have spent a total, so far, of 15 days at the cabin watching the low band, especially channel 2 and have not really seen very much. It seems as if even the 27 MHz CB band had more Es during the winter that it has had during June this year.

Yesterday afternoon, the 25th, I noticed an opening for about half an hour on channel 2. At 1250, I began receiving full color bars with tone. They lasted, with fades, until about 1320. No ID was given on the hour and no call was superimposed over the bars. The direction was south or southwest.

Later on, another opening developed. I noticed it on channel 2 about 1715. At 1730, KUTV-2, Salt Lake City, UT identified. At 1800, KETS-2, Arkansas Public TV was in. Also had a short but intense Es on channels 3-5. Texas was in on channels 4 and 5 with north Texas news, but no ID was noted, and the opening never made it to the FM band as far as I could tell. At 1830, I left the cabin for Minneapolis, as the opening seemed to be fading out. About an hour later, even CB was devoid of skip, so I guess I didn't miss anything!

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

Es continues to be only 'fair' here with most openings weak and/or short duration. Most only made it to channel 4, too.

I saw KLBV-4 testing at 2030 (6/25) with 3/4 color bars. I called the station and was told they had been testing for about 1 1/2 weeks and expected to begin programming on July 1st. Like a nerd, I forgot to ask which network, if any, they would be carrying. On their 3/4 color bars was a bunch of info including their PO box number which is 562.

A long and rather uneventful dry spell for Es from the 10th to the 22nd made June worse for Es here (so far) than May.

May 1984	13 Es 1218	KJACT	4 TX	23 Es/Au 2142	chs 2-4 ne
1 tr 1958	WGRB 34 KY 508	WCEDt	2 SC	2158	KATC 3 LA
	WTVQ 36 KY 473	WSB t	2 GA	2202	KJACT 4 TX
	WKLE 46 KY 473	WESHT	2 FL		WBRZt 2 LA
6 Es 0733	WCEDt 2 SC	unids chs 2 - 4		2227	CKSAT 2 AT
	unids chs 3 & 4				CITL 4 AT
0805	KDBC-4 or KAMR-4	WBRZt 2 LA			unids thru ch 6
(Miss Hispanic Pageant at Eisenhower Jun HS)	1530	KATC 3 LA		2305	CBKFT2t 3 SA
	KDFWt 4 TX	WWL t 4 LA		2307	CFRNT 3 AT
	KTVX 4 UT	WMAB 2 MS		2325	WKRgt 5 AL
0824	%KONSt 3 CO	WDSU 6 LA		2340	CKBit 5 AT
1132	KID 3 ID	1840	KNDX 2 ND	24 Es 0845	unid channel 2
	KSL t 5 UT		KWSE 4 ND	1045	KATC 3 LA
	KUTVt 2 UT	20 Es 1012	unid ch 2 south	1933	KSAF 2 NM
1402	KPRCt 2 TX	1900	unids chs 2-4 s	2027	KPTC 2 TX
	KATCt 3 LA	22 Es 2340	WLBZt 2 ME		KBXTx 3 TX
	KPRC 2 TX		%CHSjt 4 NB		CKATc 3 TX
13 Es 1218	KBTXt 3 TX		unid channel 3	2039	KENW 3 NM
			CKCW 2 NB	2040	KAMR 4 TX

Western TV DX

William Draeb (continued)		7 Es 1455		KUTV 2 UT		S" and overloading	
				KTVX 4 UT		considerably less.)	
				KCWC 4 WY		0745 W51AF 51 IL	
				KTWO 2 WY		(La Salle LPTV)	
24 Es	2118 KNMET 5 NM	1810	21 Es	1615 unids	1815	WWAY 3 NC	
	2128 KWABT 4 TX					WEZ 4 MA	
25 Es	0801 KENWt 3 NM	1620		1900 WPBT 2 FL		WESH 2 FL	
	0803 KWABT 4 TX			1917 WESH 2 FL		KTQVt 2 MT	
	0809 KJRHT 2 OK	1829		2327 KYUST 3 MT		KOUS 4 MT	
	0812 KFDX 3 TX			2335 KXLF 4 MT		KXLYt 4 WA	
	0824 KMID 2 TX		22 Es	0000 KRTVt 3 MT		KTQVt 2 MT	
26 tr	1409 WGRB 34 KY 508	1840		0013 KTYM 6 MT		0020 KLEWt 3(WA)	
27 Es	1956 unid ch 2 south	1900		(DX still in @ 0110 on			
29 Es	0520 unids chs 2 & 3	1900		channels 2-4. I went			
31 Es	1535 unids chs 2 - 4	1903		to bed.)			
	2023 KJRHT 2 OK	1947		1220 KTQVt 2 MT			
	2028 KFDXt 3 TX	2010		KRTV 3 MT			
	2031 WBRZt 2 LA	2100		KOUS 4 MT			
	2031 KDFWt 4 TX	2134		KXLF 4 MT			
	2045 unids chs 5 & 6	2200		unid ed ch 4			
	2100 WSAV 3 GA	2215		KEMet 3 ND			
	2104 WTVY 4 AL	18 Es	1850	WPBT 2 FL			
	2155 KDFW 4 TX		1930	WDIQt 2 AL			
	2159 KKAS 5 TX		1937	WTVJt 4 FL			
	2200 WLBT 3 MS		2028	2000 CITL 4 AT			
	2207 KATC 3 LA		2028	2155 CKRnt 3 AT			
	2226 WABG 6 MS		2115	CKSA 2 AT			
	2230 WDSUt 6 LA		2120	CEXTt 5 AT			
	2315 Almost gone			CEXT1t 6 AT			
June 1984				CFQC2t 6 SA			
2 Es	1956 WPBT 2 FL	9 Es	1400 unid ch 3 south	2245 CKBI3t 4 SA			
	("Cosmic Hotline 854 -		1805 KPRC 2 TX	2300 CEKFT2t 3 SA			
	2222" ID at 2000)		1940 unid ch 4 nw	0000 All gone.			
	2002 WESH 2 FL		(Expos vs Mets, English	23 Es	1240 WESHt 2 FL		
	2005 WEDU 3 FL		commentary. Same on	24 Es	1611 WCBSt 2 NY		
	2009 WRBL 3 GA		channel 6. Other unid		WFSBt 3 CT		
	2010 WTVY-4 or WTVJ-4		chs 2-6. All gone by		1625 WNBCt 4 NY		
	2140 WCIXt 6 FL		2100. Returned 2240	25 tr	0730 WTVQ 36 KY 473		
	2149 WJXTt 4 FL		briefly.)		0800 WXIX 19 OH 400		
3 Es	2105 CKTV 2 SA	11 tr	2115 CKCY 2 ON		Es	1900 KUTV 2 UT	
	unids chs 3 & 4		(Over WBAY-2. Strong		1925 KJACT 4 TX		
4 Es	1930 unid ch 2 south		lake inversion.)		KATCt 3 LA		
	2048 KMOL 4 TX	12 Es	1235 KPRCt 2 TX		1935 KCWct 4 WY		
	2101 KPRC 2 TX		1945 KPRCt 2 TX		1945 KEMet 3 ND		
	KBTXt 3 TX		1955 KMIDt 2 TX		2025 KRTVt 3 MT		
	unids chs 5 & 6	15 tr	0813 WFIE 14 IN 420		2026 KYUST 3 MT		
	2114 KDFWt 4 TX		WEVV 44 IN 420		KLINE 3 NE		
6 Es	2100 KUTV 2 UT		WGRB 34 KY 508		2030 @KLEBY 4 KS		
	KTVX 4 UT		WTVQ 36 KY 473		2038 CITL 4 AT		
	KSL t 5 UT		KDNL 30 MO 432	26 tr	0550 WKYT 27 KY 473		
	KID 3 ID		0828 WBAK 38 IN 348		WTVQ 36 KY 473		
	KMC 4 WY		(Vy strong. Over WCPC		WXIX 19 OH 400		
	2112 KRExt 5 CO		and WPNE. Central IL		WCET 48 OH 400		
	2130 KTW 2 WY		and IN U's snowfree.)				
	2240 All gone, but	17 Es	1139 unids chs 2-4 s				
	returned weakly	20 tr	0054 KDNL 30 MO 432				
	at 2300.		(Removed "Mighty Mite				
7 Es	1305 unids chs 3 & 4						

James J. Stiles, CFAo/NAPK, Box SU/LR ADP, FPO Seattle, WA 98770 (Okinawa) JST

Equipment: Sharp 26" PAL/SECAM/NTSC color model C261-SPN, AOR Ltd. AR-2001 25-550 MHz Scanner, Grove Power-Amp wide-band preamp, three element 50 MHz yagi beam, Grove Scanner Beam.

May 1984 16 Es 1130 C1-C5 unid China
 14 Es 1900 C1-C5 unid China FM to 95.6 China

James Stiles (continued)		3 Es 0830 A4 Yeoso, Korea	
		0930 C1 & C2 unid China until 1930	
16 Es	1830 R1 Vladivostok, Russia	4 Es	1200 R1 Vladivostok, Russia
	1900 C1 Harbin, China		1930 C1 unid China
17 Es	1800 C1-C2 unid China	5 Es	1200 C1 & C2 unid China
25 Es	1200 C1 unid China		2000 C1 unid China
	1815 A2 DWWX Quezon City, Philippines	6 Es	1200 C1 unid China
26 Es	0930 C1-C2 unid China	7 Es	1700 R1 Vladivostok, Russia
	A2 Seoul, Korea		A2 Seoul, Korea
	A3 Jinju, Korea		C2 unid China
	A4 Yeoso, Korea	8 Es	1130 C1 thru C3 unid China
	1015 C3 & C4 unid China		A2 Seoul, Korea
	A5 Seoul, Korea		1800 A2 DWWX Quezon City, Philippines
	FM to 96.4 China		2000 R1 Vladivostok, Russia
	1830 C1 unid China	9 Es	1030 R1 Vladivostok, Russia
27 Es	0800 R1 Vladivostok, Russia		1900 A2 DWWX Quezon City, Philippines
	0830 A2 Seoul, Korea	10 Es	0800 A2 DWWX Quezon City, Philippines
	A3 Jinju, Korea		0830 A4 DGTV Quezon City, Philippines
	A4 Yeoso, Korea		A6 DWHB Baguio City, Philippines
0845	A4 DYBQ Bacolod City, Philippines	0930	A3 DYBW Baguio City, Philippines
	A2 DWWX Quezon City, Philippines		A2 DYHB Baguio City, Philippines
	A3 DYDY Cebu City, Philippines		C2 unid China
0855	A5 Seoul, Korea	11 Es	1700 A2 DWWX Quezon City, Philippines
	C2 & C3 unid China		C2 unid China
	A6 DWHB Baguio City, Philippines		1900 C1 unid China
0900	A6 Masan, Korea	12 Es	1200 R1 Vladivostok, Russia
2E 0910	E3 Malaysia (Double Hop)		A2 Seoul, Korea
	A3 DYDY Cebu City, Philippines	13 Es	1200 C1 & C2 unid China
	FM to 94.7 Philippines		1730 C1 unid China
	1000 FM to 99.5 Hong Kong	15 Es	1200 C1-C5 unid China
	1630 Es continued until this time.		1830 C1-C2 unid China
	1800 R1 Vladivostok, Russia		1900 R1 Vladivostok, Russia
	C2 Changchun, China	16 Es	0900 C1-C2 unid China
	R2 Komsomolsk, Russia		0930 A4 DGTV Quezon City, Philippines
	2000 A2 DWWX Quezon City, Philippines		1500 R1 Vladivostok, Russia
	C3 & C4 unid China	17 Es	1300 C1-C2 unid China
28 Es	0900 C1 & C2 unid China until 1500		1500 R1 Vladivostok, Russia
29 Es	1730 C1 unid China		1600 A2 DWWX Quezon City, Philippines
30 Es	1900 R1 Vladivostok, Russia		A4 DGTV Quezon City, Philippines
31 Es	1200 C1 & C2 unid China	19 Es	1200 C1-C3 unid China
	1700 A2 DWWX Quezon City, Philippines		1830 C1 unid China
	A4 DYBQ Bacolod City, Philippines	20 Es	1700 A2 Seoul, Korea
			1800 R1 Vladivostok, Russia
June 1984		23 Es	0815 R1 Vladivostok, Russia
1 Es	1200 C2 unid China	24 Es	1700 R1 Vladivostok, Russia
	1730 R1 Vladivostok, Russia	25 Es	1700 R1 Vladivostok, Russia
	2200 C2 unid China	26 Es	1130 R1 Vladivostok, Russia
2 Es	0830 R1 Vladivostok, Russia		A2 Seoul, Korea
	1800 C1 unid China		R2 Komsomolsk, Russia
3 Es	0800 A2 Seoul, Korea	27 Es	1900 R1 Vladivostok, Russia
	0830 A3 Jinju, Korea	28 Es	1200 C1-C2 unid China
			A2 DWWX Quezon City, Philippines

Late May and early June provided the best openings thus far this season. On May 27, Es began at 0800 and (with the exception of 1630-1800) continued until 2000 with 2 Es at 0900. A six hour opening occurred the next day, and on June 3, a ten hour opening occurred. However, by mid-June, the duration, intensity, and MUF of openings significantly declined. While conditions now are below average to marginal, openings continue to be logged on a near-daily basis.

(Jim, I am wondering if your listing of DYBW on channel 3 and DYHB on channel 2 both in Baguio City is in error? I don't have a Philippines station list handy; so am, at the moment, unable to check where you may have meant to indicate their locations to be. fm)

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

Equipment: Panasonic 12" b&w, Sony 8" b&w, Panasonic 13" color, Motorola 19" color, Finco P-7 with EU-4S at 70', OM 6' with EU-4S at 35', Winegard 2073 (channels 7-13) with AC-9730 preamplifier at 75', Winegard 2026 (channels 2-6) with AC-9260 preamplifier at 30', plus other antennas.

Western TV DX

Jim Pizzi (continued)

Table listing TV stations and frequencies for Jim Pizzi, including call signs like K16AB, KRGF, KUSD, etc., and frequencies in MHz.

Western TV DX

Jim Pizzi (continued)

Table listing TV stations and frequencies for Jim Pizzi, including call signs like K16AB, KRGF, KUSD, etc., and frequencies in MHz.

Re 6-6 @ 1753: WEAR-3 was announcing to its viewers that 'co-channel interference' was causing viewing difficulty and attributed the problem to 'atmospheric conditions.'

My November 12, 1983 loggings of KSWs on channels 58 and 68 have been deleted from my TV log. As was suggested to me by a fellow DX'er, I now believe these to be transmitter spurs, or whatever, of KSWs-8.

A good report period this time around with a lot of new ones and lots of relogs. Tropo very disappointing this year - nothing beyond the usual 400 miles out.

A pair of birds built a nest between the feed point and sub-reflector on my Channel Master 6 foot dish - but I still have the usual 400 mile tropo scatter.

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

CDT

Equipment: Zenith N1310, Zenith 9" b&w, Channel Master 1110 with CP 3800 preamp, RG-11 at 50', Channel Master 7' dish with EU-4S preamp, .500 cable at 55'

Table listing TV stations and frequencies for Jeff Kadet, including call signs like W51AF, W1SC, etc., and frequencies in MHz.

Jeff Kadet (continued)		21 tr 0530 +KTCL 17 MN 335	22 tr 2345 KXNE 19 NE 365
		0620 K14AF 14 IA 205	23 tr 0022 KUON 12 NE 315
		(Decorah KYIN-24)	0026 KCAU 9 IA 325
18 tr 2330 WTCN 11 MN 335		0635 WQOW 18 WI 235	0035 KEYC 12 MN 290
19 tr 0125 WPTV 24 TN 380		0650 KXLI 41 MN 390	0103 KTTV 4 IA 325
		(Also chs 20,50)	0130 K20AD 20 MN 335
0459 WTVS 56 MI 400	Es 1647 WPMYt 2 NC	1700 WTKR 3 VA 810	(Worthington KSTP-5)
			0630 WTVT 27 IL
0530 WKAR 23 MI 350			(Calls, x-WDDD)
Es 1200 WFBI 2 FL	1718 WCIW 4 SC 790		25 tr 0308 W32AC 32 IN 270
1300 WCBF 2 SC	1732 CBHT 3 NS 1400		("Ax-TV" S/off after
20 Es 1815 XEPM 2 CH	1730 WCIY 6 FL 1185		PTL Club, then CB. No
	1755 CHSJ 4 NS		calls.)
1823 XEFB 2 NL	1834 WECT 6 NC 810		0540 W39AA 39 IN 285
1827 unid channel 2	1858 WVAR 2 MD		(Fort Wayne WBGU-57)
21 tr 0055 WBAY 2 WI 300	1900 WRC t 2 DC		WBGU 57 OH 360
0226 KSTP 5 MN 335	1927 WPBT 2 FL		29 tr 0400 K20AD 20 MN
0343 K14AD 14 MN 380	2000 WUFT 5 IL		(In color for an hour)
(Willmar KSTP-5)	22 Es 0043 CKTV 2 SA 970		0537 unid ch 32 ABC
0405 K15## 15	0120 CITL 4 SA 1275		(Another MN xltr)
(Music Channel)	0126 CBKMT 4 SA 960		Es 2130 XEWO 2 JA
0515 KIMT 3 IA 215	0158 CFRN 3 AT 1425		

I'm not sure if KSTP's translator in Willmar is their only one on channel 14. If it is, then at 380 miles, that's my best catch from Macomb so far. And, where is that Music Channel on channel 15 from (same general direction)????

Mystery XETU-2 seen again this year. I still don't know where it is from. I will count the XEW-2 ID slide seen on the 12th and 29th as the closer XEWO. The distance varies from 1460-1575 miles depending on the map, but I'm sure it was only single hop. CBKMT's ID slide says 'CBC9' and there's a little '4' in the round part of the '9'.

The new dish at 55 feet is a significant improvement over the Super Diamond Quantum at 30'. The furthest regulars are KMEG-14 (330 miles), KSNF-16 (320 miles), and WLKY-32 (300 miles). Milwaukee-18 (225 miles), South Bend-16 (235 miles), and Indianapolis' 40 and 59 (235 miles) are always in and WCAV-30 (365 miles) is always there, but it is usually chewed up by same offset KDNL.

Reluctantly (with a capital 'R'), I have to give up the EU-4S due to images. Peoria 19, 25, 31, and 47 (62 miles ene) and Springfield 20 and 55 (82 miles se) are so bad now that there could be a killer opening during regular schedule hours to the ne/e/se, and I'd be helpless to ID anything. Except for KDNL-30, everything within 175 miles goes off at night, and that's when the EU-4S shines, but so be it. When will technology catch up with TV DX'ing? Glenn Jacobs is getting me a Winegard 4975 and I will use it with the channel 39 signal extractor. Total now 307. 73.

(Jeff, there is only one KSTP translator on channel 14; that being, K14AD. There are, however, two KSTP translators on channel 20. One is K20AD at Worthington, and the other is K20AC at Wadena. Also, regarding your channel 32 ABC, there are two KSTP translators on channel 32. They are K32AE at Long Prairie and K32AF at St. James. K32AF is a powerhouse with a listed erp of 14 kW and is closer to you than K32AE with an erp of 1.62 kW. I wonder if your unid on channel 15 with the "Music Channel" may be W15AB at Rice Lake. The Music Channel is an SPN program, and W15AB is an SPN affiliate. fm)

William Eckberg, RR#4, Dixon, IL 61201

CDT

Equipment: Zenith b&w tube receiver, CM 1110 VHF antenna, CN 7' UHF parabolic with Winegard PA4975 preamplifier on a 30' tower.

May 1984

31 tr 0550 WITV 2 IN 183	7 Es 1830 KFBB 5 MT 1112	13 tr 2230 KAVT 15 MN 222
0608 WEVV 44 IN 270	1848 KRTV 3 MT 1112	14 tr 0003 KBIN 32 IA 327
0645 WFTV 20 IN 214	2240 KWGN 2 CO 811	0615 K14AF 14 IA 162
Es 1605 KMID 2 TX 967	2300 KSAF 2 NM 972	(Decorah KYIN-24)
1608 KSAF 2 NM 972	8 Es 1800 KMID 2 TX 967	19 Es 1123 WPBT 2 FL 1229
	1805 KACB 3 TX 933	1127 WESH 2 FL 983
	1828 XEPM 2 CH 1162	1330 WCBF 2 SC 797
	1850 WDIQ 2 AL 727	tr 2200 WLIO 35 OH 278
June 1984	1920 KSAF 2 NM 972	20 tr 0045 KYFC 50 MO 323
2 Es 1700 KUTV 2 UT 1139	2200 KENW 3 NM 912	0105 KSN 27 IA 355
3 Es 1955 KSAF 2 NM 972	12 Es 2100 KSAF 2 NM 972	21 Es 1640 WLEZ 23 MO 1030
4 Es 2100 WPTV 5 FL 1168	2235 KNAZ 2 AZ 1258	1650 WESH 2 FL 983
2128 KPRC 2 TX 890	13 Es 1100 WESH 2 FL 983	1655 WPTV 5 FL 1168
6 Es 1830 WESH 2 FL 983	1125 WPBT 2 FL 1229	1800 CBHT 3 NS 1272
1858 WPBT 2 FL 1229		
7 Es 1830 KTVQ 2 MT 968		

William Eckberg (continued)

21 Es 1825 WCIX 6 FL 1229	21 Es 2100 WEDU 3 FL 1031	25 Es 1800 XEFB 2 NL 1282
2100 WPBT 2 FL 1229	2200 WDIQ 2 AL 727	1830 KNDX 2 ND 732
	24 Es 1700 WGBW 2 MA 918	1900 KTVQ 2 MT 968

XEFB is on channel 2. I've received and photographed them twice there. I'm only reporting 400 mile plus tropes except for new stations. 300-400 mile tropes common during the month. The test pattern of KOLR-10 at 372 miles is in every morning from 0520-0530. Log at 354 with 11 new.

Fred McCormack, 135 Prairiewood Drive, Fargo, ND 58103

CDT

Equipment: VHF: Broadmoor 9" black & white, Winegard CH-7078; UHF: Magnavox 19" color, Winegard CH-9095, Blonder-Tongue CMA-Uc pre-amp; Alliance rotor.

June 1984

9 Es 1828 WDIQ 2 AL 1195	15 Es 1100 WDTN 2 OH 800	22 Es 2259 CFAC 2 AT 840
1903 unid ch 2 French	1127 WSAZ 3 WV 935	(MUF 96.3 @ 2305 - nw)
2200 WLBT 2 MS 1070	1129 WPMY 2 NC 1150	23 Es 0027 CKSA 2 AT 730
2208 WBRZ 2 LA 1185	1500 unid ch 3 se ABC	0032 CFRN 3 AT 870
2213 KATC 3 LA 1185	21 Es 2354 KREM 2 WA 960	1130 unid ch 2 e NBC
(MUF 93.3 @ 2220 - TX)	22 Es 0059 WAGA 5 GA 1115	1150 CCI to KXJB-4
2230 KPRC 2 TX 1195	0102 WRBL 3 GA 1190	1159 WCBS 2 NY 1210
2234 KBTX 3 TX 1120	(MUF 101.7 @ 0104 - GA)	1402 unid ch 2 NBC
2304 KMID 2 TX 1060	0106 WSAZ 3 WV 935	25 Es 1915 unid ch 5 sw
2305 KFDX 3 TX 900	(Weather radar)	1918 KUTV 2 UT 880
12 Es 1936 unid ch 2 Mexico	0113 WCTV 6 FL 1305	1959 KSL 5 UT 875
2028 KATC 3 LA 1185	(Weather radar)	(MUF 105.3 @ 2026 - SC)
2059 KPRC 2 TX 1195	0115 @WRCE 3 TN 1005	2033 WSAZ 3 WV 935
2231 unid ch 2 XEW	0130 WPMY 2 NC 1150	2034 CCI o/KXJB-4 NBC
13 Es 2006 unid ch 2 Mexico	0151 unid ch 4	2226 unid ch 2 se ABC
14 tr 0541 KTTT 10 MN 310	0757 unid ch 2 NBC	tr 2228 KUSD 2 SD 265
0553 WXOW 19(MN) 340	1123 unid ch 2 sw NBC	29 Es 1927 KMID 2 TX 1060
0558 WHO 13 IA 385	1130 XEPM 2 CH 1180	
Es 1958 KATU 2 OR 1240	1159 KSAF 2 NM 915	July 1984
2005 KLEW 3(WA) 960	1205 XJEJ 5 CH 1180	4 tr 1908 K52AM 52 MN 145
2057 unid ch 2 Mexico	1230 KNAZ 2 AZ 1120	(Roseau KTHI-11)
2100 KPRC 2 TX 1195	unid channel 5	1930 K50AM 50 MN 145
		(Roseau KXJB-4)

June was certainly a dismal month for Es. Like others have commented, I don't believe I have ever seen it as poor. The highlight was probably the unusual late night Es opening on June 22. This opening brought me my first channel 6 Es logging from Fargo. Local WDAY-6 signed off just in time to leave several minutes of WCTV reception. They were displaying a weather radar with the slogan "Live on WCTV" superimposed on it. How's that for luck!

I have indicated unid color bars for my logging of XEJ on the morning of the 22nd. They indeed had no call letters displayed, but instead had telephone numbers on it which checked out as numbers assigned to the station.

Tropo has also been far from outstanding, but for June, I don't suppose it has been as dramatically poor as has been Es. The opening of the 14th would have been a nice one to watch, but I had to go to work. Checking the installation at my office around 1000 - 1100, I noted lots of UHF. It seemed that Madison 15, 21, and 27 were in along with what were most likely Chicago's 26 and 38. Of course, there were also many translators and the more obvious PBS U's.

Worldwide TV-FM DX Association

ANARC UPDATE

STEVEN P. SPRACHMAN
39-16 48 Street
Sunnyside, N.Y. 11104
1-718-937-8721

TRAVELLERS, TOURISTS, AND DX'ERS

I've always wanted to be a traveller. I've wanted to go where I've wanted to without being bound by the constraints of time and money. I've wanted to be able to stay in one place as long as I liked. To be able to explore it until I've gotten bored. And then to move on to wherever my fancy took me.

Unfortunately, I can't do this. I have to worry about how much a trip will cost. I only have a limited amount of time that I can take each year away from work. I have to plan almost every minute of a trip in order to get the most out of it. If I like a place and I want to explore it, I can only stay as long as my plans permit. I am stuck being a tourist. When I'm away, I get a small taste of the place I'm in. I try to savor it as long as I can, but it is never enough.

As a DX'er, I have an advantage over most others tourists. For a few moments of an opening, I can place myself back on a past trip. I can remember the places I saw, the foods I ate, the smells, the sounds. I can imagine myself back in the hotel room listening to a radio station or watching the television. For a few moments, I would get a chance to do one of those things I'd do as a traveller.

For those planning trips this summer, or who have already taken one, I wish you the best of times and I hope you will get to do all that you planned.

Taking a trip is not without its troubles. This leads me to Part 1 of "The Trip To TORONTO, the 1984 ANARC Convention". Originally, I planned to drive to Toronto. Being at least a 12 hour drive, I figured I take July 19 to the 23rd. I submitted my request to my supervisor. A month later, she said "you can have the 19th, 20th but not the 23rd". If I drove, I'd walk in like a zombie, so my wife suggested that we fly. She said we could fly People's Express to Buffalo and rent a car. So we went to the travel agent who was planning our trip to Columbia. She said the off-peak fare is \$27 each way but we'd have to go to Newark Airport at 5 AM. She then told us of a fare on US Air for \$49 out of LaGuardia. I said that we had to think about it. I went to her later in the week to find out about rental cars. She called one company who gave her a rate of \$51 a day. I figured it would be cheaper to drive and walk in like a zombie on July 23rd. So, I went home and called several rent-a-car companies. All gave me weekend rates of \$17 or \$18. This isn't the first time the travel agent gave us wrong information. So, we figured we'll just book our air line reservations with her. We went to see her the following Saturday. We walked in there and it seemed like everyone who knew her was in there. We finally were able to get her assistant to call the airline. This time they told her the fare was \$54 each way. I told her I wanted to check this out. We went home and I called the airline. I got a fare of \$54 going and \$49 return. I booked the flights. I then went ahead and reserved a car. I have since booked our trip to South America and reserved the hotels. We have not gone back to that travel agent. After this experience, I may never go to another travel agent.

Next time, Part II- The Convention.

Here are some DX get-togethers and conventions of interest:

AUGUST 4 The Chicago Chapter of RCMA 1PM at Nancini's Restaurant-5555 St. Charles Rd. Bekeley, IL. For more information call Edward Robert Sirovy at 1-312-969-2856.

AUGUST 4 Washington Area DX Assoc. Cookout and picnic Lucy Woods Park, Arlington, VA. Call Arlene Luskin at 1-301-593-4411 for more information.

AUGUST 4 American Shortwave Listener's Club 10AM--3PM at the club's headquarters - 16182 Ballard Lane - Huntington Beach, CA. Call 1-714-846-1685 for details.

AUGUST 17-19 International Radio Club of America The Annual convention at the Sheraton Westgate Hotel in Toledo OH. IRCA is a club for MW (AM) DX'ers.

AUGUST 21 Austin area Radio Listeners 7PM at the Austin Public Library 4th floor - Room B - Austin, TX

SEPTEMBER 1-3 National Radio Club's annual convention in Colorado Springs, CO. For more information, write to Wayne Heinen - 1642C South Indalia Drive - Aurora, CO 80017

Don't forget to send a SASE with your request and please mention that you heard about it from WTFDA.

I'd like to thank Dave Browne, ANARC's News Editor for letting me know of these upcoming events.

well, it's time to get a new correction pencil.

73's

Steven P Spachman.

QSL CORNER

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

11 WTVD
together

September 19, 1983

TV-QSL copies & others.

WTVD-TV ch. 11, 411 Liberty St.
P. O. Box 2-09, Durham, NC 27702
reply in 1 week from Edward T.
Well, CE. (Fahber)

WOPC-TV ch. 23, P. O. Box 609
Altoona, PA 16603. reply from
John R. Powley, owner reply in
1 month. (Reid)

WETK-TV ch. 33, Burlington, VT
Ethan Allen Ave., Winooski, VT
05404-1097 from Hope S. Green,
GM in 11 days. (Reid)

WTLW-TV ch. 44, 1844 Baty Rd.
Lima, OH 45807 reply from
Roger Rhodes, PD in 2 weeks.
(Reid)

WISH-TV ch. 8, 1950 N.
Meridian St., Indianapolis, IN
46202. reply from John ?
(unreadable) in 3 1/2 weeks.
(Reid)

Mr. Bill Fahber
336 Atlantic Street
Bridgeton, New Jersey 08302

Dear Mr. Fahber:

Thank you for your letter confirming off air reception of WTVD,
Durham, North Carolina.

WTVD uses a maximum TV facility transmitting from atop a 2000' tower, with a circular polarized transmitting antenna, with a nominal radius of 80 miles. Occasionally atmospheric conditions are right to expand the radius usually only for a short period of time, several hundred miles through a phenomenal call cloud ducting.

We would be interested to hear your comments in the future, should you continue to receive WTVD with any regularity.

Our program log entries agree with your reception for September 11 and 12, 1983.

Thank you for your interest in 11 together.

Sincerely,

E. Wall
Edward T. Wall
Chief Engineer

ETW/lam

TV 23 • Color **WOPC** ABC Primary for Altoona • Central Pennsylvania

P.O. Box 609
Altoona, Pennsylvania 16603
Telephone 814-943-2607

September 19, 1983

Mike Reid
109 Arjey Crescent
Willowdale, Ontario
CANADA M2L 1G6

Re: Reception Report

Dear Mr. Reid:

Thank you very much for your letter of August 25, 1983,
concerning your reception report on WOPC at 9:50 AM on August 19, 1983.

Your report is correct as to programming and our ID. What you may not know is that WOPC is operating on only 21 TV signal output power and is perhaps the smallest UHF TV network affiliated station in the USA. We have generally only one man on duty in the control room running the TV station (but also running our 250 watt FM station!!!!).

If you receive us again, we would appreciate hearing from you. We have been fighting with Cable TV systems 15 to 25 miles away that don't wish to carry us for 9 years.

Sincerely,

John R. Powley
John R. Powley
Owner

Sorry folks about missing last month VUD, So this month is an 2-pager! I'm still low on qsl supply to type up. So send some in. The special I did on reporters to the QSL Corner a few months ago, may have an update soon! I got an complete list from Don Erickson & others. Just as soon as I get time I'm going use my computer to print it out.

TELEVISION PSYCHOSIS



EASTERN TV-DX

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

- TX KTXA 21 Arlington, 1712 East Randol Mill Road. Send typed letter from Marilyn Greene, Asst. Program Manager. She said that she was "amazed"! Reply in 1 month for my second reply from the Dallas Fort Worth area at 820 miles! From now on I'm going to address my report to the Chief Engineer. The letters I get from program managers leaves something to be desired. (Ely)
- OH WSPJ 51 Thornville, 10077 Jacksontown Rd. 43076. Letter from Charlotte Reichley, Pro. Dir. in 4 months send personal letter, bumper-sticker, & stn. info.-(Newark, OH) (Ross)
- TX KMD 2 Midland, P. O. Drawer B, 79711. Letter from Grady Woodward, CE in 10 days, with data sheet explaining E skip. This was received on rabbit ears just 20 miles east of WBBM-2 local station. The signal was so strong. (Johnson)
- NY WHEC 10 Rochester, 191 East Ave. 14604. Personal letter from Jerry Evans, CE in 6 months after follow-up. (Ross)
- PA WQEX 16 Pittsburgh, 4802-5th Ave. 15213. Letter from Bob Hollinger, Ast. CE after 1 1/2 years after follow-up report. (Ross)
- NE KLNE 3 Lincoln, Box 83111, 68501. Letter from Bob Sander, CE after 3 1/2 years after follow up report. (Ross)
- SD KOTA 3 Rapid City, Box 1760, 57709. Form letter after 4 years after follow report from Don Larsen, CE. (Ross)
- ONT CITY 79 Toronto, 99 Queen St. E. M4C 2M1. Personal letter from Bruce Cowan, Supervisor after 5 years after follow up report. (Ross)
- IN WEHT 25 Evansville, Box 395, 47703. Personal letter from Elmer Chancellor, Dir. of Eng. in 45 days (Ross)
- VA WAVY 10 Portsmouth, 801 WAVY Street (!), 23704. Letter from Paul W. Hecht, CE in 3 1/2 weeks, he verified main channel & ch. 41 translator. (Fahber)
- WVEC 13 Norfolk, 110 Third Street, 23510. Letter from Richard L. Cannon, CE in 1 months. (Fahber)

below is copy of page 1 of an 2-pager letter from KYUS-TV ch. 3 Miles City, MT that Mike Reid got. Send to P. O. Box 760, zip-59301 to David G. Rivenes, President and GM. Got a reply in 3 weeks.

KYUS

TELEVISION --- Channel 3
MILES CITY, MONTANA 59301



Dec. 20, 1983

Hello Mike,

Your letter of Dec. 12 arrived this morning. Thanks for it.

It's a cinch that you were watching KYUS-TV because we use the slide you pictured all the time. We get reports of reception every now and then from Chicago, Louisville, etc. But we have never had a report from Ontario. You're the first.

For your information, this is the smallest station in the world, in the smallest market. It's also considered to be the unique station---for various reasons. First, we run the station with a total staff of 5 people---my wife and I, plus our grand daughter, plus two young men. That's by far the smallest crew in the business---and particularly small when you consider that we produce up to 5 local half hour shows each day, plus an average of 3 hours per week of remotes.

We have no AP nor UPI, nor any other news service---and don't want any. We have good news only---most of it local or state. We suggest to our viewers that if they want bad news, they should turn to another station.

We work very hard---long hours. For example, I started work this morning shortly after 6 AM, and won't finish until at least 11 tonight. That's 7 days a week. Tomorrow is a busy one for us. We have some commercials to do, plus that ~~NEWS~~: our cooking show, which we do in our own kitchen. Friday we go to a neighboring town to do an hour long program from a school, and yesterday we visited a one-room country school for a 1 hour Christmas program which we will air tomorrow night.

We telecast local basketball tournaments and games, football games, wrestling tournaments, school plays, etc. And we go long distances to get programs---the furthest being to Valley Forge, Pennsylvania, to cover the dedication of a Montana garden by our governor. That's 3000 miles from here.

Our station has been featured on such shows as Real People, To Tell The Truth, The Today Show, NBC Nightly News, 60 Minutes, and also shows on Austrian, German, Japanese, Australian, and Canadian programs. The Canadian program appeared on a show called "W-5", I believe. You may have seen it.

We are also unique in that my wife and I are 71 and 68 respectively---and are active in other things besides television. She is involved in International Women's Clubs, the Scrotopist Clubs, etc. And both of us are involved in lots of sports, having been volunteer coaches of several sports for many years. At present, I'm on the Executive Committee of the World Aekwon Do Federation, President of the Pan American Aekwon Do Union, past president

Reports from DX'ers Bill Fabber, Bridgeton, NJ; Mike Reid of North York, Ont. Canada; Nate Ely of Madison, WI; William H. Johnson, of Clarendon Hills, IL; & Robert Ross of London, Ont. Canada. I wonder how many of you may have noticed that I stopped typing the states in a to z order. Any Comments? What do you want? Which way? This way this month makes it easy for me, for I may miss a state in order, and not get to it much later on. Write in your ideals, with qsl reports. OK? See you in Jamestown for convention 84'.

73's

Tony.

August 1984 Deadline: 1st
W.P. Townshend; 4500 Conn. Ave. NW, Washington, DC, #901, 20008 EDT
June 1984 June 1984
7 Tr 0842 WCAU-10 PA 8 Tr 0825 WTVR-6 VA
0850 WKEX-8 VA 9 Tr 0843 WPMT-43 PA
1000 WPVI-6 PA 0900 WMGM-40 NJ
12 Tr 0544 WYAH-27 VA
2300 WERO-15 VA

The rigs used for the above were: Sony ICF-S5W (bottom end of the FM band); General Electric 7-2924A (pocket receiver; chs. 8 and 10 heard on TV bands of 4 band receiver); Sylvania b&w TV. I also have a Realistic Portavision 12-660 and recently bought a Realistic Portavision 5S 12-778 which has a UHF band.

Frank Wheeler; 6589 Wattsburg Rd., Erie PA 16509 EDT
May 1984 June 1984
31 Es 1500 KWGN-2 CO 1128 7 Es 2359 KQTV-2 MD 779
2320 KSNK-2 KS 1015 8 Es 0900 KJRH-2 OK 943
2323 KNOP-2 NE 1066 1000 KSNK-2 KS 1015
2326 KDUH-4 NE 1138 13 Es 1300 KNOP-2 NE 1066
2329 KSNW-3 KS 953 21 Es 1100 WMAB-2 MS 882
1559 KETS-2 AR 929
21 Es 1600 KTBS-3 LA 1005
1700 WWL-4 LA "
1758 WLBT-3 MS 882
1803 WBRZ-2 LA 1159
1900 WDIQ-2 AL 815
1901 WTUV-4 AL 805

Equipment: Sylvania (1977) color. Antenna-Archer VU160; Servo Rotor. Log totals 289 received-215 verified.

Michael Cunningham; Box 615 Cooper St., Harrisville WV 26362 EST-EDT?

April 1984 May 1984
6 Es 1730 KPRC-2 TX 13 Es 1900 CBFT-2 PQ
Houston Montreal
1756 -----6 14 Es 2230 KNOP-2 NE
Cuba 15 Es 1913 WLBZ-2 ME
1800 WPBT-2 FL 1920 CBGAT-4-2 PQ
1829 WCIX-6 FL Mont-Louis
Miami (Only 62 watts if my info is
1900 WEDU-3 FL t correctl-wd)
1905 WTVJ-4 FL 19 Es 1130 KLNE-3 t
Miami 1205 WPBT-2 t
9 Tr 1759 WGTE-30 OH words "atmospheric interference"
Toledo seen. 1230 KETS-2 AR
22 Tr 0034 WCIX-19 OH Little Rock
Cincinnati 1300 KBTX-3 TX
1305 WDIQ-2 AL
June 1984
May 1984 1 Es 0007 KPI0-6 SD
6 Es 1659 KAMR-4 TX Reliance
Amarillo 1330 KTBS-3 LA
1743 KJRH-2 OK t 1359 WBRZ-2 LA
7 Tr 2100 WKPI-22 KY Baton Rouge
Pikeville 1400 KATC-3 LA
10 Tr 1800 WXON-20 MI t Lafayette
12 Es 1450 KTBS-3 LA 1454 KMD-2 TX
Shreveport Midland
1500 KPRC-2 TX 1518 KDFW-4 TX
13 Es 1700 WGH-2 MA Dallas
Boston 1830 KFDX-3 TX
Wichita Falls 24 Es 1500 KUSD-2 SD
1705 CBHT-3 NS 1505 KTVQ-2 t
Halifax 1530 KPRC-2 TX
1715 WLBZ-2 ME 2200 KWGN-2 t
Bangor 27 Tr 0137 WLWT-5 OH
1745 CHSJ-4 NB Cincinnati
St. John

The Es season is off to very good start here. Thirty-five new stations since my last report. I finally got the tower and antennas up on 5-26. Antennas are CM 7' UHF and CM 1110 VHF. My thanks to Doug Dombas for his letter answering my question whether or not you could put an ant. longer than 10' on a Rohm HBX tower. How much space should there be between ants? Mine are 2 1/2' apart but they don't seem to work very well under normal conditions. (Although it isn't very practical, in order for your CM 1110 to work properly, it should

Eastern TV-DX Cunningham, continued--- August 1984
 be at least 8 1/2' from your dish-wd.) April 13 was a very good day here with a rare Es opening to the NE that brought in excellent pictures. Regarding the question in the June VUD about KPRY-TV changing networks, they were ABC on 5-31 when I saw them and they're listed as ABC in the 15th ed. of the Vane Jones guide.

Saul Chernos; 79 Ridge Drive, Toronto ON M4T 1B6 EDT
 From Burnt River ON:

<u>May 1984</u>	<u>May 1984</u>	<u>May 1984</u>
13 Es 1600 WDIQ-2 AL	21 Es 1226 WPTV-5 FL	24 Es 2000 WPBT-2 FL
1607 WTVJ-4 FL	1700 WESH-2 FL	2030 KATC-3 LA
14 Es 2300 KJRH-2 OK	23 Es 2330 KSRH-6 ND	2330 KPRY-4 SD
2304 KTVY-4 OK	Minot	KDUH-4 NE
15 Es 2100 KSNK-2 KS	KWSE-4 ND	2358 KTWO-2 WY
19 Es 1240 WESH-2 FL	24 Es 1955 WJXT-4 FL	29 Es 1945 WBRZ-2 LA
	1956 WESH-2 FL	
	<u>From Toronto ON:</u>	
<u>May 1984</u>	<u>May 1984</u>	<u>May 1984</u>
7 Tr 0025 CICO-28-28 OM	7 Tr 0030 WUHF-31 NY	12 Es 1510 KPRC-2 TX
0028 WXXI-21 NY	12 Es 1430 WBRZ-2 LA	Houston

Nice start to the season though it died somewhat at month's end. I do very little TV DX in Toronto, mostly while visiting other DXers, heh! I spent most of May 23 opening on FM where I had SA, MB, ON, (NW1), ND, MN, and MT. TV was a mess of signals! 73's and good DX.

Harry Hayes; 9 Henry St., Wilkes-Barre, PA 18702 EDT

Usually when I write a DX report early the band breaks out wildly the next day. Let's hope that this is the case this time. How could a May with so much Es promise turn into the worst June that ever happened? I don't know, but it did. Am I nuts, but wasn't there a time when summer Es was a rather common occurrence? Undoubtedly this year, as in the previous six below average skip seasons there will be those nearby who will be raving about a productive season. This is something which mystifies me about VHF DXers and I'm kind of shy to say it, but almost irks me as well. (I'll have to agree with you Harry. I couldn't have put it any better. I really haven't seen the "intensity" in the Es openings so far this season and there was a long dry spell, about 10 days here, in June when virtually nothing was seen. I suppose there are those who did see a lot of good openings and happened to be in the right place at the right time. Let's hope it gets better before it gets worse.-wd) On the other side of the coin, we still have eight more days to go in June and July as well, so who really knows what 1984 will turn out to be. Also there have been a few nice tropo days, although not as many as one might suspect with all the early hot days. Equipment: Winegard 2-6 VHF yagi in attic w/CM amp. Finco 6' UHF dish with Winegard PA-4975 amp. mounted in attic. RCA ColorTrac 25" TV.

<u>May 1984</u>	<u>June 1984</u>	<u>June 1984</u>
26 Tr 1700 CICA-19 ON	8 Tr 0702 WLVT-39 PA 45	13 Es 1230 KATC-3 LA
Es 2000 KSNK-2 KS	(normally mountain blocked)	1730 WPBT-2 FL
29 Tr 1801 WMDR-47 MD	0705 WTEY-54 NY 80	1756 WTVJ-4 FL
Salisbury	Poughkeepsie	1930 WTVY-4 AL
	(almost snow free)	18 Tr 1730 WVTA-41 VT 215
<u>June 1984</u>	0730 WTVR-51 PA 100	19 Es 1318 WLBT-3 MS
2 Es 2030 KATC-3 LA	(SelectTV promos)	1320 WMAB-2 MS
3 Es 1630 Unids ch.2	WITF-33 PA 100	1330 KTBS-3 LA
8 Tr 0652 WUTR-20 NY 135	0735 WCNY-24 NY 135	21 Es 1045 chs.2&3;
(perfect signal)	(good signal)	gone by 1100.
0700 WCPB-28 MD 150	0900 W71-- NY (WSKG)	
WGCB-49 PA 100	(PTA Liberty NY, fair sig.)	
Red Lion	Es 0930 chs.2-5, intense, short.	

New underlined. Yes, kind of sparse in the skip dept. I'm also unemployed this summer so I keep an eye on the set at virtually all times so you daytime working people can rest assured that you're not missing much, at least here in the north-east. Total now 186 seen. (Harry, I would like to take this opportunity to commend you on your artistic efforts when you draw for the cover of the VUD. I always get a kick out of your drawings and it's unfortunate that more of us aren't gifted like you in that department.-wd)

Eastern TV-DX August 1984

Thomas J. Yingling Jr.; 221 Pinewood Rd., Baltimore MD 21222 EDT

<u>May 1984</u>	<u>June 1984</u>	<u>June 1984</u>
29 Es 2230 KLINE-3 NE	8 Tr 2200 WENY-36 NY	8 Tr 1931 WNJU-47 NJ
Tr 2200 WJMG-40 NJ	2212 WMGC-34 NY	2000 WFMZ-69 PA
Wildwood	2225 WVIT-30 CT	2005 WNJB-58 NJ
31 Es 2230 KLINE-3 NE	2230 WSEK-38 MA	2010 WNJT-52 NJ
	9 Tr 0130 WTEY-54 NY	2030 WSBK-38 MA
	0135 WWLP-22 MA	2035 WNJM-50 NJ
<u>June 1984</u>	0740 WGGT-48 NC	2038 WEDH-24 CT
6 Tr 0100 WTJC-26 OH	8 Tr 2040 WXNE-25 MA	9 Tr 0750 WPCQ-36 NC
Springfield	2045 WLTU-39 PA	0755 WPTF-28 NC
0130 WPGH-53 PA	2050 WLIW-21 NY	0800 WLFL-22 NC
7 Tr 1630 WNYE-25 NY	2100 W59-- NY	13 Es 1700 WEDU-3 FL
1645 WRLH-35 VA	2105 WTXK-20 CT	1730 WEAR-3 FL
1650 WENY-36 NY	2130 WCDC-19 MA	1740 WCIX-6 FL
8 Tr 1930 WNYC-31 NY	2145 WWPB-31 MD	1800 WPBT-2 FL
1945 WXTV-41 NJ		Miami

Equipment: Sony KV-1214 12" color TV. Quantum 1114 at 45'; Finco 5' dish at 50'. Preamps: Winegard BC-234; DX Labs EU-4s; Blonder Tongue CMA-Ub 75 ohm; CDE AR-22L rotor. VCR: Magnavox VHS 8 hour, Model VR8400BK01. Trap: Channel Master #7008 tunable Q trap, low band-FM. Now using EU-4s amp, I got the variable gain model so my locals don't overload it. Also got a VCR to tape my DX on. Now I'm making a video I.D. tape of my DXing. Also using my Timex-Sinclair 2068 computer as my logbook. 73's. See you at Jamestown.

Roy Barstow; P.O. Box 488-T, Teaticket MA 02536 (617)-548-2329 EDT

<u>May 1984</u>	<u>June 1984</u>	<u>June 1984</u>
24 Tr 2100 WHRO-15 VA 440	11 Tr 0650 Unid-14; Spanish Philly?? Tom Yingling, do you know who they are?	17 Tr 1500 WERE-28 270
2115 WBOC-16 MD 340	2200 WUNM-19 NC 595	WITF-33 325
2240 WCPB-28 MD 340	2250 WTVZ-33 VA 440	to WTEY-54 170
2300 W44AD(WTKR)380	WMDT-47 MD 340	12 Tr 2200 WAPB-22 MD 360
		WCPB-28 MD 340
		2230 WETA-26 DC "
		2300 WQCR-50 DC "
25 Tr 0110 W63AM(WAVY)392	0200 Unid-33; religious, appeared same as WHCT-18.	2310 WTVZ-33 VA 440
		2315 WRLH-35 VA 450
		2330 W35AB(WXTV)260
		W44AD(WTKR)380
<u>June 1984</u>	5 Tr 2300 WTVX-34 FL 1110	13 Tr 0005 WERE-28 PA 270
	(in & out to 0140)	0040 Unid-51;NBC,S.
	6 Tr 0125-0135 WFLX-29 FL	0050 W53AA(WCBS)180
	W.Palm Beach 1160 mi.	17 Tr 1300 WMHT-17 NY 190
	0120-0200 Unids on chs.25&44, south. It pays to hang in there. At midnight I was about to throw the big switch with work starting at 7 A.M. that morning.	to WPHL-17 PA 260
		WCDC-19 MA 150
		WTKX-20 CT 125
		WNHT-21 NH
		WLIW-21 NY 170
		to WWLP-22 MA 110
		WDEH-24 CT "
		WIAF-29 PA 260
		WVIT-30 CT 110
		WGGB-40 MA "
		WVTA-41 VT 160
		WEDW-49 CT 135
		WVDS-50 NH 100
		WNJM-50 NJ 195
		WNJT-52 NJ 230
		WEDN-53 CT 80
		WSNL-67 NY 140
		WNEP-16 PA 270
		1700

The highlight of this report is the Florida reception. This being the third opening in the last year. It only took 10 years of DXing and here they came in one year. During the 3 openings coastal VA was in but not very strong at times. Fading was present (in & out) during all openings due to distance and they came late at night or early in the morning. Equipment: Super Bandsaw UHF ant. at 30'; Super Vector hi-band & low-band at 20' & 25'; 50' RG-59 and BT Vaulter Plus III amp. Zenith 17" color TV. Total 290.

Eastern TV-DX

Robert Grant; KDBEN, 5775 Bishop, Detroit MI EDT

June 1984
24 Es 1015 KATC-3 LA
1130 KYCU-5 WY
KFDX-3 TX
1200 KSNW-3 KS
1205 WDAF-4 MO*
Kansas City
1300 KEME-3 ND
KOTA-3 SD
1310 KIVV-5 SD t
1430 KTBS-3 LA
25 Es 0830 KWGN-2 CO*
June 1984
7 Es Unid-3; Cuba or Mexico

August 1984

June 1984
25 Es 1952 KIVV-5 SD (now NBC)
2045 KOWY-5 WY Lander
(Ø offset; local ad; new to air)
2051 KXLF-4 MT t (ABC; Ø offset)
2120 KNDX-2 ND* Dickinson
Total now: 295
* = identified thru local t = tentative

After getting off to a good start in May, early June seemed like a typical early March as far as Es is concerned. However, the last news item in the 6/25 KOTA Newline seen by Es was a real treat. A report about the viewer confusion caused by a switch to ABC the day before. And a report on why KOTA (along with KHSD and KSGW) went ABC because the ratings were better at ABC. (That's what I really love about small-market stations, they're so honest. hi.) If this had been a Detroit station (or other major-market) switching network they would say it was "To serve the community better". Anyway, KIVV/KEVN was seen with it's new logo, the "N" in KEVN being the NBC logo.

The ABC ch.4 Ø offset logging puzzles me a bit. From what I know now, KXLF would be most likely (KOMO and WOAY less so). However, the opening would seem to favor KPRY-4, Pierre SD at the time but that is listed as NBC. Have they changed? (Yes, they are now ABC and were when you saw that..wd). Anyway, the unided ran a tornado warning and I have sent a card to KXLF. About the tornado warning, KXLF's area had good wx at the time and KPRY had severe wx at that time.

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

June 1984
4 Tr WEAR-3 FL (AL) 406
Pensacola
0738 WMBB-13 FL 266
WPMI-15 AL 408
Mobile
WMTX-19 SC 378
WMAA-14 MS 526
Meridian
0743 WMAH-19 MS 484
WCTV-6 FL t
WJHG-7 FL 279
0746 WFSU-11 FL 235
0747 WTVY-4 (AL) FL
Dothan
0748 WTVG-40 FL 225
0751 WMAU-17 MS t
0755 WKRG-5 AL 419
Mobile
0801 WDHN-18 AL 303
0850 WKAB-32 AL 395
Montgomery
0851 WLTZ-38 GA 343
0855 WALA-10 AL 417
Mobile
Es 1045 Noted; no time
1830 " at work
2255 KTVY-4 OK 1063
KSNW-3 KS 1131
Wichita
KOET-3 OK 941
Eufaula
5 Es 0015 KFDX-3 TX 1083
Wichita Falls
0021 KAUZ-6 TX t
June 1984
5 Es 0027 KAMR-4 TX 1289
WOLD-25 SC 379
Columbia
WLTX-19 SC 378
Columbia
0053 WJGL-22 GA 240
WCCB-18 NC 463
Charlotte
WPDE-15 SC 416
0054 WPTF-28 NC 514
Raleigh
Es 1258 Noted; no time
Tr 2307 WSAV-3 GA 240
WTOC-11 GA "
0956 WSAV-3 GA "
0959 WPTF-28 NC 514
(In all by itself; getting to be a regular)
1206 WCSC-5 SC 304
WCIV-4 SC 303
Unid-3
0137 WSAV-3 GA 240
0143 Unid-2; 3/4 c.b. 20
0158 Unid-3; brief, WESH-2; seen at work see notes.
22 Es 0924 KSNW-3 KS 1131
0929 KFDX-3 TX 1083
1028 KWAB-4 TX t
0201 WKPT-40 NC 468
Fayetteville
0215 Quit; exhausted!
2303 WCIV-4 SC 303
25 Es 0809 Unid-8; no idea.
0815 WJHG-7 FL 279
WMBB-13 FL 266
June 1984
6 Tr 0815 WFSU-11 FL 235
WTOC-11 GA 240
WSAV-3 GA "
WLTZ-19 SC 378
WPTF-28 NC 514
WXII-12 NC t
(All weak & unstable; probably tail end; knew I should have checked dx when I woke at 0615!)
Es 1258 Noted; no time
Tr 2307 WSAV-3 GA 240
WTOC-11 GA "
0956 WSAV-3 GA "
0959 WPTF-28 NC 514
(In all by itself; getting to be a regular)
1206 WCSC-5 SC 304
WCIV-4 SC 303
Unid-3
0137 WSAV-3 GA 240
0143 Unid-2; 3/4 c.b. 20
0158 Unid-3; brief, WESH-2; seen at work see notes.
22 Es 0924 KSNW-3 KS 1131
0929 KFDX-3 TX 1083
1028 KWAB-4 TX t
0201 WKPT-40 NC 468
Fayetteville
0215 Quit; exhausted!
2303 WCIV-4 SC 303
25 Es 0809 Unid-8; no idea.
0815 WJHG-7 FL 279
WMBB-13 FL 266

Eastern TV-DX

Combs; continued---

August 1984

Two really great days of both Tr and Es, and then...well, conditions can't be up all the time. That tropo was certainly fun and I hope I got some good photos. The Unid-35 baffles me---the only 35's in that area/direction are PBS and wouldn't normally be on at that hour. In the details have gone to the CCI column. I'd really like to I.D. that one as local WOFL-35 has just announced plans to go 24 hours!

I would like to purchase a used 5 foot dish (not a 7 footer) in good condition. If you have such an animal available, please writ me! 73, John.

George Rogers; 320 Lafayette Rd., Chickamanga GA 30707 EDT

Here is my report for the Eastern TV-DX column. TV DX has been hot down here and it will get hotter in the rest of the summer months. Equipment: Zenith 12" portable model No. ET-120-Y and 1977 model Radio Shack VHF-UHF roof antenna.

May 1984 - 24th Es 1140-1735 KXJB-4, CKX-5, CBWT-2-4, KDLH-3, KWGN-2, CKPR-2, CKRN-4, CHNB-4, CICI-5, CKCY-2, KNOP-2, KSNK-2; 2000 CKND-2. 25th Es 0940-1034 KNDX-2, KTWO-2; 1534 KMID-2. 26th Es 0855 XEFP-2; 1925-2005 CKCW-2, CKPR-2. 27th Tr 0930-0950 WEMG-4,2, WATL-36, WTO-21; Es 2000-2008 KMID-2, XEFP-2. 29th Es 1457 ICR-2 Cuba. 31st Tr 0815-0830 WTBS-17, WTVK-26; Es 1201-1730 KWSE-4, KNDX-2, KBME-3, KGFE-2, KFYR-5, KTWO-2, KWGN-2, KUSD-2, KXJB-4, CKNB-2 KSAF-2, XEFP-2, KOAA-5, KCNC-4, KNOP-2, KDUH-4; 2100-2347 CBFT-2, WCAJ-3, Burlington VT, CKPR-2, CHRO-5, CHNB-4, CFCL-6, KBJR-6, CJIC-5, CBWT-6, CKX-5, WCCO-4, CBWT-2-4, CBWT-5, KDLH-3, CBWFT-7-2.

June 1984 - 1st Es 1105-1205 CKCO-2-2, CFCL-2-2; 2nd 1205-1210 WGH-2, WEZ-4; 1335 KSAF-2; 3rd Es 1130 KPRC-2; 1735 KMID-2; 4th Tr 0930 WKCH-4; 0950 WGRB-3; 1020 WCAJ-30; Es 1025-1120 XHAA-4, XHRPM-2, KMID-2, XEWO-2; 1550 ICR-2; 1715-2309 XEW-2, XHGL-4, XHAJ-5, XHD-4, XHTI-6, XHTV-4, XHGC-5, XHFM-2, KPRC-2, KDBC-4, XEFP-2, XEJ-5, KGBT-4, KRGV-5, KOAA-5, XHRIO-2, KMOL-4, KDFW-4. 5th Es 0820-0935 KSNK-2, KTWS-3, XEFP-2; Tr 0947-0952 WGA-24, WMT-41, WBR-10; Es 1020-1034 XHRPM-2, KMID-2; Tr 1040 WVEU-69; 1042 WFA-30 (ex-WETV); 1045 WMAA-40; 1100 WATL-36; Es 1230-1305 XEFP-2, XHD-4, XHGC-5; 1600-2120 XEPM-2, KSAF-2, XHTV-4, XEZ-3, XEW-2, XEWO-2, KDDB-4, XEJ-5, KMID-2, XHGC-5, XHRPM-2. 7th Tr 0810-0915 WLEX-18, WOLW-15, WGRB-34, WWSB-27, WTVQ-36, WKYT-27; Es 1030-1052 KMOL-4, KENS-5, KMID-2; 1312-1412 KWGN-2, KNOP-2, KOTA-3; 1900-2243 KNDX-2, KFYR-5, KGFE-2, KSRE-6, KPRY-4, KUSD-2, KDLT-5, KIVV-5, KTIIV-4, WDAY-6, KXJB-4. 8th Tr 0815-0835 WXIX-19, WLKY-32, WLEX-18, WKYT-27, WDRB-4; Es 0920-1230 KUSD-2, KTCA-2, KTWO-2, KNDX-2, KFYR-5, KDLT-5, KPRY-4, KBME-3, KGFE-2, KTIIV-4, KPLO-6, KIVV-5, KQTV-2, KOTA-3, KDUH-4, KHAS-5, KNOP-2, KSNB-4, KYCU-5, KWGN-2; 1800-2242 KSAF-2, KNME-5, KGAN-2, XHRPM-2, KMID-2, KTXT-5, KCNC-4, KRMA-6, KOAA-5, XHRIO-2. 9th Es 1126 XHRPM-2; 1956-2040 KNDX-2, KWGN-2. 10th Es 2110-2151 TR-2 Cuba, XEFP-2; 11th 2059-2245 KWGN-2, KSAF-2, KTWO-2; 12th Es 1240-1458 KGBT-4, KPRC-2, KNOP-2, KMOL-4, KMID-2, KAMR-4, KLINE-3, KPRY-4, KSAF-2, KSNB-4, KUSD-2, KXTX-5, KWGN-2, KTIIV-4, KOAA-5, KGFE-2, KSNK-2, KXJB-4 1604-1635 KTWO-2, KSNK-2, KXJB-4; 1828 WLEZ-2; 1928 WGBS-2; 13th Tr 1010-1020 WWSB-27, WTO-21, WEMG-4,2, WMAA-40; Es 1022-1118 KMID-2, KAMR-4; 1912-2033 KSAF-2, KWGN-2, TR-2. 14th Tr 1845-1925 WHIQ-25, WKAB-32, WFYZ-39; Es 2201-2205 KSAF-2, KMID-2. 16th Es 1156-1440 KMID-2, KJRH-2, KENW-3, KACB-3; 2045-2112 XEPM-2, KTXT-5, KDDB-4, XEJ-5. 17th Es 1100 XEW-2; 1605-1608 KPRC-2 KMID-2. 18th Es 0942-1300 XEPM-2, KGBT-4, XEFP-2, KRGV-5, KENS-5, XHAA-4, KMOL-4, XHRPM-2. 19th Es 1500 CKCY-2. 20th Es 1400-1405 KOB-4, KSAF-2; 1725-1950 ICR-2, TR-5, XHGL-4, TR-2, XHTV-4, XEW-2. 21st Es 1032-1131 WGBS-2, CKCO-2-2, CFCL-3-2, CKPR-2, CKCY-2; 1730-2247 WLEZ-2, CKVR-3, WGH-2, CHSJ-4, WZ-4, CBFT-2, WCVB-5, CHAU-5, CKGN-2-2, CBFT-5, CKGN-6 Paris ON, CHRO-5, WGRZ-2, KUSD-2, KNOP-2; 22nd 0938-1330 Es XEFP-2, WBRZ-2, KGBT-4, WGN-2, XHRPM-2; 1850 ICR-2; 23rd Es 1123-1315 XEPM-2, KDDB-4, KMID-2; 24th Es 1800-1850 CBFT-2, CKCW-2, CHSJ-4, CHAU-5-2 Parce PQ.

There were some good Es openings into Mexico the first week in June as well as some good Tropo to Kentucky and I did get a few good Es openings to the Midwest area during the month. I'm still hoping for a high band Es in July. Remember four years ago when on July 17th there was good hi band skip on that day in 1980. (Next time you see some hi band Es, take a picture of it..wd). I will be going to Woodridge IL and Radcliff KY from July 5 thru the 9 for vacation and to see how good TV-DX is up there. Here's hoping the second half of the Es season is as good as the first. Thank you.

Top Es stations received: No. 1 KMID-2-22times down to KNDX, KGFE, XEPM, KGBT, all seen 10 times. Veries in this month: KXJB, KQTV, KMOL, KGAN, KIMP, KPRY, KDLT-5, KDDB-4, KSNB-4.

KEY TO ALL-TIME FM DISTANCE/STATS DXERS INITIAL/NAME/LOCATION (CONT)

JEB	John Ebeling	MN	Bloomington	VBU	Mike Bugaj	CT	Enfield	RWB	Richard Wood	LA	Baton Rouge
JEB2	John Ebeling	MN	Prosis	ND1	Nel Dickerson	MD	Shantown	RWB2	Richard Wood	AT	Medicine Hat
JFE	Joseph Fela	NJ	S. Plainfield	PDY	Pat Dyer	TX	San Antonio	SCH	Sam Chernos	CA	Burnt River
JJE	John Jefferson	CA	Concord	PSA	Peter Sawatzky	ON	Waterloo	SSR	Stu Shade	IA	Sioux City
JJE2	John Jefferson	CA	Pleasanton	RR	Russ Brown	VI	St. Joseph	SRF	S. Remington	CT	New Haven
JJE3	John Jefferson	AK	Anchorage	RDO	Robert Dooper	OK	Oklahoma City	STO	Steve Toaffe	IN	Vincennes
JPI	Jim Pizzi	MA	Lovington	RLE	Rob LeBlanc	LA	Hannover	SWE	Steve West	CA	Havertown
JPI1	Jim Pizzi	CA	Crout	RSR	Rick Sanford	TX	Burnett	TF1	Ted Fleisacker	KY	Woolville
JPI2	Jim Pizzi	CA	Santa Maria	RSB	Bob Schweitzer	NJ	E. Brunswick	TMc	Tim McVey	TX	Edinvar
JSM	Joseph Smith	NY	Johnson City	RSE	Robert Seybold	NY	Dunkirk	VEA	Vernon Eaton	AR	Benton
KS1	Ken Simon	FL	Lake Worth	RST	Ralph Strobel	IN	Muncie	WBI	Waldo Bishop	FL	Tallahassee
LVo	Larry Vogt	VA	Springfield	RSt2	R. Steinberger	MA	Hudson				

Bob Seybold
Bennett Rd. RD#2
Dunkirk, NY 14048

July 1984

TV STATISTICS

Dxer	LOCATION	TOTAL	UHF	XLTR	ES	AU	YB	as of	MS
Bob Seybold	NY Dunkirk	915	436	107	194	6	50	6/84	30
Bill Draeb	WI Kewaunee	887	365	101	190	1	53	3/84	113
Don Ruland	WI Kenosha	525	260	36	91		71	3/84	31
Paul Gaines	MI Detroit	527	249	23	81		73	4/84	28
Marvin Shults	IL Toulion	492	203	27	123		65	1/80	26
Tom Yingling	MD Baltimore	460	228	44	185		70		12
Geo. Rogers	GA Chickamauga	425	83	3	249		80	3/84	7
Jim Pizzi	NM Lovington	412	160	99	153		81	12/83	14
Robert Kramer	IL Chicago	388	160	10	90			8/80	30
Fred McCormick	ND Fargo	394	81	105	113	2	74		1
"	ND Des Lacs	373	28	31	213		64		45
Mike Hollis	AL Enterprise	371	175	11	75		80	5/84	13
Nate Ely	WI Madison	315	180	33	35			2/84	2
Frank Wheeler	PA Erie	289	61	1	122	2	55		5
Mike Lapinski	NY Jamestown	279	202	44	15				
Richard Reese	PA Jersey Shr.	262	45	7	152		79	5/83	28
Fred Nordquist	NY Clay	239	102	11	70		69	7/83	3
Alan Michalek	MA Springfield	216	64	6	101			4/84	
Saul Chernos	ON Toronto	161	6		94		76	3/83	7
"	ON Brant River	60	23		12		79	3/83	
Steve Sprachman	NY Seaford	154	84						
Mike Hogan	IL Burnham	168	88	1	42		73	6/84	
Ron Purdue	MN Byron	130	58	22	26		81	5/83	
Bob Schweitzer	NJ E. Bruns.	156	103	14	4		76		
Mike Cunningham	WV Harrisv.	79	37		8		83	3/84	
Roy Barstow	MA Teaticket	287	145	27	76	1		4/84	4

Some of Don Ruland's personal best:

WLB2-3	Jackson MS	troops	730 miles
WALA-10	Mobile AL	"	830 miles
WMAH-19	Biloxi MS	"	850 miles
W39AB	Greenv. TN	"	510 miles
CERN-3	Edmonton AT	E-skip	1430 miles
WTVN-6	Columbus OH	MS	320 miles shortest MS

Some of Nate Ely's personal best:

KBCI-2	Boise ID	E-skip	1360 miles longest
KAID-4	" "	"	" miles
WFMJ-2	Greensboro NC	"	715 miles shortest
KXTX-39	Dallas TX	troops	820 miles
KXTA-21	" "	"	" miles longest UHF
WTAJ-10	Altoona PA	troops	590 miles longest VHF

That's it for this time. Let's see some updates of your totals soon. Also, see you at the WTPDA convention in Jamestown, NY. Let's see you there.....

73's Bob

FM NEWS

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

Stereo Stations (\$)

GA Carterville WCCV *91.7
IN Covington WFOF *90.3 B (Nat'l Black Net.)
IA Iowa City KRUI *89.5 S (AP Network news)
TX Seabrook KZRQ 92.1
UT Roy KRGO-FM 107.9
PR Mayaguez WAEL-FM 96.1 m, duplicates
WZNT 93.7 San Juan [Music Network]
VI Charlotte Analee WBS 97.9 r, Satellite /

New FM Stations Granted

AK Juneau KTKU 105.1 3800 h.v.; minus 1060'
FL Miami 96.5 10000 h.v.; 920'-initial decision, subject to reversal
IN New Carlisle WLPZ 102.3 3000 h.v.; 160'
IN Petersburg WFOV 102.3 3000 h.v.; 300'
KS Topeka *88.3 35000 h.v.; 240', Stereo, g-Quality Public Broadcasting
MN Ada KHJE 106.3 3000 h.v.; 275'
MN North Mankato KDGO 96.7 3000 h.v.; 300'
NV Carson City KNSS 98.1 5000 h.v.; 2670'
NV Gardnerville-Minden 99.3 3000 h.v.; -730'
OK Ponca City 100.1 KIXR 3000 h.v.; 300'
OR Enterprise 92.1 3000 h.v.; -650'
PA Jersey Shore WJSA 93.5 3000 h.v.; 145', g
SC Ravenel WGOX 101.7 3000 h.v.; 300'
TX Carrizo Springs KOMG 93.5 3000 h.v.; 300'

SCA (67 kHz)

IL Urbana WILL-FM 1FX (prominent data noise behind talking farm news—more prominent than on other stations having the IL Farm Bureau SCA in IL, IN and IA). WILL-TV, ch. 12 confirmed as having a talking book SCA at 67 kHz.
IN Danville WGRF 107.1 1X, adds Indianapolis to its hourly ID, no nonID or slogan in use
IN Indianapolis WAJC *104.5 t talking book
IN Kendallville WBTV 93.3 t music, still m on main carrier
IN Plainfield WXIR 98.3 1X (data noise)
IA Iowa City KSUI *91.7 1X
KY Brandenburg WMMG-FM 93.5 1TM (main carrier or AM affiliate audio); RKO news on main carrier
KY Elizabethton WQXE 100.1 t ABC networks
MI Greenville WPLB-FM 107.3 music
MI Holland WKLD 94.5 no SCA; strict nonID: 94-KLD; in fact, I wonder if calls ever correctly given, even at the top of the hour?
MI Coldwater WNNW 98.5 no SCA (had music)
MI Jackson WJXD 106.1 1X
NE Crookston KINI *96.1 interesting SCA with music and talk to people in rest homes, daily 11 a.m. to 1 p.m. CDT, with announcement at 11 a.m. on main carrier to people in rest homes to turn on your "special receivers."
Main carrier mainly ke, not re, uses K-96 (not strict)
IA Des Moines KMGK 93.3 1X

Formats/Networks

AL Huntsville WAHR 99.1 kr, "Radio-99"
AL Scottsboro WKEA-FM 98.3 k, "K-98"
CA Santa Monica KSRF 103.1 rock
GA Columbus WVCV 102.9 RKO network
IL Alledo WRMJ 102.3 M (actual)
IL Clinton WHOW-FM 95.9 b (beautiful music)
IL Danville WIAI 99.1 UPI news
IL East Moline WLLR 101.3 no Mutual
IL Galesburg WAAG 94.9 S (AP news), no nonID, t F SCA (same as WILL-FM's, except data noise much less prominent)
IL Pekin WGLO 95.3 NBC t G SCA (Moody Radio Network, sponsored by "Central IL Radio Fellowship")
IL Streator WSTQ 97.7 rock

KS Hays KHAZ 99.5 k (not on air yet)
LA Baton Rouge WQXY 100.7 r, dropping b
LA Tioga KICY 98.3 (rock)
KY Fort Knox WWKK 105.5 r (hits), no nonID
MI Birmingham WJMC 94.7 RKO (from Y)
MI Detroit WDRQ 93.1 UPI (from R)
MO Knob Noster KLUX 105.5 k (country), not s
OH Bryan WBNO 100.9 m
NJ Paterson WPAT-FM 93.1 b, "Easy-93"
NC Asheville WRLT 92.3 rock, "Lite-92"
OH Lima WIMT 102.1 t (ABC Information), still T-102

SD Mitchell KQRN 107.3 Mutual, Q-107 (not)
TN Manchester WMSR-FM 99.7 b
TX Avin KACC *91.3 rock
TX Cameron KCRM 101.7 k
TX Childress KQAI 95.9 r
TX Houston KTSU *90.9 no B (no network)
KLTR 93.7 no O (except perhaps for commercials, which don't count here)
PR Aguadilla WIVA 100.3 no English
PR Manati WMLD 96.9 mono, g (ospel)
PR Ponce WIOC 105.1 (Latin) (same format as WIOA 97.5 Mayaguez and WIOB 99.9 San Juan)
BWJ Anguilla, Thenes 100.3 said to be 1000 w, mono, gospel

Call Letters

AK Seldotna 101.7 KENY
AZ Clifton 95.3 KNAI—calls assumed, from incomplete data
AZ Lake Havasu City 105.1 KNDD
AR Texarkana 107.1 KTWN (x-KADO-FM)
CO Grand Junction 92.3 KVEE (KREX-FM; affects 17 translators in CO and UT)
FL Daytona Beach 101.9 WCFI (WDOO)
FL Sebring 105.5 WCAC (WSKP)
FL Tampa *90.5 WECH
IL Granite City 106.5 KWK**FM (KWK-FM)
IL Pecora 105.7 WWCT (never changed to WOTF)
IN Bloomington 92.3 WTTS (WGTC)
IN Vevey 95.9 WCVK (WAVV)
KS Garden City 97.3 KJLQ (KBUF-FM; still using old calls and "97-Country" nonID; has Satellite Music Network for music, news)
KY Hazard *90.9 wekh
KY Louisville 106.9 WVEZ (not to go to WRAK), staying beautiful
KY St. Matthews 103.1 WRAK (not to go to WVEZ), nr
LA Shidell 105.3 WLTS, r, "Lights"
LA Vamado 92.7 WBOJ
MO Seligman 95.3 KHHK
NE Columbus 101.1 KLIR (KOXI), still using old calls as of 7-3-84, but "FM-101" now strictly used, except on the hourly ID
NE Imperial 103.1 KKEI
NY Canton *96.7 WJGT (WLSU)
NC Durham 107.1 WFXC (WDBS)
OK Ardmore 92.1 KEBQ (KELS)
OR Cave Junction 102.7 KGGG (KIVR-FM)
OR The Dalles 97.7 KMCO
RI Block Island 99.3 WITQ
SC Goose Creek 94.3 WLNb (WJX), rock
SC North Charleston *90.7 WYFH
SC Ridgeland 104.9 WXRY**FM
TX El Paso *88.5 X XCR
TX Home 94.3 KHRR
VT Brattleboro 96.7 WTSAA**FM (WMMJ)
VA Warrenton 107.7 WMJR (WWWK)
WA East Wenatchee 97.7 KYSN (KTRW); also carries three translators

WI Reedsburg 104.9 WNFM (WRDB-FM)
AR Mountain Home KGH 105.5 1700 h.v.; 415'
CA Oakhurst KAAT 107.1 280 h.v. (1070')

CT Monroe WMNR *88.1 11000 h.v.; 240'
FL Fort Myers WSWF *90.1 815' (10000 h.v.)
FL Panama City WKGC-FM *90.7 10000h.v. (3400)
GA Atlanta WPCB 94.9 970' (9800 h.v.)
GA Brunswick WGGG 107.0 10000 h.v.; 450'
GA Statesboro WGGC *91.9 (from 107.7) 1000 h.v.; 150'
IN Franklin WFCI *89.5 1000 (h); 140'
NC Phillipsburg KKAN-FM 95.3 150' (3000 h.v.)
LA Houma KCIL 107.5 (from 107.1) 10000 h.v.; 65'

MI Fremont WSHN-FM 100.1 2000 h.v.; 355'
MI Greenville WPLB-FM 107.3 450' (50000 h.v.)
MI Holland WYXX 96.1 20000 h.v.; 500', reduces coverage
MI Tawas City WKJC 99.3 (from 103.9—although Mike Dorer claims it is to go to 104.7 as a new Class A on a B/C channel)
MI St. Peter KSCG *90.5 75000 h.v.; 710'—expects to be on the air Aug., 1984, as is to be WIRR *90.9 Virginia-Hibbing MN)
MI St. Louis Park KDXL *105.7 (from 91.7)
MI St. Peter KSCG *90.5 75000 h.v.; 710'—expects to be on the air Aug., 1984, as is to be WIRR *90.9 Virginia-Hibbing MN)
NE Omaha K285-104.9 (KBWH Blair t-not K286C 105.5; 104.9 is close on dial to local KESY-FM 104.5 Omaha) On air!
NY Southampton WSBH 95.3 2600 h.v. (370')
NC Wilson WXYI 106.1 89000 h.v.; 1370' (15000)
OH Alliance WDJQ 92.5 50000 h.v.; directional / OH Beavercreek WYMI-FM 103.9 1500 h.v.; 405' TX Conroe KJQJ 106.9 1230' (100000 h.v.)
TX Giddings KGID 101.7 330' (1800 h.v.)
TX Houston KMJQ 102.1 (from Clear Lake City—happened in 1983, even though " " " " " ceased to exist as a political unit in 1963!)

Slogans, nonIDs

DC Washington WDDC-FM 101.1 back to DC-101
IL Des Plaines WYEN 106.7 no nonID
IL Farmer City WZRO 98.3 Z-98
IN Anderson WLHN 97.9 no nonID
IN Covington WVWV 103.1 FM-103
IN Indianapolis WXTZ 103.1 no nonID
IN Lafayette WASK-FM 105.3 K-105
IA Grundy Center KGCI 97.7 FM-98, m
KY Jeffersontown WJVL 107.1 FM-101 (very strict—calls not even heard on hour—I sent one of my famous blasting postcards to them; now soul music, not rock)
KY Louisville WLRS 102.3 no nonID
MD Baltimore WLIF 101.9 Life
MI Flint WCRZ 107.9 Cars-108, m, no network
MS Kosciusko WKOZ-FM 105.1 Stereo-105, still k
NM Farmington KRAZ 96.9 FM-96
NC Asheville WRLX 99.9 FM-99
NC Kannapolis WJZR 99.7 Z-100
PA Philadelphia WYSP 94.1 94-YSP
TN Nashville WLAC-FM 105.9 no nonID; uses 106-WLAC-FM

Deletion

UT Mantt KSME *90.7
Multi-City Identifications in Use
IN Elkhart WVPE *88.1 adds South Bend
IN Evansville WNNI *88.3 adds Henderson-Owensboro (KY)
IA Ames KEZT 104.1 adds Des Moines, no nonID
MI Jackson WJMB 94.1 adds Lansing, t X SCA
NC High Point WGLD 100.3 adds Greensboro-Winston Salem
PR Aguada WRFE 105.5 adds Mayaguez, now g
PR Aguadilla WTPM 92.9 adds Mayaguez, bg
PR Guayama WSR 106.9 adds San Juan, b
PR Fajardo WDOY 96.5 adds San Juan

NORTHERN FM-DX

Saul Chernos
79 Ridge Drive
Toronto Ontario
Canada MAT1B6

August, 1984

READERS' REPORTS

FCC-FM
Off Air and Not DX Ready
IA Des Moines K269AC *101.7 (KF60-FM)
IA Eldridge K274AA *102.7 (KUNH)
NE Aurora KIAE 103.1 (left recorded message
with them; they haven't called back)
VI Charlotte Amalie WSTT 101.1

INDIANA COUNTIES GOING ON EASTERN
DAYLIGHT TIME (in addition to those shown on
the FM Atlas): Clark, Dearborn, Floyd

660 [daytime] Omaha (now KCRO, G)... In the army, he hung around PXes and noted that the GIs kept playing the same records. Even the waitress would play the same ones after closing. When he returned home after service, he persuaded his father to mortgage the successful family farm to buy KOWH, which was for sale. The station became an immense success, beating out WOW and KFAB. WTX, meanwhile, was a founding classical music station on 1450. Storz bought it, and wondered if his format would work in the large cosmopolitan, multi-ethnic market that is New Orleans? Well, I was 14 when Storz came to town in 1953. The station was an immediate sensation. Popular music 24 hours a day, remotes, incredible cash give-aways—it was top 40 at its finest. In 1958 Storz bought a weakened independent on 690, WVEZ, transferred the WTX call to it and built the station up to 10,000 watts. For almost 25 years WTX was No. 1—its closest competitor, WNOE 1060, never able to beat it. Many other competitors gave up—WJBW, WDSU, WSMB, WNNR, WIXO (FM), WRNO (FM). Recently, WTX, the flagship of Storz's 6-station fleet and nationally celebrated as 'the granddaddy of all top 40 stations' was sold. The new owner, Price Custus of New York City, is planning format changes, and the local newspaper writes of large staff defections and low morale. What happened? Simply this—FM beat the hell out of it. First, WTX slipped to second; then third, then somewhere down near 6th on Arbitron's list. By August, 1983, it was no longer in the top ten. Surely, Bruce, this is a watershed in the story of radio. WTX—nationally known as the first of the real top 40ers, the format that saved the radio medium in the glory days of television growth, is gone. At least, the WTX we knew. And FM did it in... WABC New York was a marvel, too, but it—and WLS Chicago—were inspired by WTX!

Other news from Mike: "Public Radio in Mississippi" no longer identifies each of its stations, but only uses the network title and its Jackson address, with live weather announcements. I assume they have FCC authorization. Strange—I hope this is only a temporary arrangement, but knowing the Fowler FCC, I would not be surprised with any rule coming out of it that may make call letters' announcing and even having calls unnecessary. See earlier reports on WJYL and WKLQ, previous page. If this is the case, I think we as DXers should get together and protest to the FCC and to the individual stations—perhaps a good idea for ANARC to take up at its convention.

Mike was disappointed that only about 12 high power allotments were made in the proposed FM channel assignments, the rest being Class A. Mike claims that both WKJC 103.9 Tawas City MI and KERG 100.1 Garberville CA are being given new assignments—WKJC to 104.7A and KERG to 100.3 C.2. I have seen nothing official on either of these, with FCC microfiche saying WKJC is going to 99.3, so that is where I am placing it for now. With WKJC moving, 103.9A is available at Sebewing MI. KERG wants improved coverage in its mountainous area; the present Pratt Mountain transmitter site will be retained.

KURU *89.1 San Antonio is delayed in coming on the air, after a 7-year effort by local groups failed to come up with the money to put the station on the air, according to an article sent by David Curvin. Western Public Radio, San Francisco, is sending personnel to help, as they have done in Denver, where KUVO *89.3 is still waiting to sign on. And Dave kindly sent material on a TV or FM-SCA use involving changing road signs, with both commercial and public service messages possible.

WV15 106.1 in the VT's owner says "My business is not doing that well due to the fact of lots of increased competition by 14 other stations from nearby islands, shoppers and TV stations selling spots at \$10, with rate-cutting. There is little if any national business placed here. I'm considering increasing power to 20000."

An interesting program, "The Folk Sampler," out of Sloat Springs AR, is heard on a variety of stations, including KUAC Fairbanks, KPBS San Diego, WNPR Hartford, WBEZ, WIUM in IL, WIAN Ind., KANU, KANZ in KS, WFPL Louisville, WMEH, etc. in ME, WBLV Twin Lake MI, WSKG Binghamton NY, WCBE Columbus, WVPR Windsor VT, WRFK Richmond. We may share mailing lists in the future.

WKCR *89.9 New York got a new transmitter, helping the SCA to sound much better. In-Touch Networks, on WKCR's SCA, however, has filed on top of WKCR and wants its facility for itself. An SCA monster gobbling up the main station?

An article in "SCA: Radio Subcarrier Report" mentions a plan by Atari and Activision to distribute video games via SCA. The first two test markets will be Steubenville OH and Utica NY, said to be "hotbeds of video game activity."

Back to AM radio briefly, Detroit's WXYZ is being sold by ABC to its general manager, Mr. Fritz. (First part of article sent by Paul Gaines I misplaced, so I don't have his first name.) Sale does not involve ABC's WRIF 101.1. WXYZ has declined to sixth with a 5 share among Detroit's 30-station stations. Station had not been profitable recently probably due to ABC overhead problems and FM. It is famous as the station that originated national broadcasts of *The Lone Ranger*, *The Green Hornet* and *Challenge of the Yukon*. Paul points out that WDET *101.9 uses the studios that

There is less station news this month because of an earlier deadline, because of going on vacation. The new "FM Atlas" should be ready about the time you read this; its larger-than-ever size is going to take a little longer to print.

Mike Dorner, in talking about the move of WAIL to WLTS 105.3 Slidell as a rocker, says that they hired Robert Mitchum, the 18-year program director of WTX (AM) in the same capacity and as morning drive man. "This is a guy who had little use for FM 12 years ago! I know your interest is FM, but the following deserves a space in your column. WTX 690 New Orleans is the station that made Todd Storz famous. He came down to

New Orleans with his top-40 format (local news at :55) from a successful stint with KOWH. In the army, he hung around PXes and noted that the GIs kept playing the same records. Even the waitress would play the same ones after closing. When he returned home after service, he persuaded his father to mortgage the successful family farm to buy KOWH, which was for sale. The station became an immense success, beating out WOW and KFAB. WTX, meanwhile, was a founding classical music station on 1450. Storz bought it, and wondered if his format would work in the large cosmopolitan, multi-ethnic market that is New Orleans? Well, I was 14 when Storz came to town in 1953. The station was an immediate sensation. Popular music 24 hours a day, remotes, incredible cash give-aways—it was top 40 at its finest. In 1958 Storz bought a weakened independent on 690, WVEZ, transferred the WTX call to it and built the station up to 10,000 watts. For almost 25 years WTX was No. 1—its closest competitor, WNOE 1060, never able to beat it. Many other competitors gave up—WJBW, WDSU, WSMB, WNNR, WIXO (FM), WRNO (FM). Recently, WTX, the flagship of Storz's 6-station fleet and nationally celebrated as 'the granddaddy of all top 40 stations' was sold. The new owner, Price Custus of New York City, is planning format changes, and the local newspaper writes of large staff defections and low morale. What happened? Simply this—FM beat the hell out of it. First, WTX slipped to second; then third, then somewhere down near 6th on Arbitron's list. By August, 1983, it was no longer in the top ten. Surely, Bruce, this is a watershed in the story of radio. WTX—nationally known as the first of the real top 40ers, the format that saved the radio medium in the glory days of television growth, is gone. At least, the WTX we knew. And FM did it in... WABC New York was a marvel, too, but it—and WLS Chicago—were inspired by WTX!

WXYZ (AM) had, until they moved to Broadcast House. The NBC Blue Network also broadcast from there. Paul's art is included to show the building, with Wayne State University broadcasting from the west and north sides of the building. It is on Woodward Ave., between downtown and Grand Boulevard. When I was in Detroit, at WGPR, they pointed with pride at the building, and said, they too, broadcast from that building.



Regarding WVCA 104.9 Gloucester MA, still c, still mono, but adding vertical polarization—the U. S. Court of Appeals told the FCC to reconsider the denial of license renewal of WVCA, which is a one-man FM station owned by Simon Geller. So he may win yet, comments R. H. Perrin.

Peter Nolan sent along a complete listing of Transtar Radio Networks, from which some of the "r" and "k" format listings were derived on the previous page. Some of those stations (or possibly most of them) also carry Transtar news, which I do not list as a network, as it is primarily a satellite-delivered music service.

John Clemmer says KBQC 93.5 Bettendorf IA still not on; was supposed to be on months ago. Waterloo's KFMW 107.9 still does not have the signal they had before their tower fell last November in an ice storm; obviously, not on with full power or antenna height. PA Philly, WXTU 92.5 is indeed county, ex-sult; this from about four different sources including Billboard. [I heard it myself, John, via skip, and confirm k on it—but it's a very mild form of county, almost easy-listeningish, from what I heard.]

Pete Nolan again: "For the sake of accuracy, Eric Norberg was at KEX/KQFM (now KRRZ) in Portland, not KGW/KINK. He was program director, is general manager and part owner at KWIP (AM) near Portland, and his AM stereo comments in Broadcasting (I thought) had a good deal of validity. I don't think Eric—or anyone else—is proposing that AM stereo will enable AM fidelity to obviate that of FM—just that it may help AM stations be more competitive. There's plenty of room for stations on both bands to attract listeners and make money. While Al Germond's points were also well taken, the bit about 'sick garbage' and 'this yo-yo' turns my stomach—that sort of petty shot doesn't help anyone."

Contributors—July VUD: Frank John, Jr., Portland OR (newly rejoined member—welcome back!); Robert Baker, Humboldt IA; Daniel Selo, New York NY; Phil Boersma, Spring Lake MI; Jon Brabban, Savannah IL; Jim Bucher, Washington DC; Bill Coleman, Jr., Rocky Mount NC; John F. Combs, Orlando FL; Ernest R. Cooper, Provincetown MA; Geo. Derringer, Damariscotta ME; Dennis Ward, KDCR Sioux Center IA; John Ebling, Bloomington MN; Larry G. Fuss, Jackson GA; Paul L. Gaines, Detroit MI; Lenay Goldberg, Eugene OR; William E. Hertwig, Jr., Yonkers NY; Casey Jones, pd., KSMJ Eagle CO; Jarrell Kautz, Columbus IA; Nick Lombardi, Atlanta GA, who says Gwinnett County GA has two n's; Fred McCormack, Fargo ND; Robert McKinney, Clinton IL; Peter A. Nolan, Galveston TX; Fred Nordquist, Clay NY (with a new computerized FM Scoreboard for his column—support it!; he says WYYY 94.5 Syracuse now No. 1 in ratings); Rod J. O'Connor, Kodiac AK; Walter Patton, Willowdale, Ont. (supplier of most of the Canada news); Jim Pizzi, Livingston NJ; Mike Rose, Jersey Shore PA; Eddie Scott, Toccoa Falls GA; Ron Seymour, Pittsburgh PA; Don Waltman, Louisiana MO; Dr. Richard E. Wood, Abba, SAUDI ARABIA. This month: Jose Bahr, Fredericksburg VA; Baker, J. Clemmer, E. Molina IL; Mike Dorner, San Antonio TX; Mike Dorner, Metairie LA; Tad Fleischaker, Louisville KY; Mike Flynn, Siloam Springs AR; Gaines; Dean Hannotta, New York NY; Larry Hart, Ingwood CA; Jimmy Laccetti, Doraville GA; Nolan; Richard H. Perrin, Wells ME.

7311, B. Bues

August 1984

*After a superb May for Es, June has certainly been quiet on that front. What seems to be my annual mid-June Tropo opening produced some interesting stuff, but, oh, tragedy has struck!! My rotor hath frozen, and guess where? Due north. I'll be OK for Au, but for Es & Tr, well there ain't much north of me. With my luck, the broken rotor means the Es will be back shortly.

*If you're getting New York City on Es in the late hours, check 91.5-91.9 for pirates. KPRC, "Stereo Nine", WHOT, "Music Radio 93" and others all operate there, and quite often, according to DX bulletins and word of mouth. If you can log a 10-watter by Es, you can get pirates!

NORTHERN FM DX is for YOU if you if you DX from AK CT HA ID ME MD MA MT NE NH NJ NY ND OR PA RI SD VT WA WI, CANADA and OTHER COUNTRIES. This column has never had reports from the underlined states since I've been editor. Who wants to be "first"? Here are a few reports.....

ERNIE COOPER - 5 ANTHONY STREET - PROVINCE TOWN MA 02657

JAN 1984

7 Es
1A02 KZIO 102.5 WI Superior Came in suddenly as I was listening to the Metropolitan Opera on local WCRB. KZIO was r UPInx
1513 KBHP 101.1 MN Bemidji local ads
1536 KFNW 97.9 ND Fargo g fided 1545
(This minor opening was a small area in almost a straight line across Minnesota!)

16 Tr
1135 WCMC 93.5 ME Rockland r ads mention of AM affiliate on 1450-WRMD

FEB

14 Tr
0050 WHCN 105.9 CT Hartford network phone-in prgm w/ lcl ID at 0100, lost soon to WIGY-ME

INTERFERENCE PROBLEMS!!!!

Since they strung the TV cable through our street, I've been getting nasty interference on FM setup of the Realistic STA-52 & McIntosh MR-78...like the wx stn on 91.7, Cinemax on 90.3, a TV rock mx stn on 91.3, and HBO on 107.1, plus a few FMs on two freqs - their own, and where the cable has placed them. I didn't subscribe to cable FM; only the TV. They've sent repairmen here to fix the bleeding, but were unsuccessful, saying they'd return in a few days "with their boss"; six weeks later, still no "boss". The FCC Boston & Washington offices have been notified. (go get 'em Ernie, I just had to do the same here due to Hydro leakage killing AM FM TV SW. The FM TV problem disappeared just before the D.O.C. engineer was to come; and since I don't dx AM or SW much in summer, I told the guy to wait.—saul) I'm back to feeling like myself again after my quadruple coronary by-pass on Feb 29th. But those few weeks after surgery were no picnic! I plan on attending the convention in Jamestown & I hope to see a lot of you there. Have a great E-Skip season! —Ernest. (glad all went well there, Ernie, and I'm looking forward to seeing you and others at J.NY.—saul)

HARRY HAYES - 9 HENRY STREET - WILKES BARRE PA 18702 EDT

It's the best MAY ever for skip that I can remember since at least the mid-70s/Early 70s. At least 3 FM inclusive openings (more—saul) so far and it's not even Memorial Day yet; usually, skip begins around Memorial Day. Totals so far: 695, 314 by Es.

MAY 1984

6 Es
1155 KICT 95.1 KS Wichita "Your World Tour Stn"
1159 KANU 91.5 KS Lawrence
1202 KJCK 94.5 KS Junction City
1211 KJLS 103.3 KS Hays may jingles rp
1214 WLBW 97.3 KS Wichita
1224 KPNP 101.1 KS Oberlin
1227 KDCK 95.5 KS Dodge City *95DCK*ex-KGNO
1233 KTRX 93.5 MO Tarkio
1240 KELM 97.1 NE North Platte
1253 KWYR 99.7 SD Winner

FEB 19 Tr

1354 WKTJ 99.3 ME Farmington r
1639 WJYY 105.5 NH Concord many lcl ads
APR
15 Tr
1219 WPAT 93.1 NJ Paterson b veryweak
1355 WAPP 103.5 NY Lake Success r weak
1520 WCTO 94.3 NY Spithtown/LongIsland b very ^
23 GW-Tr
1639 WKKZ 96.7 NH Rochester r CBSnx
24 GW-Tr
0814 WTYD 100.9 CT New London m
(Ernie, by "no reply" I assume you mean "no QSL yet"...I'd allow a little more time; just before I gave up QSLing returns were taking at least 1 1/2 months; report what you do get back to the QSL column—saul)

19 Es
1134 KIXS 93.3 TX Killeen
1156 WJAD 97.3 GA Bainbridge
20 Tr
6000 WBSB 104.3 MD Baltimore fadey
0025 WEEB 107.9 CT Westport fadey
24 Es
1128 KNEN 94.7 NE Norfolk
1138 KKRC 93.3 ?? is this KMCK?

Radioshack Rabbit Ears w/ Radioshack FM amp for Tr Es; homemade stacked FM quad loop, cut for 104 Mhz., for Ms Au. I use quad-loop w/ Radioshack amp & get excellent results, better than the rabbitears, but with uncontrollable overload below 103.5 on it, so this is why I use the rabbitears for Tr & Es, as I can control the overload much better w/ the tuner on the Rabbitears. I can control overload somewhat with the loop by repositioning it in various places around the house, but the low-band (MORE) ~>

overload is too much of a nuisance during skip openings, where the low-band is most vital. The quad-loop consists simply of two wooden frames with an inside measurement of 28 1/2 inches stacked, or set apart on four wooden slats, at 13.6 inches. Strung on the inside of each frame is split zip cord, or lamp cord wire with one wire fed to the amp, and RX, and the other a closed loop. I derive my measurements from an article appearing in a 1974 VUD by Bill Smith; that is, your desired Mhz divided into 248 will give you your length of loop sides in inches and your desired Mhz divided into 118 will give you your stacking distance. Thus for 104, this goes into 248 about 2 1/3 times or 28 1/2 inches, and 104 will go into 118; 1 and a fraction over. Using a slide rule (I'm from the old school, heh!) you can easily convert the remainders into exact inches. This is a portable indoor antenna, and with an amp, comes as close to giving "outdoor" results as anything possible. Anyone wanting more information, please write to me.

(Now here's an idea...(THIS IS SAUL NOW, HARRY'S THROUGH)... suppose in each VUD-perhaps in a column form-one WITFDM member can write at length about his system. That includes not only equipment, but location, local topography, local weather patterns of a unique nature. In other words, a real all-inclusive in-depth description. Just food for thought there...saul)

DAVE NIEMAN 12284 NICE ROAD - AKRON NY 14001 Carver TX-11, Pioneer TX-9100, \$Probe9, dipole

MAY 1984

5 Es (MUF 100.9)
1224 KMUW 89.1 KS Wichita j \$ 1050
1226 KHCC 90.1 KS Hutchinson c \$ 1045
1229 KZED 93.5 KS Wellington b \$ 1065
13 Es (MUF 100.1)
1500-1700 Es to Canadian Maritimes;
nothing in long enough to positive ID

19 Es (MUF 107.5)
1021 KSBJ 88.1 TX Humble g \$ 1270 1275
1103 KUHF 88.7 TX Houston j\$ (right o/WBFO Buffalo
1119 KATT 100.5 OK Oklahoma City rp\$ "Rock 100The Cat"
1130 KKCC 106.9 OK Clinton r\$ 1170 1115
1137 KBXR 97.3 OK Weatherford r\$ (ex-KWEY) 1160
1156 WFLA 93.3 FL Tampa r\$ "93-FLA-FM" (ex-WOJC)1060
1158 WQPD 94.3 FL Lake City r\$ -Dave 930

BRUCE ELVING - 4515 AVENUE "E" - KEARNEY NE 68847 CST Time

Lately, skip has hardly left me alone. I'd be at the typewriter, just letting the skip station display as background, not giving them the attention I usually do. I've used info. from the skip in updating my FM Atlas as I type it. (now THAT'S what I call up-to-date! -saul) I'm tentatively planning to go to Jamestown NY. Now, my 1984 Kearney NE DX to date:

MARCH 14, 1984 Tr

KCJL 95.9 KS Russell; KBBE 96.7 KS McPherson... both w/ new calls; the new-to-air KTSD 91.1 SD Reliance which I often use for NPR listening, KDBQ 96.9 KS Pittsburg and KCSC 90.1 OK Edmond-OKC. KSIW 93.5 OK Woodward heard the last day semi-local KEZH NE Hastings was on that freq. KEZH provided no interference; since then KEZH has been on 101.5. KKBS 92.7 OK Guymon in \$; and KWOC 101.1 OK Woodward with legal ID at 0900 CST.

APRIL 11 Es

From 1356-1435, WQDR 94.7 NC Raleigh; WPVR 94.9 VA Roanoke; WBKW 99.5 WV Beckley no \$, SCA not heard, but open carrier suggesting something may have been wrong with its Muzak; WRBS 95.1 MD Baltimore; WQMD 92.7 DE Rehoboth Beach.

MAY 20 Es

KELT 94.5 TX Harlingen mx SCA at 1923.
: w/ IN hrd, I've got all lower states exc. ME NH :
: VT here, & only IN MI by Es, not Tr as I'd thot.:

MAY 31 Es

2104-2044: WPTG 90.3 mono PA Lancaster; WANJ 107.5 WV Wheeling; WBGU 88.1 OH Bowling Green mono; Indiana (new state) came in on WBNI 89.1 and WBCL 90.3 both IN Fort Wayne; also WXTU 92.5 PA Philadelphia with MOR-ish Country.

JUNE 4 Es 1959-2100:

KMZQ 100.5 NV Henderson; KITT 96.3 NV Las Vegas \$ "hard rock" (Brude's term, not the stn's); KRIZ 103.3 CA Santa Barbara w/ calls only; KKNU 102.7 CA Fresno b; and WDUV 103.3 FL Bradenton. Lots of Es lately has had combinations of South FL with NV CA simultaneously...

JUNE 5 Es:

KMET 94.7 CA Los Angeles calls only at 1041; KJYK 94.9 AZ Tucson "K-Joy" & calls at 1145; thus they're not a strict non-Ider; KKCI 91.7 (WHERE ? Saul) \$ at 1159; KHNL w/ calls in SS at 1259 on 94.9 & mentions of Monterrey, Nuevo Leon, Mey-hi-co (SS for Mexico-saul); KRWG 90.7 NM Las Cruces at 1300; KEZG 92.1 AZ Green Valley b at 1315.

JUNE 7 Tr:

MORNING: KEEZ 99.1 MN Mankato calls 0910.

JUNE 7 Es:

EVENING: WGUC 90.9 OH Cincinnati took over beautifully at ID time at 1900 o/ a weak KUCV NE Lincoln in a way Mel Wilson would applaud; then WFPB 91.7 WV Beckley 2000 just returning to air w/ new antenna after using temporary one for a year, were asking for reception reports, to which I complied. Also, WAMU 88.5 DC Washington "88-FM" perfect signal also its SCA w/ b.; On SCA WGAY 99.5 DC Wash. gave complete ID & ads. WGAY itself was there, but because of the MUF, it was in more often & sounded better on 88.5 as SCA (huh? did you mix up the freqs?saul)

JUNE 8 Es:

WTSB 89.5 NC New Bern c \$ no apparent NPR affiliation, hrd at 0900; WCEZ 93.5 SC Columbia 0910; WMFR 90.1 MS Jackson mono despite \$ listing at 2029, KAYD 97.5 TX Beaumont 2208; also hrd KKAN 95.3 KS Phillipsburg testing in \$ km music, chirping (telemetry)SCA. (KKAN not Es I assume-saul)

After an exciting May, June has been incredibly awful, and because the VUD is a "family publication", I can't even begin to express how I feel about the June Es. At least the weather's been good, so BURNT RIVER has been less of a DX site and more of a sun-worshipping, fishing and sailboat racing QTH. Today July 1, MUF hit TV-4, so maybe we're due for a change...

MAY 28 Tr

2103 WGBN 94.5 MI Mt Pleasant k wx
31 Es
2138 KDCK 95.5 KS Dodge City "95-DCK" wx
2145 KKNG 92.5 OK Oklahoma City "King, KKNG-FM-9..."
2150 KJCK 94.5 KS Junction City
2152 KHUT 102.9 KS Hutchinson
2153 KAKZ 95.9 KS Derby
2154 KIGT 95.1 KS Wichita
2156 KOEZ 92.3 KS Newton
2159 KMUW 89.1 KS Wichita
2203 KANZ 91.1 KS Garden City wx
2208 unID 92.1 "92-KFM" rp
2211 KRAV 96.5 OK Tulsa "460-KRAV"ph#
2230 KSLS 101.5 KS Liberal "KSLS-101 1/2"
2242 KNID 96.9 OK Enid
2245 KWGX 101.1 OK Woodward "K-101"
2250 KWHW 93.5 OK Altus s
2254 KXXY 96.1 OK Oklahoma City "KXY"
2259 KZBS 98.9 OK Oklahoma City r
2301 KOMX 100.3 TX Pampa
2302 KWGS 89.5 OK Tulsa ment. UofTulsa
2303 KCSC 90.1 OK Edmond
2313 KLAW 101.5 OK Lawton "K-Law"
2315 KATT 100.5 OK Oklahoma City "Cat" r
2325 KJLC 88.5 MO Kansas City
2327 KDAK 92.1 OK Woodward
2332 KBXR 97.3 OK Weatherford (ex KWEY)

JUNE 6 Tr

0136 WWTI 105.7 OH Cleveland "Magic-105.7"
0137 WJZZ 105.9 MI Detroit jazz (prev. Au)
11 Tr
2135 WIXX 101.1 WI Green Bay
2200 WBLV 90.3 MI Twin Lake nx
2231 CBOF- 88.7 PQ Chapeau FF CBC mono
2245 WDIR 100.1 OH Kent "Near-100"
2330 CBCE 97.5 ON Little Current new-to-air
CBC-mono EE // CBCO 105.9 and CBL 740 Toronto
12 Tr
0130 WBNY 91.3 NY Buffalo p Finally an ID!
0140 WJFM 93.7 MI Grand Rapids "93-JFM" wx
0228 WOOS 106.9 OH Canton "Good Rock 107" r wx
0233 WCOE 101.7 PA Linesville r
0243 WWSW 94.5 PA Pittsburgh rm "3WS"
0252 WDSY 107.9 PA Pittsburgh k
0259 WAMO 105.9 PA Pittsburgh ment SEN Network
which I assume Soul B'Cast Net. as soul mx
0320 WKWK 97.3 WV Wheeling wx r "97-WK"

So this closes things till the Sept VUD. I sure hope things improve; notice how SMALLLLLLL the column is. I type what I gets. 73's, saul.

JUNE 12 Tr cont...

0350 WKYE 95.5 PA Johnstown "K-95" r wx
0418 WHOT 101.1 OH Youngstown "Jerry Starr,
at FM 101....." Jerry is a DXer who
has been in a number of DX clubs,
so it was neat to hear him during
a superb Tropo opening. I hear that Jerry?
0429 WHTX 96.1 PA Pittsburgh
0458 WOUR 96.9 NY Utica pr
0500 WAMC 90.3 NY Albany
0510 unID 97.1 RKO r ELT-TC ment. Springfield
and also Burlington VT, and anc. Joked that
he talked too much, which he did. Included
lengthy sportscasts.
0550 CHOM 97.7 PQ Montreal r "ShownFM" EE
0559 WMHT 89.1 NY Schenectady c
0700 WGBH 89.7 MA BOSTON "This is WGBH, Bos-
ton..." w/ freq throw in! Signal Excellent!
12 Ms (doubt Es as none on TV)
1830 WMPE 90.7 FL Orlando "This is WMPE Orlan-
do, FL"
16 Au After this rotor breaks turned due Nth
0005 CBHA 90.5 NS Halifax "Wx for Hfx & vicin-
ity" in my car outside cottage WHILE DRIVING!
0006 CBAF-19 92.3 NS Halifax CBC FF mono in car
0030 WPIT 101.5 PA Pittsburgh g ID on rotor
25 Es
1936 KKAZ 100.7 WY Cheyenne
1938 KPNY 92.1 NE Alliance "The mx source" \$r
1940 KFBC 97.9 WY Cheyenne QTH TC ID seemed
like KRPO but may've been 2nd stn or my error
1945 KNEB 94.1 NE Scottsbluff
1950 KMOR 92.9 NE Scottsbluff UPI nx
2030 KRQU 102.9 WY Laramie r wx Mtn TC
2032 KCGY 95.1 WY Laramie
2034 KDLY 97.5 WY Lander wx
2042 KGBS 96.1 CO Greeley
2044 KSID 98.7 NE Sidney
2051 KTRS 95.5 WY Casper
2100 KYOU 92.5 CO Greeley k
2109 KAWY 94.5 WY Casper r "KY-94"
2111 KYGO 98.5 CO Denver k
2118 KLOV 102.3 CO Loveland r
2120 KLIN 97.1 NE North Platte
2122 KLMO 104.3 CO Longmont KC Royals AL bb
2123 KBCO 97.3 CO Boulder r
2124 KWTR 93.7 SD Winner rs
2129 KVRS 105.5 CO Sterling
26 Tr 2056 WUUU 102.5 NY Rome rm "U-102-FM" wx

97 WFLA
801 JACKSON • BOX 600 • TAMPA, FLORIDA 33601

WJBR
2617 EBRIGHT ROAD
WILMINGTON, DELAWARE 19810
WV 1985

1396 Broad Street, Clifton, N.J. 07013
P.O. BOX 5061

CENTRAL FM DX

August 1984

Ralph Strobel, editor
2300 E. McGalliard Rd.
Muncie, Indiana 47303

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

In my opinion, June has not been a very good Es month. Have spent a total of 15 days at the cabin, and all the time I was there I monitored TV Ch. 2 and did not see very much skip. If there was any TV skip, it rarely made it up to the FM band. Report is as follows, with all times CST.

From Prosit, MN:
 5/29 tr 1015 93.1 WIMK MI Iron Mountain
 6/8 Es 1930 89.3 KCBI TX Dallas
 1938 93.3 KIXS TX Killeen
 1944 107.5 KBUC TX San Antonio
 1958 96.5 KIOU TX Corpus Christi
 2000 95.5 KZFM TX Corpus Christi
 "Z-95" used
 2006 98.7 KTKN TX Victoria,
 b, CNN nx
 2008 98.3 KORA TX Bryan, k
 2031 97.3 KAJA TX San Antonio,
 SCA, k, "KJ-97"
 2100 99.9 XBSG COA Piedras
 Negras
 6/22 tr 0921 99.3 KLOK MN Walker
 2140 92.5 CJAX AT Edmonton
 2142 96.3 CKRA AT " "K-lite"
 2147 100.3 CKRM AT " "
 2152 103.9 CISM AT " "Kissin-FM"
 2159 90.9 CBX AT " "
 2200 91.3 CKUA AT Drumheller
 That's it from here for this time, as no more DX to report. Regards, John Ebeling

6/23 tr 0900 101.9 KKRZ ND Fargo, k
 1000 90.1 K211?? MN ? KAXE 91.7
 Translator not ided on 90.1, but announced as 101.7 in Brainerd. Freq. change?*

1005 99.3 KSTQ MN Alexandria
 2200 98.3 K252?? MN ? KBHW 99.5
 Translator in International Falls (new)*
 * Elving pls note!

From Bloomington, MN:
 5/23 Es 2015 91.9*GBJ-1 PQ Chibougamou,
 j, French
 2026 92.1 CFTI ON Timmins
 2030 96.1 CBCJ ON Timmins
 2030 90.7 CBJN-4 ON Kapuskasing,
 French
 2100 100.9*CBJ PQ Chicoutimi,
 FF, j, c, (no SCMO)
 5/31 Es 2100 88.1 WRJA SC Sumter
 2100 89.9 JWJW SC Beaufort
 2157 90.7 WFAE NC Charlotte
 *Same j program. At 2100, went from j to
 c. Got good French ID on tape of GBJ.

Jeff Kadet - Box 20 - Macomb, IL 61455

Equipment: McIntosh MR-78, Stereo Probe 9 up 60 feet.

1/7 Es 1300 CBHA 90.5 NS Halifax
 1320 WAYU 93.9 ME Lewiston
 1326 WKSQ 94.3 ME Ellsworth
 1400 C777 93.1 NE Frederickton?
 gave ID as "KHJ-FM"
 1410 WMMJ 95.7 ME Ellsworth
 5/20 Es 2021 KAMZ 93.1 TX El Paso
 2024 KWLW 93.9 TX San Angelo
 2315 XAAA 93.1 TA Reynosa
 6/1 tr 2337 WKPL 107.1 WI Platteville
 6/9 Es 1840 KLYT 88.3 NM Albuquerque
 1855 KNAU 88.7 AZ Flagstaff
 New Stereo Probe 9 put up on June 1 is twice as high as the old one was (60' vs. 30'). This will be helpful for tr to the NE/E/SE, former poor directions from here. WCAZ-92.1 is NSP now. Guess the bustling metropolis of Carthage, IL (population 3350), can rest easy knowing they have a 24 hour station. This effectively kills the best class A frequency here for AN MS. Total now 658. 73.

6/9 Es 2015 KCEP 88.1 NV Las Vegas
 2037 KSET 94.7 TX El Paso
 2040 KLAQ 95.5 TX El Paso
 2052 KCKN 97.1 NM Roswell
 6/11 tr 0200 WVNO 106.1 OH Mansfield
 0238 WGTZ 92.9 OH Eaton-Dayton
 6/12 ms 0512 WRMB 89.3 FL Boynton Beach
 6/13 tr 0415 WPFH 105.9 OH Middletown
 0421 WBIF 105.5 IN Bedford
 6/20 tr 0107 WCMU 89.5 MI Mount Pleasant
 Es 1752 WBSN 89.3 ME Bangor, 125w
 7/1 tr 0200 KRUI 89.7 IA Iowa City

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

Equipment: McIntosh MR-78, Stereo Probe 9 up 60 feet.

6/27 ms 0144 WJML 98.9 MI Petoskey, "...JML knows..." previous tr 300
 0517 WAIW 96.9 FL Jacksonville, "...on Wave-FM. Wed. night..." pr. Es 750
 6/29 ms 0010 KZCZ 98.9 KS Leavenworth, "...KZ..." previous ms and tr 520
 7/4 ms 0202 WQRT 98.9 VT Burlington, "...Q-99..." 650
 After considerable thought, I have decided to resign as editor of this column.
 I won't be attending the convention this summer in Jamestown, New York. 73, Ralph

SOUTHERN FM DX

August 1984

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

DEADLINE: 10th

ES SLOWS CONSIDERABLY AFTER JUNE 9th

Jim Fizzi, F. O. Box 1778, Lovington, NM 88260 - 5/27 to 6/18 (505) 396-3251

5/27 Es
 1823 WTLG 88.3 FL Starke, s/off 1826 1278
 1825 WPAP 92.5 FL Panama City, tent. k
 1829 WMAH 90.3 MS Biloxi, ID 891
 1837 WHOO 96.5 FL Orlando, ID 1359
 1839 WKKA 92.3 FL Orlando, promo
 1841 WRYO 98.5 FL Crystal River, tent

5/29 tr
 1000 KUHF 88.7 TX Houston, ID 515
 1000 KRBE 104.1 TX Houston, ID
 1004 KQUE 102.9 " " , calls
 1006 KILT 100.3 " , k, "FM-100"
 calls 1012

1007 KSRR 96.5 " "97-Rock", ads
 1017 KGOL 107.5 TX Lake Jackson, g 539
 1025 KLCL 101.1 TX Houston, calls 102B

5/31 Es "FM-91.5"
 1005 WMBN 91.5 GA Cumming, tent \$, nx, wx
 1418 WAZE 92.1 GA Dawson, ment. Albany
 1421 WFBH 92.1 east, calls
 1430 WRBH 88.3 LA New Orleans, ID 819
 1431 WCKW 92.3 LA Laplace 790
 1438 WQYK 99.5 FL St. Petersburg, ads, k
 1439 WRNO 99.5 LA New Orleans, "the rock"
 1440 unID 88.9 east, g, NBN Moody broadcast
 "Prime Time America"
 1445 WFMO 99.1 MS Pascagoula, calls 896
 1451 WKGL 90.7 FL Panama City, nx 1071
 1451 WRYO 98.5 RL Crystal River, g 1265
 1455 WPAP 92.5 FL Panama City, calls 1071
 1457 WMMK 92.1 FL Destin, nx 1015
 1500 WUWF 88.1 FL Pensacola, nx 968
 1503 WHOO 96.5 FL Orlando, k, tent. 93
 1508 WTBB 97.7 FL Bonifay, ads 1058
 1509 WBGW 98.9 FL Tallahassee, ads 1233
 1518 WKYD 98.1 AL Andalusia, ads
 1520 WRWY 99.9 AL Mobile, tent
 1521 WOOF 99.7 AL Dothan, ads, 12 tv promo
 1527 WUPT 89.1 FL Gainesville, 1274
 1534 WTLG 88.3 FL Starke, g, s/off 1500 1278
 1557 WNCM 88.1 FL Jacksonville, "FM-88", 1300
 "Jacksonville's own, UPI nx 1600

6/1 tr
 0206 KVIC 95.1 TX Victoria, ID 468
 0212 KCOL 103.7 TX Sinton, calls 485
 0215 KXXK 106.5 TX Galveston, SS, L 555
 0216 K280BP 103.9 TX Big Spring, ID as 117
 Love FM99K-99.1 Odessa @0230
 0237 KHOC 99.9 TX Waco, calls 368
 0239 KWTX 97.5 TX Waco, calls, r
 0254 KTON 106.3 Belton, ID 0300 368
 6/4 Es
 1600 RBFM 88.9 Belize City, Belize, 1400
 nx, "FM-89", reggae mx, in til 1630
 1602 WPAF 92.5 FL Panama City, tent. FL nx
 1606 XHGL 97.7 YUC Merida, SS, \$, m 1200
 1608 XHMT 98.5 YUC Merida, SS, ID "Estereo
 Hoya, \$, L
 1618-1630 SS unIDs 88.5 to 98.5
 1630 XHRF 88.1 DF Mexico City, ID in EE

6/4 Es
 1632 XEOY 89.7 DF Mexico City, "Estero mil" c
 1634 CERC 97.7 " "
 1634 XEDA 90.5 "
 1634 unID 91.8 s. s. east- mx or cent.
 America? SS nx radio?, terrible flutter
 esp. on 91.7, 91.9, beep tone every minute.
 1637 XHLM 96.5 MOR Cuernavaca, \$ 985
 1637 XHCM 88.5 MOR Cuernavaca 985
 1644 XHZM 92.5 Puebla, "estereo rey" 985
 1654 XHVT 101.3 ?? MX SS, \$, L, calls +
 stereo sol
 1656 XHME 101.1 Campeche, Camp., \$, r, 1224
 ID 1659 (uses same calls as 89.5 Puerto
 Vallarath, Jal)
 1704 XHOP 96.5 Villahermosa, tent. "Formula
 Melodica"
 1710 TG?? 98.6 Guatamala City, 1508
 Radio Mundial/R. Victoria, ment. Guatamala
 often, in for over an hour
 1712 XHPR 101.3 VER Veracruz, ads
 1717 TGN 100.7 s.s. east--Mx or C. Amer.,
 tent., SS talk
 1718 XHTS 101.3 VER Veracruz, \$, r, + reggae
 1722 XHNP 89.3 PUE Puebla, SS, L 985
 1723 XHRS 90.1 PUE Puebla, ads
 1731 XHEA 104.1 OR/XHVA MX// calls + "JUS-FM"
 R. Formula
 1810 XHRX 91.7 PUE Puebla, ads 985
 1831 unID 98.5 s.s. east, "R. Capital"
 1841 XELA 98.5 DF Mexico City, c
 1842 XHMM 100.1 " " , r
 1842 XHSON 100.9" " , r
 1844 XHFO 92.1 "
 1845 XHPS 93.3 VER Veracruz 1032
 1853 unID 92.1 Mexico ment. "en Cordoba"
 1856 XHRS 90.1 PUE Puebla, "R. Lobo" 985
 1859 KUSU 91.5 UT Logan, ID 752
 1909 unID 99.3 n.n. west "V-99"
 1911 KZBQ 93.7 ID Pocatello, r, calls 833
 1912 KIZN 93.1 ID New Plymouth, k 1035
 1913 KNAQ 92.1 ID Rupert, ads, "Q-92"
 1914 KQFM 99.3 OR Hermiston, ads, calls
 1916 KHQ 98.1 WA Spokane, tent, r
 1923 KMCK 106.9 ID Lewiston 1148
 1929 KFAE 89.1 WA Richland, ID
 tr
 1934 KIQQ 101.3 CO Durango, "KIX FM", promo
 for San Juan Nat. Forest 383
 Es
 1938 KKRZ 100.3 OR Portland, Z-100 1319
 1942 KJOT 105.1 ID Boise
 1943 KXDD 104.1 WA Yakima, ads 1274
 1946 KEZE 105.7 WA Spokane, ads, r 1224
 1950 KHVK 106.5 WA Richland, k, calls 1225
 1953 KFFM 107.3 WA Yakima, ads 1274
 1957 KHWT 103.5 OR Pendleton 1175
 1959 KZZK 102.7 WA Richland, ID 1225
 2001 KCIV 104.5 OR The Dalles, ID 1260
 2006 KONA 105.3 WA Kennewick, ID 1215
 2013 KKQT 98.3 ID Rexburg, tent
 2015 KTBI 95.9 WA Ephrata, g, ID 1274

cont.

Table of radio stations with call letters, frequency, and location. Includes stations like 6/4 Es, 2033 WBES, 6/5 tr, 0709 KINF, etc.

Table of radio stations with call letters, frequency, and location. Includes stations like 6/8 Es, 1629 WGTG, 1632 WDAO, etc.

Table of radio stations with call letters, frequency, and location. Includes stations like 6/10 tr, 2008 KYKX, 2030 KOOI, etc.

Table of radio stations with call letters, frequency, and location. Includes stations like 6/16 Es, 1720 XHME, 1807 XERC, etc.

Quite a report period this time around. Lots of Es and some trop. 6/4 Es to Guatemala was a surprise, in for over one hour and a new country for me. 6/4 tr of KIMX was definitely trop. not backscatter--one of my best tr catches, not very far, but 10-12000 ft. mountains in the way. 6/8 Es very strong and long duration. Hope everyone is enjoying a good DX season. 73's

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

Table of radio stations with call letters, frequency, and location. Includes stations like 6/7 tr, 0930 WEDN, 1000 WOEL, etc.

Table of radio stations with call letters, frequency, and location. Includes stations like 6/8 tr, 1014 WKEZ, 1023 WEXM, etc.

All DXing done on Sony ICF-S52. However, I recently bought a five band Realistic Portavision-55 12-778, which performs very well on FM and on the UHF-TV band. I've been trying out my "toy" over the last few days. 73's

EDITOR'S NOTE: Effective this month I have decided to stop printing reports that are mostly composed of counting changes in call letters as new stations and in so doing going against club guidelines. One such report is based almost entirely on the monitoring of regularly received stations for call letter changes and counting them as new when QSLed. I no longer wish to be an indirect party to such practices by printing them as I believe club guidelines should be followed when reporting to the VUD to ensure we're all on equal footing. After all, this is a DX column, and reports mainly about call letter changes should be directed to the FCC-FM column.

Table of radio stations with call letters, frequency, and location. Includes stations like Danny Buntin, 1312 N. Skyline, Stillwater, OK 74075, 6/21 Es, 1545 WYTC, etc.

Table of radio stations with call letters, frequency, and location. Includes stations like 7/5 Es, 1700 WHFL, 7/2 tr, 2200 KIWR, etc.

Table of radio stations with call letters, frequency, and location. Includes stations like 7/3 Es, 1930 WEXM, 1932 WRBS, etc.

Those who don't have much money to invest in good DX equipment ought to check local pawn shops for something good. For example, here at a local shop I was surprised to see a Sansui SU-717 tuner, one of the best ever made by Sansui, with an asking price of \$110. Used tuners like this are surely great finds, if the selectivity spec. is at least 80 db.

Dx Distance

USE A HOME COMPUTER TO MEASURE YOUR DX!

John F. Combs
2485 Ivan Ct.
Orlando FL 32807

The program presented below was written to run on the Commodore 64 computer. It measures the exact distance between your DX location and any given TV station in the United States or Canada. The only input required is: (a) your own latitude and longitude, and (b) that of the desired station.

If you do not know your exact latitude and longitude, and are content with a less than accurate answer, the coordinates of your town may be available in an almanac. Determining one's own coordinates, however, is fairly simple if a detailed map is available.

Coordinates for all U.S. television stations, and many Canadian stations, are found in such publications as Television Factbook, which is available in most larger public and university libraries. Coordinates for transmitters in Mexico, the Caribbean, Central and South America are lacking; indeed, we do not even know the approximate geographical location of many stations in Cuba and elsewhere.

Although the program is written in Commodore BASIC, those of you with other computers may well be able to adapt it to your own version of BASIC. If you own a Commodore 64, but do not have the time or patience to type in the program, I would be happy to provide the program to anyone who sends me a blank, formatted diskette and \$1.00 to cover postage. Write me if you have any questions.

MAGIC DX DISTANCE FINDER

```
5 REM *** MAGIC DX DISTANCE FINDER ***
10 FORT=1T0250:NEXT:PRINT "{CLEAR}";FORT=1T0250:NEXT
15 PRINT "{9 DOWN} {8 SPACES} {17S}MAGIC DX DISTANCE FINDER {OFF} "
20 FORT=1T01000:NEXT
25 PRINT "{2 DOWN} {8 SPACES} (C)1983 BY JOHN F. COMBS"
30 FORT=1T01500:NEXT:PRINT "{CLEAR}";FORT=1T0500:NEXT
100 REM *** LATITUDE AND LONGITUDE DATA ***
105 PRINT "{5 DOWN} {SPACE}ENTER YOUR LATITUDE:"
110 INPUT "{7 SPACES}DEGREES :";D1
115 INPUT "{7 SPACES}MINUTES :";M1
120 INPUT "{7 SPACES}SECONDS :";S1
125 T1=D1+((M1+(S1/60))/60)
130 PRINT "{DOWN} {SPACE}ENTER YOUR LONGITUDE:"
135 INPUT "{7 SPACES}DEGREES :";D2
140 INPUT "{7 SPACES}MINUTES :";M2
145 INPUT "{7 SPACES}SECONDS :";S2
150 G1=D2+((M2+(S2/60))/60)
155 FORT=1T01500:NEXT:PRINT "{2 DOWN} {5 SPACES}OKAY, HERE WE GO!";FORT=1T0500:NEXT
160 PRINT "{CLEAR}";FORT=1T0250:NEXT
200 INPUT "ENTER CALL LETTERS OF STATION:";CL$
205 PRINT "{DOWN} {SPACE}ENTER STATION'S LATITUDE:"
210 INPUT "{7 SPACES}DEGREES :";D3
215 INPUT "{7 SPACES}MINUTES :";M3
220 INPUT "{7 SPACES}SECONDS :";S3
225 T2=D3+((M3+(S3/60))/60)
230 PRINT "{DOWN} {SPACE}ENTER STATION'S LONGITUDE:"
235 INPUT "{7 SPACES}DEGREES :";D4
240 INPUT "{7 SPACES}MINUTES :";M4
245 INPUT "{7 SPACES}SECONDS :";S4
250 G2=D4+((M4+(S4/60))/60)
255 GOSUB 500
260 IF CL$="" THEN 270
265 PRINT "{3 DOWN} {SPACE}DISTANCE TO :";CL$;" IS";DX;"MILES";GOTO 275
270 PRINT "{3 DOWN} {SPACE}DISTANCE IS";DX;"MILES"
275 FORT=1T01500:NEXT
280 PRINT "{DOWN} {SPACE}OPTIONS:"
285 PRINT " (1) CALCULATE ANOTHER FOR SAME LOCATION"
290 PRINT " (2) ENTER DATA FOR NEW LOCATION"
295 PRINT " (3) QUIT PROGRAM"
300 PRINT "{DOWN} {SPACE}CHOOSE ONE..."
```

DX DISTANCE (Continued)

```
305 GETA$:IFA$="" THEN 305
310 IFA$="1" THEN PRINT "{CLEAR}";GOTO 200
315 IFA$="2" THEN PRINT "{CLEAR}";GOTO 100
320 IFA$="3" THEN 400
325 GOTO 305
400 FORT=1T0500:NEXT:PRINT "{CLEAR} {2 DOWN} {73 AND GOOD DX!";PRINT "{19 DOWN}";END
500 REM *** CALCULATIONS ***
505 A=ABS(90-T2);B=ABS(90-T1);C=ABS(G1-G2)
510 X=ABS((B-A)/2);Y=ABS((B+A)/2);Z=C/2
515 R=57.285779514
520 XA=(LOG((COS(X/R))))/LOG(10)
525 XB=(LOG((SIN(X/R))))/LOG(10)
530 XC=(LOG((TAN(X/R))))/LOG(10)
535 YA=(LOG((1/COS(Y/R))))/LOG(10)
540 YB=(LOG((1/SIN(Y/R))))/LOG(10)
545 ZA=(LOG((1/TAN(Z/R))))/LOG(10)
550 ZB=ZA
555 D=XA+YA+ZA
560 E=XB+YB+ZB
565 S=ATN(EXP(D*(LOG(10))))
570 T=ATN(EXP(E*(LOG(10))))
575 YC=(LOG(SIN(S)))/LOG(10)
580 ZC=(LOG(1/SIN(T)))/LOG(10)
585 ZZ=XC+YC+ZC
590 GG=2*(ATN(EXP(ZZ*(LOG(10)))))*R
595 DX=INT(((GG*60)*1.1516)+.5)
600 RETURN
```

Incidentally, the distance given is rounded off to the nearest mile. If you are a stickler for accuracy (and this may be important where records are concerned), you can have the program print out the exact distance, including all decimal places, by changing line 595 to the following:

```
595 DX=((GG*60)*1.1516)
```

If you're really ambitious, you could even build a data file of the coordinates of all stations within your potential coverage area (say 1500 miles) and tie it in to this program. Such a system could be set up where all one need do is enter the call letters, and the distance is calculated. I have tried to set up such a system, but have come to the conclusion that unless you're single, childless, and independently wealthy (i.e., no need to "punch a clock"), it is a task tantamount to reading the phone book or counting the number of "e's" in the Bible!

Worldwide TV-FM DX Association

PHOTO-NEWS

August 1984

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

The photos this month are from:
Paul Gaines (CP) - Detroit, MI
Nate Ely (NE) - Madison, WI
Dave Nieman (DN) - Akron, NY

WCDC-19 Adams, MA 505 mile
tropo seen on Sept. 9, 1982
(CP)

C.C.I. [UNIDENTIFIED DX]

Robert Grant, KD8EN
5775 Bishop
Detroit, MI 48224.
August, 1984.

TV unIDs:

Nate Ely, 1237 East Johnson St. #2, Madison, WI 53703.

1984: Wed 23 May Es ch 2 2100 CDT-- end "Merv Griffin" start "CBC National/Journal"
(PTA: ENE) (most likely CKCL2-2, Kearns, OH. quite short.-RG)
Thu 24 May Es ch 2 1529 CDT-- end "Yan Can Cook" into CBC logo at 1530. (PTA:WMM-NW.)
Fri 8 Jun Es ch 2 1825 CDT-- SS. (the photo you sent looks like the XEW Mexico net,
likely XEPM-2 Juarez, CH but there are many, many "dos"
net stations on 2, including XEW, Cd. Mexico, of course.-RG)

John F. Combs, 2485 Ivan Court, Orlando, FL 32807.

1984: Tue 5 Jun Tr ch 35 0200 EDT-- ID slide (a 35 in a circle w/call sign under it)
followed by a person playing a piano. (PTA:SC,VA,KY.)

Jeff Kadet, Box 20, Macomb, IL 61455.

1984: Sun 20 May Es? ch 4 2059 CDT-- CBS, ad- "Travis Crawford Buick" mentioned
"Cable channel 7" during ID.
Sat 19 May Es ch 2 1830 CDT-- ad for Kullberg's at 8th & Pacific phone # 786????
also Winnipeg Jets ad. (Most likely CKMD2-2 Minnedosa, MB -RG)

Robert Grant, KD8EN, 5775 Bishop, Detroit, MI 48224. editor.

1984: Mon 25 Jun Es ch 4 2051 EDT-- 0 offset, ABC Monday Night BB, tornado warning.
(PTA: ND,SD. KXLF,MT likely but opening would seem
to favor KPHY-4 in SD, listed as NBC. Have they changed
to ABC??)

FM unIDs:

Jeff Kadet, Box 20, Macomb, IL 61455.

1984: Sat 7 Jan Es 92.5 1330 CDT-- FF reggae mx, NB and MB in.

6/25 Es opening brings news: New channel 5 in Lander, WY appears to be on the air.

I saw a station that wasn't 0 beat to either WENS nor WNEM (this means 0 offset)
with a local ad mentioning "Riverton and Lander" (anybody know the calls of this one??)
on 6/24 a network swap occurred: KOTA-3 RAPID CITY, SD NOW ABC. (was NBC) as well as
KOTA's ch 11 & 12 satellites. KEVN-7 in R.C.S.D. now NBC as well as satellite
KIVV-5 LEAD, SD. (were ABC) I could not think of a better way to confuse DXers than
to switch the networks of two lowband stations in the middle of Es season. Neither
R.C.S.D. station has secondary CBS affiliation anymore, Rapid City has a xltr of KPLO-6
on UHF (I think, see photo on page 26, 2/83 VUD.)

Like last year, the Es got off to a good start but died off quickly.
(maybe next year) (or 1986?) (or in your child's lifetime??)

73 & DX (any DX, hi.)

Worldwide TV-FM DX Association

PHOTO-NEWS CONTINUED



KDLO-3 Garden City, SD
940 mile ES seen 1-7-84
(DN)



WCLQ-61 Cleveland, OH 400 mile
tropo seen on Dec. 3, 1983 (NE)

Dave

WTFDA CLUB SUPPLIES



PLACE YOUR ORDER NOW!! PLACE YOUR ORDER NOW!! PLACE YOUR ORDER NOW!!

VHP-UHF DIGEST BACK ISSUES -- AVAILABLE JANUARY 1983 TO THE PRESENT \$1.25
A FEW AVAILABLE BEFORE JANUARY, AT \$1.00

WTFDA TV STATION GUIDE
(SECOND EDITION, 1981)

S-O-L-D O-U-T

ALL NEW

9TH EDITION
FM ATLAS

144 pages!

THE ALL NEW 9TH EDITION FM ATLAS
AND STATION DIRECTORY IS NOW ON
SALE. THIS IS THE ONE YOU'VE
BEEN WAITING FOR THE ONE EVERY-
ONE HAS TO HAVE FOR SUCCESSFUL
FM DXING. THE SINGLE MOST COM-
PLETE SOURCE OF INFORMATION ON
THE FM BROADCAST BAND. WITH
IT'S MAPS SHOWING STATION LOCA-
TIONS, A STATE BY STATE LISTING
WITH FORMATS, STEREO, COVERAGE
AREA, NETWORK AND SCA INFORMA-
TION, A LIST BY FREQUENCY WITH
ANTENNA HEIGHTS ABOVE AVERAGE
TERRAIN, STATION ERP AND SIGNAL
POLARIZATION MAKES THE FM ATLAS
THE VERY BEST THERE IS.

\$
7
5
0

PLUS

.50

P C
O L
S U
T B
A M
E M
F B
O E
R R

DX LOG SHEETS ----- SORRY, WE ARE ALL SOLD OUT

ALL NEW REVISED QSL REPORT FORMS ----- FOR REQUESTING QSLs (VERIFICATIONS)
FROM FM or TV STATIONS, BLK on YEL \$2.00

VHP-UHF DIGEST BOXERS ----- ATTRACTIVE CASES DESIGNED TO KEEP
YOUR COPIES OF THE VUD ORGANIZED. \$2.00
3-\$5.00

WTFDA CLUB T-SHIRT ----- AVAILABLE IN SIZES SMALL--X-LARGE
ORDER FROM DAVE NIEMAN-12284 NICE \$7.00
RD.-AKRON, NY 14001.

UHF TRANSLATOR DX GUIDE ----- LISTING OF UHF TRANSLATOR STATION IN
(1979 EDITION) THE CONTINENTAL U.S. WITH 10 OR MORE
WATTS OF TRANSMITTER INPUT POWER,
AND A BASIC INTRO TO TRANSLATOR DXING
BY EXPERTS GLENN HAUSER AND BOB
COOPER, JR. THE LIST IS NOW SOME-
WHAT DATED, BUT THE DX TIPS AND INFO
ARE EXCELLENT. ONLY A FEW LEFT!!! \$2.00

ORDER YOUR CLUB SUPPLIES FROM WTFDA-P.O. BOX 514-BUFFALO, NY 14205 U.S.A.