

DUHAMEL BROADCASTING ENTERPRISES

KOTA-AM-TV KHSB-TV KDUH-TV

P.O. BOX 1752

RAPID CITY, SOUTH DAKOTA 57701

**KEEZ**  
STEREO 97

**UPNE-TV**  
Green Bay, Wisconsin  
**38**

Don Kates  
Program Director  
110 S. University Circle Drive  
Green Bay, WI 54302

PEOPLES-MERCHANTS TRUST  
BLDG., CANTON, OH 44702

DUHAMEL BROADCASTING ENTERPRISES

**KDUH-TV**

CHANNEL 4

**WQFM**

SUITE 2100  
606 WEST WISCONSIN AVENUE  
MILWAUKEE, WISCONSIN 53203

WWHC FM 104.9 MC

# VHF-UHF DIGEST

MARCH, 1976



THE SHAMROCK STATIONS  
88 EAST BROADWAY, YORKTON, SASK.

GEN SVS

CKOS 2, CHSS 6  
CKOT 7, CKSS 8

**wnap**  
65.1 FM

2835 NORTH ILLINOIS STREET  
INDIANAPOLIS, INDIANA 46208

WPTA-TV 21 WTOP

**wcia**  
MIDWEST TELEVISION INC.



TELEVISION

Channel 3

KWTX BROADCASTING COMPANY, INC.



**wjpl-tv 12**  
2302 laporte road Flint, Michigan 48503

**katec tv 3**  
ACADIAN TELEVISION CORPORATION

**KYUS**

P. O. Box 760  
Missoula City, Montana 59301

**WKBD TV**

P.O. Box 266  
Southfield MI 48075

**waho**  
tv 24

**2**



**ckx TV**  
CHANNELS 5-9-11

300 SO. BYRNE RD.  
TOLEDO, OHIO 43615

**KWGN**  
TELEVISION  
550 LINCOLN STREET  
DENVER, COLORADO 80202

**WFSB-TV**

**3**

**Wedu**

channel

**3**

POST-NEWSWEEK STATIONS, CONNECTICUT, INC.  
BROADCAST HOUSE - 3 CONSTITUTION PLAZA  
HARTFORD, CONNECTICUT 06115

FLORIDA WEST COAST EDUCATIONAL TELEVISION, INC.  
909 SOUTH 90th STREET, TAMPA, FLORIDA 33605

# **publishers' notes...**

**WTFDA HEADQUARTERS, P.O. BOX 163, DEERFIELD, IL 60015 USA**

LATE FEBRUARY VUD...Our apologies if the February VHF-UHF Digest arrived at your place a little later than usual. Surprisingly enough, the problem was not in the transfer of editorial and publishing duties, which went exceedingly well. The February paste-up was inexplicably delayed nearly two weeks in the mail en route from your editor here in Pittsburgh to the publishing crew in Indiana. Further delays were incurred when the added weight of the membership list forced the publishers to send the VUD's via third class. Hopefully, most of you received the February VUD before the first of March, and are reading this around the 15th of that month.

NO NOTICE?...A few words of explanation are also in order for those members who did not receive the "Important Notice" inserted in the December VUD. Morrie Goldman relates that after Peter Oprisko discovered the notices and re-volunteered his services, the notices were removed from those VUD's which had not yet been mailed. Thus, only about one-fourth of the WTFDA membership actually received the insert. Response to the notice was marvelous, and we're grateful to all who offered their services to WTFDA. Perhaps member apathy isn't running rampant after all!

1976 WTFDA CONVENTION SITE...Apparently we spoke too soon. Voting on the '76 site was sparse but unanimous, with a total of thirteen votes coming in for Chicago. This amounts to roughly five per cent of our total membership. Well, it's four more votes than received last time...so maybe there's hope! At any rate, the 1976 WTFDA Convention will be hosted by Morrie Goldman in Chicago during August. Further details should be forthcoming shortly.

(CONTINUED ON PAGE 39)

## **TABLE OF CONTENTS**

WTFDA MAILBOX: More Member Musings.....	3
FCC-FM NEWS: Double the Number of FM Stations?.....	5
BOB'S TEK-NOTES: A World of Weather on NOAA Radio.....	8
EASTERN TV-DX: Not Much of it, Actually.....	14
STATISTICS: Hauser Returns!.....	16
CENTRAL TV-DX: A Monstrous Report from Paul Gaines.....	17
FM QSL CORNER: Tom's Trying, but No Contributors.....	21
TV QSL CORNER: Paul Says No Repeats, Please.....	22
NORTHERN FM-DX: Yet Another New Editor, Fred Nordquist.....	23
SOUTHERN FM-DX: "'Nova 104' Indeed!.....	26
WESTERN FM-DX: Three New IDs from Pat Dyer.....	27
VHF UTILITY DX: Has Cycle 21 Yet Begun?.....	28
PHOTO-NEWS: Pics from Gaines, LeBlanc, and Hauser.....	29
INTERNATIONAL NOTES: Ken Simon's New Feature Column.....	30
SPECIAL REPORT: Mark L. Mentions Canadian Capers.....	32
TV CCI AIDS: New Editor (Steve West), New Format, New Info.....	35
TV CCI: A Letter Code for TV Guide Editions!.....	37



# WTFDA MAILBOX

John Zondlo  
6617 Maryland  
Hammond, IN 46323

Greetings. Hopefully, from now on, this column will be a monthly feature. Well, here goes.....

Lee Baca	2430 E. Clarendon	Phoenix, AZ 85016
Robert E. Baxter	711 10th Ave.	Rock Falls, IL 61071
Ed Brindle	1220 College Dr.	Latrobe, PA 15650
D.F. Browne	67 Benfield Way	Portslade, Sussex, England BN4-2DN
Fred Fish	P.O. Box 73	Edgewood, NM 87015
Daryl R. Herzog	21317 Catskill Ave.	Carson, CA 90745
James Russell	3 Kadana St.	Oak Park, Victoria, Australia 3046
Pertti Keskitalo	SF-21480	Prunkila, Finland
Marshall Lillie	147 S. Main	Bourbonnais, IL 60914
W.J. Mansir	P.O. Box 593	Highland, CA 92346
Clint McAuliffe	1103 7th St., Apt. 6E	Greely, CO 80631
Timothy P. Miller	1N-320 Arnold Ave.	Glen Ellyn, IL 60137
Craig Shura	19 Appelby Dr.	St. Catherines, ON L2M 3E5
Mal Wessot	c/o Chatham Antenna Services, 51 Austerlitz	Chatham, NY 12037

Rejoin: Bill Heusmann

Renew: Donald Allison, James Brown, Jr., Bob Cooper, Rod Luoma, R.E. Lyons, Frank Merrill, T.S. Place, Mike Reid, Randy Schnepf, James F. Sokol, Verrell Tallet, Larry Vogt, Frank Wheeler.

New Address: Pat Martin-P.O. Box 14192-Portland, OR 97214  
T.S. Place-83 St. Louis Ave.-Beaconsfield, PQ H9W 4X9

A SW and TV DXer, new member ED BRINDLE is also a member of NASWA. His gear includes a GE 12" B&W TV and an 8 bay Realistic UHF antenna. Ed also goes by the call WDX3JKH.

From the "Land of Enchantment" comes new member FRED FISH. Fred is a computer specialist who's interested in DXing the bands from 100 MHz on up. His call, by the way, is W5LO.

RUSSELL JAMES has some impressive credentials and equipment. He is the Asst. Hon. General Secretary of the Australian Radio DX Club. His DX shack features a Kreisler Colorama 660 TV (63cm), an Austenna 31 element antenna (rotatable), and a National NV-5120A video cartridge recorder.

Also a member of NRC and IRCA, TIMOTHY P. MILLER is an engineering student at the University of Illinois at Urbana (home town is Glen Ellyn, IL). Tim's DX gear includes a GE clock radio for FM and an RCA 19" B&W portable for TV.

And last, but certainly not least, is MAL WESSOT. Mal is an MATV specialist who's well versed in receiving equipment, as you can see by his address. His own equipment includes a J-283X antenna (what brand?-jz), a preamp, and a distribution amp.

For your information: the material used for the introductions of new members comes from the personal data section of the membership application form. If you're a new member, and have not been introduced to the membership at large, feel free to drop me a line about yourself so that it can be included in a future Mailbag.

Tidbits.....

Al Ellis (19 McClure Ave., Brantford, ON N3R 4L7) continues his comments from the February VUD: "I had heard some time back and then read it recently in the Elving column that various broadcasters were getting tired of leasing space on their SCA frequencies to the various canned music groups and were after the FCC for permission to use it for more remunerative purposes such as Teletype-Facsimile-Slow Scan TV or some, as yet, not used systems. I acquired a SP600 receiver War Asset, for less than it's worth. This led to the acquiring of a Teletype machine and a Western

Union "Fax", both for peanuts. The SSTV set up is another breed of horse. Amateurs have covered the world on the amateur bands with this, very sophisticated set-ups can be got for a price. May have to make my own, inflation being what it is. Granted, there are a number of other magazines who adequately cover this sort of thing, BUT why has it been completely ignored, by all, but Bruce Elving??? Are we so exclusive that soon we will be listening with the right ear only. The Old Man wonders and wonders." "Old Al" is also interested in exchanging US for Canadian stamps....write for more info.

This word reaches us from Radio Nederland: "Commencing on Thursday, March 4th, Radio Nederland will be airing a new technical course via DX Juke Box. It is a transistor course which takes up where our previous DX Receiver course - which was based on valve receivers - leaves off. The transistor course consists of 12 lessons in all. They will broadcast over a period of 24 weeks, one lesson every other Thursday. Every lesson will be repeated the following week. As usual, this course is available to Radio Nederland listeners free of charge, provided applications for enrollment are made by listeners individually. The course will be mailed in sets of four lessons and students will automatically receive the next set of lessons when they mail the answers to the questions at the end of each set of lessons to Radio Nederland's DX Juke Box." The address for Radio Nederland is P.O. Box 222, Hilversum, Holland.

Tom Place (83 St. Louis Ave., Beaconsfield, PQ H9W 4X9) writes, "I would like to tell you how much I enjoy the VUD, especially the equipment articles and descriptions of what other members are using. I am using a Delhi DXM-68 tower with a Delhi C-18G VHF antenna (no preamp), and a Channel Master Super Bandsaw UHF antenna with a Channel Master 0068 preamp. Incidentally, I have been very impressed with this preamp and if the new 0071 UHF preamp is as much of an improvement as CM claims, it will be as good as the BT CMA-U and a lot cheaper."

DX has been nil on the Florida west coast, writes R.E. Lyons (2864 W. Bay Dr., Largo, FL 33540). He purchased a new SAE Mach VIII from Mike Dolton over a month ago. It has digital readout, and will hopefully help him up his present total of stations heard (365).

VUD co-publisher Peter Oprisko is an educational FM band DX fanatic, and this editor can personally attest to that. As of this writing, Pete has logged 52 stations between 88 and 92 mHz in just under a month of DXing. His receiver is the Sony ST-5130, and it's connected to a Channel Master Stereo Probe 9 antenna mounted at the 60' mark on his tower (right below his UHF dish). Pete wanted to go "state of the art" with his DX gear, and after much comparison with other receivers he settled on the ST-5130. Of course, the advice of Morrie Goldman played a major role in his decision. Pete purchased his receiver at Musicraft (48 E. Oak St., Chicago, IL 60611, 312-337-4150). They have such a deal for you, if you're interested: you can get the ST-5130 from this Musicraft store for \$105 off, if you follow these simple instructions. Visit, call, or write the store, and ask for Ted (and only for Ted) the owner. Tell him you're a member of WTFDA, and that Pete Oprisko referred you to him. He then can give you all the information on purchasing this receiver. In fact, he can also give you a good deal on the Probe 9 antenna and a Fisher TX-55 amp. If you'd like to check with Pete before calling Ted, give him a call at 219-659-2954, or write him c/o HQ. If you have the \$\$\$\$, this is a deal well worth checking into.

Interested in seriously monitoring the public service bands? Then RCMA may be the thing for you. RCMA is the Radio Communications Monitoring Association (P.O. Box 4563, Anaheim, CA 92803). It is a relatively new club, concentrated mainly around the Los Angeles area. All but one of the members of RCMA is from the IA area, namely this editor. Even if you're out of their area, be sure to write for a sample copy of their newsletter if you're a serious monitor.

IRCA member Charles A. Taylor tells us that WWCM 97.7 Brazil, IN, is now on AN-6 (off MM). Verie signer is CE Lee R. Edmundson. Charlie also passes along these comments on FM and TV in the Phillipines: "The FM and TV situation in the Phillipines was most interesting when I left there in November '73. TV needs no pushing there, is a going business. FM broadcasting has already come into its own in the Metropolitan Manila area. Before about 1971, most of the FM band in the area was taken by FM

(continued on page 13)

### New Stations Granted

AK Ketchikan \*105.9 10 [55 km  
 AR Nashville 105.5 km 3000 h,v; 85' 13/  
 CA Barstow 94.3 3000 h,v; -193'  
 IL Decatur 95.1 50000 h,v; 500' 33, 72mi  
 IN Goshen 97.7 3000 h,v; 148'  
 IA Halyoke \*89.5 10 [Miles:  
 MN Sauk Centre 94.3 3000 h,v; 300' 15, 46  
 MS Coldwater 95.3 3000 h,v; 300' ok  
 MO Stockton K240AE 95.9 [KRFB 93.5 Green-  
 field MO translator] m, U, 10 w omit.  
 MT Colstrip K252AG 96.3 [KORL-FM 97.1  
 Billings MT] m; D 76.29; 10 w.  
 NV Lovelock K261AG 100.1 [KNIS 94.7 Car-  
 son City NV] g; DA 205'; 10 w.  
 NC Kinston \*90.5 3000 h,v; 100' 8, 33 mi.  
 NC Southport 107.1 3000 h,v; 300'  
 PA Gettysburg \*90.3 10  
 PA Williamsport \*91.7 10  
 PA York \*88.1 10 [Kilometers:  
 SD Gregory 101.5 100000 h,v; 640' 82, 134/  
 TN Camden 98.3 3000 h,v; 300'  
 TX Austin 102.3 741 h,v; 549' 14, 44 mi.,  
 like K05E Alice TX, also on 102.3, this  
 station will have a Spanish/Latin format.  
 DXers will have to listen carefully to  
 differentiate these two on skip openings.  
 UT Delta K292AD 106.3 [KLUB-FM 97.1  
 Salt Lake City UT translator] 10, D, 271'  
 UT Drem 107.1 3000 h,v; -603' ar  
 VT Bennington 94.3 3000 h,v; 110' 8, 33mi  
 VT Lyndonville \*91.7 10 [ing WI translator]  
 WI Appleton W237AA 95.3 [WRVM 102.7 Sur-  
 WY Cokeville K292AC 106.3 [KSL-FM 100.3  
 Salt Lake City UT translator]m: ON AIR!

### Deletions

AZ Chino KCSO \*89.1 [\*89.3 Pensacola xtr]  
 FL Fort Walton Beach W288AC 105.5 [WPCS/  
 ID Ketchum K292AG 106.3 [KBO1-FM 97.9 Boise]  
 NV Winnemucca K240AC 95.9 [KNIS 94.7 Car-  
 son City NV]; WY Evanston K292AJ 106.3  
 [KRSP-FM 103.5 Salt Lake City UT]  
 MEXICO Ciudad Juarez XHB 100.7  
 Not Deleted: FL Pensacola WPCS \*89.3: in-  
 stallating a new transmission line.

### On Air and DX Ready!

AZ Bullhead City KRHS 102.3 mk 3000(h)-600'  
 AZ Flagstaff KCTB-FM \*93.9 [100000h,v; 1510'  
 FL Goulds WGLY 98.3 1100 h,v; 460' 8'  
 ID Soda Springs K722AG 102.3, K292AR 106.3,  
 and K295AQ 107.1. Format, stereo for:  
 IL Crest Hill WCCO 98.3 3000 h,v; 300' ?  
 IN Fort Wayne WCBL \*90.3 50000 h,v; 265' \$,  
 gca, UPI Audio news  
 IA Washington KC11-FM 95.3 3000 h,v; 300'  
 LA Lake Charles KSNS 96.1 [100000h, v 430'  
 rock and SCA. Also in Lake Charles:  
 KGRA 103.7 [100000 h,v; 470' p-rock  
 ME Cafais WGOY-FM 92.7 3000 h,v; 300' m  
 NC Houlton WHOH-FM 100.1 3000 h,v; 300'mk  
 MO Towson WCVT \*89.7 1850 h,v; 400'  
 MN Detroit Lakes KVLK 95.3 3000 h,v; 275'  
 MN Winona KQAL \*89.5 10  
 MS Booneville WB1P-FM 99.3 3000 h,v; 170'  
 MS Canton WWLM 101.7 2650 h,v; 30'  
 MS Winona WONA-FM 96.7 2500 h,v; 230'

MT Boulder K296AN 107.1  
 MT White Sulphur Springs K252AD 98.3  
 OH Dayton WDS \*90.1 10  
 OK Tonkawa KAYE-FM \*90.5 10  
 TX Alice K05E 92.1 3000 h,v; 300', Latin  
 TX El Paso KAMA-FM 93.13 30000 h,v; 1190'  
 also Spanish, Latin music.  
 TX San Antonio KRUT \*91.7 140; 120'  
 UT Kanab K261AD 100.1  
 UT Monticello K288AZ 105.5  
 UT Orderville K261AE 100.1  
 UT Park City K237AL 95.3  
 WI Wausau W288AD 105.5  
 WI Wisconsin Rapids W244AA 96.7  
 [As you can see, translators are now  
 listed as "on air and DX ready," for  
 FM translators are an important aspect  
 of the 87.9 to 108.0 MHz scene; accounting  
 for more on-the-air hours and more  
 reliable service during traveling and  
 skip times of the year than are 10-watt  
 educational FM stations. Watch the  
 numbers of translators grow (I predict  
 in 20 years the average commercial or  
 educational FM station will have five  
 translators each!)]

### On a ir with changes (Selected)

AL Auburn WEGE \*91.1 389; 190'  
 AR Osceola KHFO 98.1 50000(h); 230'  
 FL Orlando WBWJ 105.1 100000 h,v; 350'  
 KY Mayfield WXID 94.7 10000 h,v; 360'  
 ME Skowhegan WTOS-FM FCC says on air  
 with changes; finally moved from 105.1  
 to 106.7. Anybody close enough to mon-  
 itor them, please check! [310'  
 MI Grand Rapids WZZM-FM 95.7 50000h,v;  
 MI Houghton Lake WJGS 98.5 100000h,v; 470'  
 MO Kansas City KCUR-FM \*89.3 " " ; 820'  
 NY Ithaca WICB \*91.7 5500; 105'  
 NC Charlotte WRQF 95.1 100000 h,v; 570'  
 NC Raleigh WSHA \*88.9 12000 h,v; 115'  
 PA Bloomsburg WHLM-FM 106.5 8800 h,v; 570'  
 VA Fredericksburg WFSL-FM 93.3 50000h,v;

### Formats/Networks

AL Athens WJOF 104.3 still mk (not m only  
 as station manager told me)  
 AL Gadsden WQEN 103.7 r (from m)  
 CT Westport WDJF 107.9 r (from m)  
 DC Washington WYYS 93.9 rs  
 GA Atlanta WCLK \*91.9 js (from j)  
 WKLS 96.1 p  
 GA Macon WDEM-FM 105.3 AP Audio  
 IL Chicago WKCC \*89.3 cs  
 IL Downers Grove WDCG \*88.3 UPI Audio, m  
 IL Loves Park WLUV-FM 96.7 E  
 IA Burlington KGRS 107.3 rock  
 IA Newton KLVN 95.9 country; not stereo  
 LA Golden Meadow KZZQ 94.3 kp, drops \$  
 LA New Orleans WTUL \*91.5 drops \$ stereo  
 ME Norway WWHY 92.7 r (from rk)  
 MD Braddock Heights WZYQ-FM 103.9 drops  
 L (y now no network)  
 NY Rensselaer WQBK-FM 103.9 A (from U)  
 NY Syracuse WATQ (formerly WDS\*-FM) m, \$  
 ND Grand Forks KYTN 94.7 m (from r)  
 OH Cleveland WCRF 103.3 gc  
 WWW 105.7 p

OH Cleveland Heights WLYT 92.3 rs, \$,  
 but no vertical!  
 OH Mansfield WCLM-FM 105.3 r (from m)  
 PA Altoona WFBG-FM 96.1 r (from m)  
 PA Philadelphia WPCP 101.7 mk  
 PA Philadelphia WRCC-FM 104.5 drops 1  
 (or is dropped by !).  
 TN Chattanooga WDEF-FM 92.3 m (from k);  
 no CBS any more, either.  
 TX El Paso KTSW-FM 99.9 mr

### Stereo Stations (or to add \$)

AL Birmingham WDJC 93.7; WZZK 104.7.  
 AL Huntsville WLRH \*89.3  
 IN Kokomo WMLI 100.5  
 MI Muskegon WWJL-FM 106.9  
 NM Mesilla Park KOPE 104.9  
 NY Henrietta WITR \*89.7 (10 watts)  
 NY Oswego WRVO \*89.9. EC Sumter WQOW  
 OH Cleveland WRUM \*91.1 101.3. TX El  
 OH Lorain WZLE 104.9 mk Paso KPAS 93.9  
 WI Rice Lake WLMC-FM 96.3, Mutual  
 WI Stevens Point WSPT-FM 97.9, Dolby, too.

### Facilities Changes

AL Montgomery WHY-FM 101.5 710' (100000  
 h,v); 40, 85 miles [48, 94 miles:  
 AZ Flagstaff KAFF-FM 92.9 48000 h,v; 1510'  
 CA Concord KVHS \*90.5 265 h,v; 450' 9, 35mi  
 IN Indianapolis WIAN \*90.1 10000h,v; 560',  
 40, 84 km. IA Iowa City KSUI \*91.7  
 100000h, 92000v, OA, 1310' 50, 99, trans-  
 mitter 3 1/2 mi north of West Branch IA (DA  
 to protect KISE Rushford) (810')  
 KS Great Bend KVGB-FM 104.3 96000h,v /  
 LA New Orleans WTUL \*91.5 1500 h,v; 160'  
 NC Greensboro WRQK 98.7 adds v (100000h,v,  
 400'), 24, 77 miles  
 OH Greenville WGVG from \*88.3 to \*91.7  
 78 h,v; 95'. RI Kingston WRJU from  
 \*91.1 to \*90.3, 3000 h,v; 267' 14, 44  
 miles (granted over objections of WTEV,  
 channel 6, New Bedford MA). (1000')  
 TN Chattanooga WYMQ 106.5 100000 h,v /  
 VA Chester WDLJ 92.1 300' (3000 h,v)  
 WA Hoquiam KGHQ-FM 95.3 (from 103.9) 1150  
 h,v; 450' 23, 72 km  
 WA Seattle K15W 99.9 100000 h,v (1150')  
 WY Evanston K288AB 93.5 (to rebroadcast  
 KLUB-FM 97.1 Salt Lake City UT instead of  
 KPCX-FM 98.7 " " ) r (was m)

### Dual-City Identifications

OH Fairfield WLWV 94.9 adds Cincinnati  
**SCA (87 kHz) News**  
 CA Northridge KCSN \*88.5 adds SCA  
 CA Sacramento KNOD 106.5 adds SCA  
 GA Athens WNGC 95.5 telemetry only  
 GA Atlanta WREK \*91.1 drop listing [(+X)  
 IA Estherville KILR-FM 95.9 visual news/  
 NY New York WRFM 105.1 inactive  
 LA Lake Charles KSNS 96.1 adds SCA  
 TN Oak Ridge WOKI-FM 100.3 adds new use?  
 TX El Paso KEZB 96.3 name heard; drop  
 listing. TX Midland K 103.3 music.  
 WA Seattle KSEA 100.7 'occasional Mormon  
 church readings'; WI Surging WRVM 102.7  
 adds SCA. PR Aguadilla WTPM 92.9 tele-  
 telemetry only; delete listing.

PH Ponce WPRP-FM 105.1 talk (network relay)  
 PR Rio Piedras WFID 95.7 sports  
 PR San Juan WQDS-FM 99.9 talk (net. relay)  
 VI Frederiksted WVIS 106.1 telemetry only  
**Call Letters Assigned or changed**  
 AL Andalusia 98.1 WOHQ (WCTA-FM) \$ back?  
 CA Bakersfield 96.5 KHIS (was KIFM), g  
 FL Jacksonville 99.1 WQIK-FM (WQIK-FM)

FL Tallahassee 103.1 WOND (WJZS)  
 IL Barrington \*88.5 WBPB  
 IA Creston 101.7 KIFR (KSIB-FM)  
 IA Pella KPLL 103.3  
 MA Sandwich \*91.7 WSDH  
 MN Moorhead 98.7 KWMB-FM (KWIM) still r  
 MS Columbus \*90.9 WLNK  
 NJ Lawrence Twp.(Trenton area)\*89.7 WLCR

NY Stony Brook \*90.1 WUSB  
 NC Winston Salem 107.5 WKZL (WSGH)  
 SC Kingstree 98.3 WWKT-FM (WOKD-FM)  
 TN Tullahoma 93.3 WBGY-FM (WJIG-FM)  
 WA Tacoma 97.3 KNBO (KTNT-FM)  
 WV New Martinsville 103.9 WKGI  
 WYFA CLUB EMBLEM RUBBER STAMP(Like on back cover, but 37mm across), \$3.50 postpaid from Weldon Patterson, Box 25, Adolph MN 55101.

COMMENTS FROM READERS

"It would be helpful if I knew the date of the final deadline for the new Atlas." Well, not being too sure I can only say it will be about the time you see this VUD in print, so if you have some new FM news (which will also be used in this column), send it along right away.

In the December VUD, p. 7, I mixed up the SCAs of two stations. WFOX 97.1 is talk and WWID 106.7 is ABC network; both in Gainesville GA. WXPB \*88.9 Philadelphia will pay rather than contest a \$2,000 FCC obscenity fine; however, FCC might revoke the station's license when it expires Dec. 18, with lack of faculty control an issue. In MN, U of Minnesota students might get their own commercial FM station if the Regents approve. Speculation is that WLOL-FM 99.5 Minneapolis would be sold for about \$1 million. WYOO-FM 101.3 Richfield to be sold and quit r.

CKCU 93.1 Ottawa is on the air, \$, on from late afternoon to about 2 am; owned by Carleton Univ. Student Union. They are licensed for limited "institutional commercials," but were running blatant conventional spots when heard. This has aroused the concern of the CRTC, which is headquartered right in CKCU's home town. KPBS \*89.5 San Diego has a folk show; clear in LA.

Black-owned WHBM 103.9 Xenia OH was "destroyed" by fire in January; no word if they are back on the air with their monophonic soul music format. WPST 97.5 Trenton NJ said to be partially top 40, but still easy listening, but management tells me they are all rock; in transition? One writer says: "In response to rebuttal in 1-76 VUD concerning 'p' and 'r' stations, I'm in favor of your move—particularly helpful in trying to identify tentatives—3 or 4 cuts segued is usually indicative of a non-screamer 'p' format, whereas the fast-tempo backtimed talk-ups would help identify top-40. Same distinctions analogous to 'b' and 'm' regarding speech/music ratio and tempo on 'beautiful music' and 'mor' stations. So 'p' vs 'r' = 'b' vs 'm'."

Dick Clark, now an El Pasoan, went into Ciudad Juarez to see about XHH 100.7 "and there is no sign of them. I guess they went off the air a few years ago. I remember hearing them in 1967." Also not heard (still a CP?); XHG 105.9 Ciudad Juarez.

KQIV 106.7 Lake Oswego OR is being slapped with a \$425,000 suit by a firm hired by the owner to manage the station. Speaking of money woes, "religious-commercial KTAV 92.1 Pella IA apparently in bad financial shape. Look for new KPLL 103.3 to deal the death blow." KDMI 97.3 Des Moines IA now off the air midnight to 6 a. m.

The son in law of the station's owner, and an engineer, is charged with a bombing that put WIOK 98.3 Hempstead NY off the air (it's back on now). He's Leonard Sebel, 24. WWRJ 95.3 Southampton and WWRN 92.1 West Palm Beach FL, with similar ownerships, both appeal to high-income folks through schmaltzy stereo music. The owner of WVIS "Virgin Islands Stereo," is picking up his FM station in San Juan PR, "very clearly, and sometimes it fades and this is with the 5.8 kw. San Juan is about 160 miles from Frederiksted." This is on a car radio.

WHPC (share time with WBAU) \*90.3 Garden City NY is alive and well, reports a reader, answering a question of mine in the Dec. VUD. WVHC \*88.7 Hempstead NY has been beaming a marathon to raise funds for a new antenna. WPCV 97.5 Winter Haven FL carries the "Canadian Radio News Network" at 9 a. m., presumably daily.

KFMK 97.9 Houston is the only Crawford-owned religious FM station not on 24 hours a day. They are on 6 am to midnight, with all gospel music (no preaching, except Sundays). All the other stations, such as WYCA Hammond, are watching KFMK to decide whether to drop the tapes and play only music. That is, all the other Crawford-owned stations are doing this watching.

It hasn't happened yet, but there's talk in Pittsburgh that WEEP-FM 107.9 is about to drop country music and go talk, simulcasting the AM as much as is legal to do so. The format change would leave Pittsburgh without a k station on either AM or FM, unless one includes WIXZ(AM) McKeesport. "Regarding the comments regarding format categories. . . I must disagree. I don't believe that the number of borderline cases between p and r stations is so monstrous that differentiating between the two would be confusing. As a matter of fact, I would like to see top-40 and oldies stations separated from hard rock, as the latter makes me ill. Similarly, different listings for b and m stations would be appreciated."

There is no FM in the British Virgin Islands yet, but our reporter in the U. S. Virgin Islands has heard rumors that someone wanted to start a new FM in Tortola on either 93.5 or with 8 kw e. r. p.

WUJC \*88.7 University Heights OH (moving from \*88.9) is expected to increase its power "year or two" (not exactly lightning progress for a station already having a construction kit to do so) and add stereo. Bill Pinzone, WUJC chief engineer, told this to our reporter. WJPM 99.9 Erie PA calls self "we love you radio."

Aurora was relied upon to supply program format information on WNNS 97.5 Louisville a mid-Atlantic states region reporter. Although not the best audio quality, he was able to report that WNNS not only carries NBC's new NIS network, but continues to carry CBS radio.

Another DXer in the same region is interested in meteor scatter work, and got what he called like m. s. from WPOR-FM 101.9 Portland ME, "but Portland is less than 350 miles from here. I ran across a reference you made to something called a 'tropospheric burst' in a magazine in the old 'DXing Horizons' recently. I have never run across this term before. Can you or anyone else elaborate?" I can't recall using the term and do not have the article at hand, but knowing that area fairly well, I wonder if what you heard was a reflection off an air layer. In Syracuse I quite often got Philadelphia stations at 8:20 am when a scheduled flight was overhead. WWDB would intrude into my reception of Carl McIntyre on WPEL-FM Montrose PA, which is on 96.5.

KTLE 105.5 Twin Lakes IA said to be on the air with no network, and what one of the reporters calls a "poor format." And, "according to Gary Deeb in the Chicago Tribune, the most recent ARB in Chicago shows 30 stations, AM & FM with a measurable audience. WISN (FM) isn't among them. I wouldn't predict much success with all-news on FM locally." The same seems to be true in other areas, such as in New York and San Francisco. Reliable sources in Rochester have informed us that WITR \*89.7 Henrietta NY is stereo, at least now and then. Also, "I support your proposal to differentiate between progressive and rock stations. A beautiful music and MOR split may be a sound consideration also." The increase in power and height for WTLC 105.7 Indianapolis (now 50000 h, v; 450') was abrupt and occurred before it even got into Broadcasting. "You can now hear them in a car anywhere if you should want to. WIAN's move will give us some classical music on an area station at long last that you don't need a huge antenna to get." WNAF 93.1 Indianapolis plans to increase its tower height, while WAZY-FM Lafayette plans to move from 96.7 to 96.5 and more power. KYTN 94.7 Grand Forks ND, now m, un-ID as "FM 95."

\$300 is hopefully going to be all the money it will take to put a new 10-w FM station on at North High School, Kokomo IN. The application, for \*89.1, was returned by the FCC because the dates in two different parts on different dates. Trivial things like this involve the nit-pickers at the FCC! It plans to broadcast 11 am to 3 pm school days, hoping to use calls WHSK. An unusual hiatus occurred at WPLJ 95.5 New York, which was testing from 2-6 am EST on Monday, Dec. 30 with carrier and tones. I wonder if any NY-area DXers were able to get WPLJ 95.5 stations if this station ever shut down its carrier during the testing period?

WSPH \*88.1 Sparrows Point h. s., Baltimore, expects to be on the air this fall, planning a schedule on school days with additional special nighttime programming (10 watts).

Not clear whether FM or AM or both is a proposal by the FCC to "double the number of stations on the dial. It's the idea that present radio transmitter and receiver technology makes it technically practical to reduce dial separation and thereby crowd more stations on the dial. A new generation of radio receivers would have to be designed, effectively making present receivers obsolete. But some FCC engineers not only seem to think it can be done, but think it should be done." Editorializes the National Radio Broadcasters Association: "The negative effect this policy would have on the public and the radio industry has evidently not been given much consideration by the advocates of radio dial crowding."

#### Contributors this issue:

Frank Aden, Jr., Bend OR; Robert B. Babut, Lewiston NY; Jose Bahr, Frederiksted VI; E. W. Cadmus III, New-Brunswick; Richard Clark, El Paso TX; Thomas V. Cornell, Kokomo IN; Mike Dorner, Jr., Metairie LA; John Ebeling, Bloomington MN; H. H. Ellis, Brantford, Ont.; William Fait, Willoughby OH; Paul L. Gaines, Detroit MI (who sent a picture off his TV screen of a WDRQ 93.1 Detroit ad); Harry J. Hayes, Gouldsboro PA; Joel Hermann, Ames IA; Bill Heusmann, Des Moines IA; George W. Ingram, Pittsburgh PA; Albert J. Kopeck, Dundee NY; Mark Lewis, London, Ont.; Nick Lombardi, Atlanta GA; John Madsen, Bonneville International, Salt Lake City UT; Fred McCormack, Fargo ND; Vic Melis, Pottstown PA; Kenneth R. Miller, West Palm Beach FL; Paul R. Mount, Teaneck NJ; John Tooley, Georgetown DE; Don Voegelé, Chico CA; Larry Weil, E. Troy NY; Dr. Richard E. Wood, Garden City NY; John Zandio, Hammond IN.

# Bob's Tek-Notes

by Robert B. Cooper

## NOAA WEATHER RADIO

A well-known philosopher of the 30's ventured the thought that "everybody talks about the weather, but nobody does anything about it." Some plus years hence, things haven't changed that much.

Or have they? Actually, if anything, more people are talking about weather, and some people are even doing something about it. Our purpose here this month is to tell you about a new program which you may wish to investigate because it offers you a new opportunity to hear somebody talking about the weather, and it offers you an opportunity to do something about it.

If there is an ultimate source for accurate weather data, it is the National Weather Service. NWS operates as an arm of the National Oceanic and Atmospheric Administration (NOAA), which is in turn chartered by the U.S. Commerce Department. NWS is the agency responsible for your hourly (day-to-day, etc.) forecasts. It is also responsible for the severe weather, tornado warnings and watches. In years long gone by, the United States Weather Bureau performed these same functions on a lesser scale. Now the Weather Bureau has been replaced in the federal scheme of things by the NWS nameplate.

The science of weather forecasting and reporting has been rapidly advanced during the past decade. At the same time, the reporting system utilized by NWS and others have been steadily improved so that today fewer and fewer severe storms go unnoticed or unreported, even when they are confined by happenstance to remote areas of the country with low habitantion levels.

The NWS has long relied upon the cooperation of radio and television broadcasting stations to get the message out when severe weather threatens. To back up the official NWS advisories, most television stations and many larger radio stations have their own weather reporting and advisory systems worked out. Those with staff meteorologists usually depend upon the NWS advisories with their own interpretations and station-generated data. Many midwestern stations have installed their own "weather radar" systems, primarily because this gives the station weather reporting personnel the added flexibility of knowing what the storm is doing full time; they are not limited to merely reporting on advisories received from the NWS.

Finally, a couple of years ago NOAA set out on their own to reach the public without the customary assist from the nation's broadcasters. A program of nationally interconnected VHF (FM) transmitters, NOAA Weather Radio was born.

## Constant Weather

In addition to observing that everyone talks about the weather but nobody does anything about it, humorist Will Rogers is also credited with the observation that "if you don't like the weather here (he was in Oklahoma at the time), stick around a few minutes; it will change!" The Weather Radio broadcasts apparently believe in that statement, because stations to be described here are for the most part constantly updating, revising, and making current the weather forecast and report data broadcast. Here is how the system works:



NOAA STATION LIST \* denotes not on air 12-31-75 but due on before 3-31-76

Location	Call Sign	Mhz Frequency	Watts Power	Antenna Height
Akron OH	KD094	162.4	330	672'
Anchorage AK	KEC43	162.55	330	30'
Astoria OR	KEC91	162.4	100	35'
Atlanta GA	KEC80	162.55	330	300'
Atlantic City NJ	KHB38	162.4	330	300'
Baltimore MD	KEC83	162.4	1000	300'
Boston MA	KHB35	162.4	330	475'
Brownsville TX	KHB33	162.55	330	218'
Buffalo NY	KEB98	162.55	330	380'
*Bay City MI				
Charleston SC	KHB29	162.55	330	500'
Chicago IL	KW039	162.55	1000	1500'
Cleveland OH	KHB59	162.55	330	300'
*Coos Bay OR				
Corpus Christi TX	KHB41	162.55	330	280'
*Crescent City CA				
Dallas TX	KEC56	162.4	330	300'
*Daytona Beach FL				
Denver CO	KEC76	162.4	300	85'
Des Moines IA	KEC75	162.4	300	165'
Detroit MI	KEC63	162.55	300	360'
Eden MD	KEC92	162.4	1000	450'
Erie PA	KEC58	162.4	330	365'
Eugene OR	KEC42	162.4	80	45'
Eureka CA	KEC82	162.4	80	38'
*Ellsworth ME			1000	
*Forks WI				
Fort Worth TX	KEC55	162.55	330	250'
Galveston TX	KHB40	162.55	330	360'
*Gulfport MS				
Honolulu HI	KBA99	162.55	80	91'
Houston TX	KGG68	162.4	330	182'
Hyannis MA	KEC73	162.55	330	320'
Indianapolis IN	KEC74	162.55	300	508'
Jacksonville FL	KHB39	162.55	330	205'
Kansas City MO	KID77	162.55	1000	335'
Kauai HI	KBA99	162.4	90	42'
*Key West FL				
Lake Charles LA	KHB42	162.55	330	100'
Los Angeles CA	KW037	162.55	275	55'
Mauai HI	KBA99	162.4	300	26'
Miami FL	KHB34	162.55	1000	306'
Milwaukee WI	KEC60	162.4	300	285'
Minneapolis MN	KEC65	162.55	330	84'
Mobile AL	KEC61	162.55	330	500'
Monterey CA	KEC49	162.4	275	40'
*Morgan City LA				
Myrtle Beach SC	KEC95	162.4	330	240'
New Bern NC	KEC84	162.4	330	600'
*Newport OR				
New London CT	KHB47	162.4	330	85'
New Orleans LA	KHB43	162.55	330	250'
New York NY	KW039	162.55	1000	860'
Norfolk VA	KHB37	162.55	1000	479'
Oahu HI	KBA99	162.55	250	90'
Panama City FL	KBB67	162.55	1000	200'
Pensacola FL	KEC86	162.4	330	200'
Pharr TX	KHB33	162.4	330	310'
Phoenix AZ	KEC94	162.55	330	100'
Portland ME	KD095	162.55	330	315'

NOAA STATION LIST (continued)

<u>Location</u>	<u>Call Sign</u>	<u>MHz Frequency</u>	<u>Watts Power</u>	<u>Antenna Height</u>
Portland OR	KEB97	162.55	275	39'
*Philadelphia PA				
*Pittsburgh PA				
*Rochester NY				
Sacramento CA	KEC57	162.4	275	75'
St. Joseph MO	KEC77	162.4	300	50'
St. Louis MO	KDO89	162.55	300	325'
San Diego CA	KEC62	162.4	300	52'
*San Luis Obispo CA				
Sandusky OH	KHB97	162.4	330	335'
Salt Lake City UT	KEC78	162.55	330	48'
San Francisco CA	KHB49	162.55	275	55'
*Santa Barbara CA				
*Santa Rosa CA				
Savannah GA	KEC85	162.4	330	225'
Seattle WA	KHB60	162.55	275	37'
Seward AK	KEC81	162.55	90	45'
*Tallahassee FL				
Tampa FL	KHB32	162.55	330	161'
*Traverse City MI				
Washington DC	KHB36	162.55	1000	250'
West Palm Beach FL	KEC50	162.4	330	200'
Wichita KS	KEC59	162.55	300	135'
Wilmington NC	KHB31	162.55	330	320'

Antenna height is height above ground; some sites may now be higher than indicated. Some antennas are located at elevated sites (i.e. Astoria is 1990' AMSL; Maui is 9976' AMSL, etc.) so ranges will be considerably greater than antenna height would normally suggest.

WEATHERALERT RECEIVERS

Frequency Range: 162.40 or 162.55 MHZ (switch selected)  
 Oscillator Control: crystal control  
 Design: dual conversion, narrow band FM, solid state  
 FM Recovery: 5 KHz deviation

Model TA4      Retail Price \$29.95

- (1) 2½" speaker
- (2) 117 VAC powered
- (3) External 300 ohm antenna terminals
- (4) Size: 3" x 3½" x 4"

Model TA3F      Retail Price \$49.95

- (1) 2½" speaker
- (2) 117 VAC powered, automatic switching to internal 9 VDC battery with (power failure)
- (3) External antenna jack (requires phono plug adapter) for 75 ohm fitting
- (4) Siren/beeper alarm for severe-weather broadcasts
- (5) LED flashing light indicator when warning is received
- (6) Size: 3" x 5" x 1½"

MANUFACTURER: Weatheralert, 639 South Dearborn Street, Chicago, IL 60605

Through a present "network" of some 82 VHF stations (17 more are scheduled "on the air" in January and February; see full list accompanying this article), NOAA-operated transmitters on either 162.4 or 162.55 MHz transmit weather data 24 hours per day. The broadcasts are manned by NWS personnel, and there is no delay between the preparation of the weather data and the broadcast, save for a brief transit time while the material is placed in front of a NWS microphone and a weather bureau person is pressed into duty to read the "copy." The weather reports, which include the current climatological data as well as comparisons with other temperature extremes for that same date, the rainfall accumulations for the month and year to date, and forecasts of what to expect in the coming forecast periods, are placed on tape several times per day, or as often as updating requires change. The automatic equipment then cycles and recycles the data over and over again, so that if a typical listener tunes in at any point, within 5-7 minutes he has all of the current data. Then the tape automation equipment replays the current tapes from start to finish.

As the material is updated, the tapes are made fresh also. The broadcast material is always the latest NWS data; in short, weather buffs hear the reports first on the NOAA broadcasts. On commercial broadcasts, there are delays for wire-service transit time, and individual commercial station airing schedules of up to an hour or more before the same data finds its way into the normal AM radio or several hours before it ends up on a regularly scheduled television station weathercast.

Additionally, most NOAA stations are now supplementing their basic weather data with additional information of particular interest to a locale. The Kansas City NWS outlet, for example, regularly reports on Missouri River levels; the Los Angeles NWS outlet covers the smog-alert index, and coastal stations deal out data on tides, wave heights, and so on. In the final analysis, all of the data presented is in plain English; it is easily understandable by the average man in the street, and unlike the specialized NWS services such as flight aviation weather, it does not take more than a grade-school education to interpret what is being said to you.

### Transmission Facilities

The typical NOAA transmitter facility operates with a transmitter output power of between 300 and 1000 watts. This is loaded into an omnidirectional gain antenna that results typically in ERP's of 2 KW to 6 KW. The transmitting antennas are elevated, with some examples being the Chicago station located 1500 feet above ground level on the Sears Tower; others are side-mounted on television broadcast towers, on hilltops, or atop mountains, such as the Los Angeles facility on Mt. Wilson.

With these types of ERP's and elevated transmitter sites, the typical NOAA service contours range from 40 to 60 miles. This is not unlike the coverage one would expect with a TV broadcast station, to a modestly equipped rooftop antenna receiver. However, the NOAA-predicted contours are based upon very simple receivers equipped not with rooftop antennas but rather with built in quarter-wave antennas. Like any VHF receiving situation, a good outdoor antenna does wonders for the coverage range.

The transmitters presently operate on either 162.40 or 162.55 MHz. A third "split channel" will be put into service in 1976 in some locales on 162.475 MHz. Transmissions are via FM, 5 KHz deviation.

### Slowed NOAA Station Growth

It has become apparent that the near-future growth of the NOAA VHF stations is in some limbo. The station list shown here separately is accurate. However, the expansion of the station list beyond those locations shown, in the near future, is in considerable question.

Initially, more than 300 stations were contemplated. Strangely, the funds to make these stations operable are available and ready to be spent. However, it appears that there has been a very slow response from "bidders" (i.e. commercial suppliers of station equipment) to turn the cash available into working stations. Whether the NOAA people are insisting on terms the suppliers cannot live with, or the station suppliers are simply not interested in the project, is unknown at this time. The fact remains that even with money available, further expansion in 1976 is in considerable question.

Therefore, if you are within receiving range of one of the locations given here, you are home free this year. If not, it may be some time before your area has service.

### Severe-Weather Alerts

Anyone with a receiver for these broadcasts in their possession learns quickly that in the event of severe-weather threats, one of the first things you should do is turn on the NOAA weather receiver and find out what is really going on. However, because the broadcasts are on tape and repeat in 5-7 minute cycles, a person would quickly lose interest if after a few minutes he heard no real warning data (indicating everything was normal, or below severe limits). So the NOAA people have come up with a system that borrows rather freely from the VHF two-way radio industry something known as "tone-alert." It works this way.

When there is to be a severe-weather warning or report of any type, the actual broadcast of that information is preceded by a 5-10 second "blast" from a 1050-cycles-per-second tone generator. This audio tone is a special signaling tone which triggers a buzzer or alarm in the NOAA weather receivers available commercially. The buzzer or alarm in the receiver operates independently of the volume control, through a muting circuit. When the receiver is placed into the "tone-alert" mode, all normal transmissions are silenced. But a transmission preceded by the 1050-cycle tone is heard because the tone "unlocks" the receiver muting circuit. Therefore, a receiver user can set the receiver in the mute position and go back to whatever it was he was doing previously, secure in the knowledge that if a severe weather warning or broadcast is transmitted, his receiver will "unmute" and he will hear the broadcast. And because this service functions 24 hours a day, a NOAA Weather Radio placed on the bedside table becomes a 24-hour-per-day weather alerting system for the radio owner/user.

Not all NOAA broadcast receivers are equipped with this "tone-alert" muting function. This is an optional extra. However, it should be noted that of those receivers optionally so equipped, many also have one other nice feature: a light which is tied to the muting circuit. If the receiver is on, in the muted position, and the receiver owner has left the room for the span of time when the 1050-cycle alerting tone is broadcast (and he therefore misses the severe-weather warning), the light is his clue to something severe being up. The light begins to blink, about once a second, when the 1050 hertz tone is received. And the light continues to blink on and off until someone pushes a slide switch on the receiver which shuts the light down. That serves as a visual reminder that a severe-weather broadcast has been transmitted, and it tells the receiver user to change from mute to regular reception to check out whatever it is that is happening.

### The Basic Receiver

In developing the background for this report, we met with not only the NOAA people in charge of this project nationally, but also with suppliers of the NOAA-equipped receiver. If you visit the Radio Shack stores or other consumer-oriented electronics outlets, you are already aware that there are dozens of two-band, three-band, four-band, etc. radios on the market, some of which have "Weather Radio" receiving capabilities. Most of these multi-band radios are made in the Far East and sell under hundreds of label names for prices that range from \$30 to several hundred dollars each.

In addition to these multi-band radios, there are also a few lines of Weather Radio "only" receivers available; generally in configurations that start as low as \$10 (for a Radio Shack Cube special) up to perhaps \$75.00. These FM receivers are generally compact, battery operated or battery and AC operated, have a built-in whip antenna, and offer switch or manual selection (sometimes innards concealed) of either of the present two NOAA broadcast frequencies of 162.4 or 162.55 MHz.

After looking at the performance specifications and the general interface capabilities of the units on the market, we have zeroed in on a line known as the Weatheralert Radios available from Weatheralert, Inc. (639 South Dearborn Street, Chicago, Illinois 60605). A separate box-style review looks at a couple of these receivers in some depth as a companion report to this full article.

73, Bob Cooper, Jr.

*Bob*

Retyped &  
edited by  
C. Ingram

(Reprinted from CATJ, Community Antenna Television Journal, January 1976.)

#### WTFDA MAILBOX (continued from page 4)

transmitters that were used as studio-transmitter links to AM transmitters outside the metropolitan area. In 1973, the Telecommunications Control Bureau, after extensive consultations with chief engineers and technical directors in the area (I got to sit in on one conference), ordered FM studio-transmitter links to be moved into the assigned 300 MHz band, thus clearing the way for those who wanted to use FM broadcast band for commercial and religious stations. This was also done as the TCB had plans to reduce the total station population on the AM broadcast band to 25, to reduce interference and foster more reasonable competition. Many stations went to FM. The Phillipine Broadcasting Service, itself a governmental entity, was ordered to close down DWOK-830 and DWIM-1500; leaving DZFM-710 and DZRM-960. Four of the six FM STLs of the PBS were ordered closed down, and the remaining two, although serving STLs, also serve as FM sides (DZFM-FM and DZRM-FM). The Far East Broadcasting Company, religious broadcasting organization (MW and international SW), was ordered to close down DWFE-1030 "Manila's Fine Music Station", which broadcast 100% classical music. Before its closure, DWFE-98.7, began operations and now carries its functions. Martial Law closed down the National Council of Churches DZCH-1600, leaving DZCH-FM-102.7, which NCC began to put to excellent use with stereo broadcasts. DZCH-FM became DWXB and make a good show of it. Later, DZCH was reauthorized on 1380, but by then DWXB was established. In the Provinces (i.e. outside the MetroManila area), FM broadcasting still has much room in which to develop. Formerly, FM transmitters served as STLs until the TCB ordered them either moved to the 300 MHz STL band or expanded into a full FM side for the AM station. The latter route seems the more prevalent, and the FM was required to request a new call sign. Thus, DZWT-FM, the FM STL of DZWT-540 (U. of St. Louis), Baguio City, became DXWR (99.9).

And finally, Martin J. Theil (12 Princeton Dr. E., Holiday, FE 33589) would like to hear from fellow members about indoor antennas and on how to make a TVI trap to reduce TVI. He would also like to compare VHF radios, scanners, and tunable radios. He also is wondering if the Bearcat 101 is out on the market yet. Anyone know?

Wow, that's even more than last month's Mailbag! Keep those cards and letters coming in gang! Hope you enjoy the VUC as put out by the new publishing crew and editor. I'm the old man of the group, with almost 5 years in WTFDA.....an old man at 22, hi. See you next month.....jz

# EASTERN TV-DX

Bill Thompson  
1907 Seneca Street  
Buffalo, NY 14210

March 1976

Deadline: 10th

Midwinter tropo conditions in most Eastern areas have been quite poor. In past years, January has often been noted for brief periods of excellent ducting. This time however, a lousier-than-usual winter prevented anything really notable from developing in the East. January Es openings were numerous but unspectacular, mainly centered in the first two weeks.

Harry J. Hayes Star Route Box 226c Gouldsboro, Pennsylvania 18424 (EDT)

"I might as well report my summer time DX before it becomes too ancient. TV-DX comes in third, after AM and FM DX, as my favorite form of DX so I haven't done that much especially when FM was active. Most of the DX was done on a RCA Victor 19" with a 15' log periodic antenna. I now have a Zenith Chromacolor which is a lot more sensitive, especially on high band VHF and UHF. The NYC high banders are watchable whereas before if I got the sound I was lucky, hi. UHF tuning is detent. WLVT-39 Bethelham is almost always there to some extent, so maybe even some UHF DX will be possible on my set-up. Most of my DX this time around is Es."

<u>June</u>		26 Es	1300 WOV-6 Omaha NE
2 Es	0945 KJAC-4 Port Arthur TX		1430 WMT-2 Cedar Rapids IA
	KFDX-3 Wichita Falls TX	28	2000 KQTV-2 St Joseph MO
8	1400 KFDX-3 Wichita Falls TX	<u>July</u>	
9	2022 ICR-2 Havana CUBA "w/TP"	1 Es	1030 WCIX-6 Miami FL
12	2011 KTBS-3 Shreveport LA		"Cir Appeal"
13	1230 WTHS-2 Miami FL		1256 WKR-5 Mobile AL
	1322 ICR-2 "w/R. Rebelde IDs"	2	1310 KTVI-2 St Louis MO
16	1410 "Very intense Es, ch 2 thru 6." usIDs 5 & 6 NBC	3	1310 KCKT-2 Gt Bend KS
	1430 WRRC-3 Memphis TN		1315 KARD-3 Wichita KS
17	1640 "UnID Es on 2 thru 4 with ads in SS for 7UP and Keebler on 2 and Flintstones in SS on 4. Antenna pointed toward Puerto Rico. In for a good half hour."	4	1035 CBWT-6 Winnipeg Man
		10	1400 WEAR-3 Pensacola FL
			1404 WSB-2 Atlanta GA
		20	2000 KDAL-3 Duluth MN
		<u>August</u>	
21	1230 KOCO-5 Oklahoma City OK	9 Es	2000 KYTV-3 Springfield MO
	1300 KSNB-4 Superior NE		KTEW-2 Tulsa OK
	1330 KTVI-2 St Louis MO	<u>November (EST)</u>	
22	1330 KFDX-3 Wichita Falls TX	9 Es	2130 "Es 2 thru 6"
	1345 WKY-4 Oklahoma City OK		2300 KQTV-2 St Joseph MO
25	1130 "Es to ch 6"		KLNB-3 Lexington NE
	KMTV-3 Omaha NE		2310 KTEW-2 Tulsa OK

Wayne Fitzgerald 718 Leesville Road Lynchburg, Virginia 24502 (EDT/EST)

<u>August</u>		<u>January</u>	
10 Tr	2100 WAFB-22 Annapolis NO185	7 Es	2320 CKPR-2 Thunder Bay R0920
<u>October</u>		8	2330 KTEW-2 Tulsa OK R0918
4 Tr	1230 WHRO-15 Norfolk VA NO168	11 GW	2020 WISAN-80 Amherst VA N0021
	WYAH-21 Portsmouth NO159		2035 W/6AE-76 Rustburg VA N0015
	2100 WBFF-45 Baltimore NO194		2045 W/DAP-70 Lovington N0039
	WVBT-53 Goldvein VA NO133	13 Es	1900 KPCA-2 Minneapolis R0883
<u>December</u>		18	1630 KWGN-2 Denver CO R1385
18 Es	2200 KTEW-2 Tulsa OK R0918	Present log totals: 141	

"DXing has been very dull here this winter. The addition of a Blonder-Tongue #4542 preamp helped UHF by 50%. And the WTFDA UHF Translator Guide helped identify some translators. However, there are at least 3 more I have not yet identified. My apologies to Clarke Ingram for not getting the photos he requested. My camera has been on the blink and just out of repair. Will get the photos real soon. Best of luck to everyone."

Martin J. Theil 12 Princeton Drive E. Holiday, Florida 33589 (EST)

<u>January</u>		16 Tr	0930 WESH-2 Daytona Beach 5555
11 Es	1200 WKAQ-2 San Juan PR 2212	22	2230 WCJB-20 Gainesville 3344
	1230 WAPA-4 San Juan PR 2222		2300 WSVU-26 Naples FL 3443
Tr	1300 WJXT-4 Jacksonville 3333	29	2300 WSWB-35 Orlando FL 4333
15	1200 WTLV-12 Jacksonville 3223	31	0750 WMFB-24 Orlando FL 3333

Bob Seybold Bennett Road Dunkirk, New York (EST)

"Finally I have report going back to Nov. 4. Not much lately except some skip. Not much time to DX but keep tabs often."

November

4 & 5 Tr "Huge opening--noted about 1700--band open to Iowa, later into Nebraska and South Dakota with many at closer range. Some Iowa U's in all evening into AM of 5th. Some loggings: KMBG-14 Sioux City IA (waited years for this, then got it over 5 hours easy), WCMU-14 WMTV-15 WICD-15 KDSB-16 Aberdeen SD, WINDU-16 WUST-16 WTVQ-17 WVTV-18 WRAU-19 KQNB-19 Norfolk NE, WXON-20 WICS-20 WHRM-20 Wausau WI, WHA-21 WKOW-21 KSIN-21 Sioux City IA, KVFD-21 Fort Dodge IA, WSBT-22 WKAR-23 WCBE-23 WYTI-25 WSEK-25 WCIU-26 KYNE-26 Omaha NE, WSJV-28 WBYC-28 WHLA-31 KRIN-32 WFLD-32 WPNE-38 WMTV-36 KHIN-36 Red Oak IA, WVGC-35 WNIT-34 KIDL-30 WUHQ-41 WHEB-40 WSNS-44 WMBD-31 WTFP-47 WBGU-57; lots of VHF in from Iowa (KWIL-7, WOI-5, etc.), Illinois, Wisconsin and new WBKB-11 Alpena MI."

5 Tr CKCO3-42 Oil Springs Ont, Michigan U's. "Evening--WBGU-57 & others."

7 "Philly, Harrisburg, Washington DC, Maryland and New Jersey U's"

9 Es "Evening--Florida--also WBRZ-2 KATC-3 & few others."

16 Tr "Trops to north: WBKB-11 Alpena MI, WNPB-13 Marquette MI, Sudbury 5 & 9, North Bay 4 & 10, unIDed-7 (Canada--CBPST?)"

December

6 Es "Florida--Miami, WEDU-3, Jacksonville & Dothan on 4"

January

10 Au "Aurora heavy after 1500 EST--channels 2-13; tentative WDSE-8 MN."

13 GW CICO28-28 Kitchener Ont "CICA-19 relay testing--now regular--better signal than any Toronto U's. Can be picked up on loop antenna."

Es "Evening--WMAB-2 KATC-3 & others."

17 "Evening, mostly unIDs--channel 2 especially heavy skip."

"Ch 24 Ottawa received often. Also some signs of CICO18-18 London Ont signal lately. Log now at 690." (Good luck on 700, Bob. Clarke Ingram)

Paul D. Traska 64 Weaver Avenue Buffalo, New York 14206 (EST)

December

15 MS 0535 WSB-2 Atlanta GA R

18 0312 WFTV-3 Charlotte NC N

21 0503 unID-2 "resolution chart" R

22 0610 WLWD-2 Dayton OH R

23 Es 1200 unID-2 "CCI S.W. & W."

KFDX-3 Wichita Falls TX R

unID-4 "S.W."

1300 KXAS-5 Ft Worth TX R

1308 unID-6 "Texas"

1310 unID-3 "ABC S.W."

2307 WEDU-3 Tampa FL

28 Tr 2345 WJAC-6, WTJ-10 PA

January

3 MS 0659 unID-5 "IHTP--west"

5 Es 1130 KTBS-3 Shreveport LA R

6 MS 0212 CBWFT-3 Winnipeg Man N

Tr 0253 CKS01-3 Elliot Lake Ont R

MS 0455 unID-2 "slide promo S.W."

0550 WLWC-4 Columbus OH R

0557 unID-4 "CB (3) S.E."

13 Es 1825 unID-2 "S.W."

1907 KTBS-3 Shreveport LA R

GW 1940 CICO28-28 Paris Ont N

21 Tr 0004 CICO18-18 London Ont N

February

1 Es 1655 unID-3 "southwest"

Steven Sprachman Macomb Hall Box 319A Plattsburgh, New York 12901 (EST)

"I have a 12" R/W Motorola TV. For antennas I use an indoor VHF (cheap) and an indoor UHF both from the local Radio Shack. This is the best I can do at the present time."

January

2 From Seaford, NY:

Tr 2030 Scranton 16, 28, 44

WPHL-17, WTAR-29 Philly

WLVT-39 Allentown PA

WNJT-52 Trenton NJ

7 0830 WNXP-16, WRRB-28, WLVT-39,

WEIH-24, WHNB-30

WSEK-38 Boston MA

0930 WATR-20 CT, WSMW-27 MA

WKBS-48 PA, WNJT-52 NJ

13 Es 1830 unIDs 2, 4, 5

"In some areas of the country local stores give out free TV schedules such as 'TV FACTS'...if anybody wants a TV schedule from the NY Metro region, send me enough postage or an exchange of the local TV schedule to my Plattsburgh address until the first week in May; after then send it to my Seaford address. There are no free TV schedules in the Plattsburgh area."

13 Es 1900 WEAR-3 Pensacola FL T

KSN-3 "???.with local

nx--KSN Newcenter 3. May

be an NBC station."

(Definitely KARD-3 Wichita.

"KSN" means Kansas State

Network; KSN is NBC -bt)

16 Tr 2300 WPHL-17, WATR-20, WNJS-23

to WHNB-30, WEIH-24, WEDN-53(T)

2340 Philly U's WNJS-23, WNJT-52

23 Back at Plattsburgh:

Tr 2030 WVTA-41 Windsor VT 3133R

Ken Simon 528 Pilgrim Road West Palm Beach, Florida 33405 (EST)

January 16 Tr 2100 WUSF-16, WBBH-20, WMFB-24, WTVX-34, WSWB-35, WKLT-40, WTOG-44 FL

3 Tr 0730 W64AD-64 "rebr: ICR-6" R  
Es 1613-1750 unIDs 2-4

Tr 1715 WLCY-10 Largo FL R 170  
1906 WUSF-16, WMFB-24, WSWB-35, 24  
WKLT-40, WTOG-44 FL

"2nd & 3rd had visit from JOHN COMBS"  
4 Tr 0900 W69AA-69 Hollywood FL R 45  
1006 WLCY-10 Largo FL 1011R

"5th had a visit from WTFDAer Tony 31  
Ward and Janet...no skip"

8 Tr 1830 WMFB-24, WSWB-35 FL  
9 1420 WMFB-24, WSWB-35 FL  
10 ?? 2228 "2,4 CCI"  
2245 unID-2 "NBC audio"

11 Es 1615-1652 unIDs 2,3,4  
1710 KTVI-2 St Louis MO R1020 1200 WSWB-35 Orlando FL

"Nothing too exciting but some Es...FIRST IDed Es here since last AUG... not much but still it's been a long drought." (Ken, your unidentified propagation on January 10 may have been a result of the massive auroral disturbance on that date. At your southerly latitude, the effects of an aurora on VHF are perceivable very rarely; however, the auroral activity was so intense here "up north" on the 10th, I wouldn't be surprised to learn that other TV DXers with southerly QTHs noted auroral hash. Any comments from the propagation experts in the club would be welcome --bt)

FM



# STATISTICS

MARCH 1976

Glenn Hauser, editor  
1312 West Oak Ave.  
Enid, OK 73701 USA

## 98 MHZ FM DX RECORDS

MHz	Prop	Call	Location	Miles	DXer, Location
98.1	Es	KABL-	San Francisco CA	1475	Glenn Hauser, Von Ormy TX
	Tr	WAFB-	Baton Rouge LA	850	Russ Brown, Saint Joseph MI
	MS	WLEK-	Lexington KY	1105	Fred McGormack, Des Lacs ND
	Au	CHFI-	Toronto Ont	535	Andy Bolin, Charleston IL
98.3	Es	WSUX-	Seaford DE	1460	Glenn Hauser, Von Ormy TX
	Tr	"CBW-"	Winnipeg Man	840	Andy Bolin, Charleston IL
	MS				
98.5	Au	WZMF	Menomonee Falls WI	250	Andy Bolin, Charleston IL
	Es	KPAC	Port Arthur TX	1635	Richard Wood, Medicine Hat Alta
	Tr	KQXX	M9Allen TX	955	Mike Dalton, Clearwater FL
	MS	WROR	Boston MA	905	Andy Bolin, Charleston IL
98.6	Au	WSB-	Atlanta GA	590	Russ Brown, Saint Joseph MI
	Es	TGHR-	Guatemala City Guat	1135	Paq Dyer, San Antonio TX
	Es	KBBC	Phoenix AZ	1765	Mike Dalton, Clearwater FL
98.7	Tr	KNUS	Dallas TX	900	Mike Dalton, Clearwater FL
	MS	WMDE	Greensboro NC	1000	Glenn Hauser, Enid OK
	Au	KLOH-	Pipestone MN	385	Fred McGormack, Des Lacs ND
98.9	Es	KERNY-	Kearney NE	1350	Shelby Remington, New Haven CT
	Tr	KBOA-	Kennett MO	740	Bruce Elving, Duluth MN
	MS	WSPA-	Spartanburg SC	895	Glenn Hauser, Enid OK
	Au	WSPA-	Spartanburg SC	555	Russ Brown, Saint Joseph MI

Please send in your record candidates for 99 MHz and up, for eventual compilation here. My apologies for missing the last few months; I am involved in a much more extensive editing job for NASWA, but WTFDA is not forgotten: 73, Glenn



# CENTRAL TV-DX

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

Deadline: 12th

Not much dx around during the past month. Temperatures have been below normal here for the past six weeks or so (highs in low 20's lows near zero or below) which hasn't done much for tropo dx. This past week the wx has warmed up considerably, however, and I think the present pattern will hold for a while (I hope.)

Paul Gaines; 15920 Puritan St., Detroit, Mi. 48227 EST

- 1-9 Tr CKCO-13, WZZM-13, WEWS-5, 1-20 Tr 0145 WITI-6 WI. 1022(245)  
WTVN-6, WKYC-3, WNDU-16; 0332 WISN-12 " " "  
WSJV-28, WUHQ-41. 0337 WGN-9 IL. 0322(225)  
Ms 0225 Unid-4; WSW 0409 WBBM-2 IL. 1022 "
- 1-10 Tr WNDU-16, WUHQ-41, WSJV-28, 1-21 Tr Battle Creek, Columbus, Akron,  
Ft. Wayne U's, CKGN-6(Paris) Kitchener, Erie, Cleveland,  
WICU-12, WTVN-6, WKYC-3, Grand Rapids.  
WLWC-4, WHIO-7. 0159 WTRF-7 W.Va. 1022(205)  
0232 WRTV-6 In. 1022(230) 0326 WBBM-2 IL. 1222(225)  
0251 WITI-6 WI. " (245) Ms 0405 WCBS-2 N.Y. 1012(490)  
0359 WISN-12 WI. " " 1-22 Tr Cleveland, Battle Creek, Kitchener,  
0429 WBBM-2 IL. " (225) Grand Rapids.  
Ms 0432 WCBS-2 N.Y. 1012(490) 1-23 Tr 0246 CELT-5 Ont. 1022(205)  
0440 Unid-4; SW. Ms 0526 WCBS-2 N.Y. 1012(490)  
Tr 0625 CFTO-9 Ont. ? (205)
- 1-11 Tr WEWS-5, WKYC-3, WLWC-4, Tr Cleveland, Youngstown, Columbus,  
WLWD-2, WNDU-16, WUHQ-41 Erie, Dayton, Lima, Alliance,  
0321 WMAQ-5 IL. 1521(225) Kalamazoo, Grand Rapids, Paris,  
Ms 0357 Unid-2 Kitchener, Warton, Akron, Ham-  
ilton, S.Bend.
- 1-12 Tr WEWS-5, WJW-8, CKCO-13, 1-24 Tr Cleveland, S.Bend, Dayton, Kala-  
mazon, Grand Rapids, Ft. Wayne,  
WNDU-16, WVIZ-25, WUHQ-41, Columbus, Kitchener, Battle Creek  
WOSU-34, WLIO-35, WNEO-45, Akron.  
WKCN-27, WYTV-33, WAKR-23. Ms 0518 WCBS-2 N.Y. 1412(490)
- Ms 0138 Unid-4; WSW 1-25 Tr 0208 WKRC-12 Oh. 1522(235)  
0212 WLWI-13 In. (now WTHR)  
1-13 Tr Ft. Wayne U's, Youngstown U's, 1422(230)  
S.Bend U's, WICU-12, CKCO-13, 0229 WRTV-6 In. 1022(230)  
WUHQ-41, Cleveland V's, WHIO 0244 KDKA-2 Pa. " (210)  
-7, WOTV-8, WLWC-4, WAKR-23, 0330 WLWT-5 Oh. 1222(235)  
WVIZ-25, WNEO-45, WOSU-34, Ms 0506 WCBS-2 N.Y. 1112(490)  
WJET-24 Tr Ft. Wayne, Youngstown, Dayton,  
0142 WKBW-7 N.Y. 1122(215) Steubenville, Columbus, Kitch-  
0150 WTRF-7 W.Va. 1022(205) ener, Cleveland.  
0152 WIIC-11 Pa. 1122(210) Tr 0518 WCBS-2 N.Y. 1012(490)  
0202 WRTV-6 In. 1022(230) Tr Cleveland, Columbus, Akron,  
0236 WCBS-2 N.Y. 1012(490) Grand Rapids, Kalamazoo, Cad-  
0920 WDHD-24 off the air- illac, Kitchener, Battle Creek,  
back on in early afternoon. S.Bend.  
1-14 Tr Cleveland V's, CKCO-13, WOTV-8 1-26 Ms  
WUHQ-41 Tr Cleveland, Columbus, Akron,  
Ms 0242 Unid-4; WSW Grand Rapids, Kalamazoo, Cad-  
1-15 Tr Cleveland V's, CKCO-13, WOTV-8, 1-27 Tr S.Bend.  
WUHQ-41, Ft. Wayne U's, WOSU- 1-27 Tr Cleveland, Battle Creek, S.Bend  
34, WNEO-45, WNDU-16. Kitchener, Kalamazoo, Akron,  
0242 WTMJ-4 WI. 1022(245) Columbus, Ft. Wayne.  
WITI-6 " " " 1-28 Tr 0159 WTRF-7 W.Va. 1022(205)  
1-17 Tr WUHQ-41, WEWS-5, WNDU-16, Tr Cleveland, Columbus, Akron,  
WKYC-3, WLWC-4. Kitchener, Erie, Grand Rapids,  
Dayton, Battle Creek.
- 1-18 Tr Cleveland, Columbus, Kitchener  
Battle Creek, Ft. Wayne, Dayton  
S. Bend. 1-29 Tr 0222 WTMJ-4 WI. 1022(245)  
0249 WIIC-11 Pa. 1022-(210) 1-30 Tr 0202 WRTV-6 In. " (230)  
0214 WTMJ-4 WI. " (245)  
0215 WITI-6 " " "
- 1-19 Tr Cleveland, Columbus, Ft. Wayne,  
S. Bend, Battle Creek, Kitchener.  
Ms 0538 WCBS-2 N.Y. 1012(490)  
0150 WRTV-6 In. 1021(230) Tr Cleveland, Akron, Erie, Ft. Wayne  
Kitchener, Columbus, Battle  
1-20 Tr Ft. Wayne, S.Bend, Cleveland, Creek, S.Bend, Paris  
Columbus, Akron, Battle Creek,  
Youngstown. 1-31 Tr 0221 Unid-18; NE; 3/4 c.b.

- Gaines; continued---
- 1-31 Tr 0314 WITI-6 Wi. 1022(245)  
0438 WTMJ-4 " " "
- Tr Battle Creek, Cleveland, Dayton, Columbus, Hamilton, Kitchener, S. Bend, Ft. Wayne.
- 2-1 Tr 0220 WTTV-4 Ind. 1022(230)  
0244 WTHR-13 In. " " "  
0251 WRTV-6 " " "  
0346 KDKA-2 Pa. " (210)
- Ms 0403 WCES-2 N.Y. 1012(490)  
Tr London, Kitchener, Ft. Wayne, Battle Creek, Columbus, Cleveland.
- 2-2 Tr Cleveland, S. Bend, Battle Creek, Columbus.
- 2-3 Tr 0836 C----18 On. 1522(London) (Ont. Educ. TV Assn.)  
Tr Cleveland, S. Bend, Battle Creek, Akron, Kitchener, Columbus, Ft. Wayne, Youngstown, Alliance, Grand Rapids, Paris, Cadillac, London.
- 2-4 Tr Cleveland, Kitchener, Dayton, Grand Rapids, Paris, Battle Creek, Youngstown, Alliance, Columbus, Ft. Wayne, S. Bend.
- 2-5 Tr 0201 WIIIC-11 Pa. 1022(210)  
0204 WTRF-7 W. Va. " (205)  
Tr Cleveland, Columbus, Dayton, Akron, Grand Rapids, Kitchener, Battle Creek.
- 2-6 Tr Cleveland, Columbus, Kitchener, Battle Creek, Akron, Dayton S. Bend.
- 2-7 Ms WCES-2 N.Y. 1112(490)@0419  
Tr 0919 C----18 On. 1512(105) (must be running flea power; haven't seen them yet--wd.)  
Tr S. Bend, Cleveland, Columbus, Battle Creek.
- Tr 0316 KDKA-2 Pa. 0212(210)  
Tr Cleveland, Columbus, Dayton, London, Battle Creek, Kalama-zoo.

Paul comments that ch. 18 in London and ch. 28 in Kitchener-Waterloo are on; they i.d. as "TV Ont." (both educational)--wd. (See info in Luoma's rpt. CWI)

Buck Battin; 134 East Egan, Shreveport, La. 71101 CST

"I'm now living in my new house here in Shreveport and my antennas are installed and operating--although there were some problems at first.

I began logging dx again on the 10th of January. Counting only stations over 100 miles, I've logged 28 stations so far.

I've seen no Es so far--all my loggings are Tr. The only opening much beyond 200 miles was on the 11th when I had a beautiful opening into Alabama. Right in the middle of that opening I discovered that the wire from the UHF tuner to the antenna set screws had become disconnected (at least I didn't find out after the opening!)

Until the 22nd, my rotor control unit for my low-band antenna was in the shop with the antenna frozen due South.

Anyway, now that its all up and operating my equipment is as follows:

UHF--Jerrold JUP-4 "Para-cyl" at about 27'. Hi-band--Jerrold 10 element yagi at about 35' (rotated with UHF on same mast). Lo-band--Jerrold 10 element yagi at about 25' (rotated separately). Lead-in---VHF--RG-59U coax. UHF--shielded 300 ohm. TV--Admiral 16" color, Model SS-880."

- 1-10 Tr 0055 KTVT-11 Ft. Worth(205)  
0110 KPLC-7 Lake Charles(160)  
0115 KATV-7 Little Rock(180)  
1030 KJAC-4 Port Arthur( " )  
1730 WAFB-9 Baton Rouge(210)  
1800 KPLC-7 Lake Charles(160)  
1800 WAFB-9 Baton Rouge(210)  
WLFY-10 Lafayette(185)  
1930 KJAC-4 Port Arthur(180)
- 1-11 Tr 2105 WTWV-9 Tupelo(310)  
2130 KJAC-4 Port Arthur(180)  
? 2140 Unid-2 Spanish; ant. froze in Southerly direction.
- Tr 2200 KATV-7 Little Rock(180)  
2215 WAPT-16 Jackson(210)  
2130 WMAO-23 Greenwood(225)  
WMAU-17 Bude(185)  
WMAV-18 Oxford(225)
- 1-11 Tr 2130 WMAA-29 Jackson(210)  
2300 WHTT-19 Huntsville(440)  
2345 WBMG-42 Birmingham(410)
- 1-12 Tr 0015 KTHV-11 Little Rock(180)  
0030 WAP I-13 Birmingham(410)  
0800 KERA-13 Dallas(180)  
1900 WAFB-9 Baton Rouge(210)  
1930 KJAC-4 Port Arthur(180)
- 1-15 Tr 0800 WAPT-16 Jackson(210)  
0824 WRBT-33 Baton Rouge(210)  
0829 KVRL-26 Houston(211) (now KDOG--wd)  
2205 WAFB-9 Baton Rouge(210)  
WRBT-33 " " "  
2215 KJAC-4 Port Arthur(180)  
2220 WLPB-27 Baton Rouge(210)
- 1-17 Tr 0045 KTVT-11 Ft. Worth(205)  
WFAA-8 Dallas(180)

Battin; continued---

1-17 Tr	0100	KBMT-12	Beaumont(165)	1-21 Tr	0735	WRBT-33	Baton Rouge(210)
	0105	WJTV-12	Jackson(210)			WLPB-27	" "
	0135	KATV-7	Little Rock(180)			WAPT-16	Jackson(210)
1-19 Tr	0015	KLFY-10	Lafayette(185)	1-23 Tr	0735	WRBT-33	Baton Rouge(210)
	0025	WAFB-9	Baton Rouge(210)		0740	WLPB-27	" "
	0030	KJAC-4	Port Arthur(180)		0750	KDOG-26	Houston Tent.
	2230	KPLC-7	Lake Charles(160)		0800	WMAU-17	Bude(185)
1-20 Tr	1930	KLFY-10	Lafayette(185)		0810	WAPT-16	Jackson(210)
		KPLC-7	Lake Charles(160)		2245	KPLC-7	Lake Charles(160)
	2000	WAFB-9	Baton Rouge(210)			WAFB-9	Baton Rouge(210)
		WAPT-16	Jackson(210)			KLFY-10	Lafayette(185)
		WMAA-29	" "		2300	KALB-5	Alexandria(113)
	2030	WRBT-33	Baton Rouge(210)		2330	WBRZ-2	Baton Rouge(210)
		WLPB-27	" "		2345	WRBT-33	" "
	2040	WMAU-17	Bude(185)	1-24 GW	1100	KETS-2	Little Rock(180)
	2115	WMAW-14	Meridian(295)			(nothing on 4, 7, or 11)	
	2205	KHOU-11	Houston Tent.	1-25 Tr	1130	KJAC-4	Port Arthur(180)
					1700	WAFB-9	Baton Rouge(210)
				1-28 Tr	0001	WLET-3	Jackson(210)
						WBRZ-2	Baton Rouge(210)
				1-30 Tr	2330	KPLC-7	Lake Charles(160)
					2345	WAFB-9	Baton Rouge(210)
						WRBT-33	" "
					2350	KLFY-10	Lafayette(185)

## Jim Gould; R.R.#3, Kokomo, In. (317)-452-9585 EST

1-1 Tr	2030	Huntsville U's(410)	1-11 Es	1703	Unid-2; Spanish baseball;
	2042	two unids on ch.42			+ offset.
		with WPEB; South.		1730	WPBT-2 Fl. 5010(1090)
	2100	WBMG-42 Al. 2523(490)	1-18 Es	2022	CKCK-2 Sask. (1120)
	2305	WHMA-40 Al. 4525(482)	1-22 Tr	1917	Unided-28 to N.E.; (prob-
1-2 Tr	0037	WCOV-20 Al. 1324(571)			ably Kitchener--wd)
	0158	WAPI-13 Al. 4534(490)	1-24 Tr	1859	WAAY-31 Al. 0324(410)
	0202	WALA-10 Al. 2523(700)T		2237	WVUU-24 W.Va. 4533(332)
	0210	WYEA-38 Ga. 2525(568)	1-25 Tr	0808	WBRE-28 Pa. 4521(540)
1-7 Es	0022	KRTV-3 Mt. 4513(1330)		0812	WVIA-44 " " "
	0025	CKBQ-2 Sask. 5511(1225)			
	0028	Unid-2; ad for Bozeman			
		, Mt. (probably KSMD-2,			
		Anaconda--wd)			
1-11 Es	1620	WESH-2 Fl. 5021(860)			

Log total: 538

## Clarke W. Ingram; 5201 Colewood Drive, Pittsburgh, Pa. 15236(412)-892-2497EST

1-1 Ms	0520	KMOX-4 St. Louis(560)	1-2 Ms	0605	WRC-4 Washington(190)
	0532	WCBS-2 New York(320)		0623	KMOX-4 St. Louis(560)
	0534	WSB-2 Atlanta(520)		0628	WFBC-4 Greenville(410)
	0542	Unid-2; Western movie	1-3 Ms	0542	KMOX-4 St. Louis(560)
	0622	WLWD-2 Dayton(230)		0546	WCBS-2 New York(320)
	0623	WMAR-2 Baltimore(185)		0604	WBZ-4 Boston(480)
GW	0624	KDKA-2 signs on thirty		0619	WJXT-4 Jacksonville(720)
		minutes late.		0629	WRC-4 Washington(190)
Ms		WJXT-4 Jacksonville(720)		0638	Unid-6 plain RETMA tp.
	0626	WTVU-4 Bloomington(330)			"My apologies for not having reported
1-2 Ms	0554	WJXT-4 Jacksonville(720)			in recent months, but there has lit-
	0603	Unid-4 "Sunrise Semester"			erally been nothing to report.

Tropo is nonexistent as usual during the winter, and I've managed to miss the few off-season Es openings which have occurred to date. I began the New Year with some early-morning Ms Dxing (having nothing better to do over the holidays, hi) with results being somewhat encouraging (three new in three days.) Since that time I have been virtually inactive dxwise, having assumed the WUD editorship, among other things. With the Es season almost upon us I hope to be reporting more often." (Good luck with the WUD Clarke; it's quite a job to undertake no matter how many there are helping out.--wd)

(I left out a few details of your report Clarke---I received more reports this month than expected and I was rather pressed for time.--wd)

Robert Zent; 1835 Fruit St., Huntington, In. 46750 EST

1-23 Tr 0632 WTRF-7 Wheeling(260) 1-24 Tr 2330 WCHS-8 Charleston(275)

1-24 Tr 2300 WQWK-13 Huntington(250)

"I recently installed a Blonder Tongue AB-30 preamp to my Winegard CW-1001 antenna. This has greatly improved VHF, but made UHF essentially useless. When the weather gets warmer I plan to install a 7ft. parabolic dish for UHF on a second tower. I have a couple of questions concerning this. First, what type of cable is best for UHF? Second, should I use a mast mounted preamplifier? If so will my old, trusty BF-American-75 be sufficient, (12db gain), or should I purchase another? I will appreciate hearing from anyone who cares to reply."

Rod Louma; 38540 Five Mile, Livonia, Mi. 48154 EST

"Not much going on here in the way of tropo or ms. One new station to report via tropo"

2-3 Tr 0915 WFLD-32 Chicago, Il.

1-21 Ms 0537 WCBS-2 New York, N.Y. 0920 WGVC-35 Grand Rapids, Mi.

1-22 Ms 0525-45 no i.d.'s, few bursts 2-4 Tr 0840 C----18 London, Ont.

1-23 Tr 0600 WENS-10 Columbus, Oh. 2-6 Tr 0535 " " "

2-3 Tr 0900 WNDU-16 S.Bend, In. (3/4 cb; "TWO" in low left)

2-10 Ms 0541 WCBS-2 New York, N.Y.

"Found out from Paul Gaines, Ontario 18 is in London in fact he cued me in to its existence. Attempts at Ms have been discouraging seeing only 3 or 4 bursts in half hour and the viewable is always WCBS! Darn!"(try another channel--wd). (Call of 18 London is CICO18, and 28 Kitchener is CICO28. CWI)

Michael Hogan; 4811 Euclid Ave., East Chicago, In. 46312

"Although conditions have not been the greatest to TV DX lately, I decided to still make a report to the column. I've just recently joined the WTFDA publishing team something that I'll really enjoy!(I hope so--wd)

No dx to report at all so I decided to re-introduce myself and my equipment to the members of WTFDA.

I currently use the following equipment: A JFD Monterrey TV-FM Indoor Antenna and a various number of experimental antenna set-ups. In the near future I hope to acquire an outdoor antenna with a rotor. The receiver is a Du Mont 9" portable.

I currently completing a degree in Psychology, April, '76 and with E-Skip well on its way at that time these current totals 31 stations and 6 states, I hope will take a sharp rise. Best catches are WEDU-3, KDUH-4 and WJXT-4, all on E-Skip. 73's for now."

Robert Baker; Box 337, Humboldt, Ia. 50548

(The following information was obtained from the IEEN(Iowa Educational Broadcasting Network) which concerns antenna height above average terrain; maximum visual effective radiated power and offset information of KRIN-32, KSIN-27, KHIN-36 and KBIN-32.--wd)

station	location	offset	antenna a.a.t.	G.R.D.
KRIN-32	Waterloo	-	1851.3 ft.	5000 kw
KSIN-27	Sioux City	-	1073.2 "	4040 "
KHIN-36	Red Oak	0	1561.7 "	2040 "
KBIN-32	Council Bluffs	0	317 "	571 "

William J. Draeb; Ellis St, R.R.#2, Kewaunee, Wi. 54216 CST

12-26 Tr KINL-30 St. Louis(432)@2348 1-1 Es 1128 KDCC-4 El Paso T

12-27 Tr 2000 " " " 1141 KATC-3 Lafayette(1030)

12-28 Tr 1240 " " " WBRZ-2 Baton Rouge(1002)

1558 WKYT-27 Lexington(473) 1215 KJAC-4 Port Arthur(1080)

12-29 Tr 1754 KINL-30 St.Louis(432) KBTX-3 Bryan(1059)

12-30 Tr 1638 WKYT-27 Lexington(473) KPRC-2 Houston(1111)

12-31 Tr 1949 WOSU-34 Columbus(395) 1-5 Tr 1755 WKYT-27 Lexington(473)

Cleveland U's(355) 1-12 Tr 1821 " " "

WKEF-22 Dayton(368) WOET-16 Dayton(368)

WKYT-27 Lexington(473) WKEF-22 " " "

KINL-30 St. Louis(432) 2200 KINL-30 St. Louis(432)

1-1 Es 1120 KDUH-4 Hay Springs T 1-13 Es 1750 WWAY-3 Wilmington(882)

1125 KAMR-4 Amarillo T WECT-6 " " " T

Draeb; continued---

1-13 Es 1750 WCBD-2 Charleston(916) 1-25 Tr WCML-6 Atlanta, Mi.(171)@0900  
 1-17 Tr 1447 KDNL-30 St. Louis(432) 1230 KDNL-30 St. Louis(432)  
 1720 WKYT-27 Lexington(473) 1-27 Tr 1735 " " "  
 2044 WKSO-29 Somerset(538) 2-6 Tr 1235 Cleveland U's(355)  
 1-18 Tr 1105 KCBJ-17 Columbia(450) WAKR-23 Akron(380)  
 Es 1838 CFAC-2 Calgary(1320) 2-7 Tr 0901 WIIL-38 Terre Haute(348)  
 CFRN-3 Edmonton T (WPNE off all day)  
 Unid-2 + offset 1530 KDNL-30 St. Louis(432)  
 1848 CFCN-4 Calgary(1320) 2-14 Tr 1941 WKYT-27 Lexington(473)  
 1900 CHAT-1-4 Pivot(1160)  
 (#50 on ch.4)  
 1905 KRTV-3 Great Falls T Log total now at: 635

# FM QSL CORNER

THOMAS J. YINGLING  
 221 Pinewood Rd.  
 Baltimore, Md. 21222

- DE** Bethany Beach WVTR 95.9- ltr & cm from J. Parker Conner Pres & gen manager
- KS** Kansas City KCKN 94.1-one line verification from Jim Jett, CE
- MA** Springfield WSHN 93.1-qsl card for an station, with fm noted from T.Gratkowski, CE
- MO** Jefferson City KLUM 88.9-ltr from Beverly Kelsey; Traffic Manager, with note that due to technical difficulties they were operating with reduced power of 8.5kw
- NJ** Point Pleasant WADB 95.9-ltr & cm from Thomas F. Hughes, dir of programming  
 Paterson WPAT 93.1-ltr & cm from Joseph E. Martin  
 Long Branch WRLB 107.1-ltr, cm & bumper stickers from Michael J. Bolduc op man. with note of the long distance record is now met. Also is member WFFM.  
 Lincroft WBJB 90.5-letter from Richard C. Hansen, jr. station manager  
 Glassboro WGLS 89.7-letter from Jim Servino, station manager
- NY** Garden City WHPC 90.3-letter from Steve Greco, dir of operations
- PA** Hazleton WVCD 97.9-letter & cm from Ron Jay Gillenardo, station manager  
 Easton WLEV 96.1-letter from R.B.Krats, CE  
 Greencastle WBSL 94.3-letter from Benjamin F. Thomas, Proprietor I
- VA** Roanoke WVWR 89.1-xeroxed my own letter, signed verified by W.R.Nichols, ce
- WV** Buckhannon WVWC 88.9-letter from Arnel Sayre, ce

No contributors this month so far since I took over the job, all above are some of my own. Send those 3 x 5 index cards to me so everybody will know just how they qsl. Receiver used is a Pioneer TX-9100, with a 10-element yagi up 45 feet now. 73's....

*Tom*

# TV QSL CORNER

PAUL D. TRASKA  
64 WEAVER AVENUE  
BUFFALO, NY 14206

- DC WETA ch 26 Washington-2600 4th st. 20001. L & M info on FM sta.-  
King Harrison CE. 16 days (TJY)
- IN WHMB ch 40 Indianapolis-P.O. box 50250, 46250. L-L.W. Vehorn CE,  
(ps. Vehorn said he to DX-ed, many years ago, & also new,  
Bob Seybold, Art Collins, & King Schaefer. 1 week (PDT)
- IA KTTV ch 4 Sioux City-10th & grandview 51105. QSL card, Al-  
Smith CE. 9 days (JJA)
- MD WMAR ch 2 Baltimore-6400 york rd. 21212. L, C.B. Lau. CE-  
7 days (SS)
- WMPB ch 67 Baltimore-for chs. 28-31, 22. Owings Mills 21117. L-  
David L. Graham DE. 16 days (PDT)
- MA WGBH ch 2 Boston-125 western ave. 02134. L, Thomas B. Keller-  
Jr. DE. 10 days (SS)
- MI WEYI ch 25 Saginaw-P.O. box 3265, 48605, L, Harold Volz Jr.-  
CE. 10 weeks (JJA)
- MO KSD ch 5 St. Louis-1111 olive st. 63101. QSL in envelope. NO-  
signature.... 14 days (DE)
- NE KMTV ch 3 Omaha-2615 farnam st. 68131. L, Joan Baillon, PD.  
9 days (JFC)
- NH WENH ch 11 Durham-box Z. 03824. for chs. 15, 40, 49-52. L, Cha-  
rles E. Tamm, DE. 14 days (DE)
- NY WSYR ch 3 Syracuse-1030 james st. 13203. card, Mrs. F. Rioux-  
EDS. 1 week (KRS)
- WKTV ch 2 Utica-P.O. box 2. 13503. L, Carl C. Egolf. CE. 4 --  
days (SS)
- WPTZ ch 5 Plattsburgh-357 cornelia st. L, Lincoln F. Dixon. CE  
12 days (DE)
- OH WLWC ch 4 Columbus-3165 olentangy river rd. 43202. card & prog.  
note. Robert Dye. CE. 5 weeks (KRS)
- WOUB ch 20 Athens-ohio univ. telecommunications center. 45701-  
L & M. Donald A. Smith. DE. 2 weeks (PDT)
- WKBN ch 27 Youngstown-3930 sunset blvd. 44501. AM card, TV not,  
indicated & unsigned.... 10 days (CWI)
- WCET ch 48 Cincinnati-2222 chicksaw st. 45219. L, Edward K. Mid-  
dleton DE. 1 week (PDT)
- PA WHP ch 21 Harrisburg-telegraph building. 17108. L, Maurice Gan-  
naway DE. 1 week (PDT)
- WKBS ch 48 Philadelphia-3201 S. 26 st. 19145. L, Glenn H. Romsos-  
EM. 1 week (PDT)
- TN WKPT ch 19 Kingsport-222 commerce st. 37660. L, George E. DeVa-  
ult Jr. VPC. (WA41VG) 1 week (PDT)
- TX KPRC ch 2 Houston-box 2222, 77001. fill in card. Peggy Joneson-  
NO title.... 2 weeks (SS)
- VA WNVV ch 53 Annandale-8325 little river turnpike, 22003. L & H,  
Larry T. Vogt MTC. Larry is now in (DC) address future L-  
to Howard Frost CE WNVV-TV. 1 1/2 weeks (PDT)
- WV WVVU ch 24 Morgantown-WV univ. radio TV & motion pictures, 26506,  
L, Keith L. Massie EOM. 1 week (PDT)
- WJUL ch 33 Huntington-third ave. 25701. L, George Parnicza. CE-  
1 week (PDT)
- WI WKBT ch 8 La Crosse-141 south sixth st. 54601. L & S. Al. Lee-  
man CE. 2 days (SS)
- CANADA  
ON CPCL ch 2 Kearns-P.C. box 200, Timmins Ont. P4W 7G3. L, R.A.-  
Fauteux DE. 13 days (SS)

CONTRIBUTORS before you report, NO QSLs from WUD issues of 75:::  
As you can see, all the above QSLs are followed with address's.

I hope not to, repeat QSLs that were seen less than a year,,  
but it did occur, do to my error; I don't know if this is possible,  
but I do know, that many stations never sat in this corner.....  
Thanks to Jim Alexander for his QSL; the others were forwarded.

73, Paul

# NORTHERN FM-DX

Fred Nordquist  
302 Sandra Lane  
N. Syracuse, NY 13212  
Tele: 315-458-2365  
Deadline: 10th of mo.

March 1976

Yes, another new FM North editor has taken the helm. I will endeavor to carry on the excellent work of our previous editors. Please report your DX activities, even though it may be a few lines -- and include any new FM DX equipment added/contemplated for your DX den.

In researching reports over the last 3 years, there were about 33 reporters from 12 states/provinces north of the Mason-Dixon Line and east of the Mississippi River, mostly from NY, PA, & Ohio. There were none from Wisc, R.I., Maine, Que, & N.S. in which there are definitely WTDFA members. So please twist those dials and contribute to our hobby by reporting your DX; it's contagious!

FM DX since the last FM North column has included several highlights: 11/4 - super tropo to Iowa (800+ mi.), 12/23 - Es to Texas, and 1/10 - very strong Au. Very little tropo was otherwise noted - - probably due to very cold Dec/Jan wx up north. The MS showers were not very impressive in Dec & Jan.

Now to the reports.

Harry J. Hayes: Star Route, Box 226c, Gouldsboro, Pa. 18424 (EST)

- 1/10 Au 1900-2100 Au hash noted on virtually every frequency.  
1930 WNNN 97.5 Louisville, KY w/WNIS (ex WHAS) I believe these were the new calls.  
1930 Unid 88.1 w/choir mx. (I had similar Unid too - fn)  
1949 Unid 106.1 w/Harry Chaffin's "Taxi". (That's Chapin, hi. Clarke Ingram)  
2024 WCLW 105.3 Mansfield, OH w/weak scratchy sig. w/HS BKB or other 1cl sport,  
& "WCLW Sports Scoreboard" Many IDs hrd,  
1/25 Tr 1630 WSOU 89.5 S. Orange, NJ w/promo for "Polka Party", fair sig.  
1655 WFMU 91.1 E. Orange, NJ good sig., amr says they simulcast WBCA FM at times.  
1/26 Gw - WNTI 91.9 Hackettstown, NJ, strong sig., Finally noted due to irregular sched.  
slogan is "AN Imaginary Station".

Equipment: Zenith Trans Oceanic w/RCA rabbit ears. Underlined new to log.

Fred Nordquist - 302 Sandra Lane - N. Syracuse, NY 13212 (EST)

- 11/4 Tr 2130 WPMK 99.1 MI E. Lansing ID  
2136 WJFM 93.7 MI Grand Rapids MoR o/WELK  
2144 CKDT 101.3 ON Tillsonburg MoR mx  
2149 WNUK 102.1 MI Kalamazoo Class mx  
2230 WQLR 106.5 MI " MoR mx  
2245 KUNI 90.9 IA Cedar Falls Iowa wx (820 mi)  
2253 WMZK 97.9 MI Detroit MoR mx  
2345 WHAD 90.7 WI Delafield Election Analysis  
Gw 2359 WSKG 89.3 NY Binghamton class. mx/election mx  
11/5 Gw 1745 WHRV 105.7 NY Endicott "Stereo 105" MoR mx (new pwr & freq)  
1/10 Au 1700 Strong Au noted w/several relogs, & many Unids (Any ideas on Au audio filters?)  
1/11 Gw 1750 WECB 91.7 NY Ithaca Noted w/increased pwr -- L&C.  
1/22 Gw 2044 WNTQ 93.1 NY Syracuse (was WDDS) MPX MoR mx & claims 100kw, "Stereo 93".

NY state stations now up to #137. Totals: 790. KUNI tropo haul is my longest by 200 mi., probably caused by the stalled high pressure system wedged below the Jet Stream running along the Canadian border. No luck with MS -12/14 or 1/4. Underlined new to log.

Equipment: RX:AJ-15, Ant:JFD LPL-FM10A, Rotor:Archer Servo-rotor, 32' AGL.

WTFDA wants YOUR support! Send in your reports regularly.

Michael Hogan - 4811 Euclid Avenue - East Chicago, IN 46312

Not too much DX to report here -- just the usual catches on groundwave (line of sight) and a few tropo catches. The equipment is an AM-FM Sears Silvertone Receiver and a JFD Monterrey TV-FM antenna. Current totals are: 42 stations heard, with 10 of them in the educational band. I hope these totals will rise with a purchase of an outdoor directional antenna & rotor which will be put into use very soon. 73's for now.

Peter Sawatzky - 244 Neilson Ave. - Waterloo, Ontario N2J 2M3

Heathkit AJ-15 Tuner; Delhi 1047 at c.30'; MS tape control unit  
 N.B.: All logging rx'ed on MS tape control asterisked and respective  
 times refer to period frequency monitored. New loggings underlined.

- 9/8 Tr 1836 WBEX 93.3 Chillicothe OH (315) ID  
 9/9 Tr 2225 WLKE 99.3 Waupun WI (410)  
 9/10 Tr 2140 CFMO 93.9 Ottawa Ont. (265)  
       2236 WVSC 97.7 Somerset PA (250)  
 9/15-16 MS 2300-0800 KIOA\*93.3 Des Moines IA (670) ID: "...KIOA-FM..."  
 9/16 Tr 2200 WEBF 95.7 Olean NY (145) ID, Nx (ex-WHDL, 1st time by  
       new calls)  
 9/17 Tr 0737 WSAQ 107.1 Port Huron MI (110) ID (ex-WHLS, 1st time  
       by new calls)  
 9/20 Tr 2206 WAKW 93.3 Cincinnati OH (365) ID, Dollar-a Month Club  
 MS 1000-2200 WHJT\*93.5 Clinton MS (925) "...WHJT..."; "...Miss-  
       issippi forecast..."  
 9/27-28 MS 2300-0800 KVIL\*103.7 Dallas TX (1130) Sung ID: "...KVIL..."  
 9/30 MS 0800-1800 KHBT\*97.7 Humboldt IA (690) Ad: "...the Ben  
       Franklin Store in downtown Humboldt..."  
 10/12 MS 0830-1830 KCHF\*93.5 Sioux Falls SD (810) ID: "...KCHF, KCHF..."  
 10/17 MS 0100-0600 WEZS\*103.7 Richmond VA (440) ID: "...easy to find  
       at 103, WEZS, easy..."  
 10/22 Tr 2153 WAKW 93.3 Cincinnati OH (365)  
 10/28-29 Tr 2300-0700 WBNS\*97.1 Columbus OH (275) ID (Tr that managed  
       to get through MS tape control)  
 11/2 Tr 0800 WHAD 90.7 Delafield WI (380)  
 Au 1830 KWMU 90.7 St. Louis MO (605) mention of U. of MO and  
       St. Louis MO  
 11/3 MS 0800-1800 KBFC\*93.5 Forrest City AR (800) ID: "...KBFC-FM  
       from Forrest City, Arkansas, 93.5 Mega-  
       hertz..." (Who could as for a more defi-  
       nite ID on MS? Previously rx'ed via Es.)  
 11/4 MS 0100-0730 KIKK\*103.7 Davenport IA (525) ID: "...K-Double-I-K,  
       Davenport, Iowa..."  
 Tr 1905 WLVU 99.9 Erie PA (100) ID (ex-WWFM, 1st time by new calls)  
 1913 WISN 97.3 Milwaukee WI (365) local ad  
 1948 WDAI 94.7 Chicago IL (375) ID, rock, local ads  
 2048 WZUU 95.7 Milwaukee WI (365) ID, rock, local ads  
 2110 WEZW 103.7 Wauwatosa WI (380) ID  
 2114 WIXX 101.1 Green Bay WI (375) ID, Wx, rock (ex-WBAY, 1st  
       time by new calls)  
 (This was night of 600-mile Tr on UHF far as Waterloo IA)  
 11/7-8 MS 2200-0700 WCPC\*93.3 Houston MS (805) "...today at The  
       Shoobox, Ackerman, Mississippi..."  
       (previously rx'ed via Es)  
 11/10 MS 1800-2300 WKYQ\*93.3 Paducah KY (615) ID: "...WKYQ..."  
 11/20-21 MS 2100-0730 WLAP\*94.5 Lexington KY (430) ID: "...-FM,  
       Lexington, rock in stereo at ninety..."  
 11/22-23 MS 2300-0800 WSOC\*103.7 Charlotte NC (570) ID: "...WSOC-FM  
       radio..."  
       2300-0800 WDBR\*103.7 Springfield IL (535) ID: "...WDBR..."  
 11/25 MS 2213 WPXI 95.1 Charleston SC (735) "...WPXI weather..."  
 11/26 MS 1911 WQHI 95.7 Jeffersonville IN (450) Sung ID: "...WQHI..."  
 11/26 GW 2000 CKTB 97.7 St. Catherines Ont. (70) 1st time noted  
       with increased power, previously 250W  
 12/2 MS 0735 WEZZ 97.7 Clanton AL (805) "...-anton, Alabama..."  
       (with CKTB back on low power)  
 12/2-3 MS 2300-0730 WQDR\*94.7 Raleigh NC (540) "...WQDR gives free  
       air time to schools, clubs or other  
       charitable organizations..." (1st time  
       via MS, previously rx'ed via Es by ald  
       calls - WPTF)  
 12/5 Tr 1931 WBLV 102.9 Springfield OH (300) ID  
 12/7 MS 0853 KBFC 93.5 Forrest City AR (800) "...tuned...KBFC-FM..."

(Continued on next page)



- 12/10 MS 0730-1830 WJJM\*94.3 Lewisburg TN (650) ID: "...-JM-AM and FM..." (1st time by MS, previously via Es)  
2329 WGAN 102.9 Portland ME (510) ID: "...WGAN-FM..."
- 12/13 MS 0000 WHHY 101.9 Montgomery AL (830) "...you make it happen...  
...Alabama's..." (1st time rx'ed by MS,  
previously via Es)  
0014 WASH 97.1 Washington DC (360) ID: "...WASH has..."  
2058 WRBL 102.9 Columbus GA (800) "...-RBL..."  
2132 WROE 94.3 Neenah WI (400) ID: "...row, WROE stereo..."  
2230 WRBL 102.9 Columbus GA (800) "...we've got more from  
WRBL..."  
2255 WYSP 94.1 Philadelphia PA (360) Female: "...-YSP..."  
(with semi-local CBL nulled)
- 12/18 MS 0030-0730 WEZS\*103.7 Richmond VA (440) ID: "...WEZS, easy  
radio..."
- 12/19-20 MS 2200-0800 WQDR\*94.7 Raleigh NC (540) "...WQDR, Raleigh..."
- 12/20 MS 0800-1200 WKXI\*94.7 Jackson MS (925) Sung ID: "...WKXI...",  
soul (1st time by MS, previously rx'ed  
via Es)
- 12/22 MS 0800-1430 KSJR\*90.1 Collegeville MN (690) ID: "...KSJR,  
90.1 on your FM dial..."
- 12/23 Es 0830-1300 KERA\*90.1 Dallas TX (1130) ID (Es that got through  
MS tape control unit)  
1313 KGAF 94.5 Gainesville TX (1105)  
1320 KFMN 99.3 Abilene TX (1275)  
1322 KWXI 97.1 Ft. Worth TX (1165) ID: Kwixie FM, rock  
1326 KBID 92.9 Wichita Falls TX (1170) ID as "Holiday radio,  
stereo 92", spots, Wx.)
- 12/31 Tr 0800 WIQB 102.9 Ann Arbor MI (190) ID (ex-WNRZ, 1st time by  
new calls)
- 1/10 Au 1745 WMBI 90.1 Chicago IL (375) ID, religious programming  
1800 KWMU 90.7 St. Louis MO (605) ID  
1830 WVWR 89.1 (from 90.1 - check Jen. 75 VUD, FCC FM)  
Rosnoke VA (430) Jazz, Wx, ID  
Strongest Au ever witnessed here. 1st time ever Au noted  
on CB band with skip audio quite garbled as opposed to  
usual skip noted on CB. Au was even destroying local CKGN 6.
- 1/11 Tr 1302 WDMT 107.9 Cleveland OH (145) ID (ex-WELW, 1st time  
by new calls)
- 1/12 Tr 0030-0730 WKRQ\*101.9 Cincinnati OH (365) ID, rock (Tr that  
managed to get through MS tape control)
- 1/15 Tr 2100 WBCL 90.3 Ft. Wayne IN (290) ID, religious programming  
(now my furthest regular troposcatter)
- 1/19 MS 1925 WMC 99.7 Memphis TN (265) "...46° right now in  
Memphis, partly cloudy skies..."  
Tr 1930 WFCJ 93.7 Miamisburg OH (330) ID  
2030 WAUS 90.9 Barrien Springs MI (310)
- 1/20-21 MS 2200-0730 WHTB 92.7 Talladega AL (755) ID: "...WHTB, Tall-..."
- 1/25 Tr 0902 WHIO 99.1 Dayton OH (315)
- 1/27 MS 0730-1800 KKEZ\*94.5 Ft. Dodge IA (690) "...KKEZ, stereo  
ninety-...farm egg products, Humboldt,  
home of nature-made eggs..."
- 1/28 MS 0730-1800 KEBC\*94.7 Oklahoma City OK (1045) "...KEBC..."  
(1st time via MS, previously rx'ed by Es)
- 1/29 MS 0130 WCCO\*102.9 Minneapolis MN (625) "...twelve-thirty WCCO  
time..."

P.S.: Quadrantids bombed this year; in '75 they were fantastic.  
(Nice going on all your MS catches! - fn)

That's all the reports for this month. 73 and good DXing to all --- Fred

SPECIAL PUBLISHER'S NOTE: Phone conversation with WFPD's super-dxer,  
Andy Hollin, confirms he has logged his 1,500th FM station! --- Pete

# SOUTHERN FM

Charles Winters  
7 Parsons Drive  
Beverly, Mass.  
01915

All these reports are going to give my typewriter cramps. In only one month, we have doubled our report size - from one to two. Brent Manuel & Hank Holbrook were the lucky listeners this month. Enough drivle - on with it:

Brent Manuel P.O. BOX 71, Chataignier, La. 70524

Hi: I thought I would drop you & the VUD readers some info on FM activities around here. I noticed in the Jan. VUD that someone had mentioned that FM station KSNS 96.1 Lake Charles, was still not on the air. Well, on Jan. 18 it came on the air! The format is definitely automated, but can't say which format, although I do know that it is the same as KKYK 103.7, Little Rock. KKYK'S signal gets out surprisingly well. It is received about 60% of the time, about 40% in stereo at a little over 250 miles!

Station KGRA 103.7 Lake Charles, caught me by surprise when it commenced transmitting on Jan. 22. Has live DJ & Rock. Id's itself as "Nova 104." I listened to the station for 2 hours waiting for a proper ID. "Nova 104 indeed!" Local KVPI Am/FM 93.5 Ville Platte still not stereo. Station is 10 yrs behind times. Can hear distortion on FM. Is either station (probably) or overload on receiver. (Come again?-cw) Have heard gossip about local AM KEUN-Eunice going to FM. Was in paper, heard people talk also. Receiving KRVS 88.3 Lafayette (40 watts ERP) at 30 miles. Went stereo last year. Can receive stereo - but very noisy.

KCWR 104.9 Oakdale is the worst run station around. (Such a shame since they play such soft and beautiful music.) Distortion is very noticable and station goes off air for a short while very often. Very little, or no commercials. Constant hum and music in background. SCA? (If they are as bad as you say they are - they're probably listening to someone else.-cw)

WXEL 105.3 Sliddel, gets my award for the dirtiest station heard. LUSTY sounding DJ's, dirtiest sounding songs and frequent id's as the "Sex Machine" It sickens me to hear such sludgel I have a good mind to write them a letter to let them know how I feel. (Better make it 4 letter words and they may get the hint.-cw)

I bought an Archer Twin Drive FM Antenna not too long ago. Model 15-1636. A little bit disappointed. Gain not as great as expected. More directive than \$6 antenna up before. Very pleased with Radio Shack antenna wire I bought. 20 year guarantee. Very low loss. Filled with foam. My Receiver is Panasonic model PS-257DS. Having selectivity problems with it. Can barely catch New Orleans between two Baton Rouge stations.

That's about it. Happy DX to all!

Hank Holbrook 7211 Chestnut Street Chevy Chase Maryland 20015

FM DXing from out at our cottage at Fair Haven Cliffs, Maryland overlooking the Herring & Chesapeake Bays 15 miles below Annapolis. We have officialy commenced 1976 DX season. Not much to date but hope for a GREAT YEAR. Don't get down to cottage often this time of year. We have the water cut off but do have heat when conditions become poor for LW or 2 mc DX, which I usually tune during the winter months. I then go to VHF aircraft of FM. Following were logged and reported on my last trip to the bay.

all trope  
103.9 WSYQ Braddock Hts. Md. 70 mi. 1/31 1:13-1:39PM Top 40 & Ads  
90.7 WMRA Harrisonburg, Va. 130 mi. 1/31 7:58-10:10 PM Basketball  
106.3 WFSP Cambridge, Md. 30 mi. 2/1 9:31-10:15 AM Sunday Showcase.

WSYQ formerly WMHI, WFSP formerly WCFM/ Hank says that WSQY is good. Also says the basketball announcers were excellent. Judging from the length of time you stayed with the game Hank, you must be a fan - I'm still grovelling for good women basketball players - anything doing in Maryland? V. Hank also says that there are no veries since Dec. report. so totals stand at 746 - 34 states - Ont., que., Man.- Cuba, Bermuda and Puerto Pico. (Does anyone have an address for WQIV -Hank says Help! Help! His followup returned marked address unknown - and he believes that they may once again be WNCN.) 73, Hank.

# WESTERN FM-DX

Steven C. Wiseblood  
707 Lama Way  
Santa Maria CA 93454  
Deadlines: 4/15, 5/12

Dale Connolly, 7065 Cantaloupe Ave., Van Nuys CA 91405 (Jan 1-4) (PST)

Equipment includes: Revox A76 tuner; Winegard SC650 @ 15ft (3000ft above SEA LEVEL)

1-3 MS 1213 KCRC 96.9 OK Enid ID (Audio/Fading/Interference: h14  
1-4 MS 0515 KMBS 96.1 TX Harlingen ID API: 414

Not much to report this month, I did make it to the DX site I use in the desert for the Quadrantids meteor shower. It was undoubtedly the most active one I have experienced, with bursts occurring every 3 or 4 seconds. However, there weren't many long bursts, so IDing was difficult.

Doug Everitt, 1798 West Mains Ave., Enid OK 73701 (Dec. 12- Jan. 31) (CST)

Equipment includes: Realistic STA-76 receiver; GE table radio, 10-el yagi @ 40' on a CDE AR-33 rotor.

					<u>API</u>
12-12 Tr	0645	KSIW	93.5	<u>OK</u>	Woodward MoR 555R70
18	1906	KTYN	93.3	<u>OK</u>	Ada RR 555R140
20	0942	KMAG	99.1	<u>AR</u>	Ft. Smith, Xmas, MoR 745R220
21	1058	KAKC	92.9	<u>OK</u>	Tulsa Sermon, w/mx 555R120
	1823	KRAV	96.5	<u>OK</u>	Tulsa MoR 555R120
	1829	KBJH	98.5	<u>OK</u>	Tulsa wx report 555R120
	1845	KGLC	100.9	<u>OK</u>	Miami MoR 355M180
25	1031	KKAJ	95.7	<u>OK</u>	Ardmore Xmas mx, wx 555R160
1-20	1057	KHEW	99.5	<u>OK</u>	Henryetta MoR/RR 555R150
	2152	KTQM	99.9	<u>NM</u>	Clovis RR 744M740
25	1911	KTLC	100.3	<u>TX</u>	Dallas MoR 415R260
	1917	KNED	101.3	<u>OK</u>	McAlester MoR 355R170
29	2047	KWOR	106.9	<u>OK</u>	Clinton wx, farm mx 455M90
	2138	KLOR	99.3	<u>OK</u>	Ponca City C&W/RR 555R60
30	0832	KRHD	102.3	<u>OK</u>	Duncan local mx 455R140
	1133	KGOU	106.3	<u>OK</u>	Norman Prog.RR 555R100
	1213	KSKU	102.1	<u>KS</u>	Hutchinson RR 555R110
31	1136	KRLG	98.1	<u>OK</u>	Lawton RR 555R140

Since I'm a new member, this is my first report to Western FM-DX. I've been FM-DXing for about a year and a half now. Hopefully before my next report I'll also own a Kamwood KT-8007 tuner. I'm also considering putting a vertical yagi up for FM.

73, and the BEST of DX!

Pat Dyer, 5315 Silvertip Drive, San Antonio TX 78228 (Jan 7-Feb 7) (CST)

1-11 Es	1200	TGRT	88.8	<u>GUAT</u>	Guatemala City	1120
		TG--?	94.9	<u>GUAT</u>	Guatemala City	1120
		TG--?	98.6	<u>GUAT</u>	Guatemala City	1120
	1805	XHM?	88.9	<u>DF</u>	Mexico City, EL	690
	1819	XHCM	88.5	<u>Mor</u>	Cuernavaca, ID	735
		XEBS	89.7	<u>DF</u>	Mexico City, ID	690
	spotty by 1830, with some spasms of it by 1940.					
23 tr	1935	KRTU	91.7	<u>TX</u>	San Antonio, ID	6.5
2-4 tr	0259	WKTZ	96.1	<u>FL</u>	Jacksonville, ID, EL	1015
	0345	WJMI	99.7	<u>MS</u>	Jackson, Soul, ID	525
	0357	KOAX	105.3	<u>TX</u>	Dallas, EL, ID	250

The Es came to a swift end by mid-January. The New local KRTU is now on with stereo, with 150watts-ERP, from 6am to 2am with a wide variety of mx formats. Feb. 4 trop to FL was a somewhat startling as the duct was very selective with not many really distant signals in.

From going over my old tapes from the summer, some new ID's have been gleaned -

Jun 22	Es	1123	<u>WFYC-</u>	104.9	<u>MI</u>	Alma (psa promo)	1240
30	Es	0729	<u>WNKS</u>	106.7	<u>PA</u>	Beaver Falls (area ad)	1285
Jul 2	Es	1419	<u>WMUS-</u>	107.1	<u>MI</u>	Muskegon (area ads)	1190

73, Pat W4SIYX



# VHF UTILITY DX

Pat Dyer  
5315 Silvertip Drive  
San Antonio, TX 78228  
Deadline: 10th of month

MARCH 1976

Hank Holbrook, 7211 Chestnut St., Chevy Chase, MD 20015 QSLed, GMT

11-1: 2203, N33WH 119.7 nr Lee Arpt, Annap. (William Heck Constr. Co.;  
Piper Navajo, 2-engine, 8-seat)  
10: 1736, N3950T 119.7 vic Bal. (Dalton Avi.; Piper PA-28R, 1-e, 4-s)  
16: 1652, N7630J 119.7 ov Wye Mills, MD (Air Assoc.; PA-28R, 3 watts)  
28: 2218, N54374 119.7 15 mi se Bal. (Showalter Flying Service, Inc.;  
Piper PA-32 Cherokee, 1-engine, 6-seat)  
2222, N17048 119.7 2 mi n Annap. (Reid Airways, Inc.; Cessna 150L)

Ken Simon, 528 Pilgrim Road, West Palm Beach, FL 33405 EST, \* QSLed  
Lafayette HA-520, Indoor whip

1-11: 1752, - 35.58 Scranton, PA (pager)  
12: 1716, - 161 / WMAO (traffic report)  
17: 0744, KTR 746 45.56 Palm Beach County (perhaps 45.60)  
- at Andytown (Jct SR84/US27) yusing Ray Jeff 6140  
1246, KHB 34 162.55 Miami (NOAA weather)  
KEO 363 155.280 Miami (Dade County Med. Association) \*

WR4AIS, an amateur 2-meter repeater, has been noted several times with the receiver image response around 168 MHz.

Now, my loggings. Allied A-2586, Hallicrafters SX-62, Hammarlund SP-600-JX10 (with ICM BAX-1 tuned preamp); 30' long wires at 12' ne-sw and nw-se runs; F2 mode unless noted (bs-backscatter) with daily peak noted GMT used

<u>1-11:</u> 1635, 31/ US	<u>2-2:</u> 1857, KQC 877 (Es)	<u>6:</u> 2045, 32.96
1850, KPL 936 (Es)	1941, KGA 805 (Es)	<u>7:</u> 2100, 32.96
1907, KOE 257 (Es)	2040, 35.22	<u>8:</u> 2015, 35.22
<u>18:</u> 1842, KQC 884 (Es)	<u>3:</u> 2035, 32.96	<u>9:</u> 1949, KSC 645 (Es)
<u>21:</u> 1917, 32.000	<u>4:</u> 1935, 35.28	2102, KIP 651 (Es)
<u>22:</u> 1845, 32.000	35.62 bs	2129, KIM 905 (Es)
<u>31:</u> 1518, 32.000	<u>5:</u> 1925, 32.96	<u>10:</u> 1955, 32.96

KFL 936 35.58 (west)	KOE 257 35.22 Phoenix, AZ
KGA 805 35.22 Pittsburgh, PA	KQC 884 35.58 Detroit, MI
KIP 651 35.58 Ft Lauderdale, FL	KQC 877 35.58 Cincinnati, OH
KIM 905 35.22 Charlotte, NC *	KSC 645 35.58 Chicago, IL

all are tone pagers with tone ID's except \* which has voice ID

Solar flux/A-Index for January 1976

1: 75/3; 2: 74/13; 3: 74/9; 4: 74/8; 5: 74/8; 6: 74/7; 7: 74/6; 8: 73/4;  
9: 72/3; 10: 73/3; 11: 75/20; 12: 80/14; 13: 83/10; 14: 86/8; 15: 83/5;  
16: 81/6; 17: 79/9; 18: 79/8; 19: 78/7; 20: 77/9; 21: 74/21; 22: 73/17;  
23: 72/5; 24: 71/5; 25: 70/10; 26: 70/4; 27: 69/4; 28: 29/4; 29: 70/7;  
30: 71/7 31: 71/21

avg: 74.8

As can be seen from this, the solar flux is maintaining a generally very low level. There is still some dispute as to when the solar low will occur (or did occur). The next 6 months should be critical in determining if the upswing of Cycle 21 is upon us yet.

73, Pat WA5IYX

# PHOTO-NEWS

Jim Alexander  
Canisius College  
Box 2 - Bosch Hall  
Buffalo, NY 14208

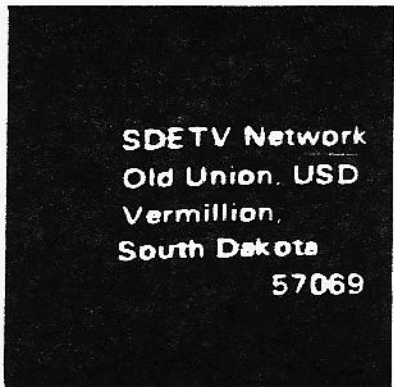
March 1976



KPLR-11 St. Louis, MO  
450 mile tropo (PG)



WHAS-11 Louisville, KY  
310 mile tropo (PG)



KUSD-2 Vermillion, SD  
970 mile Es (RL)



WCTV-6 Tallahassee, FL Es  
22 June 1975 0859 CST (GH)

CONTRIBUTORS: PG = Paul Gaines, Detroit MI; GH = Glenn Hauser, Enid OK; RL = Ron LeBlanc, Marrero LA.

73 and good DX,

*Jim*

# INTERNATIONAL NOTES from

KENNETH E. SIMON  
528 Pilgrim Road  
West Palm Beach, Fla. 33405

## INTERNATIONAL NOTES

JOHANNESBURG, South Africa(AP)--South Africa joined the television age JAN. 5, 1976, with its first full nationwide broadcasts after more than a decade of controversy over the possible corrupting influence of the electronic medium.

An estimated one million viewers watched the state-supported South Africa Broadcasting Corp.'s "switch-on" more than a quarter of a century after television arrived in most of the west.

Prime Minister John Vorster, unsmiling in a throne-like chair, inaugurated the service with a prerecorded message in which he admitted that "as a person I am not over-enthusiastic about television."

---\*---  
VARIETY reports that Italy's RAI is expected to start PAL color transmissions in July.

---\*---  
Notes on foreign TV Guide type publications:

FERNSEHWOCHE (W. Germany)= carries all German programming as well as East Germany, The Netherlands and Denmark.

BUNTE (W. Germany)= carries all German programming plus Austria and German-language broadcasts from Switzerland.

RADIO TIMES (United Kingdom)= carries all BBC programs in detail.

PRAVDA (Moscow USSR)= carries two TV channels and Leningradski PRAVDA carries three channels.

TELE PROGRAMAS (Costa Rica)= carries all Costa Rican programs for 15-day periods.

TELE 3 (Dominican Republic)= carries Dominican programming but the copie I have is undated.

TELE 7 JOURS (France)= list ORTF programming. It says in the magazine there are 3 additional regional editions (a) SUD- TV Monte Carlo and Italy, (b) EST- TV Luxembourg and Germany and (c) BENELUX- est in EST plus TV Belge.

Other than Canadian magazines and TeleGuia, does anyone know of other TV Guide type magazines?

\*\*\*\*\*ROME, Italy\*-July 1, in time for the Olympic Games, is set as the target date for RAI's first color transmissions. The West German PAL color system will be used and at first 15 hours a week will be telecast with TV signals from neighboring countries now receivable in most of Italy, color sets in use in 1974 numbered 300,000. It is expected that color set will be priced in the \$500-\$700 range.

\*\*\*\*\*PARIS, France--TF1 commenced color transmissions on Dec. 20. The rest of the net is expected to be converted by 1982. France's other nets, A2 and FR3, are already full color. France uses the SECAM system.

\*\*\*\*\*NEW DELHI, India--The Minister for Information and Broadcasting, Vidya Charam Shukla, said that India would have color TV by June. The hurry seems to be occasioned by the fact that Pakistan has decided to change to color shortly.

\*\*\*\*\*DERBY, GREAT BRITAIN--TVDXer KEITH HAMER writes that the big storm in January took some tile off his roof but didn't damage his antennas. "Over in the Netherlands, a large DX installation was completely ruined and several masts and aerials in the UK were damaged. A couple of weeks after the main storm another very strong wind blew up and caused a lot more havoc throughout the country." (Wire services reported winds in excess of 100 m.p.h.--KRS).

Keith sends along maps and listing of the BBC and BEC2 stations he believes most likely to be seen in the U.S....Can anyone come up with modifications for an American TV to the British system?

All comment, clips from magazines, trade magazines etc appreciated.

73s *Ker*

Main BBC-1 VHF Television Transmitters most likely to be received in the USA during Sun Spot Maximum.

CH	VISION CARRIER (MHz)	SOUND CARRIER (MHz)
B1	45.00	41.50
B2	51.75	48.25
B3	56.75	53.25
B4	61.75	58.25
B5	66.75	63.25

System "A" - 405 Lines  
Positive Vision Modulation  
AM Sound Modulation  
Vision Bandwidth - 3 MHz

● KIRK  
O. SHOTTS  
Ch. B3-100kW

N.  
IRELAND  
(BBC)

DIVIS  
Ch. B1-35kW

HOLME  
MOSS  
Ch. B2-100kW

TACOLNESTON  
Ch. B3-40kW

SUTTON COLDFIELD  
Ch. B4-100kW

WENVOE  
Ch. B5-100kW

CRYSTAL  
PALACE Ch. B1  
200kW

ROWRIDGE  
Ch. B3-100kW

Copyright HS PUBLICATIONS,  
Derby, U.K., January 1976.

Main BBC-1 and BBC-2 UHF Television Transmitters most likely to be received in the U.S.A. during favorable conditions.

CH	VISION CARRIER (MHz)	SOUND CARRIER (MHz)
26	511.25	517.25
27	519.25	525.25
31	551.25	557.25
33	567.25	573.25
40	623.25	629.25
44	655.25	661.25
46	671.25	677.25
51	711.25	717.25

System "I" - 625 Lines  
Negative Vision Modulation  
FM Sound Modulation  
Vision Bandwidth:  
5.5 MHz

EMEY  
MOOR

\*44  
51 (BBC-2)

\*46  
40  
BUTON  
COLDFIELD

\*31  
27  
SANDY  
HEATH

CRYSTAL  
PALACE \*26  
33 (560kW)

BBC-1  
and BBC-2  
Transmit  
in Colour  
(PAL).

All transmitters shown here  
have an ERP of 1000 kW un-  
less otherwise stated.

Happy 1976, everyone! I hope that conditions are good to you this year. My own personal interest in DXing has not diminished, but in the past year or so, my capacity to DX has all but vanished. My career aspirations have necessitated semi-annual moves to and from Toronto, where DX antennas still remain at my parents' home.

Some of you have written to me, and I have been remiss in my reply. There are a couple of reasons. The Canadian postal system has been hit by many strikes in the past year...we were without mail for 6 weeks this fall; a letter from Bruce Elving mailed in Oct. 1975 arrived here January 1976. Canada has been undergoing some traumatic inflation-fighting legislation in the past few weeks. This will have two short-term effects: 1) The strike as a weapon of labour will be virtually ineffective. 2) Government cutbacks will severely cut growth of FM and TV stations in the public sector.

How will this have a bearing on DXing, you ask? The answer in a moment. On a personal note, I hope to supply more accurate information on Canadian stations come this summer. In May, I will get my Law Degree, and during the summer I plan to move to Ottawa, where I will join the legal department of the CRTC...thus, our column will truly be CRTC-news-first-hand! At present, government budget trimming has led to fewer CRTC public announcements re new stations. The information which they now send out usually lacks ERP or AHAAT. I should have direct access to this info. I'll announce my new address in a VUD later this summer.

Getting back to our political science theories: Strikes have been prevalent in the industries supplying broadcasters. A strike in the guy-cable industry has meant that TVOntario's stations in Chatham and Windsor have been delayed. CBC French TV shall co-site on those towers when erected. Late word has it that the towers should be built shortly...the structural steel has been available, but only in the last few days did the cable become available to them.

On Saturday Jan. 17th at 6:30 PM EST, TVOntario began programming on Ch. 18 London and Ch. 28 Paris. ERP's are 20 kw and 200 kw respectively. They are translators of Ch. 19 Toronto (which was CICA, now CICO). They can originate their own color bars and IDs. Here's what happens:

A time clock will first turn Ch. 18 London on with color bars. That transmitter has TVO supered over the red bar on the right side. It should run for 30 minutes daily. A clock will turn on Ch. 28 Paris shortly after Ch. 18 London. The Ch. 28 color bars have TVO supered over the lower black bar on the right bottom of the pattern. As soon as Ch. 28 comes on, Ch. 18 London's UHF antenna and demodulator pick up 28 off-air and re-transmit the Ch. 28 signal. Is this clear? Finally, Ch. 19 Toronto will take to the air, and Ch. 28 Paris will automatically switch to the Ch. 19 color bars; which, as I recall, don't have TVO on them. Therefore, if you DX any of these stations, you can tell if they are local or translating by the color bars' TVO. All programming is supplied from the Toronto Ch. 19. No microwave is used, except to Ch. 24 Ottawa, which in theory could have separate programming from Ch. 19, 18, and 28. TVOntario seldom IDs and no longer mentions call letters, just the channels and the cities.

The TVOntario transmitters at Chatham and Windsor will be the final links in the network for many years. The inflation-fighting measures alluded to earlier in this article led to the suspension of the construction permits by the Ontario government for TVOntario outlets at Thunder Bay and Sudbury. Applications for many more stations which had been filed were withdrawn before public hearing. The severe budget cuts may last up to 3 years, so I would guess that there won't be TVOntario expansion for at least that length of time. TVO was also under fire recently by the commercial networks because TVO's programming is no longer "educational" in the strict sense. It is perhaps more attractive than PBS, and TVO ratings are a threat to private stations during the Saturday night 4-hour film extravaganzas.

DX-wise, Ch. 28 should get out well. Despite its 200 kw, it pounds into London...it is co-sited with CKGN Ch. 6 (Global)--that station has been seen often last season by DXers. Ch. 18 London, despite its "flea-power" 20 kw, is on a 1000' tower, and the tower is on a super hill just west of London. The site is subject to ducting...I've DXed there a few times.



The CBC French network expansion on UHF should start transmitting by about March 1st. They are co-sited with Chs. 28 and 18, their buildings are now up, and equipment is being installed. They are co-sited with TVO at Chatham and Windsor, so they don't have a tower up as of this writing. CBC French network expansion in Eastern Ontario should have been affected by budget cutbacks, as they were to co-site with cancelled TVO stations, but those CBC projects might still be going ahead. In fact, CBC French TV applications were filed for Victoria, B.C., where no one speaks French! These UHF applications are stirring up the press because of the Government austerity program.

#### C.N. TOWER NEWS

Equipment is now being installed at the tower, but antenna problems have arisen with the dual channel 19/25 installation. Engineers guesstimate late February test transmissions for UHF. An agreement between Chs. 5, 9, 19, 25 and 79 stipulate that they all begin programming from C.N. simultaneously, so technical delays for one station will mean delays for all. The UHF stations will use their old transmitters in parallel with their new transmitters, so initially Chs. 19 and 25 will not operate with full ERP.

FM starts will be delayed until April or May. The FM antenna will accommodate all Toronto assigned frequencies, so much late-night testing is expected before programming starts.

#### ODDS 'N' SODDS

CBC-FM Network Stereo stations now transmit "3-D" sound Sunday nights at 10:03 local time. "Best Seat in the House" uses the new Kunstkopf technique. The Kunstkopf is an artificial head sculpted of black rubber in the likeness of a human head. It has ears and auditory canals which lead into chambers where 2 mini-condensor mikes are mounted in the position where the eardrums would be in the human head. As with the human head, the system has the same ability to pick up the surrounding sound, above and below. Best listener results occur with "open-air" headphones, e.g. Senheiser HD 414's. Monitoring with speakers will not give the 3-D perspective. Thus, expensive quad equipment is unnecessary; a cheap stereo set with Kunstkopf will suffice. The CBC series includes concerts and plays. The technique is superb.

SCA to be Available to the Public? That is the question we ask following the first round of CRTC hearings for new FM licenses. The "freeze" which has lasted more than 10 years has ended. Many hopefuls lined up in Toronto last week seeking some of the available channels. The applications fell into the various format categories; i.e. Progressive Rock, Community Access, MOR, and All News. Most interesting was a proposal for a nationwide FM stereo network running "Newsweek" news and public affairs 24 hours a day. They would broadcast on 67 KHz SCA with commercial "television" data. The news info would be coded and sent out on SCA. All CATV companies have character generators; they could decode the SCA signal and run it through the character generator. The decoded information would include "print" commercials. The radio network would sell "print" commercials for the SCA broadcasts. CATV operators would not have to pay to use the SCA material, and the public could also use the SCA channel info. This system in time could revolutionize the "newspaper." All you'd need is a tape recorder which has a frequency range of 5 KHz, hooked to a SCA demodulator. You could record the info for playback through a character generator at a later time. My bet is that a character generator with a VHF TV output would retail for under \$100... the Magnavox and Atari TV games are probably more complex than a character encoder. We'll keep you posted on the FM hearings, and more particularly the Canadian News Radio application.

#### LASTLY...

The headline read, "FCC Finding: Legal to Jam Signals, U.S. Stations Told." The Buffalo, N.Y. stations WGR, WBEN and WKBW have applied to the FCC to jam their signals in the direction of Canada. This follows a CRTC order to delete commercials from the U.S. channels whenever they are sent out over CATV. The Buffalo outlets want to jam in retaliation for the \$9.5 million they might lose annually in Canadian ad revenue due to CATV deletion

of commercials. The Buffalo stations have applied for a 500' tower on the coast of Lake Ontario. It would transmit a blank carrier in the direction of Toronto and Canada on Chs. 2, 4, and 7. The cost would be \$281,250 with annual operating costs of \$85,000. The jammer would create a heavy zero offset in its path if one tried to receive the primary transmitters. Thus, the primary signals would be virtually unintelligible.

FCC Chief Engineer Ray Spence said: "After our initial surprise, we have done a legal search, and apparently we can issue the licenses." He made that statement on Nov. 13th. At the time of this writing, the FCC has not issued a jamming license. On Jan. 14th, the FCC held talks with CRTC and DOC officials. The reception which the FCC got was cool, to say the least, and the bet is that further talks will be held on the matter. Thus, the Buffalo TV stations aren't likely to get their "experimental license" for a few months.

What the jammer would do is to make DXing difficult. Imagine the blank carrier received via Es---or MS. There would be no IDs...it would not be a useful broadcast service. I suggest that you air your opposition to VHF jammers in letters to the FCC. The Canadian authorities have little to say in the matter. CATV men laugh, and say that they will use antenna phasing or microwave transmissions of alternate U.S. sources, e.g. the Detroit VHF's. With monthly revenues in the millions of dollars, Ontario CATV men could afford to receive U.S. signals in British Columbia, transmit them by ANIK satellite to Toronto, and still turn a profit.

Engineers for Telsat Canada (and ANIK) have announced a new digital transmission method which would allow transmission of several TV signals over the frequency spectrum now used for one TV signal on the satellites. The quality is slightly noisier than the normal ANIK signals, but signal to noise is probably superior to conventional CATV distant over-the-air reception of VHF TV. Thus, nationwide CATV via satellite may just be weeks away. For an excellent article on satellite TV, see Bob Cooper's CATV magazine, October 1975.

On that topic: CTS, the Canadian Technology Satellite, was launched by NASA on January 17th, 1976. This satellite will be instrumental in proving the usefulness of home-TV direct from space. CTS is the most powerful spacecraft to date with a 200 watt ERP signal in the 11.7 to 12.2 GHz band. There will be two 85 MHz pass bands for transmitting in the above range with reception of ground signals in two 85 MHz bands between 14 and 14.3 GHz.

I am now receiving more info on CTS almost daily, so an in-depth article will be forthcoming shortly. For now, I will mention that U.S. experimenters will be participating in CTS, so I hope to get the names and addresses of U.S. participants so that some of you can observe the CTS programme. The CTS experiments will begin this spring with direct reception to home TVs using 32-inch antennas! There will be several hours of TV broadcasts in July and August on a daily basis...so any of you with 12 GHz equipment might forego August Es and try something really challenging.

Finally, CKCO Ch. 42 Oil Springs, Ont. claims to be 1750 kw, but they are highly directional. They have almost no signal here in London, N.E. of their site; but 10 miles south of London, in St. Thomas, they are received well by DXer Roger Gravelle. Tony Ward has observed Ch. 42 in his car and confirms their highly directional beam.

Retyped &  
edited by  
C. Ingram

Until next time, 73's and good DX.

*Mark L Lewis*

# TV Ontario

# TV CCI AIDS

Steve West  
432 Kenmore Road  
Havertown, Pa. 19083

March 1976

Deadline: 10th

The CCI Aids column is back! Just take a look at the new format! The column is now primarily for low band VHF's, and the purpose is to help identify stations received for a short time by E-Skip or Meteor Shower. (Most UNID's) The information given is more or less the personality of the stations, which may help identify them without actually seeing or hearing them identify. Please send in information on your local stations, I'm sure most of you faithful DXers already know the information on your locals, so send it in!

KDKA-TV 2 Pittsburgh, Pa.

## KDKA-TV 2 W

Sign/on: 0555 all week

Station ID's: "KDKA-TV 2, Pittsburgh, some place special"

Test Pattern: None; ID slide run from 0550-0555 EST all week

News name: Eyewitness News

Anchormen: Bill Burns, Bob Perkins, Steve Smith, Dennis Holly

Miscellaneous: DC ssb used, also High Flight. KDKA's devotional is Daily Sermonette.

Movie names: Action Theatre, Sunday Award Theatre, Sunday Film Festival, KDKA Big Movie

WMAR-TV 2 Baltimore, Maryland



Sign/on: 0630

Sign/off: 0135

Test Pattern



Used almost always before sign-on from 0600 to 0630, never seen any other time, 3/4th color bars used at same times, 9 2-3 UNID.

Station ID's: "The Newswatch station, WMAR-TV 2, Baltimore" Newswatch 2 at 11" "The Newswatch station"

News name: Newswatch 2

Newsmen: Bill Burton, Susan White, Stu Kerr

Movie names: Sunday Big Movie, A picture for a Sunday afternoon

Miscellaneous: ID's are usually promos for shows with no mention of call letters, logo is small in lower right hand corner. Public Service announcements have "This time donated by WMAR-TV" in a box supered on lower part of screen.

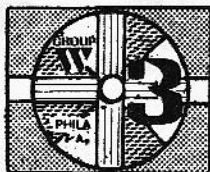
## 3

KYW-TV 3 Philadelphia, Pa.

Sign/on: 0600, 0630 Sundays

Sign/off: 0215, 0300 weekends

Test Pattern modified CBE, 0500-sign on; occasionally during night



Station ID's: "Join Mort and Jessica for Newswatch 5:30" "KYW-TV 3, Philadelphia" "Eyewitness news at 5:30, 6, and 11" "See Mike at 4 on 3"

News: Eyewitness News (12, 6, & 11) Newswatch 5:30 (5:30pm)

Newsmen: Vince Lenard, Mort Crim, Jessica Savitch, Bill Kustard (W)

Orien Reid, Al Meltzer (S)

Movie names: Sunday Showtime, Cinema 3, The Sunday Night Movie

Miscellaneous: Promos for Mike Douglas and Eyewitness News a lot, with their 3 in the lower right corner.

WTAR-TV 4 Pittsburgh, Pa.

Sign/on: 0630 EST all weekTest Pattern: none; ID slide run with tone from 0630-0645 EST.

Station ID's: "Channel 4, your Action News station"  
News name: Channel 4 Action News  
Anchormen: Paul Long, Don Cannon  
Movie names: Million Dollar Movie, The Rege Cordic Super Friday Movie, The Rege Cordic Sunday Afternoon Movie.  
Miscellaneous: FMH ssb used, devotional is "Meditations"

WJAC-TV 6 Johnstown, Pa.

Sign/on: 0630 Mon-Fri, 0730 Sat, 0800 SundaysTest Patterns: UNID 3/4 CB 7-2 run 0630-0700 Mon-Friday 0730-0800 Saturdays, 0800-0830 Sundays, Hedge TP seen rarely.Miscellaneous: DC ssb used, no devotional.

Station ID's: "WJAC-TV, Johnstown, serving millions from atop the Alleghenies."  
News names: 11th Hour News, The News Today, Weekend Report  
Anchormen: Ron Stevenson, Ron Lorence



WPVI-TV 6 Philadelphia, Pa.

Sign/on: 0600, 0630 SundaysSign/off: Approximately 45 mins. after ABC programming.Test Pattern:

ID slide used 5:15 to sign/on, hardly ever in the middle of the night.

Station ID's: "Larry Kane and Gwen Scott tonight at 5:30"  
 "Channel 6, WPVI TV, Philadelphia" "WPVI TV, Philadelphia"  
News: Action News (12, 5:30, 6, 11)  
Newsman: Larry Kane, Gwen Scott, Jim O'Brian (W) Joe Peligrino (S)  
Movie names: Million Dollar Movie, Matinee Movie  
Miscellaneous: ID'S are usually promos for news or movie with a small picture ID shown.



METROMEDIA TELEVISION



# TV CCI

## UNIDENTIFIED TV-DX

Frank Aden, Jr.  
1535 NW Ithaca Ave.  
Bend OR 97701

MARCH 1976

The TV Guide Regional Office in New York City has agreed to supply WTRFA members with Off-sale editions on the receipt of a stamped-addressed envelope. They are responsible for the New York Metro edition. Their address is 1290 Avenue of the Americas, New York, NY 10019.

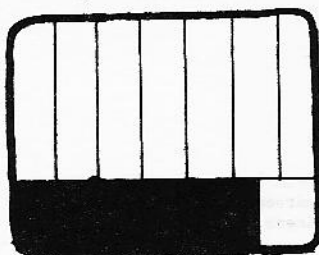
The TV Guide Regional Office in Lakewood OH has also agreed to supply Off-sale editions for a stamped-addressed envelope providing the quantities do not get too large to handle for them. The Cleveland edition which they handle has been split into three editions. The new Cleveland Metro edition has schedule information for Cleveland channels 3,5,8,25, & 43. Akron channel 23 is also included. The Youngstown-Erie edition has information for Cleveland 3,5,8,25,43, Youngstown 21,27,33, Erie 12,24,35, 54, Steubenville 9, Wheeling 7, Akron 23, Canton 17, Alliance 45, Pittsburgh 2, London 10, & Hamilton 11. The Northern Ohio edition has Cleveland 3,5,8,25,43, Columbus 4,6,10, Toledo 11,13,24,30, Lima-Bowling Green 35,57, Steubenville 9, Wheeling 7, Akron 23, Canton 17, Zanesville 18, Detroit 50, & Windsor 9. Their address is Lakewood Center North, 14600 Detroit Avenue, Lakewood OH 44107.

There have been some changes in other TV Guides reported. Any changes in your local editions should be reported for publication in TV-CCI. I also plan to present next month a list of non TV Guide publications that have schedule information not contained in any TV Guide edition.

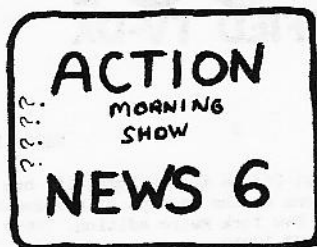
I would like to thank members Clarke Ingram, Eric Engelberg, Jim Gould, & Ron LeBlanc for sending in more information for my station list.

- Bill Thompson, 1907 Seneca St., Buffalo, NY 14210 (1975 & 1976 unids)
- Sat Aug 9 Es ch 6 1921 EDT--Syndicated "Hee-Haw" 20 khs thru CKGN-6. WLBT-3 at 1900, chief suspect is WPRC-6.
- Sun Nov 9 Es ch 2 2258 EST--End PBS "Firing Line" 10 khz CCI thru WCR-2. Animated PBS logo noted after program end but signal faded down just before ID. PTA: South & Southeast US. Chief suspects are WDIQ-2 (+) and WMAB-2 (-)
- Fri Nov 28 MS ch 2 0600 EST--3/4 CB (7-6 $\frac{1}{2}$ -s+) to south. A few good bursts were noted, and this beat  $\phi$  with KDKA-2, making the unid a definite minus. WFMY-2? WESH-2? see photo A. Def. WESH (Ing)
- Fri Dec 12 MS' ch 6 0643 EST--Slide or card "ACTION NEWS 6" with "MORNING SHOW" on the middle; May have been additional words on left side of screen. PTA: WSW. See photo B. Definitely WTVN-6,
- Sun Jan 4 MS ch 3 0218 EST--"NFL Highlights", antenna W.) Bill. (Ingram)  
MS ch 5 0651 EST--IHTP, seemed due West. Many good bursts noted until about 0700. I'm not certain but this may have been 10khz to WNEWS-5, WOI-5? Doubt it, they use BE-TP (Ingram)
- MS ch 4 0735 EST--ID slide with call letters "???? TV" on top of triangle, which appeared to contain logo, which was not recognized. Antenna: West. See photo C.
- MS ch 4 0758 EST--"Faith for Today", antenna SW.
- Mon Jan 5 MS ch 2 0159 EST--"ABC Weekend News" w/Bill Beutel delayed from the 2300 CDT net airing on Sunday Jan. 4 Antenna SSW.
- Sun Jan 11 Es ch 5 0321 EST--Movie "Tall Story" w/Jane Fonda, Anthony Perkins. At 0326, break in movie for promo for the "FBI" running Monday-Friday on the unid. WCHD-2 positive a few minutes later. WCSC-5 WAGA-5? HIGH PRIORITY: unusual aurora-induced opening, opening, either suspect would be new.

Bill Thompson continued.



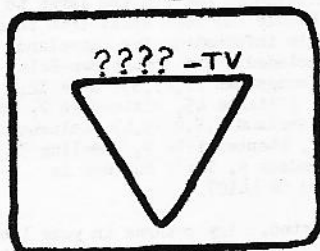
A



B



This is the logo used by the cable commercial network. This logo is from and ad for "KOZY" cable TV ch. 4 in Eugene OR.



C

## UNIDs IDs

Bill Thompson sent in the information below for unids that were in the December TV-CGI.

Ron LeBlanc, Jun 16 ? ch 5 (page 35 photo "C") that looks very similar to an ID slide I saw KYGU-5 use last summer on two occasions.

Ken Simon, May 25 (1973), Es ch 2 1720 EDT, WGR-2 has been running a movie 1600-1800 weekdays which has a host who stands in front of a set similar to the one described (the middle of a big dollar bill). However they call this "The Money Movie" but it might be mistook for a "Dialing for Dollars" type show, as the hosts phones viewers during breaks in the film, and asks them questions about the movie (title, stars, etc.) and about how much money they have in the jackpot. Many stations use the "Dialing for Dollars" format, and many also may have "Money Movies".

The list of regional TV Guide offices with a three letter code was formed from a list of codes Clarke Ingram and I made. These codes can be used in place of the numbers used by TV Guide as with the addition of new editions the number code changes. This three letter code can be used to remedy the problem.

## CODE EDITION

AER	Alberta
ARK	Arkansas
CGA	Central California
CFL	Central Florida
CHI	Chicago Metro
CID	Cleveland Metro
CND	Cincinnati-Dayton
CNY	Central New York State
COH	Central Ohio
COL	Colorado
CPA	Central Pennsylvania
CIN	Carolina-Tennessee
CVA	Central Virginia
DEN	Denver
DET	Detroit
DFW	Dallas-Ft. Worth
EBC	Eastern British Columbia
EIL	Eastern Illinois
ENE	Eastern New England
ENY	Eastern New York State
EVA	Eastern Virginia

## CODE EDITION

EVP	Evansville-Paducah
EWA	Eastern Washington State
HWI	Hawaii
IDA	Idaho
ILW	Illinois-Wisconsin
INC	Central Indiana
IOW	Iowa
KAN	Kansas
KCY	Kansas City
KEN	Kentucky
LCS	Los Angeles
LSA	Louisiana
MAI	Maine
MEM	Memphis
MIC	Michigan
MIS	Mississippi
MNS	Minnesota State
MON	Montana
MOS	Missouri
MSK	Manitoba-Saskatchewan
MSL	Montreal-St. Lawrence



Fort Smith, Ark.



CODE	EDITION
MSP	Minneapolis-St. Paul
NAL	Northern Alabama
NCA	Northern California
NCR	North Carolina
NDK	North Dakota
NEB	Nebraska
NEV	Nevada
NFL	Northern Florida
NGA	North Georgia
NWH	New Hampshire
NIN	Northern Indiana
NJP	New Jersey-Pennsylvania
NME	New Mexico
NCH	Northern Ohio
NOR	New Orleans
NSH	Nashville
NTX	North Texas
NWI	Northern Wisconsin
NYC	New York City
OKS	Oklahoma State
ORE	Oregon State
PHL	Philadelphia Metro
PGH	Pittsburgh Metro
PHX	Phoenix
PNY	Pennsylvania-New York State

CODE	EDITION
PCR	Portland
SAL	Southern Alabama
SCR	South Carolina
SET	Southeast Texas
SFL	Southern Florida
SFM	San Francisco Metro
SGA	South Georgia
SLC	Salt Lake City
SND	San Diego
SFA	Southeast Pennsylvania
STL	St. Louis
STX	South Texas
TLO	Toronto-Lake Ontario
TUC	Tucson
VER	Vermont
WBC	Western British Columbia
WBL	Washington-Baltimore
WIL	Western Illinois
WNE	Western New England
WNY	Western New York State
WTX	West Texas
WVA	West Virginia
WON	Western Ontario
WWA	Western Washington
YER	Youngstown-Erie



With this month's TV CGI I have been editor for one year. I would like to thank everyone who in the last year have contributed to TV CCI and that the next year will be a great one for DX.

Until next month 73's

*Traska*

## publishers' notes...

WTFDA HEADQUARTERS, P.O. BOX 163, DEERFIELD, IL 60015 USA

(CONTINUED FROM PAGE 2)

**DX GET-TOGETHER...** is being hosted by BARF (Bay Area Radio Freaks) on March 27-28. The site is the Hotel Raphael on 386 Geary Street, in downtown San Francisco. Further details may be obtained by writing to BARF Publicity Person Charles A. Wolff at 4911 Proctor Road, Castro Valley, CA 94546.

**ALL-NIGHT MOVIES...** will be featured in an article by TV QSL editor Paul Traska if enough information is gathered. Paul specifically needs to know the following details of any all-night movies in your area: (1) what channel; (2) what night or nights are they aired; (3) what the title (if any) of the movie program is. Please send this information to Paul at his address on page 22.

**NOTES OF NOTE...** Ken Simon's "International Notes" premieres in this issue with a super feature on BBC stations from Keith Hamer. Ken doesn't know if he can support the column on a regular basis, but he welcomes your contributions... "Bob's Tek-Notes" returns after a two-year absence this month with details of the NOAA Radio program.

73, Clarke Ingram for Peter Oprisko, John Zondlo, and Mike Hogan

**WORLDWIDE TV-FM DX ASSOCIATION**

SERVING THE  
VHF-UHF DX  
ENTHUSIAST

DUES: USA and Canada, \$11 (first class); overseas, \$18.

The VHF-UHF Digest is the monthly publication of the Worldwide TV-FM DX Association. WTFDA is a non-profit organization and a member club in the Association of North American Radio Clubs.

All persons contributing their efforts for the Worldwide TV-FM DX Association do so without monetary compensation. Dues and all other revenue cover printing, postage and other expenses.

The WTFDA is governed by a five-man board of directors.

BOARD MEMBERS

Bruce F. Elving  
Morrie S. Goldman  
David T. Janowiak  
Gary A. Olson  
Donald B. Ruland

VUD EDITOR: Clarke Ingram  
PUBLISHERS: Peter Oprisko  
John Zondlo  
Michael Hogan  
CONTROLLER: Gary Olson  
BOOKKEEPER: Bruce Elving  
PROCESSING: Dave Janowiak

-----  
S U P P L I E S    a n d    D X    L I T E R A T U R E                      Member rates only.

VUD Back Issues....	Available: Nov 1973 issue to the present. Sent by first class or special book rate.	75c each 4 for \$2.50
<u>Beyond Shortwave</u> ....	An introduction to TV, FM, and V-U radio DX, written by Glenn Hauser, Bruce Elving, and Terry Colgan, with many illustrations.	\$1.00
<u>TV Station Guide</u> ....	An accurate listing of North and Central American TV stations, featuring maps for each channel pinpointing their locations.	\$4.00; nonmember price, \$5.
<u>The FM Atlas and Station Directory</u> ....	An accurate and detailed FM listing by Dr. Bruce F. Elving, FCC FM News editor.	\$3.25 by First Class
<u>UHF Translator DX Guide</u> .....	A complete listing of US UHF translators, including call, location, power, and primary. Also features a section on "DXing the Translators" by Bob Cooper. 28 pages.	\$2.00
WTFDA Stationery....	Features the official WTFDA emblem as at top of this page, printed in blue on bond.	45 sheets \$1.00
DX Log Sheets.....	These sheets, punched for a 3-ring binder, help to keep your running DX log in order.	Pad of 100 \$2.50
VUD Boxers.....	Attractive cases designed to keep your copies of the VUD neat and organized.	\$1.50 each
Station QSL Report Forms.....	For requesting QSL's (verifications) from TV or FM stations. Now offset printed!	45 sheets \$1.00
DX Column Report Forms.....	For reporting to the various DX columns appearing monthly in the VHF-UHF Digest.	Free for a SASE

-----  
All columns and feature articles to appear in the VHF-UHF Digest should be sent to editor Clarke Ingram in Pittsburgh, PA, by the 20th of each month. All information for VUD columns should be sent to the appropriate editors; all club business (supply orders, etc.) should be sent to HQ in Deerfield.

SUPPORT THE WORLDWIDE TV-FM DX ASSOCIATION BY REPORTING AND BUYING SUPPLIES