

**VHF-UFHF
DIGEST**
the official publication of the Worldwide TV-FM DX Association

MAY 1978

THIS MONTH

**E SKIP
RETURNS**



Stereo 102



From The Staff :

WTFDA Headquarters, P.O. Box 202, Whiting, Indiana 46394

CONVENTION 1978...The Louisville crew reports a major horse show during the first weekend of August has forced the group to change the convention dates as the show has made it impossible to obtain reservations for a convention site. The new dates are July 28, 29 and 30, the last weekend in July. We hope this does not complicate anyone's convention plans as the change is unavoidable. Early reports indicate registration fee will be \$20 at the door or \$17.50 in advance. More details to come in the next two issues. Make Louisville your vacation site in 1978.

FCC-TV...Some major problems have caused difficulties in allowing this column to return. Work is now under way to collect all station changes and additions since the last column appeared. Hopefully FCC-TV will return in the June or July issue.

NOAA WEATHER RADIO...The Spring 1978 NOAA STATION list is now out but is in a different form than former lists. The new list does not list call letters and uses a code number to indentify the correct frequency. For copies of the new list write NOAA, National Weather Service (Attn. W112), National Oceanic and Atmospheric Administration, Silver Spring MD 20910

APRIL VUD...Some of the pages in the last month's VUD were cut short. If you wish to obtain any information lost by the cut off pages contact HQ. All editors are reminded to keep their columns only 12½ inches long.

TV CCI AIDS PROJECT...Page 24 contains details about WTFDA new TV Station CCI AIDS Project.

NEW PSB COLUMN...Don Blevins is the editor for the new IN SEARCH OF PSB column. The new column will act as an "CCI AIDS" for the PSB DXer. Send Don information on your locals today. The new column starts on page 14.

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MAILBOX

John Zondlo
6617 Maryland
Hammond, IN 46323
(219) 844-8694
Deadline: 10th

New Members:

Lynn Burke	479 Nelson Drive, #21	Newport News, VA 23601
Garry Farmer	1501 Cordell	Houston, TX 77009
Ronald Green	1701 Campbell Blvd., Bldg. #4, Apt. 11	Joplin, MO 64801
M. Augustin Jutras	3465 Glendon Ave.	Los Angeles, CA 90034
Guy Kroger	211 S. Fawcett	Sioux City, IA 51103
Greg Monti	5 Hickory Road	Bayville, NY 11709
Takashi Shimamura	436 Bartlett St.	Roselle, NJ 07203
James J. Wallace	4719 E. Broad St., Apt. D	Whitehall, OH 43213
John Zeis	206 Morris Road	Exton, PA 19341

Renewals:

Jim Alexander, Donald Allison, Robert Baker, Phil Boersma, Danny Buntin, John Czarnomski, Clinton Day, Richard Eddie, Eric Fader, William Feidt, Ted Fleischaker, Jerry Franklin, William Grant, Michel Guzzi, Gerard Hart, Thor Hauer, Harry Hayes, Carlon Howington, William Johnson, Ron LeBlanc, Patrick Martin, George McKay, Guy Ogden, Mike Reid, Steve Rich, Bob Seybold, William Welch, Morgan Williams, Neil Zank.

Rejoins:

Gary Mullis-8041 N. Boundary Road-Baltimore, MD 21222
James Sofonia-4167 Holiday Hills Road-Traverse City, MI 49684
Bradford Wall-7876 Del Rosa Ave.-San Bernardino, CA 92410

Address Changes:

Donald Blevins-407 Langley Road-Baltimore, MD 21221
Bill Block-9307 S.E. Clay-Portland, OR 97216
Richard Clark-Santo Cerro-Dominican Republic
Carlon Howington-939 Palmetto Ave.-Akron, OH 44306
Greg Lowery-Route 1, Box 154-Cadwell, GA 31009
George McKay-Box 5000-Claremont, CA 91711
David Walcutt-2828 Rogerdale, #108-Houston, TX 77042

Renewals Due in June:

Richard Allen, Dennis Ambrose, Dave Bissell, Linda Brodsky, Brian Cartwright, Randall Clark, John Combs, David Cox, Gordon Draeseke, Les Goins, John Grable, Jim Hopkins, Leonard Jozwiak, Michael Lapinski, Rolland Lindblade, Greg Lowery, Andrew Mahoney, Fred McCormack, Earl McDonald, Mike Mitock, John S. Phillips, John Pilger, R. Randall, John Ruckert, Ken Simon, Kevin Slater, William Smith, Steve Sprachman, Eric Strahan, Ralph Strobel, Martin Theil, Mel Wilson, John Winslow, Charles Zipser.

LYNN BURKE is a 29 year old sportswriter who's into medium and shortwave DXing. Lynn is also a member of NRC, IRCA, NASWA, ASWLC, and SPEEDX.

The Association of North American Radio Clubs (ANARC) helped lure GUY KROGER into WTFDA. Guy's equipment includes a Regency ACT-R10HLU and a Windsor 2134. He's a member of RCMA, IRCA, BDXC, NASWA, and NNRC.

WGBB DJ GREG MONTI is one of our new additions this month. He's a member of IRCA, and learned of the club thru former member Tim Benko. Greg's DX gear includes a Jerrold PAU-500 antenna, a Channel Master Super Bandsaw, an RCA VHP antenna, a Winegard DA-815 amp, A Zenith 19" color TV, a Pioneer SX525 stereo, and a Lafayette 99-35651 receiver.

What, another radio man? Sure enough! JIM WALLACE is a news director, but didn't pass along what station he works for. Jim DXs with a Realistic stereo. His main DX interests include BCB, FM and TV, and he's also a member of NRC and IRCA.

36 year old JOHN ZEIS is an engineer who enjoys TV and Amateur 2 meter DX. John's TV antenna setup includes a Channel Master log-periodic for VHF, an 8 bay UHF antenna, and a Blonder-Tongue preamp. John learned of the club through various magazine articles.

Tidbits.....

Mucho news this month! Topping the list is the ANARC convention, which will be held July 14-16 in Montreal. Host for the convention is Ian McFarland of Radio Canada International. He hosted the convention a few years ago and put on a good show. For more information, write to ANARC HQ, 557 N. Madison Ave., Pasadena, CA 91101. Include a SASE for a reply.

In other ANARC news, the ANARC member clubs recently approved a slight increase in club dues and subscriptions. The vote for the increase was unanimous. ANARC also expanded from 11 to 14 regular member clubs, with the addition of the Brooklyn DX Club, the Longwave Club of America, and the Miami Valley DX Club. BDXC was approved 36-19, LWCA 49-6, and MVDXC 42-13. WTFDA voted for the admission of LWCA, and against BDXC and MVDXC. ANARC will issue a new list of member clubs in late June.

Member Gary Casler writes: "Are any of you guys in the WTFDA interested in an auroral observing group? As you probably know, auroral activity can produce DX openings in both TV and FM broadcasting by causing the ionosphere to act as a better 'reflector' of radio waves. If there is enough interest, possibly an organization can be formed, with a newsletter. By comparing reports from such an organization with the DX columns in VUD, it may be possible to determine what frequencies or channels are most affected by auroral activity, and the relationship between the intensity of an aurora and the MUF." For more information, write to Gary at RR#1, Chatfield, MN 55923.

Doug Long passes along the following information from the Atmospheric Environment Bulletin: "Weatheradio Canada is a new public service by AES, designed to provide weather information to the Canadian public over VHF-FM radio continuously 24 hours a day. This service was inaugurated on January 24, 1977, when Vancouver went on the air (CFA-240 162.40mhz). Since then, Montreal has gone on also. Toronto is expected to start in June. Other proposed network stations are: St. Catherines, Hamilton, Thunder Bay, Kitchener, Windsor, London, Ottawa, and Sudbury. These will also be fitted with warning tones. The exact frequency of each station has not been finalized, but it is expected to be 162.40, 162.475, 162.55 (the same as NOAA)." Doug didn't say which edition of AES this is from, so some of these stations are probably on the air. Perhaps Doug would like to do an article on the Canadian weather stations?

Do you have a VTR? Well, there's a new magazine geared to the VTR enthusiast. It's Instant Replay, a videocassette magazine featuring clips of different programs across the country, plus good scenes from network shows and analysis of network news. For more information, write to Chuck Azar, 4149 Bonita Ave., Coconut Grove, FL 33133, or call him at 305-666-6787.

Here's one for you old-time radio buffs. Communication Institute offers a documentary cassette featuring the story of Guglielmo Marconi and his invention of the wireless. The Institute is offering the program to DXers at a special price of \$6.45 (regular \$12.95). For more information write to Communication Institute, P.O. Box 1207, Arlington, VA 22210. Be sure to mention WTFDA. Incidentally, WTFDA does not endorse any product (other than our own or the FM Atlas) or service. The type of items above are presented for your information. To the best of our knowledge, the firms mentioned in this column are reputable, but be sure to write them for more info before purchasing anything.

New member George Matyaszek writes: "Having just joined the WTFDA, I was quite impressed by the content of your magazine. Recently having purchased a Bearcat 210, I have logged many stations in the 416-490 region. There is one station here in Chicago with the frequency of 418.9 MHz that I cannot identify. Are there any members who also enjoy DX in the 416-450 region? My other receiver is a Yaesu FR-1015." George's address is 3409 N. Avers St., Chicago, IL 60618.

Good to have Gary Mullis back in the club! According to Gary: "I was a member back in 1974, so I am very aware of the club. It's a fine club and I am hoping that I will be able to contribute much to the FM, TV, and PSB sections of the bulletin. I am using a Pioneer SX-2500 for my FM, with a Channel Master FM antenna log-periodic separate from my VHF-UHF combo TV antenna. My television is a Sony Trinitron, and my scanner is a Bearcat 210 using a Heathkit 147MHz antenna for VHF operation and my Big Stick 27MHz antenna for 30-40MHz operation, which has been fantastic lately."

From Gerard Hart we have these words: "I have enjoyed receiving your digests throughout the past year and I hope to become more involved with the club during 1978. Also, may I wish the new editor, Frank Aden, Jr., great success throughout the coming year." Thanks for the kind comments, Gerard.

Greg Lowery writes: "The 10th anniversary issue was GREAT! I especially enjoyed the statistics, and I could really identify with Bob Cooper's 'DXing Frustrations'. Might I add that the TV station guide included in the December 1977 VUD was one of the most helpful features included in the mag since I have joined. I want to heartily encourage any other articles of this type."

As with Gary Mullis, it's good to have Brad Wall back in WTFDA! Brad is a 26 year old painting contractor who's into TV, FM, BCB, and shortwave DXing.

Good news from Western TV DX editor Bill Block, who reports, "Last Sunday I saw my best tropo opening that I have ever seen in Portland. There were stations on every channel from 2-13! Seattle was like a local and there were stations from California also! Pat Martin even heard FM stations from San Francisco! Full details will be in my column." Way to go, Bill!

4 See y'all next month.....73.....jz

New Stations Granted

CA Healdsburg 92.9 2500 h,v; 1660' nk at 38-44-43; 122-49-01
CO Yuma 100.9 2500 h,v; 340' kr
CT Derby *90.1 10 watts; Stand, Inc.
LA Farmerville 92.7 3000 h,v; 270'; m
MN Owatonna *90.5 10 g; Pillsbury College
MS Carthage 98.3 3000 (h); 300'; ks
MO Eldon 92.7 3000 h,v; 300'
NM Portales KENW *89.5 100000 h,v; 185'
OH Mansfield *90.7 10; g; Christian School
TN Gallatin *88.3 6000; 51' [Initial dec.:
WV Milton 106.3 128 h,v; 1202'; k
AT Edmonton 93.3 100000 h,v; 750'; \$, c
NS Halifax 92.3 100000 French; CBAF relay

On Air and DX Ready (presumed)

CO Castle Rock KMJD 92.1 3000 h,v; 300'; k
FL Starke WPXE-FM 106.3 3000 h,v; 120' [rg
GA Glennville WKIG-FM 106.3 3000 h,v; 300'/
IL Chicago WQUL *88.9 (but FCC says 88.7, which I think is in error) 10 watts, IL Institute of Technology.

ME Monticello WXMN *89.5 10 [here again the FCC says 88.7, which I think is wrong]
MA Boxford WBMT *88.3 710 watts; 19'
MA Holyoke WCCH *89.5 10 "
WA Yakima KYGO 98.3 700 h,v; 560'; \$, n, erroneously listed twice p. 93 of FM Atlas.
PA Huntingdon WKVR *91.7 10; p
TX Brownsville KRIX 99.5 "99-X," \$, r 100000 h,v; 430'

On with Changes (selected)

CO Greeley KGRE 92.5 (from 92.3) 25000 h,v, 470'

Deletion (unofficial)

IL Chicago WLWU *88.7 Loyola U., 6525 N. Sheridan Road

Facilities Changes

IN Valparaiso WLJE 105.5 1600 h,v; 400'
MI Flint WFBE 95.1 10000 h,v; 240'
MN Thief River Falls KAVS *90.1 has v
TX Paris KACW 99.3 3000 h,v; 300'
VA Manassas WEZR 105.7 directional (33000 h,v; 590'); has mystery SCA

Stereo Stations

AL Tuscaloosa WTUG-FM 92.7. CA Lompoc KLPC 92.7. CA Los Angeles KHOF 99.5
CA Northridge KCSN *88.5 DE Milford
CA Pacific Grove KOCN 104.9 WAFI 97.7
CA San Francisco KALW *91.7 WAFI 97.7
IA Cedar Rapids KTOF 104.5 (resumed \$)
IA Independence KOUR-FM 95.3 m (and translator in Manchester IA)
KY Henderson WKHC 103.1 r (not rp)
TN Memphis WSNW *91.7, jr; no SCA

Dolby

CA Berkeley KRE-FM 102.9 adds Dolby
CA Los Angeles KIQQ 100.3 drops Dolby
CA San Francisco KQED-FM *88.5 adds Dolby
KSAN 94.9 adds Dolby
KABL-FM 98.1 drops
Dolby.

SCA (67 kHz) Activities

AL Birmingham WBMH *90.3 talking book
WENN-FM 107.7 PRN (Q)
AK Fairbanks KUAC *104.7 presumed to be going to talking book for the blind
IL Mt. Carmel WVJC *89.1 talk and music
MI Berrien Springs WAUS *90.7 no SCA for telemetry only; station manager said they moved from 90.9 to resolve an interference problem with WGSX 91.1 Goshen IN.
NJ Dover WDMA 105.5 ethnic (same as on the SCA of WHBI 105.9 Newark NJ)
NY New York WRFM 105.1 no SCA (telemetry)
ND Grand Forks KKDD 92.9 farm news
OR Portland KPAM-FM 97.1 no SCA; no network. KJIB 99.5 PRN (Q); m on main channel, not m. [FM-101
TN Memphis KWAM-FM 101.1 no SCA; non id: /
TX Clear Lake City KMJQ 102.1 no SCA;
"Magic 102." TX Houston KUHF *88.7 no SCA; has some Mutual news on main carrier, jc, not a nonIDer.

Formats/Networks

AK Anchorage KKLV 103.9 r (not m)
CA San Francisco KBRG 105.3 Spanish (is Spanish/ethnic for 19 of 24 hours on air)
CA San Jose KLEL *89.3 r
CA Stockton KUOP *91.3 cj [tors)
GA Blue Ridge WPPL 103.9 E (and transla-/
ID Sun Valley KSKI-FM 93.5 A
IL Highland Park-Deerfield WVVX 103.1 rg; no l (three reporters sent info on this station!)
IL Rockford WXOK 97.5 rp (was n); still A?
IN Evansville WPSR *90.7 talk days; c nites
WVHI 105.3 g (not gk)
IN Terre Haute WVTX 100.7 "natural 101" r
WBOQ 107.5 "Q-106") rp (not m)
IN Washington WFML 106.5 is nk; not just m
IA Pella KPLL 103.3 no ABC-FM
KY Henderson WKDQ 99.5 rp
KY Hopkinsville WKOA-FM 100.3 is mainly n; some r before ballgame, so probably nr is best description of their format
MI Escanaba WFNN "Fun 105" S; has Muzak SCA
MI Grand Haven WFMG 92.1 U
MI Grand Rapids WLAV-FM 96.9 rp
MS Coldwater WVIN-FM 95.3 k (not gk); FM-95
MO Ballwin KLMA *89.9 r
NY Brookville WCMP *88.1 talk and r, etc.
OR Lake Oswego KMJK 106.7 no network; no SCA; occasionally calls self "Magic 107"
OR Portland KGON 92.3 no network; may be going Dolby. KYTE-FM 101.1 "The Kite" r (from mc); no network; talk SCA, which rebroadcasts KDPS AM)
SC Summerville WWVZ 93.5 A (from B)
SD Sioux Falls KLYX-FM 93.5 r (not pr)
TN Germantown WEEF 94.3 m (not nr) "We-FM-94" non ID. TN Johnson City WQUT 101.5 pr
TN Memphis WLYX *89.3 p (from rj); A
TX Conroe KNRO 106.9 "FM-107" n (not r); no SCA.

TX Corpus Christi KSIX-FM 93.9, "X-FM" nonID, r (from mc)
TX Georgetown KGTN-FM 96.7 Spanish; gk
TX Houston KRLY 93.7 rp; KLEF 94.5 U
KLQL 101.1 rp "101 FM" nonID
TX Killeen KNCT-FM *91.3 mc [nights)
TX La Grange KNUZ 104.9 k (rp on Sunday /
TX Port Arthur KHYS ("Kiss 98") 98.5 p (not mc). TX Rosenberg KFRO-FM 104.9 nk; some Spanish in afternoons; m morn.; k evenings.
TX San Antonio KMFM 96.1 g (from c)
KITE-FM 104.5 E; mystery SCA
TX Victoria KTXN 98.7 Mutual
WI Antigo WRLO 104.9 m (from kr)
WY Jackson KMTN 96.9 rp (from rn)
PR San Juan WPRM 98.5 ls (from talk and n); no English; "Salsoul 98" nonID.

Non-IDs

AR Little Rock KLAZ 98.5 Z-98, not 98-Z
CA San Clemente KWVE 107.9 "K-Wave"
IL Chicago WEFM 99.5 r (from c), "We-FM"
IL Elmwood Park WXFH 105.9 no longer
"Triad" during rock hours
IL Woodstock WXRQ 105.5 "The Crossroads"
IN Evansville WKY-FM 104.1 "FM-104"
NY New York WPIX-FM 101.9 "Rock 102" (from "Disco 102") [K-12)
OR Corvallis KFLY-FM 101.5 "Fly-FM" (not/
TX Abilene KORQ 100.7 FM-100
WI Kenosha WJZZ 95.1 "Rock 95"
WI Racine WRKR-FM 100.7 "Rocker" and "FM100"
WI Superior WSSU *91.3 FM-91, not 91-S

Not nonIDs

AL Enterprise WMMX 106.7
LA Baton Rouge WAFB-FM 98.1, WQXY 100.7, WFMF 102.5 (uses either FMF or WFMF)
LA New Orleans WEZB 97.1
MS Jackson WLIN 95.5
TX Corpus Christi KZFM 95.5
TX Denton KNTU *88.5
TX Houston KAUM 96.5 r (not rs)

Call Letters

FL Naples 93.5 WRGI (from WRGI-FM)
FL Tampa *88.5 WMNF (WINO) TX Lake Jack-
IL Sullivan 106.3 WSAK (WFWA) son 107.3
IA Forest City 102.3 KIQW IKGOL (not
KS Pratt 93.1 KWLS-FM (KWNS-FM) IKGOL; r;
MS Grenada 100.1 WQXB (WRIL) Ino SCA.
MO Liberty 105.5 to be KFIX-FM (KSAB); rm
MT Billings 93.3 KYVA (KOYN-FM) TX Waco
102.9 KOOK-FM 95.5 KNFO
NV Las Vegas *89.5 KNPR (KEFC)
NM Clovis 99.1 KRQQ (KNTY-FM) IVA Radford
NY Cortland 99.9 WNOZ (WKRT-FM)
NC Burlington 101.1 WPCM (WNCB) *89.9 WRRG
NC Fairmont 100.9 WZYX (WXYX)
OK Tulsa 103.3 KTFX (KKUL)
OR Coquille 102.3 KWRO-FM
OR Pendleton 107.7 KTAS
OR Salem 105.1 KSKD (KORI); IDs occasion-
ally as "Cascade 105"
PA Charleroi 98.3 WESA-FM (WFMF)

Abbreviations used: c classical, e ethnic, g gospel, j jazz, k country L Latin/Spanish, m is middle of the road, p progressive rock, r rock oldies, top hits, or mellow or "easy" rock, s soul, t talk. So-called album-oriented rock is rp or pr. Networks: A ABC-FM, B National Black network, C CBS, E ABC Entertainment, I ABC Information, M Mutual, N NBC, P National Public Radio, S Associated Press Audio, U United Press Audio, Y ABC Contemporary; PRN (or Q) on SCA is the Physicians Radio Network. h is horizontal effective radiated power in watts; v is vertical effective radiated power in watts; heights are above average terrain in feet; σ is stereo.

Readers' Reports and Comments

Dave Walcutt, recently moved from Illinois to Texas, has several comments and program format observations, most of which are noted previously. He does say KILT-FM 100.3 Houston uses the "FM100" non ID on the hour, with the legal ID heard on the half-hour. He feels, regarding the discussion in the July WUD, p. 10, that "album" is a better term than "progressive" rock to use. "The 'album' stations are certainly anything but 'progressive', which is a relative term with political overtones. . . As a 'child of the sixties' I would have to label the 'album' stations, which lean towards nonID status, as anything but progressive. The term is obsolete and not appropriate to anything I have been hearing [lately on FM]." However, the term "album oriented rock" is copyrighted by the trade paper Radio and Records, and they have been giving publications like the "Hall Radio Report" problems for using their "exclusive" term. Maybe the solution will be to go back to just plain r for all rock and rock-type stations.

Dave says many of the maps in the new Atlas are confusing, such as Oklahoma-TX (which I had worked to improve!), Michigan-Wisconsin; Arizona, etc. and Idaho, etc. "are no gems either. I would prefer that the space taken up by the station logos be devoted to more maps instead. [Logos] should be limited to the bottom of each page, at the end of each column. . . About non-ID's: I think that the tendency is to too readily tag a station as a nonIDer. Before I make use of this label I want to listen to the station for one continuous hour. . . I cannot quite see calling a station that IDs on the 1/2-hour a nonIDer. . . reports calling a station a nonIDer based solely on skip reception should be ignored." However, recently another reporter, Nick Lombardi, had the opposite view--that if a station gives an slogan or phrase, even with its call letters, listing such a "nonID" might be helpful to a DXer who might only hear the slogan, if the station faded out when the calls were announced. I think there is merit in both approaches, but feel that excluding a nonID listing for a station which happens to give call letters on both half hour and hour is wrong and serves no useful purpose. Therefore, I am going to adopt a nonrigid "rule" and will list nonIDs of stations that have a policy of giving a "non-ID" in lieu of call letters, such as between songs. Thus skip reports would count. This also frees you, my reporters, from the masochism of having to endure an hour's programming of a nonIDer, just to see if only one ID is given per hour. But Dave does raise a valid point--and that is many of the nonIDers even forget to give their legal ID on the hour, such as when announcers' shifts change, or when switching from automation to manual operation. He wonders if I could draft a form which WTFDA members could send to the FCC to notify them of the importance of giving their legal ID on the hour; and a petition to encourage the FCC to force stations to give an ID on the half hour as well as on the hour. I know John Timm, WEZW Milwaukee, a WTFDA member, would oppose this. John recently told me that call letters are an anachronism, serving no more useful purpose than a car's license plate does. He defends syndicators in telling stations, when subscribing to their program packages, to use nonIDs in lieu of call letters. **More on my "Chinese Fire Drill":**

Betcha you're all wondering how I answered the attorney in the case involving Sino Radio Broadcasts Corp. v F. M. Atlas. Here is my reply, dated March 16, 1978, to Robert M. Atkinson, Atkinson, Mueller & Dean, 845 Third Ave., New York NY 10022:

"We disagree with your contention that the selling of FM-SCA adapter units is in civil and criminal violation of Section 605 of the Communications Act of 1934, as amended. In order for you to prevail, you would have to prove that anybody who possesses one of the SCA units we distribute is listening to the subcarrier of WRRV New York, that this listening is depriving your client's firm of revenue, and that, as sellers of the device, we are responsible for its proper use by the customer. As you can see from the enclosed article, no less an authority than David A. Landis, chief of the broadcast facilities division, Broadcast Bureau, Federal Communications Commission, mentions that the Justice Department will not prosecute alleged SCA violations because they have more important things to do. The only 'active role' the FCC has taken in curbing these 'violations' has been to forward a reprint of the old news release that you sent concerning Lafayette Radio's agreeing not to sell SCA-equipped FM stereo receivers. This has not precluded Lafayette from continuing to sell SCA adapter kits (see their 1977 catalog, No. 770). If selling SCA devices to the public were a civil or criminal offense, Lafayette would probably know better than any other firm, and would have ceased all SCA marketing. Several other firms, besides Lafayette Radio, engage in this not unlawful activity--many located right in the New York city area where you reside! The public has important first-amendment rights to hear any material which is freely receivable over the air, including SCA. Thus, the sale of public service band radios and scanners proliferates throughout the nation. Like SCA, these services are nonbroadcast and protected under Sec. 605 of the Communications Act. Virtually no laws prohibiting the use of radar detectors in vehicles have stood up in court to the scrutiny of the public's first amendment rights. It should be pointed out that the units we have sold were bought mainly by electronics hobbyists whose sole interest is experimentation. Further, we make no representation that the design is either intended or suitable for commercial purposes. We contend that you, therefore, have no right to suggest that we intend in any way to profit from illegal use of these devices, have in any way sought to do so, or should stop selling them for that reason. We are confident that our activities are legal, and regardless of the current interpretation of Sec. 605 of the Communications Act that the FCC places on private, in-home listening to SCA, we feel our viewpoint will be sustained. We demand that you cease your harassment of our innocent and lawful activity, which is being conducted with no intention of doing your client's firm any harm." And that's where the matter rests for now. I am still very much involved in promoting SCA listening among the public, and continue to offer SCA adapter units to WTFDA members, both kits and assembled (see ads, previous issues).

Glenn Hauser has some initial comments on the new FM Atlas: he objects to the omission of 10-watt stations from the frequency lists (as do some other readers). "Now you're starting to go the way of WRTVH, with arbitrary power cutoffs. Every single station no matter what the power should appear in all three methods of display." Clutter on maps--"you really have a thing for lakes. They're completely irrelevant to the scope of the book. . . single lines traced along the (complete) interstate highway system would be much more useful, for travelling users of the FMA to get an idea of the distance and direction of given stations from their route over unfamiliar territory. And only the I-highway system." Logos are OK, but more important would be much larger frequency headings; "some of the maps, e.g., pp. 50-51 seem to have been reproduced from xerox, severely hindering legibility, as they say in Japan." (Only the reductions were photoreduced, and some of the worst results came from using pre-gummed paper in the machine. Why do I shade Tulsa, but not OKC, "which is much larger"? I misspell DST--it's "saving, not savings"; Glenn prefers calling it "shifting" time because no time is really saved. Reduce the number of insets, and nonstandard chopping of states,

FCC-FM

such as Florida, California. I have a passion for having all maps face the same way, so as you use the book you do not have to tilt it at right-angles to see certain states. Only the map on p. 54 violates this. Is this not a justifiable goal? Glenn says "Especially enjoyed reading your Musings, which brought me up to date on a few developments I had missed, and for the most part I agree with the positions you advocate." Glenn, through Andy Robins, Kalamazoo MI, reports on "WDHF," an extra-legal FM station near Grand Rapids MI, using at least a 10-watt exciter. It is said to operate in the educational band on varying frequencies--89.1, 89.4, etc., with a remarkable signal and clear audio; gives the phone number 616-887-9997 on the air, which is in Sparta MI. Recently heard operating on a Monday 7:15-9 p. m. EST, but irregular, mostly in evenings; heard as far south as Weyland on the highway. No ads, but uses national public service announcements; r (top 40); done better than local commercial stations, and takes requests. Uses jingles of the old WDHF Chicago, with an 89 MHz frequency edited in; has been on and off for several years.

Former FM DXer Jim Hughes notes WCRM-WRNN-FM Clare MI still off the air; no idea when they'll be sold and resume broadcasting, he says. WZRD's chief engineer is the source of the item that WLWU 88.7 Chicago deleted. "This is the second time that they've done this. They originally had 88.3 that we are now on, back about 1970-71, and turned that CP in also. I wonder if they'll try for a third? WCYC 88.7 Chicago Boys Club station: transmitter is at 2801 S. Ridgeway Ave., Chicago. Their studios are at 304 W. Randolph, however." George Matyaszek, Chicago, says WVVX 103.1 Highland Park-Deerfield IL plays rock oldies 6-8:30 am and 9 pm-midnight, with much of the other time having gospel and ethnic programs. "This is one of the few, if not the only, station in the Chicago area that has this kind of format. Since nostalgia in music is my main interest, I listen to few other stations."

Canadian cable companies are cutting WBEN-FM's signal off the systems because it solicits ads in Canada; the development is not expected to cut significantly into WBEN-FM's audience in Canada.

In Ketchum ID is a cable radio station, "KRMR" 99.9, and heard weakly by Pete Taylor in Sun Valley on a portable. He also got KRSP and KSOP Salt Lake City (translators?) in the educational band; most likely this was cable leakage. John Timm got a chance to try out the new \$89.95 indoor "Beam Box" FM antenna and it worked so well in picking up DX and reducing multipath that he's decided to keep it. He recommends it to others. He sent along a review from the Dec. 1977 High Fidelity Trade News. John Ebeling sent along a list of stations omitted from the new FM Atlas: 93.7 WJOI Pittsburgh PA, 94.7 WQDR Raleigh NC, 95.3 WADI Corinth MS, 94.3 Aitkin MN misspelled. Two 111-foot FM towers will be constructed in May atop the 775' high IDS skyscraper in Minneapolis, which should soon boost the signals of five area FM stations, but some local architects are protesting the blight that this construction may cause. In CA, KFCF 88.1 Fresno serves as a relay for KPFA 94.1 Berkeley, much the same as KPFB 89.3 does. KFCF has applied for a power uppage. KIQQ 100.3 Los Angeles still has background music on SCA. "Contract runs till 20 Oct. 1984. We can hardly wait to get rid of it. So much multipath in this market," reports the new chief engineer of K-100, who is a long-time FM Atlas reader.

Two readers say the transmitter of WFYR 103.5 Chicago is really on the Sears Tower, not on the Prudential building. One thinks it is the auxiliary or alternate transmitter which is on Prudential, but that the main equipment continues to be on the Sears. Maybe some of you can call WFYR and find out which is true. WBPV *90.1 Charlton MA, Bay Path Vocational High School, hopes to be on the air with its 10 watts by now. Nick Lombardi sent along a listing of Dolby FM stations from the March '78 High Fidelity, with several previously-reported Dolby stations no longer carrying Dolby. I have not processed the information, which seems incomplete, based on a mail survey with not all stations responding. Readers, check on the nearby stations you have listed as Dolby and see if they still have Dolby or not, and give a report. On the FMaps I got WHOM's calls wrong. Mt. Washington NH 94.9 is not WMTQ any more!



THE MOUNT WASHINGTON STATION WHOM FM 95

ALPINE BROADCASTING CORPORATION · P.O. BOX 4040 · 638 CONGRESS STREET, PORTLAND, MAINE 04101 · 207/773-0209

Chris Hansen, who can tune in WRVR's SCA, says: "I can't imagine why Sino-Chinese is upset--from what you explained in your articles they don't really have a legal leg to stand on. They are a pretty small outfit, they've been going for 5-7 years. . . I suppose some technically-minded Chinese (there are many of them at Columbia Engineering school as well as at other colleges; and they work like the dickens) have been putting together their own adapters. . . Could be there is a black-market for adapters down in Chinatown." Tom Bird, Physicians Radio Network, tells me Sino is losing money, with both their New York and San Francisco operations, and will probably continue to fight me.

FCC-FM

The new KZEV 103.1 Clear Lake IA is said to be on the air, "KZ 103," with a "terrible" mkr, all mixed-together sound. Stereo.

The CRTC is allowing the continued existence of closed-circuit audio-only stations on Canadian cable systems until the matter is given more study. In the U. S., KVTX *91.7 Dallas is facing FCC charges that it carried commercials; also in the hearing will be charges that an unauthorized control of the station took place.

KZUM *89.5 Lincoln NE on the air with 10 watts. "Format geared to public access," with the schedule variable at this time. Studios are in the lower level of a food co-op store, says Neil Zank.

Two people objected to the shortened FMusings in the new Atlas, but comparing the last two editions, you'll find the same number of pages devoted to this. Probably they're complaining about the lack of coverage of the same topics in both editions. I try to vary the editorial content, and so far have largely avoided parroting the content from one edition to another. Even the maps appear on the same pages as previously, which saved some time in the production of the book.

South of Syracuse NY CKO-FM1 Ottawa has been giving WRLX 106.9 Auburn NY interference; this is probably due to the shape of the land with the finger lakes and the nearby valleys favoring N-S paths of reception. A minor SCA success: WIMI 99.7 Ironwood MI grants me permission to monitor their telemetry, sports service!

WAUS *90.7 Berrien Springs MI uses its SCA only for telemetry. "At present we do not have any further plans for the SCA, because of the financial cost of doing so. However, it would be neat to program religious music or specialized programming in the future on SCA." Amen!

Nick Lombardi sent a copy of Part III, "Antennas- Transmission Lines and Signal Distribution" from the March 1978 Audio, and it discusses filters to help get rid of local station overload, such as the Jerrold RFT-300 notch filter. That article was by M. J. Salvati. Rick Samford, Burnet TX, says: "In case you didn't keep up with them the final two installments of the Audio antenna series have now been published. I have the two Leonard Feldman antenna articles (as well as the lesser-known FM Antenna Tests by Charles D. Nelson, Ph.D. of the School of Engineering, California State University, Sacramento) and I have to conclude that this series of articles contains as much useful information for the average FM antenna purchaser as the aforementioned reports. In some aspects it is superior to these. The last two articles covered interference problems and overall antenna system design... With the increased use of CB radio since the older reports were published, it was quite proper that interference cures were covered. There's a tall beam about 250 ft. NW of my yagi but it doesn't cause much trouble in regard to my FM DXing; other people evidently aren't so lucky. Since everything in the hi-fi magazines originates in the FM-congested Northeast, these writers can't imagine consistent reception at 300+ miles, which is common in the less-crowded South during spring. I remember reading Feldman's audio column in Rolling Stone some three years ago (before I started taking this DX business seriously) when a reader in Lafayette LA wrote to ask why his outdoor antenna wouldn't pull in Houston FMs at 200 miles. Feldman implied that it would take some freak circumstances to obtain reception at that distance. Since Houston stations are received here with local quality on a regular basis during the warmer months (and KTDY 99.9 in Lafayette at 385 miles can do nearly as well with decent traps), it could be that Mr. Feldman underestimates the potential for long-distance FM with hi-fi quality. I really enjoyed reading a lot of the older articles in the 1-78 VUD, especially Robert Cooper's 'DXing Frustrations' which hit right home. I've already experienced the pain of preparing to tape a nonIDer only to have it fade out right at ID time. The distance records were also quite informative. I'm afraid that your 104.7 Tr record has bit the dust, as I've logged WRBQ in Tampa at around 980 miles. I have also exceeded the 91.5 Es and Tr records but I won't claim to hold any of these as the Statistics column is out of date.

Clarke Ingram, in an earlier letter, mentioned he'll have me install his SCA adapter for him at the convention, to be held in Louisville. I'll offer to do this for anybody, provided I have the time and the facilities. Whether Clarke gets to Louisville Our club finances are excellent, our club fills a real need among ANARC member clubs, and we deserve to continue, unitedly.

Contributors: W. Alpert, WHOM Portland ME; P. Doersma, Spring Lake MI; D. Crabtree, Lafayette NY; E.E. Conner, Lompoc CA; John Eheling, Bloomington MN; Rich Eddie, St. Louis MO; Ted Fleischaker, Louisville KY; Kent Frandsen, KSKI Hailey ID; Bill Grant, Worcester MA; Christian P. Hansen, Yonkers NY; Glenn Hauseg, Knoxville TN; Lyle Henry, Los Angeles CA; J. Hughes, Mt. Pleasant MI; Joel Hermann, Ames IA; C. Ingram, Pittsborough PA; John M. Jefferson, Concord CA; Larry Kenney, WZRD Chicago; Greg Leo, Lincolnshire IL; Jon Leonard, Jr., Walnut Creek CA; Nick Lombardi, Atlanta GA; G. Matyaszek, Chicago; George McClintock, Jr., Memphis TN; James H. Montgomery, Evansville IN; Rick Samford, Burnet TX; Peter Taylor, KFOG San Francisco CA; Bill Thompson, Buffalo NY; John H. Timm, WZZM Milwaukee; Art Vadio, Millville MI; David L. Walcutt, Houston TX; Paul Wardell, Portland OR; Larry Weil, N. Babylon NY; Kent A. Williams, Oak Ridge TN; Wayne Woodhams, WAUS Berrien Springs MI; Neil G. Zank, Lincoln NE.

History of CBC-TV

Reprinted from "A BRIEF HISTORY OF THE CBC", CBC PUBLIC RELATIONS

FOUNDATIONS

"It is coming, gentleman, and we should be prepared in dealing with this question of radio broadcasting, to keep the question of television well before us." This was Sir John Aird, speaking to the Parliamentary radio committee of 1932. It wasn't for another twenty years that regular television service was actually started in Canada, but when it did come, it was one of the fastest growing in the world in terms of coverage.

Television was first demonstrated in 1926, by John Logie Baird in England. In the next ten years there were experiments in several countries, including some in Canada as early as 1930. The CBC, from the time it was established, kept in touch with international developments. Britain started regular television service in 1936, France and Germany soon afterward, and the United States in 1939, but much of this progress was interrupted by the war.

After 1945, U.S. television began to expand very quickly, and in border areas there were many Canadians among the audience. Clearly Canadian interest in television was going to grow rapidly, and the CBC began active planning for a Canadian service. Engineering and technical studies were conducted at home, and observers were sent to Britain, Europe and the United States. The CBC prepared a tentative 15-year development plan to meet Canada's particular needs and conditions.

In March of 1949 the government announced an interim television policy. The newly-appointed Massey Commission (the Royal Commission on National Development in the Arts, Letters and Sciences) would later be recommending on television, but in the meantime the government felt that a start should be made, and that for a nation-wide and essentially Canadian service there would have to be "a large measure" of public ownership. The CBC was authorized to establish stations and production centres at Toronto and Montreal, and asked to provide

a basic program service for other stations that would follow, both public and private. Parliament approved a loan to the CBC, and work was started.

In 1951, the Massey Report endorsed the principles of the interim plan. The government's final policies, announced in 1952, provided for a general system much like the existing one in radio. There was to be a CBC-owned station and production centre in each of the main regions, with private stations elsewhere. All private stations were to be CBC affiliates, at least for the time being. And to avoid some of the radio problems of the 1920s, the government decided not to licence more than one station in any given area until there was coverage over most of the country.

THE FIRST STAGE

CBFT Montreal was opened on September 6, 1952, and CBLT Toronto two days later. To begin with, each station offered about 18 hours of programming a week, Toronto in English, and Montreal in both English and French until a second Montreal transmitter could be built. Programs were exchanged by television recording. Together the two stations could reach about 30 per cent of Canadian homes — more, in fact, than had TV sets.

By January 1953, programming had grown to 30 hours a week. A microwave link was completed between Toronto and Buffalo, making it possible to carry American programs "live". By May, there were microwave circuits joining Toronto, Montreal and Ottawa. CBOT in Ottawa, which also gave two-language service to start with, was opened on June 2, just in time to carry network coverage of the Coronation. The CBC had made television recordings of the BBC coverage in London, flown them to Goose Bay and then Montreal by RAF and RCAF jet, and put them on the air less than four hours after the end of the ceremony in London.

In the fall, with Canadian television just over a year old, the newly-licensed private stations began to come on the air, the first of them in Ontario. The microwave network began to spread out to meet them, and in the meantime the CBC enlarged its recording service to provide them with network programs. In December, the CBC opened its fourth station and the first in western Canada, CBUT Vancouver. In 1954, CBMT was opened in Montreal to provide English service, and CBFT became a full French outlet. CBWT was opened in Winnipeg, and CBHT in Halifax. The first Maritimes and prairie affiliates opened, and the first on the French network, in Quebec. By the end of its second year, CBC television was available to more than 60 per cent of the population, and the number of Canadian set owners had grown from less than 150 thousand to nearly a million.

In these first two years there were programming ventures in many different fields. National and regional news services were established. Farm programs were started, variety shows, sports coverage, women's and children's programs, public affairs and adult education projects, magazine and interview shows, religious programs and church services. There was a wide range of drama productions including the French network's popular *téléromans* or serials. One of these, *La Famille Plouffe*, was also produced in an English version, and at one point the Plouffes attracted more Canadian viewers than *Perry Como* — no mean achievement in the North American context. *L'Heure du concert*, also carried on both networks, offered serious music, opera and ballet. Experimental school telecasts were started, and one of them was awarded the CBC's first international television prize, in the Ohio competitions. Talent auditions were held across the country, and hundreds of new performers were introduced. An audience research department was established to carry out studies of its own and to keep in touch with international research on the impact of television.

Development continued year by year. CBOT was opened to give a full French service in Ottawa. New affiliates joined the networks, and microwave links were steadily extended. At a number of American bases in Newfoundland, the U.S. Air Force built television stations, and by agreement placed them under CBC management. Network hours grew to 100 a week on French and English networks together. In 1957-58, special programs like the Grey Cup football final, the Queen's first personal opening of the Canadian Parliament, national political conventions and federal election coverage attracted huge audiences for Canada — from four to eight million people.

In a number of ways, the year 1958 marked the end of the first major stage of Canadian television development.

On July 1, a special program was telecast to mark the opening of coast-to-coast microwave service. With microwave links completed from Victoria to Sydney, a distance of more than 4,000 miles, Canada had the longest television network in the world. The link with the province of Newfoundland, 70 miles across the Cabot Strait, was completed a year later.

In the 1958-59 season, there were more than 60 Canadian television stations in operation. Network service was available to 91 per cent of the population. The proportion of Canadian material in the CBC schedules had been kept consistently high — about 60 per cent on the English network, and as much as 75 per cent on the French. In the two languages together, CBC television was producing more live programming than any other network in the world. Since 1952, the development of national television service had cost about 170 million dollars in public funds. Over the same period, Canadians had spent nearly seven times that much to buy TV sets.

The Royal Commission on Broadcasting (the Fowler Commission), reporting in 1957, had recommended a number of changes in the general broadcasting system and in the television policies which the government had followed while basic service was being established. A new Broadcasting Act was passed in the summer of 1958 which created a new authority — the Board of Broadcast Governors — to regulate all Canadian broadcasting and to recommend on licensing. Responsibility for operating the national broadcasting service remained with the CBC.

ALTERNATIVE SERVICE

One of the main changes in Canadian television after this period was the introduction of alternative service to the CBC in a number of major cities. This came about when the early "single station" policy was dropped, and the BBG invited applications for second stations in Halifax, Montreal, Ottawa, Toronto, Winnipeg, Calgary, Edmonton and Vancouver. The CBC already had stations of its own in all but the Alberta cities. It applied for and was granted the Edmonton licence, and its former affiliate there was released. New private stations were licensed at the other points, and began to come on the air in 1960. Then BBG permission was given for a private network operation linking the independent stations, and the CTV Network opened in October 1961.



For the next several years the question of alternative service was rather unsettled. In 1963, a government freeze was placed on new applications for second stations. In 1964 a three-man advisory committee (the Fowler Committee) was appointed to recommend to the government on the future development of the broadcasting system. The Committee's report was presented in 1965, and was followed in 1966 by a government White Paper. The freeze on second stations was lifted provisionally in 1966, pending the enactment of new legislation. The 1968 Broadcasting Act gave licensing authority to a new regulatory body, the Canadian Radio-Television Commission, which announced plans to develop a national policy on the extension of alternative service, and called an early public hearing on the subject.

COLOR TV

Color television was introduced in Canada in 1966. It had been discussed much earlier but delayed for several years because the government, its advisers, and most of the broadcasters themselves felt that public interest was still too slight to justify the cost. Even in the United States, color seemed to be making slow progress. In 1965, with U.S. color production and set sales rising steadily, the Canadian government authorized color for Canada, to begin with overnight tests in July 1966, regular but still experimental programming from September 1966, and enforcement of technical standards from January 1967.

The CBC was given general authorization for a 15-million dollar first stage conversion, limited to color production facilities at Toronto, Montreal and Ottawa, some mobile equipment, and conversion of the main transmitters on both English and French networks. The CBC started its color programming with about 30 hours a week on the English network (a third of it CBC-produced and the rest from outside sources), and about 15 hours on the French network (most of it CBC-produced — there were few outside sources of color programming in French).

The first phase of CBC color conversion was complete by 1968. By the early 1970s most of CBC's programming was in color and in 1975 about 61 per cent of Canada's television households had color sets.

CENTENNIAL YEAR

The 100th anniversary of Canadian Confederation in 1967 involved the CBC in many special projects and activities. Program plans were started in 1964, when together with the Centennial Commission the CBC compiled a list of proposed Centennial events across the country — more than 6,000 in all. A Centennial Technical Centre

was established to co-ordinate broadcasting equipment and crews for special Centennial assignments from coast to coast. In 1967, some 1,500 hours of Centennial programming was broadcast on CBC radio and television, including national celebrations, local events, royal and state visits, and many special productions in drama, documentary, history, music and variety. New works were commissioned from Canadian composers and writers, special CBC recordings and publications were issued, and CBC sponsored a variety of public concerts, competitions and talent shows. At the request of the Canadian government, the CBC built and operated the 10-million dollar International Broadcasting Centre at Expo '67 in Montreal. During the six months of Expo, IBC radio and television facilities were used by broadcasters from all over the world, and were toured by a million Expo visitors. Also in 1967, the CBC acted as official broadcast agency for the two-week Pan-American Games in Winnipeg, covering the Games in all its own services and providing full facilities for foreign broadcasters.

SATELLITE TRANSMISSION

By the late 1960s, CBC television coverage was approaching the practical limits imposed by conventional methods of transmission. Through CBC and affiliated stations (more than 300 outlets in all), CBC television in 1970 was within reach of 96.6% of the population.

The Corporation looked toward a domestic space satellite system to make its coverage truly national. CBC engineers and planners began studies in this field in the early 1960s. Speaking of a CBC study on space communications first issued in 1961, the 1965 Fowler Report said: "It was a source of satisfaction to learn that CBC engineers are in the vanguard of those probing new forms of communication and making plans for their future use." In a presentation to the Science Secretariat of the Canadian government in September 1966, the CBC described in detail the type of satellite system it would like to see, as one potential user.

In 1966 and 1967 there were a number of commercial proposals for satellite systems, and special studies and reports were commissioned by the government. In March 1968 a government White Paper was published — "A Domestic Satellite Communication System for Canada". It proposed legislation to form a corporation, in which both government and private enterprise would participate to develop, own and operate a satellite system.

The Telesat Corporation (now Telesat Canada) was formed in 1969 and in 1970 a contract was awarded for construction of the world's first synchronous-orbit satellite used for domestic communications.

Anik-1, taking its name from the Inuktitut word for "brother", was launched in November, 1972, assuming a fixed position in space relative to the earth's surface which enables it to "see" Canada from coast to coast and from the 39th parallel to 80 degrees north. At the outset, CBC contracted for three of the satellite's 12 channels, each channel being capable of carrying one color video signal, two audio signals, and one cue and control circuit. Anik, and its network of 33 earth stations, provided the answers to many of the problems of serving the vast northland, and facilitated the streamlining of radio and television distribution throughout the country.

In the international use of satellites, CBC has both carried and participated in global satellite transmissions from the time of the first Teletar relay in 1962. Reception by international satellite has become a routine method of organizing coverage of major news and special events as they occur around the world.

NORTHERN TELEVISION

In a number of communities above the 60th parallel, television was first provided by means of specially designed Frontier Coverage Packages — local transmitters which carried delayed programs on videotape selected from the English television network's prime time. The first of these packages was installed at Yellowknife, Northwest Territories, in May, 1967, and by February, 1972, there were 14 FCPs in operation in the North.

From 1973, use of the Anik satellite enabled CBC to extend full television network service to communities formerly served by Frontier Coverage Packages. The Accelerated Coverage Plan, approved and funded by the federal government in 1974, provides for extending CBC radio and television services in English and French within five years to unserved communities of 500 population or more, including many northern locations.

Since the satellite provides a basic national network service, local and regional programming plays an increasingly important role in the lives of Northerners. Though not structured yet to produce its own programs, the Northern Television Service has carried a certain amount of specially-produced programming. Highlights of each day's programs are given daily in Inuktitut. *Tarqavut*, a 15-minute program of information, is broadcast in Inuktitut each week. During the Mackenzie Valley Pipeline Inquiry, beginning in March 1975, televised reports were made following the hearings, in English as well as in various native languages and dialects. A series of 15-minute Inuktitut-language documentaries produced by the Nunatsiakmiut (a native film workshop in Frobisher Bay) began telecast in January, 1976. The remainder of the northern television schedule for local and regional time periods consists of English and French regional exchange programs, syndicated programs, and films.

EXTENSION OF COVERAGE

The Accelerated Coverage Plan, a special project to bring CBC service as quickly as possible to unserved areas, was approved by the government in February 1974.

Under the plan, unserved or inadequately served communities of 500 people or more are to receive CBC service in the appropriate languages, English and/or French, within five years. More than 300 communities and some 600 installations are involved. When the plan is completed, at an estimated capital cost of \$50,000,000 in 1974 dollars, CBC radio and television will be available to 99 per cent of the Canadian population. The first operational transmitter installed under the ACP went on the air July 31, 1975 to serve La Ronge, a community of 2,000 in northern Saskatchewan.

CBLT/5 

The Northern Broadcasting Plan was formulated by the CBC in 1971. If approved by government, the plan would extend the national radio network service of the CBC to communities of 200 or more throughout the North. It would also provide for the improvement of programming and the development of new programs to meet the special needs of northern listeners. The plan encompasses the area served by the CBC Northern Service plus the northern parts of all the provinces except the Maritimes. It would take more than five years to be fully implemented.

INTERNATIONAL RELATIONS

CBC contacts with international broadcasters started when the first CBC radio office was established in London during the second world war. CBC offices or news bureaus are now maintained abroad in London, Paris, New York, Washington, Hong Kong and Moscow.

CBC participated in program exchanges and co-production arrangements with other countries, and is a founding member of the *Communauté des télévisions francophones*, the *Communauté radiophonique des programmes de langue française*, and the Commonwealth Broadcasting Association, formerly the Commonwealth Broadcasting Conference. CBC is an associate member of the European Broadcasting Union and the Asian Broadcasting Union. The Corporation is also involved in international liaison on technical matters affecting broadcasting, and participated in an international committee on the operation and use of communications satellites.

By arrangement with Canadian government departments and other agencies, the CBC provides training for visiting student broadcasters from other countries, and has given technical and planning assistance to a number of countries in the development of their broadcasting systems. CBC programs both English and French, have been sold in a wide range of markets and have won many awards in international competition. The CBC has acted as host broadcaster, supplying all services and facilities for world coverage, at major international events in Canada such as Expo '67 and the United Nations Habitat Conference in Vancouver in 1976.

OLYMPICS RADIO AND TELEVISION ORGANIZATION

The CBC was invited to act as host broadcaster for the 1976 Summer Olympics in Montreal by the Organizing Committee for the Games (COJO). A contract between CBC and COJO was signed in September 1974 and ratified in Vienna by the International Olympic Committee in October 1974. The contract also granted CBC the Canadian television rights to the Games.

A special division of the CBC, the Olympics Radio and Television Organization (ORTO) was set up in 1973 to plan and co-ordinate all aspects of the coverage to serve some 70 television and 100 radio organizations from around the world.

THE MYSTERIOUS RADIO SIGNAL OF EUGENE OREGON

During the month of March an unusual radio signal was reported being received in Eugene, Oregon. Marshall Van Ert, industrial hygienist at the University of Oregon in Eugene made measurements of the unknown signal on 4.75 mhz after people in one area of the city began to complain of disorders such as headaches and earaches.

The signal was reported to be pulsing 1,100 times a second and Van Ert reported they had estimated the power of the station to be 500,000 watts.

The Environmental Protection Agency was called in to determine if the signal could actually cause health problems. At first they believed the signal was the cause of a power-line disturbance but that was later ruled out.

Your editor started to feel the signal may have been one of the Russian Pulsers, well known to many Short-wave DXer.

The FCC reported the signal was from a military transmitter in California but Van Ert at the University of Oregon indicated he felt it was something else. The possibility of the signal being from Russia was never mentioned in any of the media.

For a few days people in Eugene and Portland were beginning to worry just what might be going on as the station was the number one news item on TV and in local newspapers. All were reporting that some "experts" felt there may be a grave danger to those in the signal area. Stories are now appearing nationwide not just on the Eugene signal but on the overall danger of being exposed to radio and TV signals. It has been rumored a group has now formed to force all stations off the air to "save humanity" from the so called dangerous signals.

The latest information from the EPA coincides with the FCC's findings, that the signal is from a very low powered military TTY transmitter in Dixon, California.

It was a good scare while it lasted!

Frank Aden, Jr.

OF INTEREST TO TRANS-ATLANTIC TV DXers

Ken Simon reports Keith Hamer has a converter for sale that takes the VHF band and up-converts it to UHF area, making continuous tuning of the European TV channels (will not work on sets equipped with detent tuners).

The unit sells for 27.96 pounds plus 3.50 pounds for airmail to US. Address is 7 Epping Close, Derby, England. Ken has indicated he has ordered the unit and will report on it later.

Keith also has the GUIDE TO WORLD-WIDE TELEVISION TEST CARDS and LONG-DISTANCE TELEVISION (by Roger Bunney) respectively for 1.75 pounds and 1.11 pounds, both post paid. Ken advises to use a international postal money order when sending for the items available from Keith Hamer.

QSL CORNER

Thomas J. Vingling, Jr.
724 Pinebrook Road
Baltimore, MD 21222
Phone: 410-301-282-5640
Deadline: 10th

TV-QSL

- ON CKNX 8 Wingham, Letter from Scott Reid, Dir of Eng, no return postage. Ross
CKCD 13 Kitchener, R64 King St.W., 425 1BR. Letter, unsigned, no return postage. Ross
AL WTVV 4 Dothan, P. O. Box 1089, 36301. Letter & map from Rebecca Leddenham, Promotional
Manager in 5 weeks. Lowery
CO KWGN 2 Denver, 550 Lincoln St, 80203. Letter from Lawrence Casteel, Promotional
Assistant. Lowery
KOA 4 Denver, 1044 Lincoln St. 80217. QSL Card & bumper sticker, no signer, long
wait for reply. (how long a wait? ed.) Shaffer
FL WJKS 17 Jacksonville, P. O. Box 17000, 32216. Letter from Ben F. Gamel, CE Lowery
WOPB 6 Orlando, P. O. Box 1833, 32802. Letter from Chalmers S. Stromberg, CE Vingling
WECA 27 Tallahassee, P. O. Box 10027, 32302. Letter & business card from Thomas Scanlan
General Manager. "Your letter is of particular importance to me because I, too,
am a DX fan..." Reply in 11 days. Lowery
WEDU 3 Tampa, 906 S. 20th St, 33605. Letter & program guide (same not used), reply in
one week from Oebra W. Hannel, CE Goodman
WEAR 3 Pensacola, P. O. Box 12278, 32581. QSL Card & coverage map (used same) in 2
months (vacation by Eng.) from H. L. Singletary, Eng Dept. "Overall interest
(in tv dx) seems less than it was 15 to 20 years ago." Goodman
GA WSB 2 Atlanta, 1601 W. Peachtree St. NE, 30309. Letter (used same) disconfirming a
tentative report. -- "We checked our 24-hr. recorder...and we did not run a
Chopper lawn mower commercial. We were copied on 6-5-77 in Hindsdale, NH..."
from Jim Barber, Eng Supv. Goodman
NC WRAL 5 Raleigh, Box 12000, 27605. Logo & letter from P.J. Ford, Manager of Eng Oper.
in a prompt 9 weeks!!! Sanford
WUNC 4 Chapel Hill, reply using a prepared post-card, unreadable signer from Dir of
Eng. of the UNC-Network, reply in less than 10 days. Simon
WUNG 58 Concord, reply using a prepared post-card, unreadable signer as above. Simon
WUNJ 39 Wilmington, reply as above 2, all came from address in Chapel Hill. Simon
NE KDUH 4 Hay Springs, Box 250, 69347. Friendly letter & map from A. A. Eberhardt, CE
in 12 days. Shaffer
NM KENW 3 Portales, N.W. University, 88130, Friendly letter sign by Laurence R. Ahlstrom,
Dir of Bdest Eng in 4 days. Shaffer
SC WCBD 2 Charleston, P. O. Box 879, 29402. Form letter signed by Walter M. Nelson, Dir
of Eng. with a bumper sticker. Lowery
WIS 10 Columbia, 1111 Bull St. P. O. Box 367, 29202. Short letter typed at bottom of
my letter from Carl M. Stephens, Program Manager. Lowery
WJWJ 16 Beaufort, P. O. Box 4516, 29902. Letter & station info sheets & SC ETV program
guide from John Bullington, Program Manager in only 3 days! Lowery
SD PRV 4 Pierre, Courthouse Plaza, 6th & Dakota St, Sioux Falls, SD 57102 % KSFV-TV A
Friendly letter & map from William Kading, CE in 3 days. Shaffer & Aden
KPLO 6 Reliance, Phillips Ave & 13th Sts. 57569. Confirmation letter signed by Darrel
House, CE answered in 15 days. Shaffer
KOTA 3 Rapid City, 6th & St. Joseph Sts, 57701. Reception report confirmation form,
with no signature. Reply in 21 days. Shaffer
TX KIII 3 Corpus Christi, P. O. Box 6669, 4750 S. Padre Is. Dr., 78411. ticket (?) from
Dale Taylor, CE used same. (I guess the ticket is a QSL Card, right? ed.) Goodman
WI WLUK 11 Green Bay, Box 7711, 54303. Confirmation letter signed by William A. Wriedt.
Shaffer
WEAU 13 Eau Claire, P. Box 47, 54702. Friendly note, said longest report was from
Spokane, WA (who? ed.) Signed by Bob Fallis, CE. Shaffer

Reporters this month are: Robert Ross of London, ONT; Greg Lowery of Cadwell, GA; Steven Shaffer of Hammond, IN; Robert Goodman of Cicero, IL; Rick Sanford of Burren, TX; Frank Aden of Bend, OR; Ken Simon, of W. Palm Beach, FL; & Tom Vingling, Baltimore, MD ed. This was an all tv month as you can see. I got a few new reporters too. I would like to thank all the members who voted for Baltimore on the ballot in last month VUD. Don Blevins, Gary Mullis & I was surprized just how many did vote for us. I guess we will take another shot at hosting the convention in Baltimore next year in 1979. 73's and thanks again to everybody. Tom

IN

SEARCH OF PSB

Donald L. Blevins
407 Langley Road
Baltimore, MD 21221
#1-301-574-2714

In search of PSB is a column dedicated to the exchange of information about PSB DXing. This month: IN SEARCH OF THE QSL

The QSL from the public safety agency is not at all difficult to obtain with a little effort. A prepared card with blank for signature and a brief letter explaining your purpose in obtaining your QSL is all that's needed along with, of course, your report. The report need not be long, as one or two items is all that's necessary as illustrated below:

1845...Culpeper 1192....10-50 29 & Chain Bridge Road... 10-4 KIC 367

Culpeper is the base station for the Virginia State Police at Culpeper. KIC 367 is of course the call sign...all that's necessary is to report your item to your agency, which should be addressed to the communications department of the agency you are reporting.

Such an item is generally logged, sometimes in more than one log: i. e. telephone log, radio traffic log, incident log, or tape recordings.

In the event a report is written on the subject, such is easy to confirm since a number would have to be assigned to identify the report.

SAMPLE QSL

This verifies reception of KIC 367

The Virginia State Police

Operating on a frequency of 42.86 MHz

From a location of Culpeper, Virginia

Date: 4-1-78

Time: 1845 hours

This I type on a 3 X 5 card, double spaced, with return postage enclosed.

Contrary to what many believe, public safety officials generally do respond to reports of reception, as this is in keeping with good public relations. Keep in mind that this is a new field of DX, and you are dealing with personnel that, for the most part, are unfamiliar with the hobby.

The return percentage of reports is excellent with very few departments failing to respond, with the problem lying in unfamiliarity with the hobby along with a small percentage of indifference.

Make your letter clear that you are only interested in verification of the stations signals and not in verification of crimes or incidents related to your broadcast interception.

I am open for any questions in regard to QSL's, having myself accumulated about 210 from across the country. I would appreciate hearing from you regarding your area. Until nexttime...73's and good DX!!!

Over and out.....

Don
LON



VHF UTILITY DX

Pat Dyer
5315 Silvertip Drive
San Antonio, TX 78228
Deadline: 5th of month

MAY 1978

Neil Dickerson, 426 State Street, Sharptown, MD 21861 Patrolman PRO-1

2-25:	3-2:
1315 KPC42 33.98 Camino, CA-sf	1342 KLS860 42.34 Elk Valley, CA-sp
2-26:	1343 KMF966 39.94 Meadow Lks, CA-cp
1310 KOT54 33.98 Sacramento, CA-sf	1345 KMD520 42.34 S. Maria, CA-sp
1312 KOT77 33.98 Redding, CA-sf	1349 KCY564 42.88 Petaluma, CA-sp
1313 KPC47 33.98 El Centro, CA-sf	1350 KME311 42.34 Palmdale, CA-sp
1450 KRB521 39.60 Altadena, CA-cp	1352 KOB642 44.66 Douglas, AZ-p
1453 " 39.72 " " "	1356 KIZ236 42.34 Breckenridge, CO-sp
1454 KMA628 39.14 Los Angeles, CA-cp	1400 KCX980 42.34 S Bernardino, CA-sp
1500 KME585 39.48 Los Angeles, CA-p	1405 KBT579 42.34 S Diego, CA-sp
1506 KRB519 39.32 Lakewood, CA-cp	1408 KOH695 42.54 King Hill, ID-p
1507 KET216 39.10 Norco, CA-sp	1411 KMD934 42.34 El Centro, CA-sp
1515 KSL862 39.36 Marin City, CA-cp	1415 KMJ214 42.34 Laguna Bch, CA-sp
1522 KMA539 39.46 San Leandro, CA-cp	1421 KMG997 42.50 Williams, CA-sp
1538 KSU409 33.44 Mt. Baldy, CA-cf	1423 KJW447 42.34 Riverton, CA-sp
1600 KOB683 33.98 Klamath Falls, OR-cf	1428 KAL318 42.46 Delta, CO-p
3-1:	1436 KLL582 42.94 Carson City, NV-p
1800 KFD671 33.90 Seattle, WA-f	1453 KRB411 42.88 Los Angeles, CA-sp
1802 KOA748 33.90 Seattle, WA-f	1500 KMB521 42.34 Ventura, CA-sp
3-2:	KMH277 42.34 Kern City, CA-sp
1200 KBG526 39.10 S.L. Obispo, CA-sp	1510 KIZ348 42.34 Monter Park, CA-sp
1210 KME585 39.90	1512 KMD364 42.34 Madera, CA-sp
1220 KME239 42.34 Grass Valley, CA-sp	1513 KME318 42.34 Willits, CA-sp
1221 KOB202 42.88 Government Camp, OR-p	1520 KTP937 39.48 Norwalk, CA-cp
1340 KAZ883 42.34 S.L. Obispo, CA-sp	1522 KML503 39.10 Chino, CA-sp

50-MHz news -- Mar 3, 0300 Z, JA5CMO (Japan) to CE3OK (Chile)...
 Mar 19 - ZS3AK (SW Africa) to SV1AB (Greece, having to xmit on 28 MHz)...
 South Africa also hearing French beacon (FK3VHF) now on 50.104. It will
 be aimed to Central America again for the Ea season. Also noted Gibraltar
 beacon on 50.150. S African beacon ZS6PW on 50.032, aimed north...
 Numerous Hawaii to Japan, South America, Australia, and Fiji openings...
 Jamaica beacon, 6Y5RC, on 50.025... Daily/nitely Central to S America...
 XE1GE (Mexico) got 50.750 New Zealand TV audio again Mar 4 at 1900 Z...

WA7RTA (Oregon) reported 46 MHz into GA on March 2
 W5KHT (Oklahoma) had February MUF's to Africa as high as 42 MHz

Tom Yingling, Jr., 221 Pinewood Road, Baltimore, MD 21222 Bearcat 210 &
 "Big Stick" Shakespeare antenna; EST used

3-3:	3-4:
1036 - 35.46 L.A., CA-mp	to KJU806 35.58 Oxnard, CA-tpvi
1040 - 35.38 " " "	1400 KGA807 35.58 Bal., MD-tp
1102 - 35.34 Larose, LA-mp	KFL943 35.58 Las Vegas, NV-tpvi
1152 KFD671 33.90 Seattle, WA-f	KOA796 35.58 Portland, OR-tp
1300 KMJ301 33.94 L.A., CA-f	3-5:
1310 - 35.26 Bellingham, WA-mp	1350 - 35.38/.46 L.A., CA-mp
1330 - 35.26 Seattle, WA-mp	1420 - 35.38 Fresno, CA-mp
- 35.26 Langley, WA-mp	- 35.38 Modesto, CA-mp
1340 - 35.26 Portland, OR-mp	1430 KJU806 35.58
1500 KDZ358 37.14 L.A., CA-p	1445 KFL943 35.58
1510 KMF287 37.36 L.A., CA-cp	1500 KMJ301 33.94
- 35.38 S. Diego, CA-mp	KSU411 33.64 S. Bernardino, CA-cf
3-4:	(mp-mobile phone; tp-tone pager; tpvi-tp with voice ID)
1112 - 32.96/.82 Span. pager	
1300 - 35.46/.38 L.A., CA-mp	
1330 KMD349 35.58 Bakersfield, CA-tp	

-cont-

<u>3-6:</u> 1746 - 35.46 Oakland, CA-mp	<u>3-19:</u> 1407 35.38 L.A., CA-mp
1755 - 35.46 S Francisco, CA-mp	<u>3-20:</u> 1808 KSU400 33.64 Arrowbear, CA- also 33.44 cf
<u>3-7:</u> 1649 - 35.38 S Diego, CA-mp	<u>3-21:</u> 1600 KUA300 35.22 Goleta, CA-tp
1756 KOT63 33.64 Sanger, CA-sf	1614 KEA860 35.22 NY, NY-tp
<u>3-12:</u> 1104 KIY760 35.22 Columbia, SC-vp	1620 KEC935 35.58 Newark, NJ-tp
1242 KGI769 35.22 Seyfert, PA-vp	1630 KMD349 35.58
<u>3-13:</u> 1548 - 35.38 L.A., CA-mp	1705 KGA806 35.58 Wash., DC-tp (vp-voice pager)
1550 - 35.46 S Diego, CA-mp	<u>addenda:</u>
1610 KJU806 35.58	<u>3-3:</u> 1100 KMD349
<u>3-14:</u> 1518 - 35.38 L.A., CA-mp	<u>3-5:</u> 1443 KMD349
33.44 Spanish pager	1450 KSU412 33.64 Strawberry Peak, CA-cf
<u>3-16:</u> 1625 32.82 "	
<u>3-17:</u> 1430 32.82/.96, 34.85, 39.64, 40.00, 40.46 Sp. pagers	
33.76 Sp.-f	

Donald L. Blevins, 407 Langley Road, Baltimore, MD 21221 Bearcat 210, A/S Tri-Band, A/S 1/4-wave groundplane

3-4: 1440 KMD349 35.58 Bakersfield, CA (pager)
3-8: 1734 KOA237 39.18 Springlerville, AZ (sheriff)
 1803 KMA628 39.14 L.A., CA (sheriff)
 1806 KOA776 39.18 Kingman, AZ (county animal control)

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

<u>6-26:</u> 2048 KBV962 42.38 Spooner, WI-sp	2049 KSA535 42.38 Greenfield, WI-sp
2050 KSD244 42.38 Chilton, WI-sp	
<u>3-4:</u> 2053-2140 - 35.-- L.A., CA-mp	2103-2115 - 35.-- unID Spanish
<u>14:</u> 2012 KKD599 35.-- Willis, TX	2019-2022 - 35.38 Modesto, CA-mp
2025-2117 35.-- L.A., CA-mp	2030-2110 unID Sp 34-35
<u>15:</u> 1811-1820 33 Argentina ?	1825-2030 unID Sp 32 to 35.5
<u>16:</u> 1839-2145 unID Sp 33	
<u>17:</u> 1945-2115 unID Sp 31.5 - 39 (39 2002-2051)	
1956, 1958 35.-- LA, CA-mp's	
<u>18:</u> 1925, 1926 35.-- " "	1939-1941 - 35.-- S Diego, CA-mp

Al H. Ellis, 19 McClure Avenue, Brantford, Ontario, Canada N3R 4L7 GMT

<u>1:</u> 1600-1800 32.82 pager	<u>3-22:</u> 2200 - 35.46 L.A., CA-mp
<u>2:</u> 1600-1800 35.46/.38 LA, CA-mp	<u>24:</u> - 32 rtty/fax all day
35.38 S Diego, CA-mp	1800 31.18 Cuba ? (pager)
<u>25:</u> - 30.18 German lang bcst (ha ?)	

Rick Stein, 456 Barrymore Place, North Brunswick, NJ 08902 Regency Touch Hustler Discone antenna, EST

2-28: 1026-1830/ unIDs 30-31 TX; 1049 43.025 Spanish
 Sp's 39-43
3-1: 0920-1830 unIDs 30-31 TX; Sp's 40 40.46 peak
 KJA348 31.84 Chesterville, TX
 KRH213 31.16 Waco, TX
2: 1035-1204 unIDs 30-31 1053, 41.32 peak
3: 1000 "
4: 1748 KJA348 6: prior 1200 KJA348
7: 1030-1238 unIDs 30-31 8: 0926-1640 unIDs 30-31
9: 1100, " " "

Need help on lots of calls on 30.70.

My loggings. Hallicrafters SX-62; Hammarlund SP-600-JX-10; 2 30' wires at 12', ne-sw & nw-se runs; 50-MHz on Swan 250 - Ameco nuvistor preamp; 5-el CushCraft horiz Yagi @ 23'; F2 mode unless noted (b-backscatter, e-ES); daily MUF peaks noted; new underlined; GMT used

3-2:

1700 KCA410 33.92 Wareham, MA-f
 KCA585 33.90 Plymouth, MA-f
 1745 KOK418 35.46 (nw)-mp
 1746 KOP303 35.46 Langley, WA-mp
 1749 - 35.26 Bend, OR-mp
 1804 KOB238 37.48 (see addenda)
 1808 KPN501 37.18 Salem, OR-lg
 1832 KUA288 35.22 Portland, OR-tp
 1944 39.82 US nw
 2010 44.70
 2208 - 35.26 Bellingham, WA-mp
 2216 KSV810 33.08 Portland, OR-ho
 2223 - 35.26 Seattle, WA-mp
 2234 KOA796 35.22 Portland, OR-tp
 2320 KLF527 35.22 Honolulu, HI-tp

3-3:

1700 KCA695 33.78 Manchester, NH-f
 1708 6WW 33.90 Senegal, Africa-hac
 1716 KCD244 33.70 Falmouth, MA-f
 1758 CWA 33.74 Uruguay-hac
 1759 KJR354 33.90 Seattle, WA-f
 1800 KUA288 35.22
 1954 KSV810 33.08
 2001 KCD415 33.86 Bar Mills, ME-f
KCD511 33.70 Camden, ME-f
 2140 45.12
 2343 KLF527 35.22

3-4:

2130 36.76
 2300 KCD511
 2310 KCD246 33.58 Yarmouth, MA-f

3-5:

2025 37.000
 2050 KOP303 35.46

3-6:

1810 R Can 35.52 Sackville, NB-ha
 1839 hi-35 Maine
 1856 KLF527 35.22
 2016 45.85
 2259 KCD511

3-7:

1621 CWA 33.74
 1649 KCE579 33.54 Keene, NH-f
 KCE358 33.54 Shelburne, MA-cf
 1653 KCD346 33.90 Tolland, CT-f
 1700 KCA410 33.9-
 1701 KCC988 33.78 Rutland, VT-f
KQY588 33.84 Cohoes, NY-f
KCG964 33.76 Terryville, CT-f
 1808 WCC 33.86 S Chatham, MA-hac
 1910 45.27
 2010 KSV810 33.08
 2015 47.62 (b?)

3-8:

0044 KLF527 35.22
 2058 KLF527 35.22
 2203 - 35.26 Portland, OR-mp
 2210 KOK418 35.46
 2214 KCC266 35.58 Springfield, MA-vp
 2231 37.94 US

3-8:

2242 KOB238 37.48
 2243 45.26
 2259 KJY884 33.96 W Chester, PA-cf
 2301 KGC522 33.78 Georgetown, DE-sf
 2302 KCD244 33.70
 2303 KBZ283 33.90 Orford, NH-rf
 2316 KOA796 35.58
 2317 KCE579 33.78
 2319 KCG491 33.60 Wallingford, CT-f
 KCB951 33.70 Wells Beach, ME-f
 2320 KCD346 33.90
 2325 KCG249 33.70 Southbury, CT-
 KRP942 33.48 Kingston, NY-f
 2328 KCE527 33.70 Woodbury, CT-f
 2329 KCC825 33.70 Kennebunk, ME-f
 KCD492 33.86 Dennis, MA-f
 2330 KCI233 33.66 Watertown, CT-f
 KCN689 33.5- Norfolk, MA-f
 KDB457 33.80 Vernon, CT-f
 2331 KCD271 33.96 Harwich, MA-f
 KCH209 33.96 Waterford, CT-f
 KCB217 33.96 Niantic, CT-f
 2335 KCD454 33.96 Hyannis, MA-f
 KCC960 33.72 Bloomfield, CT-f
 2340 KCD556 33.66 Orleans, MA-f
 KOP313 35.46
 2342 KFS 34.05 Palo Alto, CA-hac
 2344 WCC 33.86
 2359 KOM942 33.98 Chiloquin, OR-f

3-9:

1430 low-35 US
 1459 KDC288 33.90 Hollis, NH-f
 1500 KBZ283 33.90
 1501 KCA695 33.78
 1659 KCD492 33.86
 KCD497 33.64 Buzzards Bay, MA-f
 KCE288 33.76 W Tisbury, MA-cf
 1705 45.26
 2000 47.85 (b?)
 2215 KLF527 35.22

3-10:

1657 KIB278 33.84 Plymouth, NH-f
 1658 low-35 US
 1659 KCH954 33.70 N Brandford, CT-f
 1700 KCB526 33.70 Kennebunkport, ME-f
 KCA695 33.78
 KCE681 33.70 Rockland, ME-f
 1702 KQY885 33.84
 1705 KCE288 33.76
 1706 KCG491 33.60 Wallingford, CT-f
 1707 KCD574 33.70 Eastham, MA-f
 1708 KCF569 33.78 Tolland, CT-sf
 1720 47.98 (b?)
 1733 45.12
 2259 WYFR 30.27 Scituate, MA-ha

3-11:

2000 46.15
 2130 KBZ283 33.90
 2131 KDC288 33.90
3-12: 1630 31/ US

3-13:

1859 KDA383 33.90 Milford, NH-f
 1900 KDC288 33.90
 KBZ283 33.90
 1901 KCC907 33.70 Blue Hill, ME-f
 1905 44.70
 2025 KLF527

3-14:

1725 41.52
 1800 KLS489 33.04 Worcester, MA-ho
 1807 KCF574 33.70 Mashpee, MA-f
 KCD594 33.70 Chatham, MA-f
 KCB781 33.70 Barnstable, MA-cf
 KCD845 33.70 Brewster, MA-f
 KCD574 33.70 Eastham, MA-f
 KCD454 33.70 Hyannis, MA-df
 1851 CWA 33.74
 1852 KRB627 33.84 Colonie, NY-f
 1853 KBH354 33.90 Rkville Ctr, NY-f
 1855 low-35 US
 1853 KCA585 33.90
 1854 KCD346 33.80
 1900 KCA378 33.82 New Haven, CT-f
 1909 KCA695 33.78
 2252 KLF527

3-15:

1700 CWA 33.74
 1920 41.62
 1940 low-33 US
 2351 KLF527

3-16:

1949 45.27
 low-33 US
 2025 47.58 (b?)

3-17:

1605 31/ US
 1855 48.70

3-18:

0128 KLF527 35.22
 1855 32 US
 2015 44.18
 2200 KLF527 35.22

3-19:

1859 KDC288 33.90
 KBZ283 33.90
 1910 KCB404 33.82 Ashburnham, MA-f
 1917 KCF246 33.90 Marshfield, MA-f
 2119 KLF527

3-20:

0220-0330 50-MHz Es-link-F2 bs
 CA(s), AZ, TX(n)

1845 32 US
 1950 45.27
 2308 KLF527 35.22

3-21:

1740 31/ US
 1745 41.62

3-22:

2015 44.75
 2230 KCA695
 2235 KCF903 33.90 Middleboro, MA-f
 KCA633 33.90 " " "
 2242 KCU288 33.62 Leicester, MA-f
 2243 KCD904 33.90 " " "
 2245 KCD497 33.64

3-22:

2253 KCF308 33.66 N Reading, MA-f
 2254 KCE681 33.70

3-23:

0145 KLF527 35.22
 1555 47.60
 1659 KEG776 33.82 Edison, NJ-f
 KCJ825 33.94 Bedminster, NJ-f
 1700 KEH513 33.86 Waldwick, NJ-f
 KCG694 33.76
 1703 KCH209 33.96
 1708 KEA860 35.22 NY, NY-tp
 1717 hi-35 US ne
 1828 KCD472 33.94 Windsor Locks, CT-f
 1831 KCE518 33.86 Shelton, CT-f
 1835 KOP303 35.46
 KUA288 35.22
 1837 KOP303 35.62
 1846 KOA796

3-24:

1640 low-35 US
 1659 KDA383 33.90
 KCD497 33.64
 1702 KCB781 33.70
 1712 KCB979 33.90 Norwich, CT-f
 1714 KCD454 33.9-
 1733 41.62
 2248 KOA796 (b)
 2300 KCC785 Ogunquit, ME-f

3-25:

1930 41.62

3-26:

1610 BBC 30.80 Ascension Island-ha
 1716 KEM734 33.94 Canton, CT-vf
 1746 KCB281 33.90 Bridgewater, MA-f
 1815 45.12

3-27:

1815 WB5WKJ 50.1/ OK City, OK (b)
 1820 50.13

3-28:

1758 KCA585 33.90
 1759 KDA383 33.90
 1800 KCC838 33.90 Groton, CT-f
 1805 KCL224 33.86 Limerick, ME-f
 1920 W5TIH 50.1/ nr Dallas, TX(b)
 1950 WA5UUD 50.1/ Marrero, LA(b)
 2005 49.98

3-29:

1900 32 US
 1955 50.13

3-30:

1930 50.093

3-31:

2117 49.68

4-1:

1700 37.34

4-2:

2120 45.25
 2350 31/ US

4-3:

0000 KGL708 30.94 NY, NY-transit
 0005 OK Cy 35.58 OK City, OK-vp (b)
 0019 KFL936 35.58 Phoenix, AZ-tp(b)
 2146 LU3EX 50.11 Buenos Aires, Argen.
 2207 LULDAU 50.1- " " "
 2212 LUSBP 50.1- " " "

4-4:	4-5:
1755 45.24	2300 KCB951 33.70
1920 KOP303 35.46	KCD471 33.70 Wells,ME-f
1923 KMD349 35.58 Bakersfield,CA-tp(e)	2305 KCD594 33.62
1927 - 35.38 L.A.,CA-mp(e)	2320 KCD598 33.54 Athol,MA-f
KUA288 35.22	2330 KCE750 33.54 Turners,MA-f
1937 KSV810 33.08	2331 KCN689 33.54
2305 40.68 tent Australia-tp	2337 KUA288 35.22
2328 OK Cy 35.58 (b)	2346 - 35.26 Eugene,OR-mp
4-5:	2354 - 35.26 Seattle,WA-mp
1825 CE4CP 50.1- Talca,Chile	2358 KSV810 33.08
1905 CE4ME 50.1- " "	2359 KLF527 35.22
2300 KCC785 33.70	

addenda:

1-11:	3-1:
1750 KEX905 37.58 Roseburg,OR(p&l)	1901 KCA322 37.54 Millinocket,ME(he)
1800 KOA390 37.58 Medford,OR(p&l)	1915 KCA321 37.54
1833 KOB238 37.48 Seattle,WA(l)	KCA346 37.54
2-27:	3-2:
1918 KGA310 37.54 Veazie,ME(he)	1804 KOB238 37.48
2-28:	3-8:
1740 KCA321 37.54 Lincoln,ME(he)	2242 KOB238 37.48
1950 KCD664 37.62 Holbrook,MA(gas)	3-26:
2008 KCA346 37.54 Ellsworth,ME(he)	1725 low-35 US
3-1:	(p&l - power and light; l - light;
1805 KCC405 37.54 Bangor,ME(he)	he-hydroelectric)

f-fire (c-county, d-district, r-region, s-state, v-volunteer);
 mp-mobile phone; lg-local government; tp-tone pager; ho-hospital;
 ha-harmonic (hac-c.w. ha); vp-voice pager

 Latest predictions on solar cycle 21 have it with a smoothed peak of just over 150 in late 1979 and early 1980. That's about triple the level some gave a short time ago. That may just be enough for 50-MHz trans-Atlantic MUF's on F2. Some 80 major geomagnetic storms are likely in the next 10 years.

Bill Grant, 67 Brattle St., Worcester, MA 01606 2nd harmonics on R390A & longwire; GMT used

3-3:	1335	30.30	Antigua(DW)	3-11:	1550	30.61	Morocco(VOA)
4:	1315	"	"			30.87	France
5:	1600	30.14	G.Britain(BBC)		1553	30.97	Russia
	1602	30.41	Morocco?(VOA)		1810	30.21	Ascen.Is.(BBC)
	1608	30.36	G.Br.(BBC)		1812	30.29	Portugal(RFE)
	1610	30.87	France		1815	30.68	Cuba
	1628	30.94	USSR	12:	1250	30.21	Ascen.Is.(BBC)
	1655	30.68	Cuba		1253	30.25	Portugal
	1700	30.21	Ascen.Is.(BBC)		1255	30.30	Antigua(DW)
		30.52	" " "		1310	30.98	Ascen.Is.(BBC)
	1705	30.49	?(BBC)		1410	30.43	Portugal(RFE)
	1720	30.29	Portugal(RFE)		1412	30.80	Ascen.Is.(BBC)
	1722	30.54	G.Br.?(BBC)		1500	30.37	USSR
11:	1215	30.37	Antigua(DW)		1505	30.77	Italy
	1300	30.30	" "		1507	30.94	USSR
	1315	30.98	Ascen.Is.(BBC)		1605	30.23	Ecuador(HCJB)
	1325	30.21	" " "		1615	30.71	Portugal(RFE)
	1330	30.50	Morocco?(VOA)		2010	30.84	Antigua(BBC)
	1340	30.80	Ascen.Is.(BBC)	18:	1315	30.98	Ascen.Is.(BBC)
	1400	30.71	Portugal(RFE)			30.30	Antigua(DW)
	1410	30.72	Morocco	19:	1555	30.21	Ascen.Is.(BBC)
	1420	30.23	Ecuador(HCJB)		1600	30.80	" " "
	1440	30.25	Portugal	22:	2200	30.278	" " "

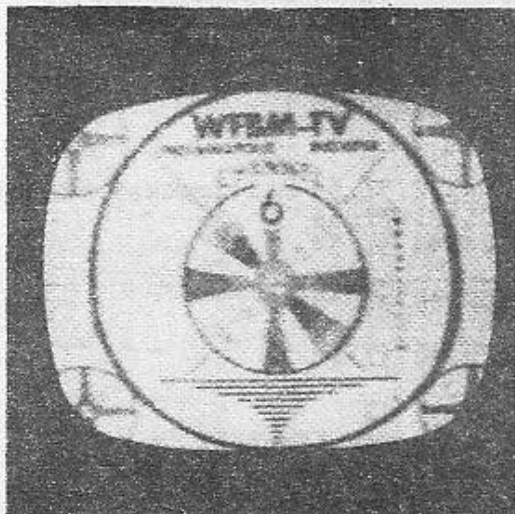
MEMORABILIA

Robert J. Williams
251 6th Avenue East
Twin Falls, Idaho 83301
Phone: (208) 733-3621
Deadline: 5th of Month

May 1978

"MORE MEMORABLE DX PHOTOS"

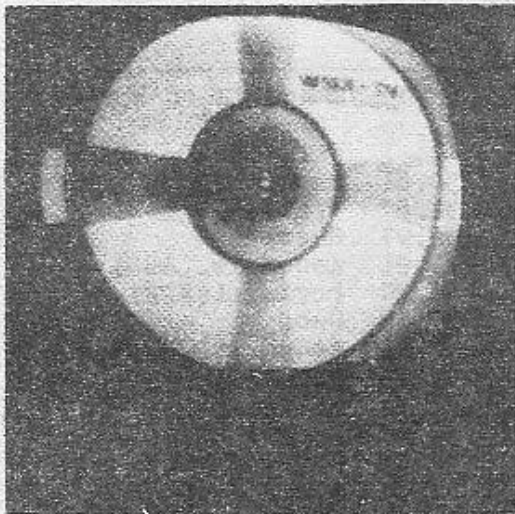
Photos courtesy of Bill Draeb of Kewaunee WI:



WFBM-6 Indianapolis IN
320 mi. tropo now WRTV 6



KRNT-8 Des Moines IA
371 mi. tropo now KCCI 8



WSIX-8 Nashville TN
585 mi. tropo now WNGE 2
(Ch. 8 now occupied by WDCM (ETV))



WOOD-8 Grand Rapids MI
155 mi. tropo now WOTV 8

Well, that's it for another "nostalgia trip", guys. 73s, gud DX,

Bob

May, 1978

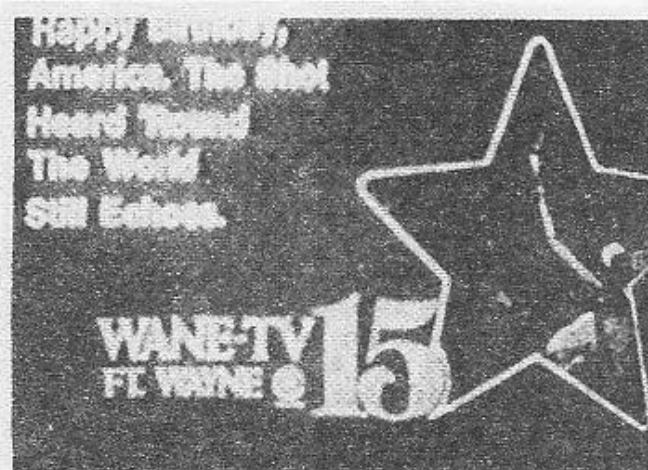
This month, PHOTO-NEWS presents another column of TV-DX, including another look at a TV station from Puerto Rico. This is the sixth consecutive column of TV-DX -- an accurate indication of the amount of material other than TV-DX photos which has been submitted. Your editor would like to emphasize such items as photos of DXers and their equipment, but cannot do so when few or none are sent in. Unlike TV-DX, your system, "shack," and self are always around to be photographed. Send in a print of each, (along with a description of the equipment shown) soon! Now to this month's photos:



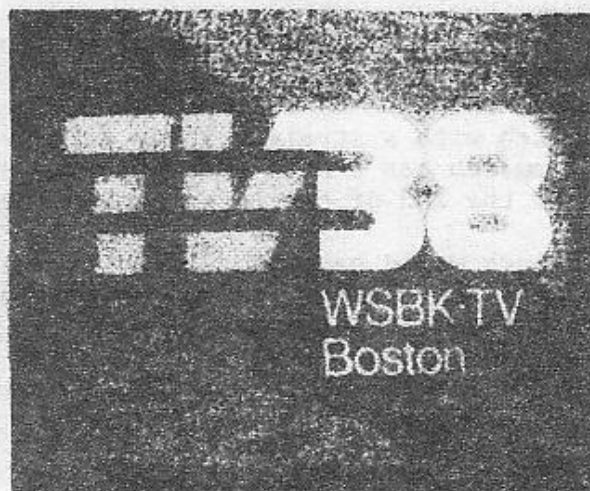
WIPR- 6 San Juan, Puerto Rico
E-skip (Simon)



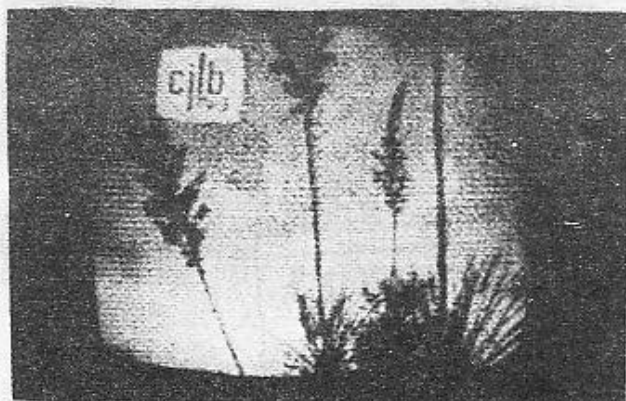
KXAS- 5 Fort Worth, TX
1,000 mile E-skip (Gaines)



WANE-15 Fort Wayne, IN
340 mile tropo (Traska)



WSBK-38 Boston, MA
360 mile tropo (Yingling)



CJFB- 5 Swift Current, SK
E-skip (Pizzi)

Contributors:

Ken Simon, West Palm Beach FL
Paul Gaines, Detroit MI
Paul D. Traska, Buffalo NY
Tom Yingling, Baltimore MD
Jim Pizzi, Orcutt CA

73 and good DX,

Jim

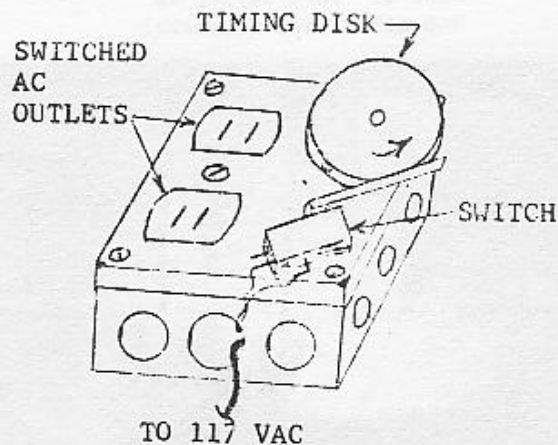
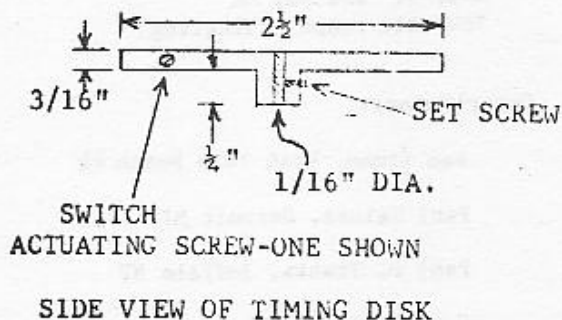
Back in January of 1977, Peter Sawatzky had an article in the VUD describing a method for the purpose of DXing meteor bursts (scatter). That construction article, heavily dependent upon digital electronics, was very well done and if I had a source for the required 1 PPS (pulse/second) timing requirement, I would have built the unit. Unfortunately, my digital clock (as do most) uses a clock chip which does not provide the means of deriving the required 1 PPS output. Since I desired to have some type of automated unit to use during the annual August Perseid meteor shower activity, I thought a bit and started rummaging through the 25 year old assortment of various items collectively known as the proverbial "junk box".

One of the basic meteor burst reception requirements is the ability to activate an unattended tape recorder and tuner during high probability times of station identification (i.e. every quarter hour). This is the easiest way to DX meteor bursts, as most of us (at least we older fellows) need our sleep at night and become very bored just sitting and waiting for MB activity. Not too many times in my almost 30 years of DXing have I been lucky enough to be on an open frequency at the proper time to catch a meteor burst ID.

The old faithful junk box provided a small 117 VAC motor, about the size of a clock motor, with a 1 RPH (revolution per hour) rating and a shaft length of about $\frac{1}{2}$ inch. As most of you are aware, turning things on and off using a motor and various mechanical devices to activate switches is certainly not new. My problem then became that of finding a suitable switch to use and how best to activate the switch. Last, but not least, was how to mount everything as a finished unit.

I decided on controlling the AC line voltage as the means of turning my tape recorder and tuner on and off. This was the easiest way as I would not have to modify any recorder or tuner. A miniature snap switch with a straight lever actuator was selected for use. This type of switch has a nice smooth action and the travel distance required near the end of the lever to actuate the switch is not great.

As luck would have it, I also came across a round, solid aluminum disk with a set-screw already installed for attaching to the motor shaft. What to use on the periphery of the disk to activate the switch? The model shop where I work drilled and tapped holes in the edge so I could insert some 2-56 x $\frac{1}{2}$ round head screws. The heads of these screws provide enough of a "bump" to activate the switch when the switch is properly positioned.



UNIT ASSEMBLY SKETCH

In my unit, four screws are used, each spaced 90° apart, to turn on the equipment each quarter hour. The on time (and consequently off time) is somewhat adjustable by changing the mounting angle of the switch which varies the angle of contact between the actuating lever and the screws on the rotating disk. I have mine set for an on time of 5 minutes each quarter hour.

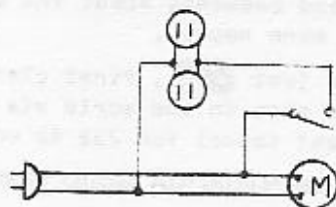
Now that all parts were available and I knew how it would work, how should I mount everything? I decided on using a 2-gang electrical box (4" square, 2-1/8" deep) and associated 1/2" raised surface mount cover with a duplex outlet mounted in one half to provide two switched AC outlets. The motor is mounted in the other half of the box, below the cover, shaft up, and the rotating timing disk is exposed on top. The lever switch is also top mounted to a slotted metal plate to allow the necessary repositioning of the switch to change the duty cycle. Of course, a power cord is run through a knock-out in the electrical box, terminated internally to a tie lug strip which serves as a base for the minor internal wiring required.

Some general notes concerning the timing unit. A SPDT snap switch with a relatively long (1 1/2 to 1-3/4 in.) straight lever works best. (Cherry # E2350HX or similar). As the switch is top mounted, the AC terminals are exposed and should be suitably insulated.

The timing disk will almost certainly have to be made; therefore the dimensions of mine are given as a guide (see diag.). I have 8 tapped holes, each 45° apart which allows me to change the cycle time by simply adding or removing screws. The outside diameter (edge) of the disk must be smooth as it is in continual contact with the switch lever. The motor I used is similar to a Synchron # I12RC(1 RPH).

While MS DXing, I use two tuners, each connected to a different antenna, and each fed to one channel of my stereo recorder. The tuners are set to FM mono. Signals are recorded at 1-7/8 IPS, say for a 6 hour period. Playback is done at 7 1/2 IPS-whenver I hear something other than noise I stop the tape, back up a bit and change speed to 1-7/8 & play it back. This way, I am able to compress 6 hours of DXing (20 min./hr. "on" time) into a little more than 1 1/2 hours of actual time spent on playback. After use, I find it most convenient to pull the MS unit power plug just as it cycles on. That way it is easy to establish the time frame for use next time around-no waiting for cycle time to see where you are.

John Ebeling
9209 Vincent Ave. So.
Bloomington, MN 55431
612-888-0816



SCHEMATIC

OEPBS eyes July as satellite hookup target date

OREGONIAN JOURNAL, March 10, 1978
submitted by Bill Elock

By ARNOLD MARKS
Entertainment Editor

A base for OEPBS' satellite receiving antenna has been poured on the state-owned SE McLoughlin site with the 30-foot disc to be erected next.

Target date for OEPBS satellite reception is July, estimates William McGrath, the Oregon network's director of development.

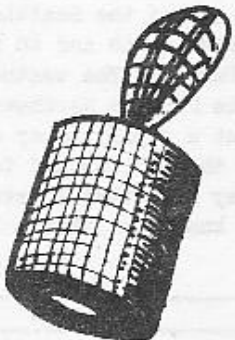
The satellite system is part of public television's \$58 million program which includes 300 ground stations, 20 "up-links" as well as control equipment.

"Up-links" are stations capable of sending programs to the satellite. The West Coast station is to be located either in San Francisco or Los Angeles, McGrath said.

When the OEPBS network joins the system, the satellite signal, received from Western Union's Westar I communications satellite, will be beamed to the master control station at KOAP Studio (2828 SW Front Ave.) by microwave.

A disc will be located on the top of a water tower on the Oregon Liquor Control Commission warehouse site.

The Corporation for Public Broadcasting is financing the major portion of the new system which will make network transmission far less costly than cur-



WESTAR I

rent land lines and improve signal reception. Total cost is \$58 million with public television affiliates splitting about \$10 million of the total cost, McGrath explained.

This amounts to about \$15,000 for OEPBS, he estimated.

In addition to television, public-radio will receive satellite transmission. This will permit live musical performance in stereo and high fidelity, he pointed out.

Engineers handling the radio portion of the new satellite transmission system are expected in Portland this month to locate a receiving site — possibly adjacent to the SW Front Ave. building. KOAP-AM and KOAP-FM will move facilities into the building this summer.

ADVANTAGES NUMEROUS — When KOAP-TV and other OEPBS network stations go on the line, the land line or terrestrial service will be eliminated. Satellite transmission is much less expensive, McGrath points out.

In addition, satellite transmission is "distance insensitive." A signal sent from Washington, D.C., to Los Angeles by satellite has no less quality than one sent from Washington to Richmond, Va., advised a Public Broadcasting Service spokesman. Westar I's "footprint" blankets the U.S. and Canada.

When OEPBS gets into operation, two channels will be used and another two will be added later, says McGrath.

This multi-channel system will provide more programming flexibility, he points out. OEPBS might air one program on KOAP (Ch.10) and another on KOAC (Ch.7) and record others for KVDO (Ch.3) or others for delayed telecasting.

Naturally, OEPBS is interested in cheaper transmission costs and audio and video quality improvements.

NEW ORLEANS STATION ENTUSED — One of the first public television stations on the line nearly a month ago was WYES-TV, New Orleans.

Bill Hart, president and general manager of the nation's oldest non-commercial television station, says the event marks WYES-TV's 21st anniversary year.

WYES, funded by the New Orleans community, airs PBS programs to viewers in metropolitan New Orleans, in southeastern Louisiana and the Mississippi Gulf coast.

In a telephone chat, it was pointed out that WYES engineers find marked picture and audio improvements. Monitors show sharper, clearer pictures. Color is improved. Most noticeable to the viewer — particularly those music lovers — is the better sound quality, absence of flat tones, clearer and more dynamic audio altogether.

Unfortunately, this may be most noticeable on station monitors and technical equipment, but may not always be the case when the signal reaches the living room set.

For one thing, engineers advise that set technology has lagged behind. Then, too, not all home sets are new, properly adjusted or equipped with proper antenna.

Nevertheless, transmission of television and radio by satellite is expected to usher in a new era in program distribution.

Solar flare

On April 11th the largest solar flare in four years was detected by NOAA satellites. A resulting magnetic storm was expected to start the 13th. The chances of AU and AU induced Es are a high possibility with these conditions.

Although it is too early to tell what possible effects may occur a major AU opening was seen in the Pacific Northwest the 10th. If the opening was related to the flare it can be expected to see some good AU reports in the June WUD.

NOAA classified the flare as an X-2. The X class indicates greatest energy release but flares as high as X-5 have been recorded.



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YOUR News



ATLANTIC TELEVISION
SYSTEM



WESTERN TV-DX

Bill Block
9307 S.E. Clay St.
Portland, OR 97216
(503) 256-2354
Deadline: 5th

May 1978

Since this is my first Western TV DX column I will introduce myself to you. I am 31 years old and I have been DXing since the age of 13. I have spent most of my time DXing BCB but the last 3 years I have spent a good share of my time on TV DX. I do some FM DXing but, my main interest is TV DX. My receivers are: Sony KV-2141 and a old GE 17" BW portable. My antennas are: 11 element windgard high band, 10 element windgard low band on a CDE AR-40 at about 35 feet.

DX around here has been from poor to fantastic the last few weeks. on March 26 we had our best tropo DX that I have seen from Portland. All of the Seattle stations were in like if they were local! And then I turned the antenna south and in came Eugene and Medford stations. I also saw KIEM-3 from Eureka, California! The weather at the time was warm with a big high pressure system over all of the Pacific Northwest.

Before I go on to my one report if any one has sent a report to my old address (133 S.E. 31st) you had better send me a new report as the P.O. is not forwarding mail to my new address. I have called the P.O. and they said that I have not received any mail and that any mail will be forwarded to me. I know that that a lot of mail has been lost somewhere. And now on to the one report.

Pat Martin, Post Office Box 14192, Portland, OR 97214

We had the best tropo opening I have ever heard or seen in Portland on March 26. I was getting San Francisco FM on 101.3 and 98.1 and Sacramento FM on 102.5 plus several other Unid stations. During a lot of the skip was on the phone to Bill Block wasn't it great? (It sure was! BB) Neither one of us could believe it.

Receiver: 1962 Black and White 23 Philco. Antennas: Lafayette FM antenna for Low band, 6 element home brew High band, 5 element Windgard channel 3, 51 element UHF Yagi, 11 element Windgard FM. Recorders: Sony VTR (Betamax)

December 1977

12 tr 1923 CKVU? 21 BC 250mi
14 tr 0030 KNDO? 23 WA 150mi
0033 KIMA? 29 WA 150mi
0035 CBUFT 26 BC 250mi

Station in French and very weak!

2245 ???? 18 ??

Unid translator of KOAC or KOAP. In good for 15 min.

February 1978

14 ms 2042 KNME? 5 NM 1100mi
Unid public station one hour ahead of PST.

18 Es 2042 KTVK 3 AZ 1000mi
0829 KVOA 4 AZ 1000mi
0830 KPHO 5 AZ 1000mi

March 1978

26 tr 0230 CHAN 8 BC 250mi

0235 KVOS 12 WA 225mi

1030 KOBI 5 OR 200mi

1040 KTVL 10 OR 200mi

1042 KCEY 11 OR 175mi

1158 KIEM 3 CA 340mi

1201 KPIC 4 OR 160mi

1041 KRCR? 7 CA 340mi

Unid station tearing KIRO

KOAC not on yet.

1043 KXIE? 9 CA 340mi

Unid station mixing with

KCTS/KEZI.

1051 KEET? 13 CA 340mi

Unid public station running

same program as KCTS-9 and

was offset from KCTS

Well that should do it for this time..... Good DX

Bill Block, 9307 S.E. Clay St., Portland, OR 97216

This last fall I bought a house so now I have lots of room to put up a good antenna system. This fall I hope to put up a good UHF antenna system. And now on to DX:

February 1978

18 Es 0830 KVOA 4 AZ 1000mi
0900 KTVK 3 AZ 1000mi
0930 KPHO 5 AZ 1000mi

March 1978

26 tr 0830 All of the Seattle area stations were in like they were local!

1030 KEZI 9 OR 100mi

I hope to receive more report for the June issue! See you all in one month.

26 tr 1031 KVAL 13 OR 100mi

1045 KOEI 5 OR 200mi

1046 KCEY 11 OR 175mi

1130 KIEM 3 CA 340mi

Comedy movie checks with TV Guide.

Also seen by Pat Martin. By far my best tropo catch at 340 miles most of which are over mountains.

EASTERN TV-DX

Bill Thompson
1907 Seneca Street
Buffalo, NY 14210

May 1978

Deadline: 5th

Some notable ducting took place in the Midwest and Great Lakes regions March 9th thru 12th, and in the April 1st thru 4th period, plenty of tropo over both the Gulf and Atlantic coastal paths was observed in Florida. Very little Es activity has been noted so far this year, but the season is upon us.

Robert Kramer 409 Mae Smith STU Carbondale, Illinois 62901 (CST)

<u>March</u>	9 Tr 2250	WTHR-13 IN	12 Tr 1745	Chicago U's
9 Tr 2330	WICD-15 IL	WTHI-10 IL		unID-27
	WUSI-16 IL	"under Carbon-		South Bend U's
	WAND-17 IL	dale xltr"	<u>April</u>	
	WICS-20 IL	2255 WMBD-31 IL	4 Tr 2300	KRCG-13 MO
	WSJV-28 IN 310	WNIT-34 IN 305		KTSB-27 KS 325
	KDNL-30 MO	2257 WHMB-40 IN	2330	KHMA-41 MO 300
	WBAK-38 IN	2304 WSBT-22 IN 305	2350	unID-36
	WHMB-46 IN 305	WDHO-24 OH 475	2352	KCBJ-17 MO
	WTVF-47 IL	WLF1-18 IN	5	0025 KBTB-7 NE 450
2240	WEEK-25 IL	2345 WISH-8 IN		0040 KMBC-9 MO 300
	WCIU-26 IL 310	KOMU-8 MO		0118 KCCI-8 IA 425
	WFLD-32 IL 310 10	0018 WRAU-19 IL		0121 KOLN-10 NE 455
	WCFC-38 IL 310	0025 WFLB-14 IN		0700 KCCI-8 IA 425
	WSNS-44 IL 310	0058 unID-43		WHO-13 IA 425

"At present I am not a WIFDA member, this is due to monetary reasons. Hopefully I will join within the next month. My main location is in Chicago, where I use a Sony TV-131, an Archer V-125 VHF-FM antenna, and two Radio Shack 4 bay bowtie UHF antennas that are hooked together, producing an 8 bay...I plan on adding a UHF booster to my setup soon. My Carbondale setup consists of the Sony TV, using the rod VHF antenna, and a Radio Shack indoor 2 bay bowtie for UHF...Carbondale appears to be a great TV DX location, with 500 mile reception on indoor antennas quite common."

John F. Combs 2485 Ivan Ct. Orlando, Florida 32807 (EST)

<u>March</u>	1 Tr 0705	WIVD-11 NC? T	3 Tr 2348	WGNO-26 LA 534
23 Tr 0712	WNOK-19 SC 392	0708 WIS-10 SC 387	2352	WIS-10 SC 387
	0759 WRDU-28 NC 523	0709 WJPM-33 SC 408	4	0057 WYEA-38 GA 341
	0801 WRET-36 NC 465	WRDU-28 NC 523		0540 WCBD-2 SC 309
	0803 WJPM-33 SC 408	0711 WRJA-27 SC 373		WCIV-4 SC 309
	0804 WRJA-27 SC 373	0736 WOLO-25 SC 380		0541 WRDW-12 SC 337
	0805 WCCB-18 NC 465	0808 WFSU-11 FL 230		0542 WATU-26 SC 337
	WEBA-14 SC 320 3	0735 WRDW-12 SC? T		0547 WCCB-18 NC 465
	WJWJ-16 SC 290	2327 "ALL SC UHF		0548 WRDU-28 NC 523
	0806 WRLK-35 SC 385	ETVs: 14, 16,		0549 WSAV-3 GA 242
	0816 WOLO-25 SC 380	27, 29, 33, 35"		0550 WTCG-17 GA 398
	0822 WNSC-30 SC	WDHN-18 AL 301		0555 WRET-36 NC 465
	Rock Hill 400+	WCCB-18 NC 465		WCWB-41 GA 318
		WNOK-19 SC 392		0558+ "All SC UHF
<u>April</u>	1 Tr 0648	WOLO-25 SC 380		ETVs (s/on)"
	WCBD-2 SC	2328 WRET-36 NC 465		0603 WANX-46 GA 403
	Charleston 309	2330 WRET-33 LA 603		0606 WIS-10 SC 387
	0650 WEBA-14 SC 320	2331 unID-12 Ø WTLV		0610 WBTW-13 SC 408
	WNOK-19 SC 392	2334 WGIQ-43 AL 329		0627 W33AA-33 FL 191
	WRDW-12 SC? T	2339 WATU-26 SC? T		0629 WCSC-5 SC 309
	0657 WJWJ-16 SC 290	2342 WLPB-27 LA 603		0728 "WCBD CCI so bad
	0701 WCSC-5 SC 309	2343 WYES-12 LA 525		WESH-2 makes on-air
	0703 WITV-7 SC 309	WALA-10 AL 415		apology for 'co-
	0704 WRLK-35 SC 385	2345 WSRE-23 FL? T		channel interference"

"January & February had no real DX to speak of. Another lousy January for Es this year--noted CCI on 3 dates, but no IDs. Early March saw the 'death' of my 9-inch portable. There are two other sets in the house, and if conditions appear promising, I hook up the Sears 17-inch b&w. Tropo again rolls into Orlando with the kind of frequency that was 'normal' a couple of years ago. Two new ones, including the long sought WCBD-2. After 7½ years, I finally log it the 'hard' way--through my local. Three days later I caught their TP before the local signed on--life is weird!...as of April 4 WCCB-18 still has ABC... WNSC-30 was seen only testing w/ID slide & tone. I haven't seen them run regular SCETV programming yet. One unusual note about the April 3 opening--first time I've had strong signals up both coasts--Atlantic and Gulf--in the same opening. And nothing in-between (i.e., over land). Good DX to all."

William J. Draeb Ellis St. R.R.#2 Kewaunee, Wisconsin 54216 (EST)

"A little tropo activity during the past month but not much. For the sake of brevity I will eliminate the days on which I saw only the 'usual stuff' as it was in almost every day. Here are the high points of the month:"

<u>March</u>	12 Tr 1900	KTIN-21 IA 365	30 Tr 0600	WYUR-48 AL? T
9 Tr 0724	KTSE-27 KS 560	1927 KMTC-27 MO 589	0642	W49AA-49 IL 325
	WKYT-27 KY 473	1944 WUSI-16 IL 402	0645	WVUT-22 IN 405
	KSIN-27 IA 463	1946 KCBJ-17 MO 450		"very strong"
	KHIN-36 IA 457	2112 WKMA-35 KY 499		WFIE-14 IN 420
	KYNE-26 NE 481	2129 WKYT-27 KY 473	0651	KDNL-30 MO 432
	KMEG-14 IA 463	0600 WLKY-32 KY 437	0719	WKYT-27 KY 473
	KTIN-21 IA 365	30 WDRB-41 KY 437	0733	WTIU-30 IL 376
	KENE-29 NE 617	WEHT-25 IN 420	<u>April</u>	
2109	WUTV-29 NY 445	WBNT-19 AL 685	2 MS	0615 WCBS-2 NY 740
12	1900 KDNL-30 MO 432	WAAY-31 AL 685		

"No sign yet of ch 26 in Green Bay. They were supposed to have come on in mid-January. '73's for now & gud DX."

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

<u>November</u>	23 Tr 2115	WPGH-53 PA	9 Tr 1245	WNIT-34 IN
28 Es 1730	WBAR-3 FL	<u>February</u>	1820	WBAO-49 OH
30 Tr 0045	WNDU-16 IN	8 Tr 1700	1855	WSBT-22 IN
	WUHQ-41 MI	1707	1940	WKAR-23 MI
	0107 WCPC-38 IL	10 0010	2010	WIGS-20 IL
	0130 WILX-10 MI	1803	2155	WBGU-57 OH
	WNEK-5 MI	12 1635	2215	W39AA-39 IN
	0200 WOTV-8 MI	1636	2340	WIPB-49 IN
<u>December</u>	13 1804	WKAR-23 MI	10 0120	WOTV-8 MI
3 Es 1750	KARD-3 KS	14 1600	0121	WJAC-6 PA
14 MS 0355	WCCO-4 MN	2041		WTAJ-10 PA
15 Tr 2115	WHMB-40 IN	2345	0130	WENS-10 OH
	2117 WIPB-49 IN	16 1230		WTRF-7 WV
	2133 WKMR-38 KY	WHP-21 PA	0155	WJLA-7 DC
16 1305	WUHQ-41 MI	WTPA-27 PA		Washington
	WKAR-23 MI	1250	0925	WOUB-20 OH
	1307 CBLFT9-68 ON	1255		WOSU-34 OH
	2030 WBGU-57 OH	1257	0937	WTAP-15 WV
18 2028	WUHQ-41 MI	18 1538		WOUC-44 OH
19 2150	WUHQ-41 MI	20 1650	0940	WKMR-38 KY
	2158 WKAR-23 MI	25 2345		WPBO-42 OH
		27 1120	0957	unID-29
<u>January</u>		WTAP-29 PA	1045	WVU-24 WV
4 Tr 2300	CBLFT9-68 ON	"WUTV off"	1535	WDCA-20 DC
5 1000	WDCA-20 DC	1130	1615	WNJS-23 NJ
13 2020	WKBS-48 PA	8 Tr 1259		WKBS-48 PA
17 0011	WMHT-17 NY	9 1000	12 2105	WOSU-34 OH
	0058	W63AB-63 PA	2127	W47AB-47 OH
18 1720	CBLFT9-68 ON	1014		Mansfield
	1804	WANE-15 PA		(WOSU-34 xltr)
19 0015	WHP-21 PA	1015	13 0040	WOSU-34 OH
	WTPA-27 PA	WFPT-55 IN	0900	W64AB-64 PA
	0025	Ft Wayne	0907	WUHQ-41 MI
	W63AB-63 PA	WKJG-33 IN	0920	WOSU-34 OH
	0945	1016	1000	CBLFT9-68 ON
	WVU-24 WV	WICS-20 IL	1035	WKAR-23 MI
	"audio thru WJET"	1230	2000	WKAR-23 MI
23 1320	WDCA-20 DC	WSBT-22 IN		
	1321	"thru CKGN22"		
	1629	1245		
	WBAO-49 OH	WNDU-16 IN		
		WHMB-46 IN		
		"thru xltr W46AB"		

Robert S. Ross, VE3JFC Box 4373, Station C London, Ontario (BST)

<u>March</u>	9 Tr 1829	WUTV-29 NY	9 Tr 2356	unID-53
9 Tr 0143	CFTO-9 ON	1830	10 0000	WSKG-46 NY
	1815	unID-32 French	0023	WBEN-4 NY
	1820	1835	0123	WJKW-8 OH
	WAKR-23 OH	1839		
	1825	WOSU-34 OH		
	WNED-17 NY	1845		
		WGR-2 NY		

"Managed to catch a few good tropo openings with my rabbit ears and small UHF loop up here on the 13th floor. Hope the Es starts rolling soon; I can hardly wait. '73."

southern fm-dx

Danny Buntin
1020 S. Duncan
Stillwater, OK 74074
Deadline: 8th

MAY 1978

THE FM SOUTH WILL RISE AGAIN. . . .GET IN THE HABIT OF REPORTING.

After a long winter's absence this column is finally ready to get back on its feet in time for a new dx season. With your help by reporting we can restore this column to its former glory in the coming months. Since I'm confident I can meet my own deadline still, I have moved the deadline for reporting up to the 8th. This move should help insure as much up to date information in this column as possible. All old reports from last summer onward are welcome, but do get them in as soon as possible. Meantime we'll catch up for lost time with a few member's reports below. Hopefully most rest of the catching up will be completed in next month's column.

AS A REMINDER THIS COLUMN IS FOR REPORTERS FROM: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, MS, NC, NM, NV, OK, SC, TN, TX, UT, VA, & WV.

Rick Samford, 404 S. McNeil, Burnet, TX 78611

Equipment: Kenwood KR-5400rx, 10-element Archer FM with Belden #8230 T-line, and Alliance U-100 rotor. Antenna 24' AGL

10-28

Es 1205 WGER 102.5 MI Bay City
1209 WFYC 104.9 MI Alma
1217 WOWO 104.5 MI Grand Rapids
1222 WMLW 101.3 MI Grand Rapids
1225 WEAT 100.5 IL Jacksonville
1230 WLOO 100.3 IL Chicago
1232 WFMT 98.7 IL Chicago
1235 WXRT 93.1 IL Chicago
1238 WNIU 89.5 IL DeKalb
1240 WCBU 89.9 IL Peoria
1242 WNAM 92.9 MI Cadillac
1247 WZUU 95.7 WI Milwaukee

10-30

tr 1100 XHJD 98.9 NL Monterrey, 365 mi.

11-6

tr 2014 XHPJ 106.9 NL Monterrey, 365
2030 XHJD 98.9 NL Monterrey, 365
2358 KWOE 106.9 OK Clinton, 325

11-7

tr 0005 KOFM 104.1 OK Oklahoma City, 325
0808 KFNE 95.3 TX Big Spring, 215

11-15

tr 2201 XHRL 98.1 NL Monterrey, 365
2258 XHSRO 92.5 NL Monterrey, 365
2303 XHJD 98.9 NL Monterrey, 365
2332 XHRE 105.5 COA Piedras Negras, 200

11-16

tr 0904 KWOE 106.9 OK Clinton, 325
0920 KOFM 104.1 OK Oklahoma City, 325

11-19

tr 0911 KLBK 94.5 TX Lubbock, 290
0917 KLLL 96.3 TX Lubbock, 290
0925 KFNE 95.3 TX Big Spring, 215
0933 KOYL 97.9 TX Odessa, 255
0959 KQIP 96.9 TX Odessa, 255
2246 KRMD 101.1 LA Shreveport, 290
2301 XHJD 98.9 NL Monterrey, 365
2352 KKTX 95.9 TX Kilgore, 225

11-20

tr 0047 KTAL 98.1 TX Texarkana, 305
0104 KSFA 92.1 TX Nacogdoches, 220

11-22

gw 2238 KOOV 103.1 TX Copperas Cove, 30 new station on air, \$, K, & ABC E net.

11-23

tr 0025 XHNK 99.3 TAM Nuevo Laredo, 240, KLTG off air
0029 XHJD 98.9 NL Monterrey, 365
0043 KRLG 98.1 OK Lawton, 260
0048 KLAN 101.5 OK Lawton, 260
0051 KOFM 104.1 OK Oklahoma City, 325
0100 KFJL 98.9 OK Oklahoma City, 325
2308 XHSRO 92.5 NL Monterrey, 365
2331 XHRE 105.5 COA Piedras Negras

11-26

tr 2158 KDUV 100.3 TX Brownsville, 340

12-3

tr 0001 XHJD 98.9 NL Monterrey, 365
0932 KLAZ 98.5 AR Little Rock, 445
0944 KEZQ 94.1 AR Little Rock, 445
0959 KMAG 99.1 AR Fort Smith, 385
1009 KKYK 103.7 AR Little Rock, 445
2009 WAFB 98.1 LA Baton Rouge, 435
2019 WFMP 102.5 LA Baton Rouge, 435
2020 KGRA 103.7 LA Lake Charles, 310
2057 WYNK 101.5 LA Baton Rouge, 435
2100 KTDY 99.9 LA Lafayette, 385
2110 WKYV 106.7 MS Vicksburg, 460
2114 WOXY 100.7 LA Baton Rouge, 435
2131 WPCS 89.3 FL Pensacola, 665
after this I killed over 2 hrs. with UHF and probably had WBBH-20 at 1050 mil plus a few others under 600 mi.

12-4

tr 0016 WRBQ 104.7 FL Tampa, 985
0027 WVL 101.9 LA New Orleans, 500
0100 WFSU 91.5 FL Tallahassee, 840
0105 WEZB 97.1 LA New Orleans, 500
0111 KIEL 95.1 TX Beaumont, 250
0143 WKMK 106.7 AL Enterprise, 745
0159 WXEL 105.3 LA Slidell, 520
1034 KOPY 92.1 TX Alice, 205
over semi-local KNBT, at this time tropo good only into Rio Grande Valley.

12-7

tr 2146 XHQO 93.3 NL Monterrey, 365
2249 XHSRO 92.5 NL Monterrey, 365
2347 KTEZ 101.1 TX Lubbock, 290

12-11

tr 2051 KLBK 94.5 TX Lubbock, 290
2058 KWGO 99.5 TX "
2147 KLLL 96.3 TX
2212 KTEZ 101.1 TX

12-15

tr 2029 WAFB 98.1 LA Baton Rouge, 435
2158 KTDY 99.9 LA Lafayette, 385
2200 KPAC 98.5 TX Port Arthur, 260
2201 KLCL 99.5 LA Lake Charles, 310
2205 WFMP 102.5 LA Baton Rouge, 435
2221 WYNK 101.5 LA "
2241 KOKI 95.3 LA Bayou Vista, 435
2244 KVVP 105.5 LA Leesville, 300
2258 KGRA 103.7 LA Lake Charles, 310
2300 KSLI 96.9 LA Alexandria, 355
2318 KNOE 101.9 LA Monroe, 385
2348 WLIN 95.5 MS Jackson, 500
2352 WJMI 99.7 MS Jackson, 500
2359 WQNZ 95.1 MS Natchez, 420

cont.

12-16

tr 0011 WZZO 102.9 MS Jackson, 500
 0016 KROF 104.9 LA Abbeville, 380
 0028 WKYI 94.7 MS Jackson, 500
 0753 WBHM 90.3 AL Birmingham, 705
 0759 WDYH 89.7 TN Chattanooga, 820
 0819 KNTU 88.5 TX Denton, 180, 440 wts. ERP
 0905 WKYV 106.7 MS Vicksburg, 460
 0913 KTAL 98.1 TX Texarkana, 305
 0930 XHJD 98.9 NL Monterrey, 365

12-18

tr 2130 WAFB 98.1 La Baton Rouge, 435
 2133 WYNK 101.5 LA Baton Rouge, 435
 2203 KOFY 92.1 TX Alice, 205
 2221 WPMF 102.5 LA Baton Rouge, 435
 2231 WEZB 97.1 LA New Orleans, 500

12-19

tr 0000 WXEL 105.3 LA Slidell, LA, 520
 0101 KVLU 91.3 TX Beaumont, 250
 0801 XHJD 98.9 NL Monterrey, 365
 0832 KTAL 98.1 TX Texarkana, 305
 0836 KSFA 92.1 TX Nacogdoches, 220

12-22

tr 2200 WAFB 98.1 LA Baton Rouge, 435

12-23

tr 2313 WXEL 105.3 LA Slidell, 520

12-24

tr 0008 KRMD 101.1 LA Shreveport, 290

1-5

tr 2247 KTAL 98.1 TX Texarkana, 305
 2353 KRMD 101.1 LA Shreveport, 290
 2358 KOSY 102.5 AR Texarkana, 305

1-6

tr 0029 XHJD 98.9 NL Monterrey, 365
 0919 XHSP 92.5 NL "
 0929 XHJD 98.9 NL
 0937 XHMM 107.7 NL Monterrey, noted
 tentatively on several prior occasions
 0950 WJMI 99.7 MS Jackson, 500
 2132 XHJD 98.9 NL Monterrey, 365
 2144 KROZ 92.1 TX Tyler, 205
 2147 KTAL 98.1 TX Texarkana, 305
 2202 KKTX 95.9 TX Kilgore, 225
 2256 KNOE 101.9 LA Monroe, 385
 2259 KOSY 102.5 AR Texarkana, 305

The highlights of this reporting period were the good Gulf trop opening on 12/3-4, some fairly decent ducting catches on 12/15-16, and the unexpected skip opening of Oct. 28. That early Dec. trop opening was quite nice as a few of the Austin and San Antonio semi-locals in the 40-95 mi. range were completely obliterated by some 300-500 mi. trop signals. As you can tell by the number of new loggings, the rotor, installed 8-4-77, does help a bit with the tropes. The tr I report won't be as great as some people might expect for this part of the country (40 mi. northwest of Austin and 100 mi. north of San Antonio) since the Hill Country terrain is quite rugged and Burnet is located in a valley, but perhaps I'll get by.

With the '78 skip season now upon us we can't waste much space discussing the '77 season, but I did have one reception worth mentioning: KOAP-FM 91.5, Portland, OR at around 1660 mi., heard on 6-11-77. As is the case with the best of my DX (including the Dec. 3-4 tropo) relatives showed up and put an end to my chances for more double-hop.

I hope the column is going strong again before summer. If enough members contribute, we should have some monster-size columns before the skip starts rolling.

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

Equipment used: Pioneer TX-9100 rx, Channel-Master Probe-9 ant, (rx used with a Panasonic dolby noise reduction unit, model RP-966)

5-23-77

tr 2400 WTK 100.7 MA Boston, "TK101", 350
 to WRCH 100.5 CT New Britain, EL, 275
 0200 WELS 107.5 NY New York, 200
WTOF 104.1 CT Waterbury, "W-104", c&w
WGBH 89.7 MA Boston, 350

5-30

tr 0100 WIRG 92.3 VA Roanoke, "We're Large"
 0130 WOPQ 100.7 VA Harrisonburg, hit pde, 160
 0200 WKTU 92.3 NY New York, 200

6-6

Es 1700 WSCD 92.9 MN Duluth, 950

2320 KTYL 93.1 TX Tyler, 205
 2324 WJMI 99.7 MS Jackson, 500
 2330 KREB 106.1 LA Monroe, 385
 2338 KRMD 101.1 LA Shreveport, 290

1-7

tr 0931 XHJD 98.9 NL Monterrey, 365
 0934 XHRL 98.1 NL "
 1005 XHMM 107.7

2-24

tr 2343 WXEL 105.3 LA Slidell, 520
 2357 KNOE 101.9 LA Monroe, 385

2-25

tr 0043 WJMI 99.7 MS Jackson, 500
 not much of an opening but after this lousy winter and 7 weeks of no tropo I'll take most anything.

2-27

tr 0831 KLBK 94.5 TX Lubbock, 290

2-28

tr 0100 XHJD 98.9 NL Monterrey, 365
 0132 XHSR 92.5 NL Monterrey, 365
 0853 KTYL 93.1 TX Tyler, 205

3-10

tr 2233 KDUV 100.3 TX Brownsville, 340
 2307 KRIX 99.5 TX Brownsville, 340
 new station on air; these two are over San Antonio's KZZY and KISS, respectively.

3-11

tr 0024 KTDY 99.9 LA Lafayette, 385
 0047 KTAL 92.1 TX Texarkana, 305
 0121 KIEL 95.1 TX Beaumont, 250

3-12

tr 2133 XHJD 98.9 NL Monterrey, 365
 2209 KRIX 99.5 TX Brownsville, 340
 2228 WAFB 98.1 LA Baton Rouge 435
 2359 KDUV 100.3 TX Brownsville, 340

3-18

tr 0806 KLCL 99.5 LA Lake Charles, 310
 0808 WPMF 102.5 LA Baton Rouge, 435
 0810 KGRA 103.7 LA Lake Charles, 310
 0819 KTDY 99.9 LA Lafayette, 385
 0822 WAFB 98.1 LA Baton Rouge, 435
 0824 KTAL 98.1 LA Texarkana, 305

1700 WDAY 93.7 ND Fargo, 1150
 to KSRD 96.9 NE Seward, 1050
 2300 KFYR 92.9 SD Bismark, 1300
WHWC 88.3 WI Colfax, 900
KSJN 91.1 MN St. Paul, 900
KESD 88.3 SD Brookings, 1050
WAYL 93.7 MN St. Paul 900 EL
KSJR 90.1 MN Collegeville, 950
KXRA 92.7 MN Alexander, 1050
KMSR 94.3 MN Sauk Center, 1050
CHMM 97.5 MB Winnipeg, 1250 c&w
 6-14, cont.

6-14-77

Es 1300 KYEZ 93.7 KS Salina, EZ, 1100
 to KBED 92.7 LA Lake Providence, rk, 960
 1600 WYNK 101.5 LA Baton Rouge, C&W, 1000 tr
WBLX 92.9 AL Mobile, soul, 850 Es
KOXY 94.1 TX Beaumont, EZ, 1150
WKES 101.5 FL St. Petersburg, REL, 850
KWBW 93.7 KS Hutchinson, rk, 1150 1600
KABI 98.3 KS Abilene, 1050 to
KULM 98.3 TX Columbus, 1300 2000
KCIL 107.1 LA Houma, 1000
WOXY 100.7 LA Baton Rouge, EZ, 1000
KRBE 104.1 TX Houston, rk, 2150

WBAD 94.3 MS LeLard 900
KWDG 96.7 OK Idabel 1050
WSVS 104.7 VA Crewe 170
WOFT 98.3 FL Arcadis, c&w 800
WRBQ 104.7 FL Tampa, Q-105 850
WUSF 89.7 FL Tampa, over loc. WCVT-FM
KNCT 91.3 TX Killeen 1300
WOUV 103.3 FL Bradenton 850
KGUS 97.5 AR Hot Springs 950
KATD 97.5 TX Beaumont 1150
KHOO 99.9 TX Waco, c&w, over WFRE
KYKR 93.3 TX Port Arthur, Kicker
 radio, c&w 1150
KSUC 88.3 TX Keene 1200

6-15

tr WUNC 91.5 NC Chapel Hill, 260
 0100 WDYL 92.1 VA Chester, REL, 175
 6-21, received while camping at Roanoke Rapids,
 NC with Steve West on Steve's receiver, a
 Heathkit AR-15 with a 5 el. yagi at 10
 ft., radio on a picnic table

7-4

Es 1130 WGYL 93.5 FL Vero Beach 825
 1500 KPYR 92.9 SD Winner
 to KBMO 93.5 MN Benson
 1700 KKDQ 92.9 ND Grand Forks
KSJM 93.3 ND Jamestown

Es 2000 KANS 96.7 KS Larned, 1200
 to KAUM 96.5 TX Houston, 1150
 2300 KEZU 103.1 AR El Dorado, 900
KXXY 96.1 OK Oklahoma City, 100
KEBC 94.7 OK Oklahoma City, c&w
KRAV 96.5 OK Tulsa, FM 96, 1000
KNUS 98.7 TTX Dallas, rk, 1100
KRMD 101.1 LA Shreveport, 950
WRIL 99.3 AR El Dorado
KAKC 92.9 OK Tulsa, KC 93
KZEW 97.9 TX Dallas
KBID 92.9 TX Wichita Falls, 1200
KOEZ 92.3 KS Newton, 1100
KCFO 98.5 OK Tulsa, REL
KWTO 98.7 MO Springfield, 900
KMRJ 92.9 KS Pittsburgh
KBRA 97.9 KS Wichita, 1000
KQ?? 99.1 unID, Q99
KICT 95.1 KS Wichita
KWEN 95.5 OK Tulsa

7-7

E 1700 WQDY 92.7 ME Calais, c&w, 625
 to WPEC 92.9 ME Bangor 500
 1900 CBDM 93.5 PQ Iles De la Madeleine
 CBC Radio net.
WDHP 95.9 ME Presque Isle 850
WHOU 100.1 ME Houlton 650
CKWM 97.7 NS Kentville 750
CBL 94.1 ON Toronto, tent CBC nx
 my shortest skip ever. 375
CHRC 98.1 PQ Quebec, tent, fr. 575

6-23 back home:

tr 0300 WEIV 103.7 NY Ithaca, REL, 250
 0350 WOUR 98.7 NY Utica, rk, 275

6-25

tr 1400 WMZQ 98.7 DC Washington, ex WMOD,
 IDs as 98-MZQ

6-26

Es 1800 KVLU 91.3 TX Beaumont 1150
 1830 KNCT 91.3 TX Killeen 1300

6-30

Es 1800 KRSD 96.9 NE Seward 1050
 to WIBW 97.3 KS Topeka, Rock 97
 2000 KFDI 101.3 KS Wichita
KFMZ 98.3 MO Columbia, FMZ
KPRS 103.3 KS Kansas City, disco mx
 unID 96.9 Red Socks vs Detroit game

7-12

E 1700 KESD 88.3 SD Brookings 1050
 to KMTU 88.5 TX Denton 1150
 2200 KOFM 104.1 OK Oklahoma City 1150
KLAW 101.5 OK Lawton, K Law 101 1200
KKUL 103.3 OK Tulsa, FM 103 1125
KHOK 107.5 TX Ft. Worth, disco mx 1200
KOAX 105.3 TX Dallas
KATL 101.5 IA Storm Lake ball game
KTFC 103.3 IA Sioux Falls, REL 1050
KRDS 104.5 TX Dallas, EL
WDAY 93.7 ND Fargo 1150
KYSM 103.5 MN Mandato, over WGMS, DC
KWYR 93.7 SD Winner 1250

7-27

KIOU 96.5 TX Corpus Christi 1450
 1900 KAUM 96.5 TX Houston 1250
 to KLAZ 98.1 AR Little Rock, Z 98 900
 2100 KEZQ 94.1 AR Little Rock
KCHF 93.5 SD Sioux Falls 1100
KJAM 103.1 IA Atlantic 950
KEMB 98.3 IA Emmetsburg 950
KNWC 96.5 SD Sioux Falls
KPAT 97.3 SD Sioux Falls
KWYR 93.1 SD Winner
KICB 88.1 IA Ft. Dodge, 10 wts! 975
KKOW 106.3 AR Hot Springs, K 106 950

7-1

Es 1600 KLMP 96.7 TX Merlin 1250
 to KWTX 97.5 TX Waco 1250
 2000 KEZQ 94.1 AR Little Rock 900
WOUV 103.3 FL Bradenton 900
WGCA 94.1 MS McComb 950
WYNK 101.5 LA Baton Rouge 1000
WKES 101.5 FL St. Petersburg

7-31

1600 KCHF 93.5 SD Sioux Falls
 to KLGA 92.7 IA Algona
 1900 KDMI 97.3 IA Des Moines
KBRX 92.7 NE O'Neil 1150
KOMH 94.1 NE Omaha 1100
KPAT 97.3 SD Sioux Falls
KLYF 100.3 IA Des Moines, K Life

7-2

Es 1700 WIRB 96.9 AL Enterprise 740
 to WABB 97.5 AL Mobile 850
 1900 KOXY 94.1 TX Beaumont, ex KBPO 1150
WRYO 98.5 FL Crystal River 750
WIFE 94.3 GA Americus 650
WFAV 98.3 GA Cordele 650
WXLE 94.3 AL Abbeville 700
WMEZ 94.1 FL Pensacola 850
WPCV 97.5 FL Winter Haven, c&w 850

8-3

1600 KCLU 94.3 MO Rolla 850
 to KYEZ 93.7 KS Salina 1100
 1900 KFTI 101.3 KS Wichita 1000
KSKU 102.1 KS Hutchinson 1150
KPSR 103.3 KS Kansas City 950
KTAP 103.9 NE Crete 1140
KEYN 103.7 KS Wichita 1000
KJAN 103.7 IA Atlantic
KLSS 106.1 IA Mason
KRNC 102.5 IA Des Moines
KQBY 101.1 ? unID, ABC ent. nx

7-3

Ms 0130 WSME 92.1 ME Samford, shortest ms 450
 Es 1230 WAQT 94.1 AL Carrollton-Aliceville 750
 to WYLD 98.5 LA New Orleans 950
 1400 WGCA 94.1 MS McComb 925

8-3

KLTF 100.3 IA Des Moines
KFTK 106.9 KS Topeka

1000

8-7

tr 0100 WDVE 102.5 PA Pittsburgh 200
to WJCI 93.7 PA Pittsburgh
0330 WOMP 100.5 OH Belleaire 250
WPEZ 94.5 PA Pittsburgh, 94-PEZ
WSHH 99.7 PA " 97 WISH
WQED 89.3 PA "
WBUT 97.7 PA Butler
WIYQ 99.1 PA Ebensburg, c&w

8-7 WWCS 106.9 MD Hagerstown

8-8

1100

Es KSRD 96.9 NE Seward
FTCS 93.3 NE Hastings 1100
KRGJ 93.3 NE Grand Island 1100
KTTT 93.5 NE Columbus 1010
KFLA 94.5 KS Scott City 1250
KUPK 97.3 KS Garden City 1250
KPNY 98.9 NE Kearney 1150
KGOR 99.9 NE Omaha 1100

Danny Buntin, 1020 S. Duncan, Stillwater, OK, CDT/CST June 10 to Feb. 2

Equipment: Pioneer TX 9100 rx, 10 el. Antennacraft FM ant. 34 ft. above ground

7-10-77

Es 1858 KFSD 94.1 CA San Diego
1902 KXLU 88.9 CA LA
1906 KSOK 93.1 AZ Yuma, ID
1907 KKOF 93.5 CA Redondo Beach, ID
1919 KPAY 95.1 CA Chico, ID
1925 KGBS 97.1 CA LA
1930 KNOB 97.9 CA Long Beach, EZ, ID
2001 KOWN 92.1 CA Escondido, ID
2030 KSDS 88.3 CA San Diego, ID

7-14

Es 1728 KBEY 95.1 CA Ventura
1729 KNX 93.1 CA LA

7-20

Es 2029 WDC 101.1 DC Washington, DC101, rk
2030 WAMU 88.5 DC "
2031 WPFW 89.3 DC "
2035 WSMJ 107.7 NJ Bridgeton, ID
2051 WAVA 105.1 VA Arlington
2100 WRVC 89.9 NY Oswego, ID
2101 WGSU 89.3 NY Genesee
2105 CJOM 88.7 ON Windsor
2115 CKGU 93.1 ON Ottawa
2124 WKCQ 98.1 MI Saginaw, c&w
2127 WGRD 97.9 MI Grand Rapids
2130 WRCT 93.1 MI Midland

7-21

E 1100 WBLK 93.7 NY Depew-Lancaster, ID
1102 CKPC 92.1 ON Brantford, nx
1110 CPFL 95.9 ON London, wx
1112 CKGL 96.7 ON Kitchener
1754 KPAD 103.9 ND Grand Forks E.
1759 KKDO 92.9 ND Grand Forks
1801 KTYN 94.7 ND Grand Forks
1801 KFTM 89.3 ND Grand Forks
1802 KQHE 98.7 MN Moorehead, ad
1814 WOSM 98.1 NC Fayetteville, ID
1810 WROQ 95.1 NC Charlotte, 95 Q, wx
1819 WRCM 92.1 NC Jacksonville
1901 WLSE 94.3 NC Wallace
1905 WEXM 107.5 VA Exmore, ID
1909 WKRX 97.7 NC Roxboro, nx
1912 WRFK 106.5 VA Richmond
1914 WBT 107.9 NC Charlotte, ad, ID
1917 WEZC 104.7 NC Charlotte
1920 WSOG 103.7 NC Charlotte, c&w
1922 WNCT 107.7 NC Greenville
1927 WSFL 106.5 NC Bridgeton
1930 WEZS 103.7 VA Richmond, EZ radio
1939 WRNS 95.1 NC Kinston, ID
1943 WQMG 97.1 NC Greensboro, ad
1945 WQBE 95.3 NC Wanchese, ID, EZ
2000 WEQR 96.9 NC Goldsboro
2009 WYVA 94.1 VA Yorktown

7-22

Es 1043 WKZY 97.1 MI Escanaba, ID
1050 WJPD 92.1 MI Ishpeming
1100 WMMH 95.9 WI Minocque
1101 WGCW 91.1 MI Houghton, wx
1104 CJSD 94.3 ON Thunder Bay, nx
1104 WERL 94.3 WI Eagle River, wx
1107 WQXO 98.3 MI Munising, ad
1119 WIMI 99.7 MI Ironwood, "Hit Parade"

1120 WATW 95.9 WI Ashland

6-23

tr 1459 KACB 89.9 TX Amarillo
Es 1909 WCKS 101.1 FL Cocoa Beach, ad
1910 WDIZ 100.3 FL Orlando
1917 WTLN 95.3 FL Apopka
1921 WGYL 93.5 FL Vero Beach, EZ, ID

6-25 1116 to 1336: lots of Es from Mexico City and Veracruz, most new.

Es 1729 WKRY 93.5 SC Columbia, wx ID
1730 WMPR 88.1 SC Sumter, nx
1732 WDM 101.3 SC Sumter, nx, soul

6-26

Es 1804 CKOT 101.3 ON Tillsonburg, nx
1809 WOTE 91.3 OH Toledo
1821 KOYE 94.9 TX Larado, ad for Stephenwolf concert
1828 WVMV 96.9 TX McAllen, SS
tr 1849 KVEE 105.1 AR Conway, ad, ID, weak

6-27

tr 0115 KRMD 101.1 LA Shreveport, PSA
Es 1158 WPUZ 93.7 FL Ocala, ID

6-28

tr 1300 WMC 99.7 TN Memphis, ID, rk

6-30

Es 1758 CKPC 92.1 ON Brantford, wx
1800 WBIV 107.7 NY Wethersfield
1801 CJRT 91.1 ON Toronto
1806 WDRO 93.1 MI Detroit
1810 WRIF 101.1 MI Detroit
1829 WLKR 95.3 OH Norwalk, rk
1832 CJOM 88.7 ON Windsor
1835 WWWW 106.7 MI Detroit, ID as W4
1859 WAMU 88.5 DC Washington
1859 WDEA 88.9 MD Baltimore
1902 WRBS 95.1 MD Baltimore, ad, nx
1910 WFLN 95.7 PN Philadelphia, CI
1929 WCSG 91.3 MI Grand Rapids, ID

7-3

Es 2139 WAEX 95.9 WV Princeton, ID, EZ
2140 WTVR 98.1 VA Richmond, EZ
2150 WSFL 106.5 NC Bridgeton, "Super SFL"
2150 WVOT 106.1 NC Wilson
2151 WBT 107.7 NC Charlotte, nx
2152 WKZL 107.5 NC Winston-Salem, ad
2240 WFXI 95.1 SC Charleston, ID
2244 WRNS 95.1 NC Kinston, ID, c&w
2246 WLOW 95.9 SC Aiken, ID, PSA
2300 WMBW 88.9 TN Chattanooga, ID
2302 WBYN 89.7 TN Chattanooga, ID, REL
2304 WSMC 90.7 Collegedale, TN, sign off.

7-12

Es 1855 WETA 90.2 DC Washington
1859 WIYY 97.9 MD Baltimore, ID
1902 WPFV 99.3 VA Front Royal
1904 WASH 97.1 DC Washington
1905 WGAY 99.5 DC Washington
1907 WFLS 93.3 VA Fredericksburg
1907 WICO 94.3 MD Salisbury
1909 WRVQ 94.5 VA Richmond
1915 WLMs 100.5 VA Norfolk
1924 WOOK 100.2 DC Washington, "OK 100"

7-12

Es 1925 WYFI 99.7 VA Norfolk, REL
 1926 WRBS 95.1 MD Baltimore
 1929 WEZR 106.7 VA Manassas, ID
 1930 WBOC 104.7 MD Ocean City-Salisbury, ID
 1933 WIOQ 102.1 PN Philadelphia, "Q"
 1947 WKZQ 101.7 SC Myrtle Beach, rk
 1950 WLAN 96.9 Lancaster, PN
 1951 WDAC 94.5 " "PSA
 1958 WBT 107.9 NC Charlotte
 1959 WBJH 101.5 NJ Trenton-Fairless Hills
 2000 WBMU 91.3 NC Asheville
 2000 WGWG 88.3 NC Boiling Springs
 2002 WFME 94.7 NJ Newark
 2010 WCUL 103.1 VA Culpepper, EZ, ID
 2016 WHBI 105.9 NJ Newark, c&w
 2018 WAVA 105.1 VA Arlington-Wash. DC, nx
 2030 WSNJ 107.7 NJ Bridgeton
 2030 WLTE 102.5 GA Waycross, ID
 2032 WLAT 98.3 GA Swainsboro, ID
 2034 WBEU 98.7 SC Beaufort, ID
 2044 WKEZ 95.7 VA Norfolk
 2102 WVOH 93.5 GA Hazlehurst, ID
 2130 WMRT 88.3 OH Marietta
 2135 WHDQ 95.9 OH New Philadelphia
 2144 WDMT 107.5 OH Cleveland
 2145 WLMA 102.1 OH Lima, "FM Lima"
 2153 WMMS 100.7 OH Cleveland, ID, rk
 2218 WFXI 95.1 SC Charleston

7-17

Es 1730 WFEM 92.1 PN Ellwood City, c&w
 1738 WOOD 93.3 OH Youngstown, PSA
 1740 WPEZ 94.5 PA Pittsburg, ID

7-18

Es 1144 WFXI 95.1 SC Charlestown, ID
 1146 WEZL 103.5 SC Charleston, nx, wx

7-27

Es 1409 WMKY 90.3 KN Morehead
 1414 WMRT 88.3 OH Marietta, ID
 1416 WOUB 91.3 OH Athens

7-29 on port. Sony east of town:

Es 1455 WIRK 107.9 FL W. Palm Beach, ID c&w
 1505 WLRN 91.3 FL Miami, ID

Later back home:

1756 WORJ 107.7 FL Mt. Dora-Orlando, ID
 1801 WHLY 106.7 FL Leesburg
 1802 WBLE 105.9 FL Deland
 1804 WHOO 96.5 FL Orlando, EZ
 1805 WQHL 98.1 FL Live Oak
 1806 WLOV 98.7 FL Ft. Pierce
 1807 WQVU 95.5 FL Ft. Pierce, rk, ad
 1815 WTUP 107.1 FL Thomasville, GA
 1821 WJNJ 104.9 FL Atlantic Beach, ad
 1826 WRUF 103.7 FL Gainesville, wx
 1836 WTRF 102.3 FL Melbourne
 1837 WOKS 101.1 FL Cocoa Beach, "CK 101"
 1858 WDIZ 100.3 FL Orlando
 1844 WDBO 92.3 FL Orlando, EZ
 1845 WLYD 99.9 FL Palatka, "wide country"
 1851 WQTK 99.1 FL Jacksonville; c&w
 1855 WRMF 98.2 FL Titusville, ads
 1857 WRTZ 76.1 FL Jacksonville, EZ
 1859 WJEE 107.3 FL Jacksonville, ID, nx
 1903 WFCY 97.7 FL St. Augustine, nx, ad
 1915 WJIZ 96.3 GA Albany
 1917 WSBI 100.7 GA Brunswick, ID
 1919 WGPC 104.5 GA Albany, ad, ball game
 1923 WAPT 101.1 GA Valdosta, REL, ID
 1929 WVOH 93.5 GA Hazlehurst
 1935 WACL 103.3 GA Waycross, ID, rk
 1937 WFAV 98.3 GA Cordele, ad
 1945 WOKA 106.7 GA Douglas, c&w, sign off
 2000 WFAM 91.1 FL Jacksonville, ID, JZ
 2002 WMLV 94.5 FL Daytona Beach, "Love 95"

2-2-78

tr 1746 KAYE 90.5 OK Tonkawa, ID, rk, ID, 10w
 1755 KPMN 107.9 TX Abilene, ID

All in all, a very fine year for Es and Tr especially for the repeated showings from FL.

7-31

Es 1731 WRVO 89.9 NY Oswego
 1800 WSYR 94.5 NY Syracuse, wx
 1802 WBLK 93.7 NY Depew-Lancaster, ID
 1810 WERN 88.3 NY Syracuse
 1811 WAUF 88.1 OH Athens, ID
 1814 WMHT 89.1 NY Schenectady
 1818 WCCL 92.3 OH Columbus
 1325 WJEL 107.9 MA Medford, "FM 108"
 1830 CJFM 95.9 PQ Montreal
 1831 WCRH 90.5 MD Williamsport, ID
 1840 WRZO 101.3 NY Rochester
 1845 WIBQ 98.7 NY Utica
 1848 GKO 99.1 ON Toronto
 1854 WPOC 93.1 MD Baltimore
 1902 WNAJ 90.9 OH Canal Fulton
 1905 SKO 106.9 ON Ottawa
 1944 WLEW 92.1 MI Bad Axe, ID

8-3

Es 1200 CJRT 91.1 ON Toronto, ID
 1230 CEL 94.1 ON Toronto, C
 1231 CKFM 99.1 ON Toronto, ID
 1256 CKCU 93.1 Ottawa, ON, "KFM 93"

8-17

tr 1420 KGNO 95.5 KS Dodge City, ID, EZ, I
 1427 KBUP 97.3 KS Garden City, ad

8-18

tr 1925 KKXX 100.3 KS Colby, trading post
 1945 KQIZ 93.1 TX Amarillo, new on air
 1947 KGNC 97.9 TX Amarillo, ID, \$
 1950 KBHB 104.3 TX Borger, "Sounds of TX", ad
 1951 KMRE 95.3 TX Dumas, ads

8-19

tr 0902 KULL 94.5 KS Scott City, new call, c&w
 1645 KWEY 97.3 OK Weatherford, new on air

9-21

tr 2000 WKYV 106.7 MS Vicksburg, ID, c&w
 2255 WDMS 100.7 MS Greenville, ID, c&w
 2300 WSJC 107.5 MS Magee ID
 2302 WKKI 94.7 MS Jackson, ID, "Street talk"
 2304 KCMR 100.3 AR Jacksonville
 2306 WJFR 96.3 MS Jackson, REL
 2310 KREB 106.1 LA Monroe, ad
 2319 KXKZ 107.5 LA Ruston, "Z 108 Stereo"
 2329 WBOF 101.5 FL Pensacola, ID
 2330 WAJB 107.3 FL Pensacola
 2334 WOLF 107.3 AL Florence, ID, rk
 2340 KPKI 100.7 TX Mt. Pleasant, ID
 2345 WAPI 94.3 AL Birmingham, ID, nx
 0022 WBTI 101.7 MS Clarksdale, ID
 0027 WVOK 99.5 AL Birmingham, "K 99"
 0045 WQUD 104.5 TN Memphis
 0046 most Memphis stations in good
 0047 WKXX 106.9 AL Birmingham, "Kicks 106 rk"
 0051 WZZK 104.7 AL Birmingham, c&w, ID

9-22

tr 1900 KBTU 101.9 AR Jonesboro, nx, ID
 1901 KASU 91.9 AR Jonesboro
 1905 WIVK 107.7 TN Knoxville, c&w, ID
 1911 KCAC 106.3 AR Walnut Ridge, ID
 1914 WEZI 105.9 TN Memphis
 1930 WVST 96.7 TN Bolivar, ID
 2200 WYNQ 106.5 TN Chattanooga, ID, EZ
 2205 KLTB 106.3 MO Bolivar
 2228 KADL 94.9 AR Pine Bluff, ID, c&w
 2234 KCRV 103.1 MO Caruthersville, c&w, Mnx
 2236 WHRW 98.1 AL Fayette
 2236 WRCK 106.3 AL Sheffield, FM 106
 2238 WVIM 95.3 MS Coldwater, ID, sign off
 2314 WUCH 94.2 GA, Atlanta, ID
 2320 WZZK 104.7 AL Birmingham
 2324 WADI 95.3 MS Corinth, c&w
 2330 WMBW 88.2 TN Chattanooga, ID, REL
 2332 WDYN 89.7 TN Chattanooga, ID, REL
 0000 KMIS 106.3 MO Portageville, sign off

FCC decision's local effect uncertain but significant, says KTVZ manager

BEND PULLETTIN, March 25, 1978

By Steve Boyer

Bulletin Staff Writer

John Larkin, general manager of KTVZ-Bend, doesn't pretend to know the reasons for the recent change in cable television policy by the Federal Communications Commission. And he isn't sure of its effect in Central Oregon.

But he has no doubt about its significance for small television stations in isolated areas around the country.

"This is obviously a tremendous statement of the FCC's attitude," said Larkin. "They have supposedly crossed goals of fostering localism in television around the country... You're not going to see many new television stations around the country."

The FCC decision, made Wednesday, allows a cable television system to effect a program from stations which are "significantly viewed" in a community, even if they duplicate the programs of local stations.

The decision relates directly to Central Oregon's television situation. KTVZ is an NBC affiliate, and its live network programming is the same as local NBC affiliate KGW (Channel 5) from Portland and KVAL (Channel 3) in Eugene.

KTVZ has requested that local cable television systems block out the live network programs, with their advertising, from KGW and KVAL when they are the same as network programs being broadcast over KTVZ. The blockouts currently are being provided by Bend TV Cable Co.

Both Crestview Cable TV Co. in Prineville and Madras and Key TV in Redmond had asked the FCC for waivers exempting them from providing the blockouts. Both cable companies claimed that requiring them to do so would create a hardship for them.

The switching equipment necessary to block out signals costs around \$10,000. Bend TV Cable Co.'s was donated by KTVZ. Crestview Cable TV and Key TV would have to buy their own.

Blocking out duplicate signals is important to KTVZ because it provides them with more viewers. Since advertising rates are based

partly on the number of viewers a station has, the revenue involved in the blackout issue is considerable.

The decision Wednesday attempted to reconcile two conflicting FCC regulations regarding the blockouts. One required a cable television station to carry all signals significantly viewed in its community. The other stated that stations distant from the community must be blacked out when the program on the local station is duplicated.

A station is considered to be "significantly viewed" when it is watched by at least a certain percentage of the viewing public.

In Deschutes County, the FCC decision apparently means that Bend TV Cable must continue to provide the blockouts, and Key TV must do so as well. No stations are listed as significantly viewed in the county, according to the FCC.

No one, including an FCC attorney in Washington, D.C. could explain the reason for that. But it means KTVZ, as the local station, has the right to request the blockouts. And KTVZ's live network programming and local advertising will be shown the programs are duplicated by KGW and KVAL.

In Crook County, KGW is listed as being significantly viewed, but KVAL is not. According to the decision, KTVZ can require Crestview Cable to block out KVAL but not KGW.

KGW is listed as being significantly viewed in Jefferson County, but Crestview Cable TV does not carry KVAL there.

Before any blockouts can be required in Crook County, Crestview Cable TV will have to begin carrying KTVZ. The cable system has declined to add KTVZ to its system, because it would have to begin providing the blockouts once it did so.

The FCC decision was made in a case involving a number of television stations and cable systems in Eastern Washington and Northern Idaho.

The decision also changed a provision of the old rule which placed the burden of proof on a cable system to show that it would be harmed if it had to provide blockouts, the provision under which Crestview and Key had

filed. The change shifts the burden to the broadcaster to seek a waiver by showing that his station will be harmed if blockouts are not provided.

Larkin said he does not know if KTVZ will ask for a waiver concerning KGW in Jefferson and Crook counties.

"The thing is so far-reaching in nature," he said of the decision. "It's one of those things where you have to let the dust settle."

Larkin said no specific criteria for seeking a waiver have been set yet by the FCC. But he does expect the existing small stations in isolated areas to protest loudly.

"I think you're going to see a hue and cry from small stations around the country," Larkin said. He has no idea how the FCC will respond or whether any changes in the ruling will be made.

"I don't really know why it's there, but that's the current ruling and those are the rules we're playing by," he said. "It just makes things a whole new ball game."



P. O. Box 15310
No. 1 Radio WHOO Road
Orlando, Florida 32808



P. O. BOX 5270
JACKSONVILLE, FLORIDA 32207

NORTHERN FM-DX

Bruce Goldsen
27 Spruce Hill Road
Georgetown, CT 06829
(203) 544-8129

May 1978

Deadline: the 10th

Send in your DX now, if you live in WA,OR,ID,WY,ND,SD,NE,MN,IA or east of the Mississippi River and north of the Mason-Dixon line.....

It's been awhile since Northern FM-DX has appeared in these pages, but now that we're back on the track, there's alot of DX to report. There is much accumulated DX, some since a year ago, but I've decided to include most of it in this column, to be fair to the members who submitted material. Read on!

Ralph Strobel-2510 E.McGalliard Rd.-Muncie, IN (EST/CDT)

7/1	Tr	0100	WPNQ	95.9	OH	New Philadelphia, G\$,PTL club
	Es	1915	WQID	93.7	MS	Biloxi
		1937	KUHF	88.7	TX	Houston, J
7/2	Es	1700	KSUC	88.3	TX	Keene, G
7/4	Tr	0300	WFFM	96.9	PA	Braddock, R,"\$-97"
7/5	Tr	0035	KSUI	91.7	IA	Iowa City, C,\$,s/off
		0705	WUOT	91.9	TN	Knoxville, C,\$
		1000	KSLH	91.5	MO	St. Louis, Bd of Ed,s/on
7/6	Tr	2105	WLRH	89.3	AL	Huntsville, C,\$
		2110	WMOT	89.5	TN	Murfreesboro, R,\$
7/7	Tr	0630	WMBW	88.9	TN	Chattanooga, G
7/8	Tr	0500	WFMC	92.1	MI	Grand Haven, \$,s/on
		1430	WKTL	90.7	OH	Struthers, RM
7/12	Es	2010	KRLY	93.7	TX	Houston,R,\$
		2018	KUHF	88.7	TX	Houston,J
		2020?	unid?	90.9	L	polkas SS \$ to SW
		2025?	unid?	101.9	M,\$	to SW
		2030	KLBJ	93.7	TX	Austin, R,\$ (950)
		2100	KQXY	94.1	TX	Beaumont,M,\$
7/14	Tr	0130	WBUF	92.9	NY	Buffalo,P,\$
7/16	Tr	0145	WZEZ	92.9	TN	Nashville,M,\$"93-Z"
		1630	WRSA	96.9	AL	Decatur,M,\$"\$-97"
7/18	Es	1322	KWLW	93.9	TX	San Angelo, \$
		1355	KPAS	93.9	TX	El Paso, P,\$ (1225)
		1400	KSEL	93.7	TX	Lubbock,K,\$
7/20	Tr	0300	WFAW	107.3	WI	Fort Atkinson,M,\$
		2322	CKGL	96.7	ON	Kitchener,K,\$"Big Country"
7/23	Tr	0100	KSJN	91.1	MN	St. Paul,C,J,\$
		0101	KRSW	91.7	MN	Pipestone,C,\$,s/off
		0307	WORT	89.7	WI	Madison,J,0330 s/off
		1400	CJRT	91.1	ON	Toronto,C,\$
7/24	Tr	0010	WLFM	91.1	WI	Appleton,nx,s/off
		0500	WAMU	88.5	DC	Washington,R,\$"88plus"
7/26	Tr	0100	KXCV	90.5	MO	Maryville,P,\$,s/off
7/27	Tr	0008	WDYN	89.7	TN	Chattanooga, G
		0012	WNJC	90.1	MS	Senatobia,R,\$
		0100	WOKI	100.3	TN	Oak Ridge,R,\$
7/28	Tr	0105	KANU	91.5	KS	Lawrence,nx,J,\$
		0112	WLYX	89.3	TN	Memphis,P,\$
	MS	0340	WAMU	88.5	DC	Washington,C,\$,ID
7/31	Tr	1750?	unid?	88.5	MO	KC KLJC?,G,mono to W
8/1	Tr	0047	WBGY	93.3	TN	Tullahoma,R,\$"Boogie Radio"
8/2	Tr	0930	WSMC	90.7	TN	Collegedale,T,\$
8/4	MS	0445	WMCU	89.7	FL	Miami,G,\$,ID
	Tr	2315	WAXI	104.9	IN	Rockville,R,\$,0005 s/off
8/5	MS	0400	WFSU	91.5	FL	Tallahassee,R,\$,ID
9/6	Tr	2105	WYMS	88.9	WI	Milwaukee, T
9/7	Tr	0205	WUWM	89.7	WI	Milwaukee, C,s/off"FM-90"
		0303	WAMO	105.9	PA	Pittsburgh,S,\$
9/8	Tr	1635	WIXX	101.1	WI	Green Bay,R,\$
		2030	WDUZ	98.5	WI	Green Bay,M,\$
		2130	WMIL	106.1	WI	Waukesha,M
		2230	WLIP	95.1	WI	Kenosha's Album R"R-95"
9/17	Tr	0205	KBFL	90.3	MO	Buffalo testing in \$
9/22	Tr	0100	WBHM	90.3	AL	Birmingham,C,\$,s/off
		0105	WDJC	93.7	AL	Birmingham,nx,G,\$
		2200	WRMU	91.1	OH	Alliance,R
9/25	Tr	0559	KBIA	91.3	MO	Columbia,s/on \$
		0600	KOPN	89.5	MO	Columbia,Carib mx,\$
		0720	KCOU	88.1	MO	Columbia,PR,\$
		0842	WUIC	88.1	IL	Chicago,P (10watt)

Ralph Strobel report, continued

9/25 Tr 0848 WDGC 88.3 IL Downers Grove, J, R
 1059 unid 88.1 SS mx, no ID on hour, \$ to NW
 1100 KCKK 88.3 IA Cedar Rapids, C, \$
 9/28 Tr 0505 WTIO 102.7 WV Charleston, nx, M
 0849 WDPS 88.7 OH Dayton, 10watt, K, J, C
 10/10 Tr 1900 WVWR 89.1 VA Roanoke, C, J, \$
 2300 WWSU 88.5 OH Dayton, J, 10watt s/off
 10/19 Tr 1840 WEMU 89.1 MI Ypsilanti, J, P, \$
 10/21 Tr 0100 WFCI 89.3 IN Franklin, R, P, s/off
 10/24 MS 0100 WCIE 91.3 FL Lakeland, ID, \$
 10/27 Tr 0115 WIUM 91.3 IL Macomb, P, R, \$, 0200 s/off
 1100 WMTH 88.5 IL Park Ridge, R, ID
 10/28 Tr 0200 WKMS 91.3 KY Murray, R, P, J, \$, "FM-91"s/off
 10/31 Tr 0100 WPLN 90.3 TN Nashville, C, \$, s/off
 1/19 Tr 1145 WHSK 89.1 IN Kokomo, "K-89", R
 1/21 Tr 1600 WEAX 88.3 IN Angola, P, testing
 2/3 Tr 1130 WPCD 88.7 IL Champaign, R, \$
 2/15 Tr 0200 WLRA 88.1 IL Lockport, R, P, \$, s/off
 2/19 Tr 1200 WNTH 88.1 IL Winnetka, R
 2/24 Tr 2240 WRFT 91.5 IN Indianapolis, M, s/off

Total: 694, 166 educational band, 25 10-watters, new underlined.

The winter here has been horrible. In this freezing weather, FM reception is usually very poor. Last summer was poor for E-skip. A few from Texas, but not very strong. I have logged 24 states plus DC and 3 provinces.

73, Ralph

Paul D. Traska-64 Weaver Ave.-Buffalo, NY 14206

10/5 Tr 1845 WFEM 92.1 PA Ellwood
 10/6 Tr 1900 WGTS 91.9 MD Takoma Park
 2330 CFRC 91.9 ON Kingston
 10/7 Tr 1900 WNTI 91.9 NJ Hackettstown
 10/10 Tr 1408 WKAR 90.5 MI East Lansing
 10/18 AU 2000 WNMU 90.1 MI Marquette
 10/19 GW 1700 WBTF 101.7 NY Attica
 10/26 Tr 2300 WVPE 88.1 IN Elkhart
 2315 WCMU 89.5 MI Mount Pleasant
 10/27 Tr 1120 CBEG 106.3 ON Sarnia
 1140 WCLI 106.1 NY Corning
 1200 CKQM 105.1 ON Peterborough

New underlined, present log totals 190. Paul.

Roger Gravelle-60 Valerie St.-St. Thomas, ON N5R 1A8

6/6 1635 WCKO 102.7 FL Pompano Beach*
 1700 KPUB 99.9 CO Pueblo
 1700 KVMN 98.9 CO Pueblo
 1730 KZLO 100.7 CO Pueblo
 1730 KDJQ 97.9 CO Pueblo
 2207 KBLJ 92.1 CO La Junta
 2215 WLEN 103.9 MI Adrian
 2230 CKLA 106.1 ON Guelph
 2040 KUPH 97.3 KS Garden City
 2042 KGNO 95.5 KS Dodge City
 2045 KULL 94.5 KS Scott City
 7/14 1800 KSPZ 92.9 CO Colorado Sprs.
 1800 KPIK 93.9 CO Colorado Sprs.
 1815 KRDO 95.1 CO Colorado Sprs.
 1817 KRYT 101.9 CO Colorado Sprs.
 10/28 ?? CKO 97.5 ON London - All-news, no \$.
 73's to everyone, Roger.

Robert R. Sowinski-Rt. 5, Box 399-St. Clairsville, OH 43950

3/2 3/4 cont.
 1902 Tr WETS 89.5 TN Johnson City 1958 WKTK 105.7 MD Catonsville
 3/3 2003 WJSE 102.9 MD Cumberland
 1013 Tr WMKY 90.3 KY Morehead 2041 WFRE 105.3 MD Frostburg
 1028 WCLG 100.1 WV Morgantown 2043 WCLW 105.3 OH Mansfield
 1030 WSGS 101.1 KY Hazard 2155 WMSG 92.1 MD Oakland
 1031 WBTM 101.1 NC ????(ed-WBTM) 2157 WMRN 106.9 OH Marion
 is an AM stn in Virginia)
 3/5
 1336 Tr WVOW 101.9 WV Logan 1154 WKTK 105.7 MD Catonsville
 3/4 1159 WQXA 105.7 PA York
 1114 Tr WDOC 95.5 KY Prestonburg 1214 WJBR 99.5 DE Wilmington
 1829 WFRE 99.9 MD Fredrick 1218 WGAY 99.5 DC Washington
 1948 WQXA 105.7 PA York 1518 WJSE 102.9 MD Cumberland

Robert R. Sowinski report, continued

3/5 cont.				3/10			
1520	WYFM	102.9	PA Sharon	1429	Tr	WBEA	107.3 OH Elyria
1730	WETS	89.5	TN Johnson City	2243		WDMT	107.9 OH Cleveland
1815	WMHE	92.5	OH Toledo	2254		WIOT	104.7 OH Toledo
1820	WDIF	94.3	OH Marion	2306		WZZP	106.5 OH Cleveland
1916	WHEZ	103.3	WV Huntington	2356		WBAQ	101.9 WV Morgantown
1917	WBLY	102.9	OH Springfield	3/11			
1948	WTOO	98.3	OH Bellefontaine	1059	Tr	WNWR	90.9 OH Canal Fulton
2000	WKIQ	93.5	OH Bowling Green	1108		WWWW	106.7 MI Detroit
2014	WTLC	105.7	IN Indianapolis	1130		WJZZ	105.9 MI Detroit
2030	WKTN	95.3	OH Kenton	1142		WXEZ	105.5 OH Sylvania
2128	WTGN	97.7	OH Lima	1259		WCRF	103.3 OH Cleveland
2138	WCHO	105.5	OH Wash.Ct.House	1709		WPRO	99.1 OH Fremont
2311	WPTW	95.7	OH Piqua	1812		WTNS	99.3 OH Coshocton
3/6				1912		WLEW	92.1 MI Bad Axe
0725	Tr	WNKO	101.7 OH Newark	3/12			
2040		WBGU	88.1 OH Bowling Green	2205	Tr	WIYQ	99.1 PA Ebensburg
2130		WMCO	90.7 OH New Concord	2209		CKTB?	97.7 ON St. Catherines
2150		WKSX	99.5 OH Cleveland	2213		WQQQ	99.9 PA Easton
2210		WIOT	104.7 OH Toledo	2359		WRMU	91.1 OH Alliance(s/off)
2230		CJOM	88.7 ON Windsor	3/13			
3/7				1840	Tr	WDYL	92.1 VA Chester
1000	Tr	WPGW	100.9 IN Portland	1935		WRXL	102.1 VA Richmond
1012		WNRE	107.1 OH Circleville	1940		WKYS	93.9 DC Washington
1025		WMCO	90.7 OH New Concord	1946		WSSN	102.3 WV Weston
1040		WDIF	94.3 OH Marion	2000		WBKW	99.5 WV Beckley
1045		WAKW	93.3 OH Cincinnati	2030		WKEZ	95.7 VA Norfolk
1050		WBCO	92.7 OH Bucyrus	2129		WEZS	103.7 VA Richmond
1059		WIAN	90.1 IN Indianapolis	2229		CKPC	92.1 ON Brandtford
1100		WBCL	90.3 IN Fort Wayne	2259		WRCV	92.1 PA Mercersburg
1102		WBEX	93.3 OH Chillicothe	3/14			
1107		WVPE	88.1 IN Elkhart	1240	Tr	WKGO	106.1 MD Cumberland
1109		WUOM	91.7 MI Ann Arbor				
1127		WLQR	101.5 OH Toledo				
1130		WOMC	104.3 MI Detroit				

DXing with a Pioneer TX-9500 II tuner, and 10-element Yagi, All receptions are confirmed by either tape or signed report; new stations are underlined. 73 and good DX, Rick.

Steve West-432 Kenmore Road-Havertown, PA 19083

8/26	Tr	2000	WJLY	92.1	NC	Moyock (250)
			WOBR	95.3	NC	Wanchese (275)
8/28		2345	WAVT	101.9	PA	Pottstown (70)
9/1		0005	WDYL	92.1	VA	Chester (210)
9/2		2300	WWRJ	95.3	NY	Southampton (160)
10/26		2300	WSNI	104.5	PA	Philadelphia, \$, ex-WRCP
11/1	MS	0001	WIBA	101.5	WI	Madison (750)
11/9	Tr	2000	WJAC	95.5	PA	Johnstown (200)
11/20		2400	WWDR	98.3	NC	Murfreesboro (260)
12/1		0030	WEPP	107.9	PA	Pittsburgh (260)
12/8		0030	WTGM	89.5	VA	Norfolk (220)
1/1		0210	WQIX	100.9	NY	Horseheads (170)
		0220	WHUD	100.7	NY	Peekskill (120)
1/4		0220	WMJW	92.1	PA	Nanticoke (90)

These are my loggings for the winter. Most of the DX was weak but still logged a few new ones. Equipment: Heathkit AR-15, Stereo Probe 9, Panasonic Stereo Cassette Deck, Sears Silvertone Reel-Reel Tape Rec.

Fred Nordquist-7945 Boxford Road-Clay, NY 13041 (EST)

8/18	GW	1800	WECQ	101.7	NY	Geneva, \$102, r (ex-m)
8/19	thru	10/17				no DX noted due to excessive rainy wx.
10/18	thru	12/3				in Sunnysvale, CA on GE business (Love that sunshine!)
12/14	MS	2339				Frequent bursts, but no ID's.
1/1	Tr	0109	CBEE	95.1	ON	Chatham, CBC, s/off w/GSQ (300)
		0128	CING	107.9	ON	Burlington, \$r (180)
1/4	Au	1953	WNIC	100.3	MI	Dearborn, ID (365)
		2052	WMUZ	103.5	MI	Detroit, g (355)
		2053	WQRL	106.5	MI	Kalamazoo, m (475) previously by Tr
		2107	WMBI	90.1	IL	Chicago, g (600)
3/8	Tr	1746	CKO-FM3	97.5	ON	London, nx (255)
	GW	1752	WITC	90.9	NY	Cazenovia, r, mono (25) Cazenovia College
3/13		0400				The following Ontario stns were noted with OC:
		CJBC-17	95.5	CKO-FM2	99.1	CKO-FM3 97.5
		CBCK	107.5	CFCA	105.3	CKTB 97.7

Fred Nordquist report, continued

3/25 Au 2138 WPTW 95.7 OH Piqua, local ad (465) previously by Tr
 2200 WRNZ 99.7 OH Columbus, Reds BB, ID (410) " " "
 2203 WUGN 99.7 MI Midland, wx, ID (400) previously by Tr
 2215 WJFM 93.7 MI Grand Rapids, ID, m (475) " " "
 3/26 Tr 1630 WJOI 93.7 PA Pittsburgh, "Joy Radio," (265)
 1650 WDBN 94.9 OH Medina, m (315)
 1700 WGTB 90.1 DC Washington, r (300)
 Au 2205 WYVA 94.1 VA Yorktown, ID (420)
 4/1 AS 1940 WJMJ 88.9 CT Hartford, "JMJ News Roundup," lady annr (180)

DXing this winter would have been pretty bleak if it wasn't for some Aurora openings and some new Canadian stations logged. Send me your FM Scoreboard/Statistics updates. Let's hope for another outstanding summer of Es to bring our totals up, and break some more distance records. 73, Fred.

C'est la guerre. Appreciate Frank Aden, Jr. sending the reports that had been gathered in various places over the winter, so that we could have a rather full May column. Deadline for the June issue will be May 15th; please report those DX catches now. 73, Bruce.


To commemorate the 1978 International Radio Club of America's Convention, the Portland Convention Committee has designed a special QSL card to be issued by KBOI 670, Boise, Idaho. W1FDA member Bill Frahm is handling the QSLs for the station and if you hear KBOI FM 97.9 this summer, send a report and maybe Bill will send you the special IRCA card.

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NBC RADIO NETWORK

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AUG 11, 12, 13

Portland
OREGON

Flamingo
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International Radio Club
of America






Photo courtesy The Alliance Times-Herald

Replacement Estimated at \$850,000

Channel 13 Tower Collapses

Thousands of Nebraska ETV Network viewers who live in Nebraska's Panhandle have been without their favorite programs—MASTERPIECE THEATRE, ANY-ONE FOR TENNYSON? and even SESAME STREET—since the KTNE-TV, Channel 13 transmitter tower near Alliance collapsed February 6.

NETV Commission engineers are utilizing all available channels in an attempt to restore the Network signal to the Panhandle, but they concede it may be six months or longer before a new tower is built and normal service is returned.

No one was injured in the mishap. Two engineers, Larry Hanson and Joe Fairfield, were on duty at the time the 1,499-foot tower collapsed.

Bill Ramsay, NETV director of engineering, said the collapse may have been caused by wind vibration in combination with an ice buildup on guy wires which broke a U-bolt that anchored a guy wire to the top of the tower.

The tower has had an effective radius of 73 miles which covered the Panhandle, except the northwestern corner, and parts of eastern Wyoming. Officials are estimating the cost of replacement at about \$850,000.

In the meantime, the Channel 6 translator in Chadron has been retuned to receive the Channel 12 KRNE signal from Merriman. A temporary antenna on loan from RCA has been erected at the tower site to provide limited coverage to a 20-25 mile area.

As a temporary measure to continue to provide instructional programs to Panhandle schools, the Alliance station has been videotaping programs from the Network's KPNE-TV station in North Platte via a microwave link. The taped ITV programs are then distributed to schools that want them.

CHOICE/March 1978

FROM NETV "CHOICE"
submitted by Neil Zank

Cable TV rule invoked by FCC

WASHINGTON (AP) — The Federal Communications Commission has voted 5 to 2 to allow a cable television system to offer all programs from distant stations whose signal the cable system is required to carry — even those programs which duplicate programs of local stations.

The majority agreed Wednesday that there was a need to reconcile a conflict between two commission rules. One of these requires a cable TV system to carry all stations significantly viewed in its community. The other rule says stations distant from the community must be blacked out when the program on the local station is duplicated.

Commissioners Abbott Washburn and Robert E. Lee opposed the change, saying changing the rules would go against the commission's long-standing policy of promoting localism in broadcasting.

The old rule allowed for waivers where the cable TV system could show harm by the blackout of programs. The change will shift the burden to the broadcaster to seek a waiver by showing his station would be harmed by a blackout of programs on the cable system.

The rule will not affect the blackout of duplicated programs from distant stations that the cable system is not required to carry.

OREGONIAN, March 24, 1978

TV Audio Takes Turn for Better

INSIDE VIEW: A new audio transmission system may be the reason your television set has sounded a little differently lately.

The new system gives the audio a wider frequency response, which means a better range of highs and lows. Sound will seem much crisper on most sets, although some — small portables in particular — will have a hiss-like noise when people speak.

Don Clausen, chief engineer at KCETV, says the new system sends the audio "piggyback" on microwaves, along with the video signal.

Prior to a few weeks ago, sound was sent over telephone lines, which don't carry a signal as clearly. TV broadcasts, he said, now are approaching hi-fidelity, at least in the transmissions.

Clausen said the advantages of the system are now apparent only to owners of console sets with big speakers. But in the future, he said, televisions will



be built to accommodate a better sound signal.

The result, along with improved network engineering, may be television broadcasts in stereo that will rival radio and recordings.

FROM OMAHA WORLD-HERALD,
March 3, 1978

Submitted by Neil Zank



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WORLDWIDE TV-FM DX ASSOCIATION

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TO BEAT**

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