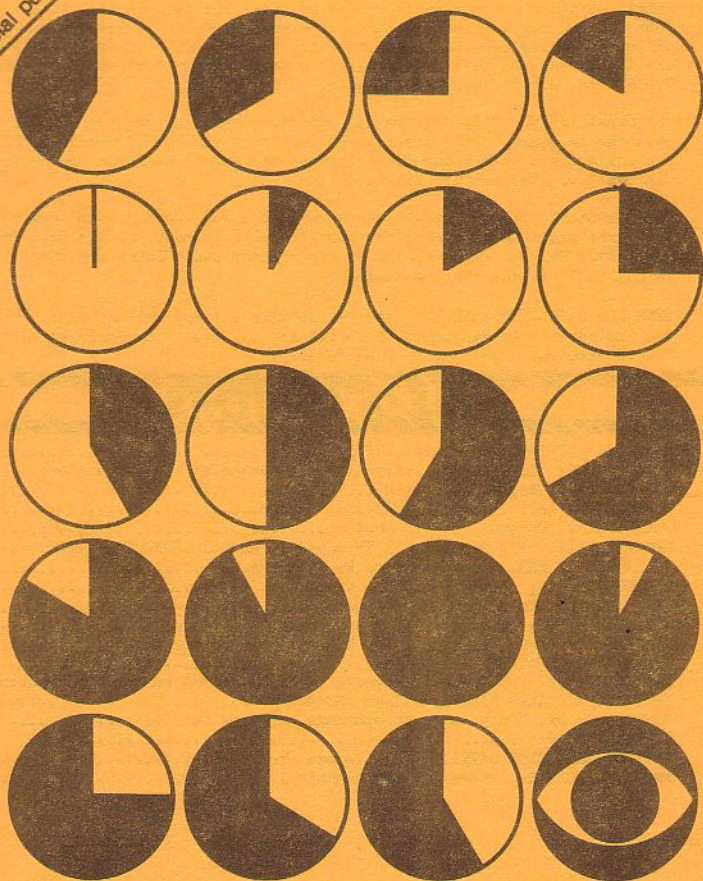


**VHF-VEHF
DIGEST**
the official publication of the Worldwide TV-FM DX Association

SEPTEMBER 1978

THIS MONTH

**WMMU feeds Satellite
VHF Great Lakes**



From The Staff :

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

CONVENTION 1978...Since Ted Fleischaker is currently working on his FCC licenses a report does not appear this month. Early reports indicate a turnout in the 30's and some very successful activities. Hopefully a complete report will be available for the October issue. We all wish Ted good luck in passing his exams.

CONVENTION 1979...Bids are now being accepted for next year's convention. If you wish to host the 1979 WTFDA Convention please write HQ in Whiting. If possible, when bidding please include details on dates, location and activities. Preliminary reports already indicate two different locations are thinking about hosting 1979's convention.

HELP!...Typists are needed to retype material for presentation in the VUD. Both old and new material on hand in Newport needs to be retyped and your editor currently does not have the extra time to do it himself. If you are interested and have a typewriter in good condition please write editor Frank Aden, Jr. for complete details.

VHF GREAT LAKES...Bill Hepburn has written a very informative article on what can be heard in the Great Lakes region on the VHF PSB Bands. Bill has collected a very interesting list of the marine services and their frequencies. The article starts on page 38.

MORE TVOntario...Paul Petosky has submitted a map showing locations of the TVOntario stations including the new CIGO-9 in Thunder Bay and CIGO-20 in Sault Ste. Marie. Paul reports he has already seen CIGO-9 and that CIGO-20 is currently in the testing stage.

WNMU NOW SATELLITE FEEDER...Page 45 contains a press release from WNMU-13, the PBS station in Marquette MI, which is now feeding an Earth satellite. The release was submitted by Paul Petosky.

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MAILBOX

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

New Members:

<u>Al Albrecht</u>	Handicap Village 1209 N. 9th St. W. 9127 Coral	Clear Lake, IA 50428
Walt Breville	630 S. Ardmore	St. Louis, MO 63123
Karl Forth	74 Silverspring Cr.	Villa Park, IL 60181
Tom Huehn	51 E. Somerset St.	Kitchener, ON N2M 4P4
Dan MacDonald	524 Wardlaw	Raritan, NJ 08869
David McBride	225 E. Dolliver	Winnipeg, MB R3L 0M1
Terry Morris	Box 603	Osceola, IA 50213
C. Hooper Phillips	5567 Magnolia Terrace	Virginia, MN 55792
Alphonse B. Tobia		Fremont, CA 94538

Renewals:

Roy Barstow, Randall Clark, John Clemmer, Mike Dalton, Doug Everitt, Joe Fela, Paul Gaines, David Legler, Eldon Luoma, Andrew Mahoney, Walter Patton, Rich Segalas, Steve Shaffer, Michael Sweeney.

Rejoins:

Bill Heusmann-1438 33rd-Des Moines, IA 50311
Lorne Larson-Box 388-Shaunavon, SK S0N 2M0
Gordon Nelson-48 Hardy Ave.-Watertown, MA 02172

Address Changes:

Robert Foxworth-GPO Box A-866-New York, NY 10001
Alan Hobson-1 Tremoh Court-Probos, Truro-Cornwall, ENGLAND TR2 4JX
Neil Zank-623 Lyncrest Drive-Lincoln, NE 68510

Renewals Due in October:

Dr. R.B. Ammons, Tom Bishop, John Callarman, Gary Casler, Neil Dickerson, Randy Dorman, Vernon Eaton, Robert Eddy, Barry Lubas, Doug Mackey, Dr. Joel Rosenberg, John Sevier, Robert Sowinski, Kevin Smiley, Leopold Taylor, Randy Tomer, Dr. Richard E. Wood.

24 year old AL ALBRECHT is also into shortwave DXing. His DX gear includes a Panasonic stereo.

Dr. Bruce Elving's FM Atlas inspired TOM HUEHN to join the club. Tom's shack features a Sony STR-7065 receiver and a Delhi 10 element FM antenna.

Garden State new member DAN MACDONALD also enjoys SW and BCB DX. He's a member of ADEX and SPEEDX.

DAVID MCBRIDE is a chemistry professor. DX equipment includes a Collins R390A and an RF2200. David belongs to the NRC and the University of Manitoba DX Club, an ANARC associate member organization.

From the Hawkeye state comes new member TERRY MORRIS. He's employed as a plumber, and enjoys DXing FM, BCB, and shortwave. A member also of the NRC, Terry uses an RF2200, DX160, and a Realistic TRF.

WTFDA member Joe Fela encouraged C. HOOPER PHILLIPS to join the club. His DX gear includes a Toshiba TV, a Pioneer TX9500 receiver, a Winegard 5200 antenna with a preamp, and a Winegard 10 element FM antenna.

Have some suggestions on a good DX TV? Then let ALPHONSE TOBIA know about them. Alphonse is a broadcast engineer who also belongs to NRC. He'd also like your tips on using rabbit ears antennas.

Tidbits.....

This is from Don Davis (107 Oakdale Drive, Warner Robins, GA 31093): "I'll be doing something shortly to get the QSL Bureau off the ground. I overloaded myself with college classes, and a new job recently. I was amazed to see Mr. Ross brag about his QSLs in the QSL column and not use any return postage! This is the #1 reason so many stations won't verify. SASE is the only way to go!" The QSL bureau was mentioned in the Mailbox several months ago. The idea is to get DXers to manage certain stations in their general area, and when a fellow DXer hasn't received a verification from a station in over three months, the manager will personally take a copy of the report to the station and try to get it verified. The bureau will also be used by IRCA and NRC members, so that we can get a great number of stations covered. For more information on the project, write to Don.

Good to have Bill Heusmann back in the club! Bill hosted the club's first convention many moons ago. He writes, "Lately I've been almost entirely inactive, partially due to my apartment situation making it difficult to get antennas up. I'm currently looking for a house, though."

Gary Casler writes: "If anyone is interested in microwave communications (1 Ghz to 300 Ghz), please contact me, as I'm starting a Microwave Communications Information Exchange (MCIE). MCIE is non-profit and formed to distribute and collect microwave communications information. For more information, contact MCIE, c/o Gary Casler, RR #1, Chatfield, MN 55923. Please include a SASE and 25¢ to cover postage. The 25¢ is for photocopying information about MCIE."

Still looking for a Sony ST5130 receiver? Such a deal we have for you. David McLaren (RR #2, County Line Road, Rock Falls, IL 61071) wants to sell his. It's in good working order, and he wants \$200 for it, shipped postage paid. Anyone interested can contact him at the above address.

Member Robert Dally, Jr. writes with information about himself: "I am 37 years old, a foreign language teacher at both the university and high school levels. I have been fooling around with TV DX since the early 1950's and in the past five years have also gotten interested in shortwave and even medium-wave DX, mainly as an outgrowth of my knowledge of foreign languages, which I am able to maintain better with the aid of broadcasts. I belong to a number of DX radio clubs, such as MASWA, NRC, SPEEDY, etc., etc. As for television, my equipment includes: 1) 19" Magnavox color portable with unbelievable selectivity! (uhf tuner); 2) Channel Master VHF antenna (model number forgotten) next to largest size; 3) Winegard 75 ohm AC-2950 antenna booster for VHF with TWO FM traps installed to get rid of local FM signals. There are no VHF stations here in Youngstown; 4) UHF eight bay antenna with Channel Master model 0071 UHF booster also 75 ohm. We have four million watt UHF stations here and nevertheless this booster will accept their huge signals and still amplify weak ones!; 5) Both antennas are fed with 75 ohm coax line specially ordered at 50¢ per foot!, number 14 AWC wire, and has the lowest possible loss. It is RG-11/U foam and at channel 83 has 5.1 db loss per 100'. At channel 2 this loss is only 1.1 db per 100'; 6) Inside the house on VHF only there is also a Winegard distribution amplifier model A-215 75/300 ohm, with plus 15 db gain. The main reason for this huge system is to beef up the channels which we can get here regular and we are able to get nearly 20 channels regularly from: Cleveland, Canton, Akron, Youngstown, Alliance, and Steubenville, Ohio, plus Erie and Pittsburgh, Pennsylvania, Wheeling, West Virginia, and often, London, Ontario. For DXing perhaps all this is not necessary, although it has helped to get some very interesting distances at times, such as Casper, Wyoming, Havana, Cuba, and Sydney, Nova Scotia. It is only recently that I became aware of the terms such as tropo and Es and that I began to understand the nature of what causes these distances. I do not have time to monitor a TV set all day long, but am interested in delving more into this phenomenon if possible.

Can you give me the location of people or literature which describe TV DX in other countries, particularly how they cope with the fact that different nations use different line standards and even different frequencies. What can be done to receive such stations in the US or is this even possible?"

Non-member B.C. Dosi lists his DX achievements in his country, India: "Although here at Chandigarh we don't have any local TV stations, I get regular daily transmissions from Mussorie (ch. E10) relay station about 130km far. During rainy and winter seasons we get Amritsar (ch. E7), which is 240km far, with fair to good signals. Lahore (ch. E5) also appears with fair to good signals on rainy and winter days which is 260km. Occasionally I have received by F2 such far stations as Calcutta (ch. E4) 2,000km, Bombay (ch. E4) 1,500 km, Madras (ch. E4) 2,500km, and some Pakistani stations ranging between 500-1000km on channels E8 and E10. What more interesting is that I receive fairly good (video only) from USSR station channel R1." (Catches sound more like Es than F2. His address is Post Box 53, Chandigarh-160017, INDIA-jz)

Well, that about wraps it up for this month.....see y'all in October...
73.....jz

kfyf-fm
92.9

BOX 1738
BISMARCK, ND 58501

"Good Time Company"
KSRD
STEREO
97

P.O. Box 101 / Seward, Nebraska 68434

FCC FM NEWS

Bruce F. Elving, Editor
161 East Fifth Street
Duluth MN 55805

Because of a wonderful turnout at the excellent convention in Louisville, hosted by Ted Fleischaker and Wayne Murphy, many changes have been added to my FM station computer list by members. I also did extra traveling, getting to New York City, with additional FM and SCA changes noted because of that trip. Data are presented two ways. The first part contains all the new station grants and earlier changes; the last part is organized by states and contains all types of changes (except new station grants). This format is necessary because of the pressure of time, and not having plenty of the data cards to organize them differently.

New Stations Granted (College)

AL Mobile *90.5 10 watts; Spring Hill / AR De Queen 52.7 3000 h.v.; 220'
CA Chester K232AG 94.3 (KSJUE-FM 92.7 Susanville CA translator); m: 1 watt CA China Lake K257AJ 99.3 (KLOS 95.5 Los Angeles); \$, rp [this translator was originally on 92.7, but thought to have been deleted, then resurrected on 99.3]. CA China Lake K276AN 103.1 (KGLH 95.1 San Bernardino); 1 watt; \$, gr. CA Happy Camp (41-51-30; 123-21-13) K265-AF 109.9 (KTMT 93.7 Meador OR); \$, m, 10 CA Pebble Beach *91.5 10 Stevenson School CA Sacramento *91.5 10 San Juan School CA Salinas 95.9 K240AH (KAMB 101.5 Merced \$, g, 1 watt [Francisco]; \$, g, 1 watt) CA Ukiah K296BE 107.1 (KEAR 97.3 San / CO Boulder K221AM 92.1 (KXXX 95.7 Denver) \$, UPI Audio, pr. CO Colorado Springs K260AU 103.9 (KVOD 99.5 Denver); \$; stereo; c; power not said. CO Grand Junction *88.5 250; 430'; c; CO Steamboat Springs K252AK 98.3 (KVOD 99.5 Denver); \$, c, 10 watts FL La Belle 92.1 3000 h.v.; 300' FL Marco 101.1 100000 h.v.; 660' HI Maui ("Up Country," 20-52-55; 156-31-05) K244AG 96.78 (KAD1 95.1 Waikuku); mc, D IL Chicago *88.7 10 WLUW--Didn't delete IL Glenview *88.9 10 Midwest Academy IL Springfield 96.7 50000 h.v.; 470'; pr KS Concordia 95.3 3000 h.v.; 160' KS Parsons 93.5 3000 h.v.; 265'; rk MI Marquette W285AH 105.5 (WNOT 107.1 Ishpeming MI); \$, m, 1 MI Ontonagon *88.5 10 - Schools NT Bozeman 93.7 100000 h.v.; 220'; mj MT Helena 92.1 3000 h.v.; -410'; rn NE Gordon 95.5 30000 h.v.; 310' [m, 10-w. NV Carlin K240AI 95.9 (KSRN 104.5 Reno) / NV Stalene K265AE 100.9 KEZC 101.7 Truckee CA); \$, nk, power not known NH Nashua W27N-FM 106.3 3000 h.v.; 165'; \$, Mutual; interim authority to operate NY Hampton Bays 107.1 3000 h.v.; 300'; rn NY Hornell 92.1 3000 h.v.; -40' NY Manlius (Syracuse) 95.3 410 h.v.; 705' OR Marion *W257AB 99.3 (WCVO 104.9 Gahanna); \$, g, U OK Seminole 105.5 3000 h.v.; 295' OR Klamath Falls K278AA 103.5 (KVIP-FM 98.1 Redding CA); \$, g, 10 watts OR Port Orford K292BC 106.3 (KURY-FM 95.3 Brookings OR); m; 10 watts PA Edinboro *88.7 10 Edinboro State Coll. SD Deadwood K249AD 97.7 (KRCS 93.1 Sturgis); \$, mk, 1 watt SD Gregory 101.5 100000 h.v.; 640'

TN Elizabethton W202AA *86.3 (WMDW 86.9 Chattanooga); g, U. TN Johnson City, Kingsport and Bristol W217AA *91.3 (WMBW 86.9); g, U. TN Summertown *86.3 10 Radio Free Bcstg. TX Burnet 107.1 3000 h.v.; 300'; m AT Fort Creek 91.3 38; CBC-AM; CBX (AM) ON Peterborough-Cobourg 93.5 28400; CBC-AM, English [French-CJRC (AM) ON Thunder Bay 89.3 27400 h.v.; 568' time / PQ Iles de la Madeleine 95.3 4500; CBC-AM (English); CBM (AM) relayer MT Absarokee K252AJ (KURL-FM 97.1 Billings); \$, ng, 10 watts.

Call Letters (see also below)
CT Middlefield *90.5 WPBH (not WEDH-FM) GA Brunswick 101.5 WYNR-FM (WYNR-FM; AM has new call letters but FCC does not recognize this change in FM call letters, which I alone do!) KY Jeffersonton 101.7 WZZX ME Machias 95.3 WALZ ME Presque Isle 96.1 WTMS MI Detroit 92.3 WTRW (WCAW-FM); rn (as k); 21500 h.v.; 700' OH Kenton 95.3 WKTN (WKTV-FM) OK Oklahoma City 98.9 KTLS (KFJL) TN Oak Ridge 100.3 WOKI-FM (WOKI-FM) WA Richland 94.9 KIOK

SCA news (see also below)
MO Farmington KTJJ 96.5 no SCA [news. WI Tunah W7HE-FM 96.5 Mutual, plus WI / MB Winnipeg CBW-FM 96.3 tone all the time (+X).

NonDers, or slogans sometimes said in lieu of call letters
FL West Palm Beach WNGS (WWRN) 92.1, "Wings-92"; r (from n)
IN Paoli WUNE-FM 95.3 "U and Me," r; \$ IL Decatur W0ZQ 95.1 95-0 [a nonDer. IA Burlington KGRS 107.3 uses calls; not / IA Waterloo KXEL-FM 105.2 uses "not " IA Waterloo-Cedar Rapids KFMW 107.9 is "Stereo 106." MI Battle Creek WKFR 103.3 Stereo 103 MO Eldon KLDN 92.7 \$, rk, on air, "Lake92" MO St. Louis KCFH 93.7 "CFM." OH Mount Vernon WVVW-FM 93.7 0-94; now r OH Upper Sandusky WYAN 95.9 now "96-FM," rn (from k) OH Wapakoneta WAXC (from WERM) 92.1, "Wazy-FM-92, rock ON Sault Ste. Marie 104.3 CJOH (from CKCY-FN); rk; "FM-104." WA Tacoma KINQ 92.3 Q-97-FM WA Seattle KSEA 100.7 101-FM OR Lake Oswego 106.7 XMGK "Magic 107." OR Salem KSKD 105.1 "Rock 105."

Dual-City Identifications

CA Carmel KLRB 101.7 adds Monterey
CT Waterbury W10F 104.1 adds Hartford, now rn; no SCA heard.
MA New Bedford WJFD 97.3 adds Fall River
MS Natchez W0ZB-95.1 adds Vidalia MS MO Tarkio KTRX 93.5 3000 Rockport MO NC Burgaw WJPC 99.9 adds Wilmington OH Mansburg WFCJ 93.7 adds Dayton PA State College WTLR *89.9 adds Bellefonte PA; \$; stereo; +X (SCA telemetry noise or teleprinter).

Facilities (see also below)

AR Magnolia KFMV 107.9 adds vertical
CA Berkeley KALX *90.7 has vertical (9 watts, 770', if you contrast calculations made by 10-watt stations)
IL Lincoln WPRC-FM 100.1 has vertical
NY Rochester WRUR *88.5 19000 h.v. (120')
OK Edmond KCSC *90.1 100000 h.v.; 430'
WA Aberdeen KDUX 104.7 (from Ocean Shores WA)

On Air and DX Ready, but nonidentifiers!

ON Kenora CXS8-7 93.5 20000 h.v.; 328'; all French, with "CXS8 Winnipeg" mts-ID's.
ON Kenora *98.7 38000 h.v.; 328'; CBC-English network, but with silence during CBC-ID times. No call letters listed anywhere. Seems to have programming originating from CBC-Winnipeg, but is not strictly the same as Winnipeg 98.3 or 990 AM.

Formats/Networks (see also below)

CA Fresno KVPV *89.3; c; P IL Morton WTAZ 102.3 m (from p); still N; \$ IN Greenfield WSMJ 99.5 M (from U); new calls and format expected
IN Rockville WAXI 104.9 Mutual MI Ironwood WIMI 99.7 NBC NC Raleigh WCFE *89.7; mc; \$; horizontal only. OR Corvallis KFLY-FM 101.5 p (from rc) OR Eugene KFMV 97.9 p OR Portland KINK 101.9 rp ("Stereo 102.")

Abbreviations used this issue

*educational or noncommercial station; \$ is stereo; g horizontal polarization, v vertical polarization; + SCA (67 khz). Music: c is classical, e ethnic, g gospel, j jazz, k is country, L Latin, n middle of the road or easy listening, n all news, p progressive rock, r rock oldies and top hits including "easy rock"; s soul, t all talk. "Disco" is rs or sr, as in WKTU 92.3 New York. Networks: A ABC-FM, B National Black Network, C CBS, E ABC Entertainment, I ABC Information, M is Mutual, N NBC, P National Public Radio, S is Associated Press Audio, U United Press Audio, Y ABC Contemporary, Z Mutual Black network.

SCA Symbols used: A ABC networks, E ethnic and foreign language, F farm news, G gospel, L Mutual network; M or MZ music or Muzak, N NBC network, Q Physicians Radio Network, S sports or special events, T talk, TB is talking book for the blind, X facsimile, audible teletype or teletext chirps. New to the complete list of FM changes by states as taken off the computer list, and all noted after July 24, 1978:

- AL Birmingham WVOK-FM 99.5 rp
WXXX 106.9 rp
Decatur WEQM *91.7 adds SCA
AK Anchorage KHVN 100.5 4135' (from -325'),
power remains 25000 h,v; g.
Anchorage 103.1 *KSKA (Calls granted)
AR Little Rock KZQZ 94.1 rp, *KQ-94.
AR Texarkana KOSY-FM 102.5 U
CA Anaheim KEZY-FM 95.9 r
Bakersfield KLYD-FM 94.1 nr
KGFN 101.5 m
Fresno KFIG 101.1 rp
Los Altos KFJC *89.7 108 h,v, 1300',
but another source says 850', so which?
Los Angeles WMET 94.7 rp
KWSL 105.9 rp
Nevada City KVMH *89.5 10 h,v
Ontario KNIF 93.5 -165' (3000 h,v)
Ridgecrest KFIO 104.9 Calls.
Riverside KLLU *89.7 3000 h,v; 300'
Sacramento KERS from 90.7 to *88.9,
23000 h,v; 600'
San Diego KXYX 96.5 nr
KIFM 96.1 nr
KOZN 103.7 m
Shafter KOEZ 97.7 k
CO Boulder KBCO 97.3 p (from c)
CO Cortez K205AK 104.9 (from 105.5, K268BB)
Denver KXXX 95.7 pr
KIMN-FM 96.5 rp
KBPI 105.9 rp
Lamar KLMR-FM 93.3 480' (1000000 h,v)
Pueblo KZLO 100.7 nr
CT Bridgefield WRKI 95.1 rp
Derby WLNW *90.1 has vertical
Hartford WITIC-FM 96.5 r
Newark WLYQ 95.9 nr
Stanford WYRS 96.7 nr
Waterbury WNYZ 92.5 no SCA
FL Clearwater WOKF 95.7 +1 (PRN?)
Fort Pierce WOVV 95.5 r (not rk)
Jacksonville WJAX-FM 95.1 p (not r)
WAVE 96.9 rp
WJEE 107.3 \$
Key West WVKF 95.5 245' (100000 h,v)
FL Melbourne 107.1 WLLV (was WTAL-FM)
Miami Beach WAWL 93.9 100000 h,v; 600'
WJNZ-FM 94.9 rp
Mount Dora WORJ 107.7 rp
Pensacola 101.5 WTXX (WROP-FM)
GA Columbus WFKX 104.9 sr
Jesup WIFO 105.5 adds SCA
GA Sandersville WSNT-FM from 94.3 to 93.5,
150' (3000 h,v)
Smyrna WOXI-FM 94.1 70000 h,v; 690'
Vienna WTCQ 97.7 adds SCA
HI Hilo KKEA 97.9 35000 h,v, directional;
-240'; reduces coverage significantly.
Honolulu KIKI-FM 93.9 -129' (100 kw h,v)
ID Boise 104.3 KNFR-FM; adds SCA
Lexington KOZE-FM 96.7 2000 h,v; -620'
Soda Springs K272AG 102.3 relays K1SN
(new calls for K1UB-FM 97.1) Salt Lake C.
IL Arlington Heights WMMH 92.7 r
Chicago WOOI *88.9 ethnic
- IL Chicago 99.5 WEFM (although authorized MI
WICV, apparently will stay with WEFM)
IL De Kalb WDEK 92.5 no SCA
Edwardsville WSIE *88.7 no SCA
Fairfield WFIN-FM 104.9 3000 h,v; 275'
Jerseyville WJBM-FM 104.1 adds SCA
Joliet WAJP 93.5 m
Lansing WLNZ 106.3 mg [h,v]
Lawrenceville WAKD-FM 103.1 240' (3000
Moline WHTT 96.5 rp
Pekin W5IV-FM 95.3 \$
Winnetago WYFE 95.3 rp
Woodstock WARD 105.5 rp
- IN Bloomington WGTC 92.3 +X (tone SCA)
WNBW 96.7 rock (stereo?)
Columbus WCSI-FM 101.5 S (from U)
WWVY 104.9 no SCA
Elkhart WYEZ 100.7 music SCA
WAXX 104.7 no SCA
Fort Wayne WIPU *89.1 c; \$
WCMX 101.7 rp
Frankfort W1LO-FM 99.7 rp
Gary WQVE *88.7 tr
Indianapolis WBOG *90.9 c
WVAP 93.1 r (not p)
Lafayette WAZY-FM 96.5 rp
Michigan City WMCB 95.9 stereo
Plainfield WART 98.3 kg
Scottsburg WHP1 100.9 \$
South Bend WNDU-FM 92.9 r
Sullivan 95.3 adds vertical
- IA Carroll KCFM-FM 93.7 adds SCA
Clear Lake KZEV 103.1 r; \$
Fairfield KBCT adds SCA
Fort Dodge KKEZ 94.5 100000 h,v (600')
Maconoketa KRAQ-FM 95.3 120'; adds v
Waterloo *86.1 KBBG
- KS Liberal KEZS 105.5 adds vertical
Topeka KQVV 100.3 100000 h,v (260')
- KY Carrollton WHCM 100.1 r; S; no SCA
Erlanger WPKC \$ 100.9
Harrsodburg WHBN-FM 99.3 nr
Leitchfield 104.9 WNHG (was WMTL-FM)
Lexington WKQZ 96.1 100000 h,v; 650'
Louisville WUOL *90.5 no SCA
Murray WAAW 103.7 rp, "the FM station."
St. Matthews WNUV (WSTM); r, 3000 h,v;
270'. Versailles WJMM 106.3, "J-106."
LA Bastrop KJBS 100.1 adds SCA
Monroe KRER 106.1 adds SCA
New Orleans WWHO *89.9 50000 h,v (600')
- ME Portland WDCS 97.9 no SCA
WGAN-FM 102.9 no SCA
- MD Baltimore WRBS 95.1 adds SCA
Cumberland WNGO 106.1 no SCA
Oakland 92.1 WXIE (was WMSG-FM)
- MA Gloucester WVCA 104.9 1600 h,v; 130'
Orleans WLOM 104.7 rp; music SCA
Salem WYMM *91.7 130 h,v; 78'
Sandwich WSDH 310 h,v; 150'
Springfield WNAS-FM 94.7 nr
Taunton WRLM 93.3 r
- MI Boyne City WCLX 93.5 k (not kn)
Carol W10D 104.9 pr
- MI Detroit WABX 99.5 8500 h,v; 780'
Grand Rapids WEHB *89.9 rs, no stereo
Grayling WQON 100.1 300' (3000 h,v) has a
telemetry SCA; will be on air soon; \$, k.
Hastings WGBH-FM 100.1 295' (1800 h,v)
Ipsilochen W1AA *86.3 no SCA
Mt. Pleasant WWHW *91.5 r
Muskegon WQXD 96.3 rk, or what the mgr.
calls "adult contemporary," refused to be
pinned down as to what "a-c" really meant!
Saginaw WNW5 107.1 no SCA
Sault Ste. Marie W5UE 101.3 talk SCA;
carries national weather service station.
MM Brainerd KLJZ-FM 107.5 50000 h,v; 345'.
MM Brainerd W1JY 106.7 adds SCA; heard
testing (100000 h,v; 448').
Forest Lake WLLX 95.9 adds SCA
MS Carthage 96.3 30000 h,v; 300'
MO Columbia KTGC 96.7 k
Crestwood KSHE 94.7 no SCA
Eldon KLDN 92.7 \$, rk, on air
Jefferson City KJFF 106.9 600' (100 kw,h,v)
Lexington KBEK 107.3 \$, k
St. Louis KBDY *89.9 not on since Jan.
KCFM 93.7 r
Trenton KTTN-FM 92.1 370' (1750 h,v)
- MT Havre *90.1 KNOS
- MT Missoula KDAT 93.3 43000 h,v; 2550'
NE Scottsbluff KMOR 92.9 1020' (100000 h,v)
- NV Las Vegas KNPR *89.5 adds v
- NH Claremont WECM 106.1 music SCA
Newport WCNL-FM 101.7 stereo
Plymouth WPHM-FM 100.1, \$, r
Rochester 95.7 has vertical
- NJ Atlantic City 96.9 WFPG (WFGP-FM)
Blairstown WFMV 106.3 no SCA
Dover WJHA 105.5 no SCA
Newton W1XL 103.7 music SCA
Zarephath WAWZ-FM *99.1 no SCA
- NM Roswell KRKY-FM 97.1 adds vertical
NY Albany WBSH 106.5 no SCA
WGHX 107.1 +Q
Babylon WBAB 102.3 pr
Briarcliff Manor WRWV 107.1 pr
Brooklyn WKR8 *90.9 pr
Buffalo WBUF 92.9 rp
Corning WCEB *91.9 delete
Ellenville WELV-FM 59 h,v; 1630'
Garden City WBAI-WHPC *90.3 incl
Hempstead WVIC *86.7 pj
Jamestown *91.5 WJJK
Lancaster WSMH *89.9 delete
Liberty WVO5-FM 95.9 2500 h,v; 300'
Mt. Kisco WVIP-FM 106.3 no SCA
New York WFOV *90.7 cr; SCA temporarily
inactive, but to be taking book
WKTU 92.3 k
WNYC-FM *93.9 no SCA (SCA is
reserved for administrative announcements,
but SCA is rarely heard by anyone)
- NEAR *99.5 tc
WRFM 105.1 +X (teleprinter noise)
Olean 100.9 WBJZ
Poughkeepsie 101.5 WPDH music SCA
104.7 WSPK music SCA
Riverhead WRCH-FM 103.9 2800 h,v (320')

FCC-FM

NY Rochester WKQJ 92.5 rp
Sag Harbor WLND-FM 92.1 r
Smithtown WCTO 94.3 300' (3000 h,v)
Soyset WKWZ *88.5 pc
Syracuse WOND 107.9 50000 h,v; 900'
NC Charlotte WFAE *90.9 adds SCA
Havelock WQZ 93.9 WMSQ (WKVQ-FM)
Winston-Salem WKZL 107.5 adds SCA
OH Bellefontaine 98.3 WQGM (apparently
having changed back from WTDQ-FM); \$, r, Y
Bryan WBND-FM 100.9 Y; no SCA
Canton WTOF 98.1 g
WOOS 106.9 r (not nm)
Dayton WTUE 104.7 rp
Delphos WDOH 107.1 no SCA
Eaton WJAI 92.9 Stereo
Fostoria WFOB-FM 96.7, \$, nm
Hamilton WLWS 96.5 15000 h,v; 810'
WOKV 103.5 \$, r, *103' WOKV'
Johnstown WWWJ 103.1 no SCA
Kenton WKTN 95.3 3000 h,v; 275'
Kettering WVOU 99.9 rp
Lima WIMA-FM 102.1 23000 h,v; 240'
Marion WDIF 94.3 nm
Milford WLYK 107.1 no SCA
New Lexington WWJM 106.3 \$, m, S Audio
Toledo WKLR 99.9 7000 h,v; 180'
Xenia WBEI 95.3 r
Zanesville WHIZ-FM 102.5 to add \$, and
to change music formats Sept. 1, 1978.
OK Bethany KJIL 104.9 300' (3000 h,v)
Oklahoma City KTLN 98.9 r
KATT-FM 100.5 570' (100 kwh,v)

PA Bedford WAKM 100.9 no SCA
Boyerstown WBYO no SCA (107.5)
Carlisle WHYL-FM 102.3 stereo
Charlert WESA-FM 98.3 no stereo
Clearfield WCPA-FM 95.5 Y
Du Bois WCEB-FM 102.1 no SCA, rock
Greencastle WKSL 94.3 g
Grove City WEDA 95.1 8500 h,v; 185'
Harrisburg WNSP 94.9 A-music
WHP-FM 97.3 no SCA; CBS only
after midnight.
Jenkintown W1BF-FM SCA is +X.
Lancaster WLAN-FM 96.9 nm; SCA is local
talking book for the blind
Linesville WVCC 101.7 adds SCA
Lock Haven WHPZ-FM 92.1 S
Mechanicsburg WOVE 93.5 340 h,v; 760'
Middletown *91.1 WMSG
Milton WMLP-FM 100.9 SCA is +X
Philadelphia WKPN *88.9 U; no SCA
WRTI *90.1 SCA is +X
WWOB 96.5 all talk; no \$
WNGK 102.9 no SCA
WNSH 106.1 music SCA
Pittsburgh KDKA-FM 92.9 no SCA
WPEZ 94.5 no Y
WYDD 104.7 rp
WEPP-FM 107.9 50000 h,v; 500'
Pottsville MAVT 101.9 no SCA
Ridgway WTMX 92.1 no SCA
Scranton WEXZ 107.1 no SCA
Somerset WVSG-FM 97.1; no SCA
State College WQWV 96.7 r; no SCA
WXLK 103.1 r, "X-103."
Stroudsburg WVPO-FM 93.5 nr
Warren WRN 92.3 music SCA
Waynesburg WAMB-FM 103.1 no SCA
Wellsboro WGR 104.5 no SCA

PA Wilkes-Barre WYZZ 92.9 music SCA
Williamsport WILQ 105.1 k; S Audio
York WBSA-FM 103.3 no SCA
RI Coventry *91.5 WCVY
Providence WPRO-FM 92.3 no SCA
Westerly WERI-FM 103.7 nt
SD Brookings 94.3 KGKG (KBRK-FM)
Mitchell 107.3 KGRN
TN Chattanooga WYMQ 106.5 r
Kingsport WKPT-FM 98.5 a
Knoxville W1YK-FM 107.7 1970' (100000 h,v)
Memphis WKHO-FM *91.1 no SCA
WSMM *91.7 250 h,v; 185'
KWAM-FM 101.1 g
WZZR 102.7 no network
Trenton 97.7 WTNE-FM'
TX Alvin KACC *91.3 800 h,v; 120'
Beaumont KQXY 94.1 69000 h,v (600')
El Paso KFIM 92.3 Stereo
95.5 KLAQ (KUOE)
Fort Worth KESS 93.9 adds SCA
Fredericksburg KNAF-FM 101.1 Mutual only
Longview KYXK 105.7 1140' (100000 h,v)
Merkel 102.3 KBGG-FM
Palestine KHIM 98.3 to add music SCA
Prairie View KPVO from 86.3 to *91.3
UT Salt Lake City *90.9 adds vertical
97.1 K1SN (FROM KLUB-FM); also
KLUB-FM translators now relaying K1SN 97.3.
VA Harrisonburg 104.3 has vertical
Norfolk WNSB *91.1 960 h,v; 120'
Richmond WRFK *106.5 240' (50000 h,v)
Williamsburg WBCEI 96.5 r
WA Moses Lake 100.3 KFMT (KW1Q-FM)
Seattle KNHC *89.5 adds SCA
KYYX 96.5 adds SCA
Tacoma KBRD from 103.9 to 103.7 100000 h,v;
1670'; 54 miles primary; 104 mi secondary.
WV Charleston W224AA delete
Fairmont WFGM 97.9 no SCA; telemetry only
New Martinsville WKGI 103.9 no SCA
Wheeling WKWK-FM 97.3 Muzak
WCPI 98.7 no SCA; 50000 h,v; 390'
WI Milwaukee WKTI 94.5 15000 h,v (510')
WLUW 99.1 "FM-99."
Ripon WCMC-FM 95.9 adds stereo
WY Casper KWY 94.5 adds SCA
PR Fajardo WMDM-FM 96.5 adds SCA
Mayaguez WKJB-FM 99.1 adds SCA
Utah 104.1 WERR (from WUPR-FM)

Readers' Reports

WPAD-FM 96.9 Paducah KY heard with "R-97"; presaging new calls?
Unusual E's by John Ebeling brought in probable reception of CKQN
99.3 Baker Lake, NWT, but station did not identify even though com-
ing in 50 minutes and no id heard on hour, but plenty of local items.
Rick Samford says this column too filled with chit-chat and much of
it could be eliminated to save me time. I agree, and will stay on at
least for a while as editor. KAZI *88.7 Austin has been delayed
about 3 years for lack of funds to start; still inactive but has c.p.
Greg Monti says "thank you for selling me such a simple and well-
designed SCA adapter. It only took a little pecking around to hook it up
to my Lafayette table radio." I called PRN when in New York and found out they will fight me in court if
I go too far selling SCA to the public. Bob Foxworth sent an article on WRTN 93.5 New Rochelle NY's
"return radio" mor format. Jerry Lee, WDVR Philadelphia, has proposed using SCA to give call sign
of stations continuously. "Receiving set would identify call with each signal it picks up, and display
sequence of calls as listener tunes across dial. Move is considered logical extension of digital frequency
read outs now appearing in top-of-line radio sets," says Broadcasting, July 3, 1978. A possible aid to
FM DXing, but at the expense of meaningful SCA programming?

Contributors: Bill Coleman, Jr., Rocky Mount NC; John Ebeling, Prossit MN; Richard T. Eddie, Saint
Louis MO; Robert L. Foxworth, New York NY; Dave Hascall, Fortville IN; Nick Lombardi, Atlanta GA;
Eldon S. Luoma, Surrey BC; George McClintock, Memphis TN; Greg Monti, Bayville NY; Paul Petosky,
Munising MI; Rick Samford, Burnet TX; Ken Simon, West Palm Beach FL; Ralph Strobel, Muncie IN;
Larry Weil, Acton MA; Robert K. Wonders, Pitcairn PA; Bob Wright, Concord NH; Neil G. Zank,
Lincoln NE; E. A. Zigoy, Aloha OR. In addition, several of the convention attendees in Louisville KY
made corrections and data entries to my computer list. Contributions are appreciated, but cannot be
acknowledged. Tapes, pictures, logos, etc. are appreciated, but cannot be returned without return
postage. 73, *Bama*

PTL TRANSLATORS? Voice magazine and TV's "PTL Club" have made mention of a proposal that will go before the FCC. The Full Gospel Businessmen's Fellowship International (FGBMFI) wants to finance hundreds of translator stations in U.S. communities to rebroadcast the 24-hour PTL Satellite Network. This and the Iron Mountain MN application (see previous page) are the first two attempts that I know of to use translators to pick-up a satellite feed. The legal confusion alone will give the FCC some headaches. (See Feb. '77 CATJ Journal)

CANADIAN NEWS: The CRTC has decided against issuing licenses for the low-powered rebroadcasting stations provided in some remote Northern Canada communities by David Brough. (See April '78 VUD, p. 28). Reasons given include failure to obtain program rights for the taped programming, failure to meet Canadian content requirements, and the proposal to use scrambled signals to restrict reception to those who pay a fee. (Pay-TV!! Shrewd cookie, this guy...). Areas already served or soon to be served by Mr. Brough's transmitters include South Bay Mines, Ear Falls, Ignace, Sioux Lookout, Nakina, Longlac, Wawa, Couchenour, Pickle Lake, Mataabi Mines, Moosonee, Kenora, Fort Frances, Atikokan, Druden, Terrace Bay, Geraldton, and Caramat, all ON; Leaf Rapids, Lynn Lake, and Gilliam MB; Uranium City SK; Frobisher Bay, Inuvik, Pine Point, Fort Smith, and Hay River, all NWT. Several of these areas have existing television service. The announcement was accompanied by a request for legitimate applications for new stations in remote, unserved communities. (Perhaps some Canadian readers can verify the existence of these stations when in the various towns.)

NOTICIAS DE MEXICO: XEFB-3 Monterrey NL, and XHAE-5 Saltillo COAH are now running parallel programming at least part of the time, as seen by this editor. I have viewed separate IDs for both stations, as well as a joint ID, over XEFB-3. XHAE-5 was listed as being Net-2--this, too, may have changed. Those who know of Mexican travelers, please attempt to obtain recent TELE-GUIAS. The most recent ones I have seen are about two years old--not much help!

MISCELLANY: Construction was expected to begin during July on the multi-station RCA tower atop the World Trade Center in New York that will accommodate 10 TV stations and up to 15 FM stations. The structure will rise 351.5 Ft. above the 1353 ft. building. Construction is expected to take about six months.....In Providence RI the applicants for Ch. 16 want to change that CP to Ch. 64.....Two groups, one a Palm Beach concern, the other from WPBT-2 Miami, are vying for the open Ch. 42 ETV spot in West Palm Beach FL. The Palm Beach group wants to erect a 2000-ft. tower, which would be the second tallest in the U.S., and rent space to Chs. 5 & 12, as well as the not-yet-existing station on 25.....WTOG-44 has been seen with live baseball via satellite from WGN-9 and WOR-9. Also seen was an L.A. vs. Pittsburgh game--from KTBN-40 or who? Perhaps Bob Cooper could supply a list of independent stations that are known to be on the satellite.....Ch. 26 will be applied for in Daytona Beach FL. The application, not yet official, is by Springfield Television Corp. of Springfield MA. The station would be independent with a 1000' tower. They hope to be on the air by fall of '79 as there are no other applicants and no apparent opposition.

CONTRIBUTORS this month include myself, Ken Simon of West Palm Beach FL, and Frank Aden of Bend OR. Not exactly a great turnout!! I would like to see enough information each month to have a column similar to Bruce's FCC-FM NEWS. Good DX and 73.....JOHN.

From Marquett MI The Mining Journal
7-29-78. Submitted by Paul Petosky.

Television station building addition

Construction has begun on an addition to the offices and studios of WLUC-TV, a subsidiary of the Post Corp. of Appleton, Wis.

The L-shaped addition, which will provide more space for the station's news, sales and production facilities, is expected to be completed late this year or in early 1979, according to Thomas Gagnon,

general manager.

When completed, the facility will have doubled in available work space, and station officials said they plan to host an open house to allow the public to see the new facilities.

WLUC-TV broadcasts on Channel 6 and is an affiliate of the CBS and ABC television networks.

QSL CORNER

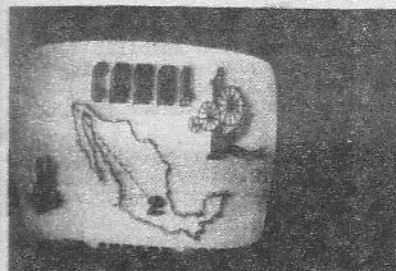
Thomas J. Vingling, Jr.
221 Pinewood Road
Baltimore, MD 21222
Deadline: 10th

TV-QSL

- NS CBHT 3 Halifax, P. O. Box 3000, 83J 3E9. CBC card in 3 weeks, signed by Geavette Gill (I think) of Public Relations. Hascall.
- ON CBOT 4 Ottawa, P. O. Box 3220. Letter & CBC QSL Card from Mrs. G. Ethier, Audience Services, reply in 2 weeks. Blevins.
- CKPR 2 Thunder Bay, 87 North Hill St. Letter & map from Debbie Volbracht, Sec. to Chief Engineer. Reply back in 12 days. Mullis.
- PQ CJBR 3 Rimouski, 13 Rue St-Jean-Baptiste. Send QSL-like map of coverage in 2 weeks, signed by R. J. Thirriarrit, CE. Mullis.
- FL WBBB 13 Panama City, P. O. Box 1340, 32401. Letter signed by Douglas M. Grimm, General Manager in 11 days. Gill.
- GA WSAV 3 Savannah, East Victory Dr. Letter from Bryon Strong, CE, Blevins.
- WTCG 17 Atlanta, 1018 W. Peachtree St, 30309. Letter signed by E. B. Wright, Chief Engineer in 2 1/2 weeks. Gill.
- IL WCIA 3 Champaign. Filled in type letter from Dale Flemmings, CE confirming my report in 3 weeks. Hascall.
- LA WGRD 26 New Orleans, 2912 ITB Bldg., 2 Canal St, 70130. Letter signed by Joseph P. Connolly, Asst. Chief Eng. in 4 months! Gill.
- KTAL 6 Shreveport, 3150 North Market St, 71107. Hand written letter from David L. Handricks, CE verifying my report. Mullis.
- MI WJBK 2 Detroit, 2 Storer Place, Southfield, 48075. Card & letter from Roderick Luoma, Eng. Dept. with no return postage. Ross.
- WKBD 50 Detroit. QSL-Card, unsigned, no return postage used. Ross.
- MN WCCO 4 Minneapolis, 50 South Ninth St., 55402. Letter & map from Tom Cousins, Promotion Director in 13 days. Blevins.
- KSTP 5 St. Paul. QSL-card showing station building. Signer F. L. Street, CE, reply in 8 days. Mullis.
- NE KNOP 2 North Platte. Letter from Ross Hutchinson confirming report in 5 weeks. Hascall.
- NC WRDU 28 Durham. Filled in prepared card from G. C. Perry, DE, K4ITT. Simon
- OK KOTV 6 Tulsa, QSL-card with specs from E. C. Allen, CE in 2 weeks. Mullis
- KTEW 2 Tulsa, P. O. Box 3002, 74101. Zerox letter with date filled from John D. Barth, CE in 22 days. Mullis.
- PA WPVI 6 Philadelphia, 400 City Line Ave, 19131. QSL-Card & coverage-map from J. G. Ross Chief Engineer in 1 week. Mullis.
- WCAU 10 Philadelphia, City & Monument Aves, 19131. Letter from C. Robert Gross, Dir. of Eng. Reply in 19 days. Mullis
- WHP 21 Harrisburg, Telegraph Bldg, 17108. Letter from Maurice Gannaway, Dir of Eng. & Radio Programming. Reply in 18 days. Blevins.
- WTPA 27 Harrisburg, 3235 Hoffman St, Memorandum letter from station, no signer, no return postage used, reply in 3 weeks. Blevins.
- WITF 33 Hershey, Box Z, 17033. Letter from John A. Bosak, K3IBN. Mullis.
- WTAF 29 Philadelphia, Box 7112, 19117. Letter from Bernard F. Guevich, CE. Blevins.
- WKBS 48 Philadelphia, 3201 S. 26 St, 19145. Letter from Glenn H. Rensos, Engineering Manager. Reply came in 13 days. Blevins.
- TX KRGV 5 Weslaco, Box 626, 78596. Card & map, no signer, reply in 10 days. Hascall.
- KTVW 36 Austin, P. O. Box 490, 78767. Letter signed by William M. Hamrick, Eng Dir in 17 days. Gill.
- KIII 3 Corpus Christi, 4750 Padre Island Dr, 78411. Letter from T. D. Austin, CE, reply in 20 days. Mullis.
- KBTX 3 Bryan, 77801. Letter (used SASE) in 3 weeks with partial verification from W. B. Cos, CE Goodman

Reporters this month are Dave Hascall, of Fortville, IN; Don Blevins of Baltimore, MD; Gary Mullis, of Baltimore, MD; Jim Gill of Bradenton, FL; Robert Ross of London, ONT; Ken Simon of W. Palm Beach, FL & Robert Goodman of Cicero, IL. This was an all tv qsl month. I wish when members report qsl's, that they would give the address of the station. This helps members who don't have address books. I hope others had better luck this year on the E-skip. For me this had been the worse yet with the least numbers of times I got any at all. I'm glad I got what I got. I did get up on my dish a BT-CMA-ub preamp and it works great, better than the AC-4990 by Winegard. Next month will be PS & FB QSL's again. 73's for now, Tom

September, 1978



XEWT-12 Tijuana, BC Mexico
(Lobel) (Photo is of XEWT's
ID while rebroadcasting XEW- 2, Mexico
City. A map of Mexico is shown, with
a line going from Tijuana to the '2'
placed at Mexico City - jja)



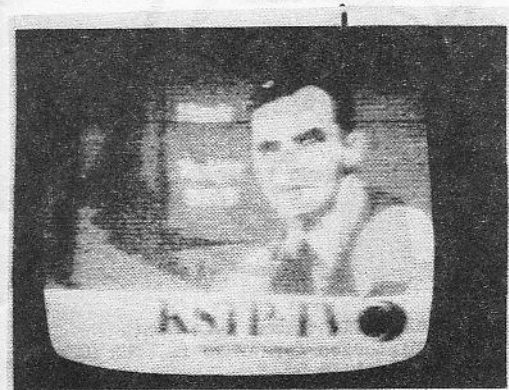
WBBM- 2 Chicago, IL
E-skip (Simon)



WCWB-41 Macon, GA
320 mile tropo (Combs)



WQAD- 8 Moline, IL
375 mile tropo (Gaines)



KSTP- 5 Minneapolis, MN
E-skip
6/9/76, 1620 PDT (Aden)

My thanks to this
month's contributors:

Albert S. Lobel, San Diego CA
Ken Simon, West Palm Beach FL
John F. Combs, Orlando FL
Paul Gaines, Detroit MI
Frank Aden, Bend OR

If you got some good
photos from this year's
E-skip season, don't forget to
send some in...

73 and good DX, *Jim* 11

Memorabilia

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

September 1978

This month, MEMORABILIA presents an old TV schedule from Amarillo TX, and the test pattern of one of Amarillo's TV stations, KGNC-4, now using the call KAMR (TV). DXer Frank E. Aden, Jr. submitted the TV schedule. Thank you very much, Frank! The test pattern was drawn by your editor (me).
---rjw.

18-B Sunday News-Globe Amarillo, Texas, Aug. 12, 1973

4	KGNC NBC	7	KVII ABC	10	KPDA CBS	11	KTVT	13	KERA	39	KDVT
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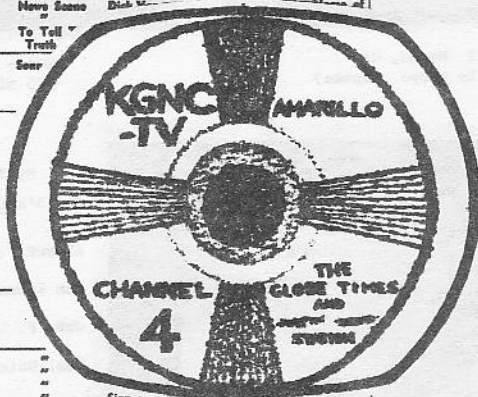
Tuesday

8	:00	"	"	"	"	"	"	Special of the Week:	Hogan's
	:15	"	"	"	"	"	"	Debate on	Homes
	:30	"	"	"	"	"	"	Women's Lib	Shows
	:45	"	"	"	"	"	"	"	"
9	:00	NBC	Marcus	Bippy	Movie:	The Session	"	"	"
	:15	Repeats	Walby	"	"Bumoff	International	"	"	"
	:30	"	"	"	& Juliet"	Performance	"	"	Channel 39:
	:45	"	"	"	"	"	"	"	"The Mating"
10	:00	Newswatch	Pro News	News	News Weather	Tribute to	Season"	"	"
	:15	"	"	Scene	Movie cont'd.	Southaven	"	"	"
	:30	Tonight	"	CBS Late	"	Newsroom	"	"	"
	:45	Show	Bonanza	Movie:	"	"	"	"	"
11	:00	"	"	"Bunny	"	"	"	"	"
	:15	"	"	O'Hare"	"	"	"	"	"
	:30	"	"	"	Movie II:	Sign Off	"	"	"
	:45	"	On Location	"	"Night"	"	"	"	"
12	:00	Newswatch	with Howard	"	Runner"	"	"	"	Sign Off
	:15	"	Coveil Pt. 2	"	"	"	"	"	"
	:30	"	"	"	"	"	"	"	"
	:45	"	"	"	"	"	"	"	"

Wednesday

4	KGNC NBC	7	KVII ABC	10	KPDA CBS	11	KTVT	13	KERA	39	KDVT
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6	:00	Newswatch	Pro News	News Scene	Dist. v.	"	"	"	"
	:15	"	"	"	"	"	"	"	"
	:30	High	Jeanie	To Tell	"	"	"	"	"
	:45	Chaparral	"	Truth	"	"	"	"	"
7	:00	"	Love Thy	Son"	"	"	"	"	"
	:15	"	Neighbor	"	"	"	"	"	"
	:30	Mystery	"Dad"	"	"	"	"	"	"
	:45	Movie:	"	"	"	"	"	"	"
8	:00	Bonanza	"	"	"	"	"	"	"
	:15	"Ten Thou-	"	"	"	"	"	"	"
	:30	sand Dollars	"	"	"	"	"	"	"
	:45	A Page"	"	"	"	"	"	"	"
9	:00	World	Owen	"	"	"	"	"	"
	:15	University	Marshall	"	"	"	"	"	"
	:30	Games	"	"	"	"	"	"	"
	:45	"	"	"	"	"	"	"	"
10	:00	Newswatch	Pro News	"	"	"	"	"	"
	:15	"	"	"	"	"	"	"	"
	:30	Tonight	"	"	"	"	"	"	"
	:45	Show	Bonanza	"	"	"	"	"	"
11	:00	"	"	"	"	"	"	"	"
	:15	"	"	"	"	"	"	"	"
	:30	"	"	"	"	"	"	"	"
	:45	"	"The House	"	"	"	"	"	"
12	:00	Newswatch	and The	"	"	"	"	"	"
	:15	"	Brain"	"	"	"	"	"	"
	:30	"	"	"	"	"	"	"	"
	:45	"	"	"	"	"	"	"	"



Due to vacation, there will be no MEMORABILIA column next month (October). Hey, guys, how about some more DX Histories for "THIS IS YOUR DX", which appears some months in MEMORABILIA. See y'all in 60.

73s, best of DX, *Bob*

46.02	FL	GA	NC	VA	OH	MO	CA	AL	TX	AZ											
46.06	FL	NC	SC	VA	OH	ND	CA	OR	AL	AR	LA	MS	TX	NV	CO						
46.08	MT	AZ	UT	CT	ME																
	FL	GA	NC	SC	VA	WV	KS	MN	CA	AL	LA	TN	TX	CO	AZ						
	CT	NH	NY	UT																	
46.10	FL	NC	VA	WV	MI	OH	ND	CA	OR	WA	TX	CO	MA	NH	NY						
46.12	FL	GA	NC	SC	VA	WV	OH	CA	AL	CO	NV	CT	NY	VT							
46.14	NC	WV	OH	IA	KS	MN	CA	WA	CT	ME	NY										
46.16	FL	SC	CA	CO	CT	NY															
46.18	FL	GA	NC	VA	WV	OH	IA	CA	MD	NJ	PA	ID	UT	CT	MA						
	NH	NY																			
46.20	FL	NC	SC	OH	KS	MN	CA	CO	CT	MA	NY										
46.22	NC	OH	MN	PA	MA	NY															
46.24	NC	OH	CA	NJ	PA	CT	NY	RI													
46.26	GA	NC	CA	CT	NH	NY															
46.28	CA	MD	NJ																		
46.30	OH	CA	NY																		
46.32	FL	MI	MN	CA	NY	MD	NJ														
46.34	VA	CA	NY	MD																	
46.36	FL	GA	NC	VA	WV	OH	CA	CO	NY	RI	MD	NJ	PA								
46.38	SC	VA	WV	MI	OH	KS	CA	MD	NJ	PA	CO	CT	MA	NY	RI						
46.40	FL	SC	VA	OH	SD	CA	MD	NJ	PA												
46.42	FL	GA	NC	VA	WV	MI	OH	CA	CO	NY	MD	PA	NJ								
46.44	FL	SC	VA	OH	CA	NJ	PA	NV	NY												
46.46	FL	NC	VA	WV	MI	OH	MN	ND	CA	MD	PA										
46.48	GA	NC	VA	OH	CA	NJ	CO	NY													
46.50	FL	NC	VA	WV	OH	MN	ND	CA	MD	NJ	PA	NV	WY	CO	CT						
	MA	NY	RI																		

MEDICAL EMERGENCY SERVICE CHANNELS

MED:1 Base 463.00 Mobile 468.00
 2 Base 463.025 Mobile 468.025
 3 Base 463.05 Mobile 468.05
 4 Base 463.075 Mobile 468.075
 5 Base 463.10 Mobile 468.10
 6 Base 463.125 Mobile 468.125
 7 Base 463.15 Mobile 468.15
 8 Base 463.175 Mobile 468.175

RADIO COMMON CARRIER MOBILE TELEPHONE (Mobile telephone not operated by the telephone company)

Channel 1	152.03	Channel 21	454.025
Channel 3	152.06	Channel 22	454.05
Channel 5	152.09	Channel 23	454.075
Channel 7	152.12	Channel 24	454.10
Channel 9	152.15	Channel 25	454.125
Channel 11	152.18	Channel 26	454.15
Channel 13	152.21		

Blue Ridge Memorial Parkway 167.15
 United States Park Police 166.725 F-1
 166.925 F-2
 166.85 F-3
 John F Kennedy Center 409.05
 Jefferson National Forest 171.575

Next months feature will begin the regional features with Chicago, Ill metropolitan area. If you have anything to add to my information, don't hesitate to write. Until next month's issue.....that's all folks!!!!



VHF UTILITY DX

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

SEPTEMBER 1978

A.H. Ellis, 19 McClure Ave., Brantford, ONT, Canada N3R 4L7

7-2: 30-50, to west coast and TX

11: 2100 EST, KCB891 35.58 Boston, MA-pgr

KCC266 " Springfield, MA-pgr

then things in TV, FM, and 144 MHz; 30-50 RI to IA to deep south with perhaps some of the rescue operations at the collapsed hotel in Victoria, TX

Donald L. Blevins, 407 Langley Rd., Baltimore, MD 21221

5-23:
1937 KKP998 45.10 Laurel, MS-cp

6-11:
1811 KSB230 42.60 Joliet, IL-sp

1826 KAJ780 42.54 Duluth, MN- "

1840 KSA495 39.50 Havana, IL-cp

1904 KFA419 42.38 Tomah, WI-sp

1905 KRV285 " Ridgeway, " "

1908 KAA201 42.06 Macon, MO-sp

----- " Nipigon, ONT-pp

1920 KSG396 39.50 Mt Sterling, IL-cp

1922 KSA464 42.50 Pesotum, IL-sp

1938 KAA202 42.06 Lees Summit, MO-sp

1944 KSD627 42.42 Peru, IN-sp

1950 KKD317 42.08 Greenwood, MS-sp

6-12:
1843 KFP2915 44.98 Wichita, KS-sp

2045 KAA270 42.06 Poplar Bluff, MO-sp

6-13:
1121 KKC603 42.90 Dallas, TX-sp

13:
1132 KKC523 42.90 Waco, TX-sp
KYL816 " Texarkana, " "

1201 KKI414 " Tyler, " "

6-27:
1129 KEB525 154.37 Brooklyn, NY-f

1132 KKB244 42.08 Batesville, MS-sp

7-5:
0136 KEC989 154.13 Newark, NJ-f

0200 KJK607 151.25 NY, NY-p

0220 KEI863 155.685 Happague, NY-cp

7-11:
2202 KQA291 42.58 Cheboygan, MI-sp

2214 ----- 42.06 Sau. Ste. Mar., ON-pp

----- " Sudbury, " "

2215 KQG977 42.58 Munising, MI-sp

2225 KQA287 " Reed City, " "

2234 ----- 42.06 White River, ON-pp

2236 ----- " Emil, " "

2241 ----- " Temagami, " "

Neil Dickerson, 426 State St., Sharptown, MD 21861 Realistic PRO-1

5-29:
0930 KAR438 39.82 Standish, MI-p

KAY996 " Grayling, " "

0934 KLL539 " Mio, " "

0935 KQP209 " Petoskey, " "

0937 KQC584 " Traverse City, " "

1000 KQE228 39.58 E Lansing, " "

1008 KAB308 42.46 Lincoln, NE-sp

1009 KAB309 " Omaha, " "

1010 KAB310 " Norfolk, " "

1011 KAB311 " McCook, " "

KAB313 " N Platte, " "

1012 KJU314 42.46 Pagosa Spgs, CO-sp

1013 KAH369 " Denver, " "

KAG885 " Wray, " "

1015 KSM248 39.46 Hays, KS-p

1016 KAA399 " Topeka, " "

1017 KAD508 39.58 Oskaloosa, " "

1018 KDV824 39.82 Reed City, MI-p

1021 KQB385 44.74 New Phila., OH-sp

1030 KQB369 " Fairfield City, " "

KQD884 " Toledo, " "

1033 KFM545 " Weymouth, " "

1034 KQB376 45.02 Wooster, " "

1035 KQB364 " Georgetown, " "

KFM545 " "

29:
1035 KAP225 39.90 Aurora, NE-h

1036 KAG291 " Trenton, " "

1040 KJR405 " Avoca, " "

KRT946 " Plattsmouth, -lg

1100 KDB435 46.06 Sandusky, OH-f

KTI689 " Old Fort, " "

KQH419 " McCutchenville, " "

KLX955 " Tiffin, " "

1101 KSC804 42.42 Evansville, IN-sp

1103 KAH775 42.82 Hawley, MN-sp

1105 KQG442 39.82 Alpena, MI-p

1106 KQH450 39.48 Marietta, OH-p

1107 KQP511 39.24 Huron, " "

KAR675 " Sandusky, " "

KAB510 39.10 Platte, SD-p

1108 KUL854 " Hetland, " "

1110 KUN623 " Osawatomie, KS-p

1111 KAB545 " Elk Point, SD-p

1115 KAA828 " Plankinton, " "

1116 KXU219 39.04 Sturgis, " "

KDP990 39.10 Yankton, " "

1120 KA0812 42.64 Ainsworth, NE-sp

1130 KCI658 33.78 Jackson, MI-f

KDP998 " Mich. Center, " "

KCY614 " Portsmouth, OH-f

-cont-

(Dickerson cont.)

5-29:				13:			
1150	KDG846	33.82	Waldo, OH-f	1145	KGC263	33.90	Colchester, CT-f
6-10:				1148	KDV881	33.80	Rensselaerville, NY-
1530	KK0968	46.06	SwansonPark, TX-cf	1156	KCF539	33.78	Colchester, CT-"
	KKR990	"	Ft Worth, " "	1200	KDP393	33.70	E Randolph, NY-cf
1535	KCE972	45.20	PineBluff, AR-p		KDP406	"	S Dayton, " "
1540	KCU201	45.28	Little Rock, " "		KDP408	"	Versailles, " "
	KRO219	"	Monroe, LA-lg		KDP389	"	Allegheny, " "
1600	KTS736	46.38	Logansport, "-f		KDP410	"	Yorkshire, " "
1602	KLU512	33.70	Marahan, " "		KDP345	"	LittleValley, " "
1615	KIB505	44.62	Montgomery, AL-sp		KDP399	"	Gowanda, " "
	KIB513	"	Huntsville, " "		KDP382	"	Ellicottville, " "
	KIA360	"	Hamilton, " "		KDP392	"	E Otto, " "
1616	KIX588	"	Alexander City, " "	1205	KGE271	33.98	Erie, PA-f
1900	KDN952	46.06	Bogalusa, LA-f		KPT506	"	PortAllegheny, " "
6-13:					KBG921	"	Meadville, " "
1100	KCA282	39.10	Ft. Fairfield, ME-p	1210	KCD648	"	Erie, " "
	KBR639	"	Southborough, MA-p	1213	KGA210	"	Conneaut Lake, " "
	KCC330	"	N Redding, " "	1215	KGB900	"	Erie, " "
	KCB300	"	Marlborough, " "		KGC903	"	" " "
1104	KEG979	"	Old Forge, NY-"		KGE675	"	Summit Twp, " "
1105	KRG723	39.24	Northfield, MA-"	1216	KGW744	"	N Monesson, "-vf
1107	KSU989	"	Monroe, " "	1420	KBW780	39.82	Roscommon, MI-p
	KSU988	"	Layden, " "	1421	KQA290	"	Traverse City, " "
1110	KXL361	39.28	Danbury, CT-"		KQA932	42.48	E Lansing, "-sp
1111	KJE247	39.50	Westport, " "	1425	KOG525	"	Petoskey, " "
1112	KDE706	"	Auburn, NY-"		KQA290	"	T. City, " "
1115	KCH465	"	Amherst, NH-"	1430	KCE683	46.06	Tiverton, CT-f
	KFP292	"	Wellton, " "		KCC639	"	Newport, RI-"
1125	KCF586	33.70	Strafford, CT-f		KCC574	"	Manville, " "
	KCF598	"	Westport, " "	1431	KCC453	"	Portsmouth, " "
	KCF585	"	Shelton, " "		KJU234	"	Colchester, VT-"
1130	KCF600	33.86	Stanford, "-cf		KCL245	"	Fairfield, CT-"
	KCF590	"	Redding, " "	1432	KCH884	"	Naugatuck, " "
	KCF593	"	Fairfield, " "	1434	KCD924	42.14	PresqueIsle, ME-sp
	KCF588	"	Bridgeport, " "		KCF794	"	Machias, " "
	KCE691	"	Weston, " "	1435	KCA869	"	Skowhegan, " "
1131	KBA626	33.50	Burlington, "-p	1437	KCA784	42.04	Stafford, CT-"
1134	KTC889	37.90	NY, NY-lg		KCA790	"	Cornwall, " "
	KTC884	"	Brooklyn, " "	1439	KCA782	"	Southbury, " "
1140	KCC996	33.56	Trumbull, CT-f	1440	KCA695	33.78	Manchester, NH-f
	KCD806	"	" " "		KCE789	"	E Swansea, " "
1137	KUX463	37.10	Durham, "-p	1445	KCR901	33.98	Rochester, " "
1141	KIU513	33.90	Plymouth, MA-f	1500	KWI913	46.06	NiagraFalls, NY-f
1142	KCA288	"	PresqueIsle, ME-"		KCU281	"	" " "
1145	KJW545	"	Groton, CT-"	1505	KSB433	45.86	Dellafield, WI-lg
	KCC838	"	" " "	1513	KYX938	33.70	Danville, IL-vf

(c-county, s-state, v-volunteer; f-fire, p-police, lg-local government)

My loggings. SX-62, Swan 250. GMT used

7-6:	1747	KAA893	35.22	St. Louis-tp	3:	2100	35.58	(F2)
1:	2155	FY7AS	50.1-	French Guyana-amateur (3Es)	4:	2128	45.12	(F2)
30:	1925	36.35	(F2)		2240	KSC645	35.58	Chicago-tp
31:	2025	31.68	(F2)	35.58	(F2-bs)	OK City	"	-vp
8-1:	2015	37.34	(F2)					(both F2 bs)
2:	0019	KIN645	35.22	Miami-tp				lots of 43's tp and 42's sp
	1830	35.78	Brazil ? (F2)	(tp-tone				F2 backscatter also in
				pager;				vp-voice pager)

Also reports of extensive 144-MHz Es from New England to central US on evening of July 11.

Aug 4th high F2 due to magnetic activity.

CCI UNIDENTIFIED DX

William J. Draeb
Ellis St. R.R.#2
Kewaunee, WI.
54216
(414)-388-2350

Deadline: 1st of each month.

With increased Es activity, the reports have increased. I would, however, like some of the reporters to give more information if possible when reporting. It will save time.

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

"Greetings. A few words and questions about the cci column: (1) Assume someone writes "PTA: N.E." Does this mean you check only N.E. TVG's? (Yes, unless the unided leads me to believe otherwise. Actually, "N.E." or any direction is really too vague. I would prefer having the DXer nail the unided down to a few stations. This can be done by reading offsets, observing DX on other channels and their programming, thereby narrowing down the possibilities.--wd) I think all possibilities should be checked: i.e., 2-hop, short skip, 2-direction openings, etc.(First of all, checking all possibilities would mean checking just about every station and this is impractical. If you want me to check a few specific stations, tell me which ones and I will.--wd) (2) I, for one, have seen almost every feasible ch.3 & 4 Es station from my QTH, yet I will continue to send so-called "routine" unids on those channels because: (a) The possibility of 2-hop exists and (b) identifying a station as carrying a certain TP or program, even if it is a relay, can be used in the future to eliminate that station when researching unideds."

- Sun. April 30 Es 1231 ch.3 "Newsprobe 3". Appeared to be discussion rather than newscast. PTA: midwest. (WKZO,WJMN,WCIA,WKXC,WREC,KTVO, KMTV,KARD, WISC, KIMT,WAVE, all negative--wd) Time--CST
- Fri. May 5 CDT Tr 0702 ch.19 unided 3/4 color bars. WMAH seen later, this may be them. PTA: SE
Tr 0720 CDT ch.16 resolution chart to W., on & off for 15-20 min. I think this is KEDT; can anyone confirm? PTA: TX
- Mon. May 8 Ms 0657 CDT ch.3 end of "PTL Club". PTA: SE or lower midwest. (nothing checks--wd)
- Wed. May 17 Tr 0430 CDT ch.4-3/4 color bars with "Good Morning" & other info supered. Definately not WWL as they were in with movie at the time. PTA: SE
- Tue. May 23 Es 0616 CDT ch.4 "Real McCoys". PTA: TX, OK(not TX, OK, MD, NE or KS--wd)
Es 0620 CDT ch.3 - 3/4 color bars(KYTV&KMTV start programming at 0630; KARD at 0645 & KACB at 0700 --wd)
- Sun. May 28 Es 1608 EDT "Bob Mc Lean Show". PTA: Canada(TV Guides no help the "Masters Tournament" is listed in that time slot for most stations; ch.4 included. CFCM and CHFD also negative--wd)
- Tue. May 30 Es 1014 EDT ch.3-- slide: "Metro Region Conservation" PTA: Canada; possibly CKVR. Telephone no. seen--661-6600.(All Eastern Canada negative.--wd)
- Sun. May 28 Es 1608 EDT ch.3 Show about body building. PTA: Canada(East-ern Canada negative.--wd)
- Tue. May 30 Es 0951 EDT ch.4 "Leave it to Beaver". PTA: NE & Canada(NE Canada, PA & NY negative--wd)
Es 1015 EDT ch.4 "Joker's Wild" PTA: entire NE and Midwest.
Es 1027 EDT ch.4 "End delayed ABC "General Hospital". At 1030 went into CBS "Price is Right". Either Canada or a Z-net stn.
Es 1028 EDT ch.4 "End "Upbeat". ID with logo as shown:
Es 1325 EDT ch.4 "Mid-day" PTA:WCCO(WCCO checks--wd)
Es 1333 EDT ch.4 "Cross Witts" (KPRY checks--wd)

(Thanks for the Christian Broadcasting Network info--wd)



Randy Dorman Jr.; 8113 Spaulding Circle, Severn, MD 21144

- Wed. May 31 Es? ch.6 2301 EDT Newscaster Jim Gardner.
- Sun. June 11 Es? ch.3 1146 EDT A show called "The Brown's Journal" was on. Later that same station had an ad for the Lafayette Zoo. Is that Lafayette, LA or somewhere else?(sounds like you're on the right track--wd). Also had slogan, it's "Summer TV 3"

Randy Dorman, Jr., continued---

Sun. June 11 Es? time?? ch.6 ABC station. Had ad about Steve Levy(Sports-caster) on Action News.
Tr? time?? ch.10 --"Newsbreak 10" was on with Michael Tox.
(WTAJ??)

Doug Long; 5062 Drummond Rd., Niagara Falls, Ont. L2E-6E4

Mon. May 22 Es 2000 EDT ch.3 "One Day At a Time". Nebraska in.(KTVS, KOTA, KDLO, KMTV, KYUS, KRTV all negative--wd)
Sat. May 27 Es 1330 EDT ch.3 "Family Affair" PTA: midwest (WI, IL,MN, IA, KS, SD, MO, TX all negative--wd)
Sun. May 28 Es 1430 EDT ch.3 "Swashbuckler Type" movie. TX in.
Es 1700 " " Sports fishing show. TX in.(TX, LA, MS, FL, NE, KS negative. KYTV has a fishing program called "Sportsman's Friend" at that time.--wd)
Es 1730 EDT ch.6 "Truth or Consequences"(TX, OK, MO, KS, NE, LA all negative--wd)
Es 1900 EDT chs.2&3 soccer; "Main United" vs "Nottingham Forest".
Tue. May 30 Es 1530 " ch.6 Childrens Scienc. PTA: Gulf Coast(Gulf states negative--wd)
Wed. May 31 Es 2300 EDT ch.3 "3ABC" station; local news with Stephen Ray. GA in. PTA: SE(I've seen that logo someplace but I can't remember where--wd)
Sun. June 11 Es 2130 EDT ch.3 "Country of Life"; also "TV-3" logo seen. PTA: NB, NS(Maritime Provinces, Quebec, VT all negative--wd)

Jim Pizzi; 300 Park. Orcutt, CA 93474 PDT

Sun June 4 Es 1105 ch.2 "Rangers Baseball" PTA:TX. (KPRC checks; from own observations. Don't know about KMID; TV Guide no help--wd)
Es 1107 ch.2 "Pop Goes the Country" PTA: ??
Es 1112 ch.2 Dracula movie-old with Bela Lagosi.
Es 1119 ch.2 Basketball-Washington.
Es 1121 ch.2 Cowboy movie with Ray Milland.
Es 1126 ch.2 Discussion program.
Sat. June 10 Es 1031 ch.2 "Over Easy" (KUSD,KGFE,KTCA all negative--wd)
Es 1034 ch.2 "Polka Fun" w/Chimielewski bros.(KNOP checks-wd)
Es 1040 ch.2 "I Dream of Jeannie"(KS,NE,MO,OK,IA, WI all negative,--wd. It could have been an NBC station though as they show a"special" program in that time slot in the TV Guides I have.--wd)
Es 1040 ch.3 job placement employment program.(KMTV has a program called "Hiring Line" at that time--wd)
Tue. June 13 Es 0006 ch.2 "Mike Douglas" PTA: Canada(Canada and Northern U.S. border states, negative--wd)

Bradford E. Wall; 7876 Del Rosa Ave. San Bernardino, CA 92410 PDT

Mon. May 22 Es 1130 ch.3 "One Life To Live" PTA: TX, OK(the regular time slot for that program appears to be 1100-1130; KIII, KFTX, KATC all check--wd)
Sun. June 4 Es 1032 ch.6 "NBA on CBS" PTA KS, NE, OK.(being a special CBS program it was probably carried by most CBS stations such as KTVG, KOTV & WQWT--wd)
Sat. June 24 Es ch.5--1517 boxing match. KCKT in at same time.(TV Guides no help; probably a special program--wd)

Jim Pizzi; continued---

Tue. June 13 Es 1712 ch.2 "Dick Van Dyke" show. PTA: NW U.S.(KWGN checks-wd)
Wed. June 14 Es 1825 ch.2 "Robert Frost" show. PTA: NW Canada; CKSA in at same time.(BC,AT,SK,MB,ND all negative--wd)
Es 1827 ch.3 "Charlies Angels"(Ch.3 Brooks, AT and ch.3 Burmis. AT check--wd)
Sun. June 18 Es ch.4--2152 "Gunsmoke" (Western Canada and border states negative--wd)
Mon. June 19 Es 1500 ch.2 "PTL Club" (KNOP checks--wd)
Es 1552 ch.3 "Emergency" (KRTV checks--wd)
Tue. June 20 Es 1552 ch.2 possible 2Es ; local news--very professional big city type mentioned ---"over in Harrisburg former state senator Henry C. Antrotti"---(sounds like KDKA; they have local news at that time--wd)
Es 1606 ch. 4 "Mary Tyler Moore" show.(KDA checks; others negative.--wd)
Ms 1626 ch.4 "Dragnet"(nothing checks--wd)
Es 1630 ch.2 "Wild Kingdom" (KNOP checks-wd)

Randall B. Clark; Rt. 5 Dutch Ridge; Parkersburg, WV 26101

Fri. July 21 Es 0000 EDT "Quincy" (both CKCK & CKBQ check; for preceding program of "Rockford Files" also--wd). (The part about the local weather break should nail it down for you. CKBQ gets programming from CFQC-8--wd)

Mon. June 12 Es 0332 EDT 88.7 FM station IDed as "88.7 Greensboro". (sorry, but I can't help; I don't have an FM station list. Perhaps some FM DXers can help on this one.--wd)

David Curvin; 5503 Westberry St., San Antonio, TX 78228

Mon. July 10 (propagation mode unknown) 1818 CDT; WPBT-2 with fair signal level, but deep fades. During the fades (which occur about eight per minute, and last up to two seconds each), the audio is completely captured by a male announcer in Arabic, and Arabic/Middle Eastern music. This was noted along with severe offset het. during the fades. No picture was ever seen while the Arabic signal was in. At 1829, WPBT gave a clear I.D., but no type of break was heard in the Arabic program at the half-hour. The levels and fade rate continued more or less the same until 1842 when WESH came on with an announcement that they had been off during the last hour due to technical difficulties. From this time on, WPBT and WESH were fair to strong with each fading in and out over the other. The Arabic program was noted only three times after 1842. During the entire reception period, there was no sign of KPRC or the various Spanish stations which usually come in from Mexico during tropics. My equipment is: Sony KV1710; B/T all-channel antenna at 30ft., oriented Southeast, no rotor. Belden 8290 lead-in.

The Houston station is North of my antenna pattern, and the Mexican stations are South, but Miami is "right on target". A visit to the library to consult their globe, shows a great circle course on my antenna bearing goes through the South Atlantic to, more or less, Durban, South Africa. My antenna is subject to peculiar reception due to what I believe is called the "knife edge" phenomenon, which Mr. Cooper has described. I have a very sharp hill about $\frac{1}{2}$ km in front of my antenna.

Does Cuba have anything on channel two which might carry an uninterrupted Arabic program??(possibly; from what I've heard they run foreign language programs occasionally.--wd) Seems unlikely.(perhaps some of the DXers along the Gulf may have some ideas; my international DX information is limited, to say the least.--wd)

Jeff Wolf; 1131 University Blvd. W.; Apt. 701, Silver Spring, MD 20902

Tues May 23 Es 1834 EDT ch. 3 Kids show; man in cowboy type clothes. 1845 " " Kids drawing pictures of planes on easel of paper. PTA: TX, FL, LA, MS, TN. (WEDU has a program on called "As Man Behaves" which is some sort of instructional program.--wd)

Mon. July 10 Tr 0003 EDT ch. 44; W44AA Martinsburg, WV translator of WVU-24 sign off, then unid 44 with ABC news. Unid off at 0005 during ABC news. Could it have been W44AA picking up another ch 24 or 44? (Yes, you were probably watching WVIA-44, Scranton. They carry ABC captioned news but according to the TV Guide I have it wasn't at the time you mention unless it's been changed.--wd).

Thu. July 20 Tr 0423 EDT ch. 13 3/4 color bars }
0426 " " " resolution chart } PTA: NY ME VA NC (pretty hard to pin it down to any particular station, most stations use a variety of test slides, etc. Perhaps some of the DXers on the east coast may be able to help you out.--wd)
Tr 0725 EDT ch. 56 show may have been "Flintstones"; WLVI ? (WLVI checks--wd)

Fri. July 21 Tr 0230 EDT ch. 67 3/4 color bars. 0234 off. On again at 0310 and off at 0312; WSNL ? (sounds like a good guess--wd).

NORTHERN FM-DX

Bruce Golden
27 Spruce Hill Road
Georgetown, CT 06829

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.....

Thanks to this month's four reporters. From the looks of the reports, the season is shaping up pretty nicely...

John Ebeling-9209 Vincent Ave. S.-Bloomington, MN 55431 (CST)

6/4	AU 1731	KUMR	88.5	MO	Rolla				
6/18	Es	2005	KBID	92.9	TX	Wichita Falls			
		2010	KUAT	90.5	AZ	Tucson			
		2034	KDKB	93.3	AZ	Mesa, "93-FM" rock			
		2039	KBBC	98.7	AZ	Phoenix, +SCA(Muzak) rock			
		2056	KMEQ	96.9	AZ	Phoenix, MOR			
		2103	KCTB	93.9	AZ	Flagstaff, gospel (sermon interrupted for ID)			
		2107	KWFM	92.9	AZ	Tucson, rock			
		2119	KRWG	90.7	NM	Las Cruces, show tunes			
		2129	KFIM	92.3	TX	El Paso, talk show "El Paso Straight Talk"			
6/20	Es	(*Tr)							
1038	KBAT	93.3	TX	Midland, k	1605	WQXR	96.3	NY	New York
1050	KOYL	97.9	TX	Odessa, k	1609	WSFL	106.5	NC	Bridgeton "FM-106"
1055	KLEA	101.7	NM	Lovington	1610	WPAT	93.1	NJ	Paterson
1056	XHTO	104.3	MX	Ciudad Juarez	1615	WBPZ	92.1	PA	Lock Haven
1100	KTEZ	101.1	TX	Lubbock,MOR,"FM-101"	1630	WPLM	99.1	MA	Plymouth
1100	KTAZ	100.9	AZ	Sierra Vista,UPInx	1635	WSLQ	99.1	VA	Roanoke,r,"Q-99"
1101	KDEM	94.3	NM	Demming	1830	KWJS	94.9	TX	Arlington,+SCA
1105	KFAN	106.3	TX	Hereford	1842	KITY	92.9	TX	San Antonio,r,"Y92"
1108	XHTM	105.1	MX	Ciudad Juarez	1848	WSHA	88.9	NC	Raleigh, rock
1110	KWAS	101.9	TX	Amarillo	1900	WMPR	88.1	SC	Sumter,classical
1111	KBTM	94.9	NM	Rosewell +SCA	1905	WROQ	95.1	NC	Charlotte,r,"95-Q"
1113	KACV	89.9	TX	Amarillo	1906	WRCM	92.1	NC	Jacksonville,rock,
1115	KEZB	96.3	TX	El Paso "FM-96"					"Music Radio RCM"
1116	*KRGJ	96.5	NE	Grand Island	1920	WQSM	98.1	NC	Fayetteville,rock
1125	KOB	93.3	NM	Albuquerque	1930	WRKB	99.7	NC	Kannapolis,gospel
1130	KTQM	99.9	NM	Clovis, rock	1935	WDZD	93.5	NC	Shalotte,r,MBSnx
1131	KFLG	92.9	AZ	Flagstaff	1943	WRNS	95.1	NC	Kinston,+SCA, k
1135	KPAS	93.9	TX	El Paso, rock	1944	WHSL	97.3	NC	Wilmington,rock
1140	KOPE	104.9	NM	Mesilla Park,MOR	1959	WTGM	89.5	VA	Norfolk
1200	KMCR	91.5	AZ	Phoenix, jazz	2010	WOOO	96.9	NC	Statesville,MOR,
1200	KHEP	101.5	AZ	Phoenix					"Triple-0"
1600	WLRG	92.3	VA	Roanoke	2018	KOYE	94.9	YC	Laredo
1604	WRNS	95.1	NC	Kinston	2020	unID	91.9		spanish station

6/24*Es

1130	KDKB	93.3	AZ	Mesa, rock	2041	WDAV	89.9	NC	Davidson, \$jazz
1155	KFLG	92.9	AZ	Flagstaff,Ac news	2044	WCHK	89.7	SC	Columbia, gospel
					2045	WWBD	92.7	SC	Bamberg, MOR

*stations Dked on Delco car radio (just repaired) using reg. auto antenna laying on bench, indoors. Also had others, but no ID's. Would have been easier if the radio had an AFC defeat switch. New underlined. Regards.

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

6/11	Tr	0815	WFMS	95.5	IN	Indianapolis, g			
	Es	0855	WMCU	89.7	FL	Miami, g			
		2100	WTSU	90.1	AL	Troy, ID			
6/12	Es	1728	WQSM	97.9	FL	Clearwater, 98-Rock			
		1841	KAWW	96.7	AR	Heber Springs, r			
	Tr	2003	CBC-	93.5	ON	London, // CBC-AM			
6/14	Es	1733	WGVL	93.5	FL	Vero Beach, wx			
6/20	Es	1715-2250	MUF	108+	(16 states-	Highlights follow)			
1728	KMBQ	93.7	LA	Shreveport,r	2039	WKSJ	94.9	AL	Mobile, promo
1745	WRAJ	92.7	IL	Anna, SID	2043	WAIV	96.9	FL	Jacksonville,r,
1747	KJEZ	95.5	MO	Poplar Bluff,					"The Wave" "FM-97"
				"NewsBreak 95"	2049	WQDR	94.7	NC	Raleigh (prev. MS)
1810	KTTL	93.9	KS	Dodge City,	2055	WEQR	96.9	NC	Goldsboro, ID,nx
				"Big Country"	2057	WPJC	99.9	NC	Burgaw, \$100, g
1812	KOFN	89.5	MO	Columbia, j	2104	WZAT	102.1	GA	Savannah, ID, r
1830	KUNI	90.9	IA	Cedar Falls, ID	2125	All Tulsa,	OK	stns	(TornadoAlert)
				(prev. by Tr)	2156	KNWA	103.9	AR	Fayetteville, ad
1838	KTFC	103.3	IA	Sioux City, wx	2159	KMCK	105.7	AR	Siloam Springs,
1847	KBRX	92.7	NE	O'Neill,nx					m, SID, nx (ex-KUOA)
1900	KVNO	90.7	NE	Omaha,Bulletin Bd	2205	WMC	99.7	TN	Memphis, FM-100
1913	KWYR	93.7	SD	Winner, r	2213	WSWG	99.1	MS	Greenwood, r,SID
2035	WSFL	106.5	NC	Bridgeton, ID, r					

(prev. by AU) 7/9 Tr 0033 CKQM 105.1 ON Peterborough,105-FM
Equipment: Heathkit AJ-15 rx, JFD LPL FM 10A antenna @ 45° AGL. New underlined, new propagation mode dashed. 73, Fred.

Greg Monti-5 Hickory Road-Bayville, NY 11709 (EDT)

6/13 GW 0827 "WTON" 91.5 NY Bayville, local mono pirate w/hum, announced as audio test, format ksr, freq announced as 91.2, power as 10w, vert, "Gold Coast" as location.
 Tr 0815 WAWZ 99.1 NJ Zarepath, instead of WPLR this morning
 6/20 Es 2135 WAPI 94.5 AL Birmingham, \$m, first decent DX of the season.

Joseph Fela-150 Robert Place-So. Plainfield, NJ 07080 (ELT)

6/1 Es

2154 WIZM 93.3 WI La Crosse, "Z-93, call 2229 KBEM 88.5 MN Minneapolis, right as FM Atlas shows WIZM&WRLO? ending nx,wx,s/off.
 2159 WFNy 92.1 WI Racine, ID, ads 2249 KSUI 91.7 IA Iowa City, ID
 2205 WDEK t92.5 IL DeKalb, nx 2259 KWIT t90.3 IA Sioux City,wx
 2220 WMT 96.5 IA Cedar Rapids, Btfl mx, ID 2309 WOI 90.1 IA Ames, ID
 2310 KTAV 92.1 IA Knoxville-Pella, ID

6/11 Es

1100 WGLT 89.1 IL Normal, ID
 1102 WAAG 94.9 IL Galesburg, ID, Top40 countdown
 1119 WJRE 92.1 IL Kewaunee, local ads, SID, rock
 1200 KCCK 88.3 IA Cedar Rapids, ID
 1800 KUMR 88.5 MO Rolla, ID, "All Things Considered"
 1802 KCLC 89.1 MO St. Charles, ID
 2030 WMKC 96.7 WI Oshkosh, ID, nx

6/12 Es

1829 KOSU 91.7 OK Stillwater, ID, Okla. nx
 1837 WQID 93.7 MS Biloxi, ID, rock
 Tr 2100 WHJY 94.1 RI Providence, Btfl. mx, "Joy" IDs also noted.
 2130 Norfolk also in w/WFOG-92.9, WYFI-99.7, WCMS-100.5, etc.
 2202 WTYD 100.9 CT New London, nx, wx. Rare here tnx to WCBS-101.1
 2230 WBCN 104.1 MA Boston, ads, ID
 2301 CIOO 100.1 NS Halifax, "C-100," Btfl mx. NS #1
 2315 WWEL 107.9 MA Medford, Red Sox wrap-up.
 2325 WLYN 101.7 MA Lynn, big band mx, ID

6/13 Tr

0013 WJIB 96.9 MA Boston, Btfl mx, "JIB" ID
 0020 WJUL 91.5 MA Lowell, PSA, rock cuts
 0025 WCGY 93.7 MA Lawrence, Rock Garden. Very strong
 0030 WCAV 97.7 MA Brockton, ID, rock, mostly oldies
 0100 WNUA 91.1 MA Amherst, ID

6/18 Tr

0000-0200 Another Boston opening, but much weaker than 6/12.

6/20 Es

1752 KTPK 106.9 KS Topeka, nx, c/w
 1800 KWBE 92.9 NE Beatrice, c/w, "country lovin'"
 1805 KROA 95.7 NE Grand Island, ID
 1827 KDHL 95.9 MN Faribault, local ad, ID, c/w
 1845 KWYR 93.7 SD Winner, "Sound 1" ID, local ads, WAYL QRM
 1853 KCLD 104.7 MN St. Cloud noted. KIOV-104.7 Sioux Falls, SD ID.
 1900 KYYY 92.9 ND Bismarck, SID, rock. Also "Y-92" and "Y-93" ID.
 1901 KQDY 94.5 ND Bismarck, ID, baseball game
 1902 KTWN 107.9 MN Anoka, ID
 2030 WNDA 95.1 AL Huntsville, ID, news feature
 2031 WLRH 89.3 AL Huntsville, ID, Classical music
 2101 KYEZ 93.7 KS Salina, ID, ads
 2116 KVGB 104.3 KS Great Bend, EZL mx, ID, nx, right thru WNCN lcl.
 2128 KMOX 103.3 MO St. Louis, ID, ads, mellow rock
 2134 KJFF 106.9 MO Jefferson City, ID during bb game.
 2137 KKSS 107.7 MO St. Louis, ID, believe disco. Probably KSWT QRM
 2151 KEYN 103.7 KS Wichita, rock, ads, ID
 2200 KLUW 88.9 MO Jefferson City, ID, black-jazz pgm
 2201 KCOU 88.1 MO Columbia, ID, Classical music

Equipment: Pioneer SX-828 rx. Antenna is a pair of Antennacraft GFM-10s, stacked, with rotor. As most DX is taped, the decks used are a Teac 2300S and Ampex 755 for reel-to-reel and a Sanyo RD-5350 for cassettes. 73, Joe.

My DX this season has consisted of many tropo openings and a good Es catch toward IA, NE and IL/WI. Logged KMGK-Des Moines during that opening. 73 til next month.

ROCK 93

KKDQ Stereo FM

A POOR ES SEASON ENDS, BUT STAY TUNED FOR TROPS

Poor dxing conditions affected all propagation modes throughout July and early August, leaving much to be desired. Another pronounced slump hit skip from which little recovery was experienced as the season neared an almost silent end. However, if you were Pat Dyer, July was 50% poorer than last year and you could still come up with a fine report. Looking elsewhere, a little tr was reported, but nothing long haul.

Es may be over for most, but there is still something to look forward to and that's the tr season now upon us. Hopefully, it will be so good that it will coax some of you newer members as well as older ones out of your silence so this column can have some wider geographical representation. If serious about the hobby, you will check your reception conditions on an almost daily basis or more. Doing this while keeping your hopes high will surely pay off in an exciting opening to who knows where? It's up to you to find out and report to this column. When reporting a lot of tr it would be well to include the distances of your deep fringe stations (those that come in to some extent daily) from several different points to put your report in better perspective for the other members. It's also a good idea to include the milage for catches.

Lastly, my many thanks for everyone who's been contributing to SFM Regularly and good dx to all.

Rick Samford, 404 S. McNeill, Burnet, TX 78611				July 5 to August 3, 1978 CDT				
<u>5 July</u>				<u>8</u>				
tr	0059	KHYS	98.5 TX Fort Arthur	260	tr	0759	KHYS 98.5 TX Fort Arthur	260
	0059	KZOM	104.5 TX Orange	270		0800	KLCL 99.5 LA Lake Charles	310
	0102	KTDY	99.9 LA Lafayette	385		0820	KXOM 104.5 TX Orange	270
	0105	KLCL	99.5 LA Lake Charles	310		0827	XHJD 98.9 NL Monterrey	365
	0701	KRPV	100.3 LA Alexandria	355		2358	KRIX 99.5 TX Brownsville	340
	0703	KLOR	102.3 TX Center, now on air with rk at this time	250	<u>9</u>			
	0724	KSLI	96.9 LA Alexandria	355	tr	0818	KGRA 103.7 LA Lake Charles	310
	0729	WAFB	98.1 LA Baton Rouge	435	<u>10</u>			
Es	1242	KPRA	92.5 CA Paso Robles		Es	1854	WAKX 98.9 MN Duluth	
	1251	KZIQ	92.7 CA Ridgecrest			1858	KORS 92.5 MN Golden Valley	
tr	2300	KRIX	99.5 TX Brownsville	340		1858	KLGA 92.7 IA Algona	
<u>6</u>				<u>11</u>				
tr	0100	KLCL	99.5 LA Lake Charles	310	Es	1859	WAYL 93.7 MN Minneapolis	
	0101	KTDY	99.9 LA Lafayette	385		1900	WSCD 92.9 MN Duluth	
	0648	KSLI	96.9 LA Alexandria	355		1908	KSTP 94.5 MN St. Paul	
	0700	KDEY	99.3 TX Lufkin, fairly new, rk format	210		1911	KTCR 97.1 MN Minneapolis	
	0707	KNTU	88.5 TX Denton	180		1914	KAQH 94.9 MN Duluth	
	0718	KLOR	102.3 TX Center	250		1921	WGMO 95.3 WI Shell Lake	
	0725	KNOE	101.9 LA Monroe	385	Es	1930	WBSA 89.9 WI Brule	
	0729	XHJD	98.9 NL Monterrey	365		1500	WUSF 89.7 FL Tampa	
	0933	KTAL	98.1 TX Texarkana	305		1505	WMI 93.1 FL Miami	
	0935	KGRA	103.7 LA Lake Charles	310		1531	WCOM 94.3 FL Marathon	
	0942	KXKZ	107.5 LA Ruston	360		1600	WMCU 89.7 FL Miami	
Es	1601	XHJE	94.1 PU Puebla, all other Puebla stations in tentatively			1606	WXOS 100.3 FL Plantation Key	
tr	2357	KRIX	99.5 TX Brownsville	340		1609	WMJX 96.3 FL Miami	
<u>7</u>				<u>12</u>				
tr	0023	KROF	104.9 LA Abbeville	380	tr	0724	KSFL 95.5 TX Diboll, usually get WLIN at 500 mi. in this direction	205
	0027	WFMF	102.5 LA Baton Rouge	435		There are still four class B/C stations east of the Rockies in Texas to be logged: KATX 97.3, KZIP 98.7, KFXI 100.7 and KBBB 104.3, all of which are toughies in the 250-400 mile range.		
	0033	KTDY	99.9 LA Lafayette	385	Es	0801	WFDD 88.5 NC Winston-Salem	
	0046	WYNK	101.5 LA Baton Rouge	435		0930	WSPA 98.9 SC Spartanburg	
	0050	KDUV	100.3 TX Brownsville	340		0931	WGLD 100.3 NC High Point	
	0101	WXEL	105.3 LA Slidell	520		0935	WFR 98.5 IL Freeport	
	0655	KVVP	105.5 LA Leesville	300		0939	WBBF 98.9 IL Rock Island	
	0705	KOSY	102.5 AR Texarkana	305		0942	WTTX 107.1 VA Appomattox	
	0751	KNOE	101.9 LA Monroe	385		0945	WBR 103.5 TN Knoxville	
	0759	WMI	99.7 MS Jackson	500		0949	WSLO 99.1 VA Roanoke	
	0811	KRIX	99.5 TX Brownsville	340		0952	WKZN 96.9 IL Zion	
Es	1104	KPRA	92.5 CA Paso Robles			0954	WTKI 94.5 WI Milwaukee	
	1106	KSUB	92.5 UT Cedar City					
	1121	KENO	92.3 NV Las Vegas					
<u>8</u>				<u>13</u>				
tr	0735	WAFB	98.1 LA Baton Rouge	435				
	0737	KTDY	99.9 LA Lafayette	385				
	0740	KGRA	103.7 LA Lake Charles	310				

<u>12. July</u>				<u>25. July</u>			
Es	1000	WMBI	90.1 IL Chicago	Es	1359	WLEL	105.9 FL De Land
	1002	WVPB	91.7 WV Beckley	27			
	1007	WZUU	95.7 WI Milwaukee	tr	0743	XHJD	98.9 NL Monterrey
	1808	WATA	97.3 FL Miami	29			
13				tr	2252	WFMP	102.5 LA Baton Rouge
tr	0751	KNTU	88.5 TX Denton		2300	WAFB	98.1 LA Baton Rouge
	0800	KTAL	98.1 TX Tezakana	30			
	0807	XHJD	98.9 NL Monterrey	tr	0023	KTDY	99.9 LA Lafayette
14					0105	WYNK	101.5 LA Baton Rouge
tr	0751	KTAL	98.1 TX Texardana		0808	WJMI	99.7 MS Jackson
	0703	KLGR	102.3 TX Center		0811	KEAZ	101.7 LA De Ridder
	0718	XHJD	98.9 NL Monterrey		0816	WQXY	100.7 LA Baton Rouge
15					0832	WAFB	98.1 LA Baton Rouge
tr	0740	KMLV	107.1 LA Many		0833	KTDY	99.9 LA Lafayette
	0745	KVVP	105.5 LA Leesville		0845	WKXI	94.7 MS Jackson
	0748	KSLI	96.9 LA Alexandria		0846	WRPM	107.9 MS Poplarville
	0749	WFMP	102.5 LA Baton Rouge	31			
	0753	KGRA	103.7 LA Lake Charles	tr	0813	WJMI	99.7 MS Jackson
	0801	WAFB	98.1 LA Baton Rouge		0900	KNOE	101.9 LA Monroe, this
	0802	KTDY	99.9 LA Lafayette				station also uses "FM-102" non-ID
	0805	KLCL	99.5 LA Lake Charles		0904	KWOE	106.9 OK Clinton
	0815	KLGR	102.3 TX Center		2259	KRLG	98.1 OK Lawton
Es	0828	WINZ	94.9 FL Miami Beach		2342	KTLS	98.9 OK Oklahoma City, ID
	0829	WMJX	96.3 FL Miami	2. August			
tr	0831	WRPM	107.9 MS Poplarville	tr	0000	WAFB	98.1 LA Baton Rouge
	0840	XHJD	98.9 NL Monterrey		0753	WJMI	99.7 MS Jackson
16					0800	KNOE	101.9 LA Monroe
tr	0016	KDUV	100.3 TX Brownsville, KZZY off air at this time and 0801		2312	KTDY	99.9 LA Lafayette
	0752	XHJD	98.9 NL Monterrey		2325	WAFB	98.1 LA Baton Rouge
	0801	KDUV	100.3 TX Brownsville	3			
18				tr	0000	KHYS	98.5 TX Port Arthur
tr	0858	XHJD	98.9 NL Monterrey		0100	KVVP	105.5 LA Leesville
20					0808	WXEL	105.3 LA Slidell
tr	0755	KTLS	98.9 OK Oklahoma City, ad 325 ex-KFJL, still using "Mellow-99" but ID at 0801 with "The LifeStyle"		0811	WJMI	99.7 MS Jackson
	0804	KOFM	104.1 OK Oklahoma City		0817	WRPM	107.9 MS Poplarville
21					0820	WFMP	102.5 LA Baton Rouge
tr	0744	KXMS	92.1 TX Alice		0830	WAFB	98.1 LA Baton Rouge
	0847	XHJD	98.9 NL Monterrey		0836	KLCL	99.5 LA Lake Charles
Es	1929	WINZ	94.9 FL Miami Beach		0840	KROK	94.5 LA Shreveport
	1950	WKOS	100.3 FL Plantation Key		0841	WKXI	94.7 MS Jackson
	1959	WMUM	94.3 FL Marathon		0845	WLIN	95.5 MS Jackson
tr	2337	KRIX	99.5 TX Brownsville		0853	WKYV	106.7 MS Vicksburg
	2346	KDUV	100.3 TX Brownsville		0901	KGRA	103.7 LA Lake Charles
22					0911	KXKZ	107.5 LA Ruston
tr	0754	KOFM	104.1 OK Oklahoma City		0912	KMLV	107.1 LA Many
	0758	XHJD	98.9 NL Monterrey		0916	KEPT	96.5 LA Shreveport
	0801	KN U	88.5 TX Denton		0922	KNOE	101.9 LA Monroe
	2327	KOFM	104.1 OK Oklahoma City		1300	WAFB	still in
25					2213	KTDY	99.9 LA Lafayette
Es	1339	WINZ	94.9 FL Miami Beach		2219	KFRA	105.5 LA Franklin
	1342	WNOG	99.9 FL Boca Raton		2220	WFMP	102.5 LA Baton Rouge
	1344	WLEO	95.9 FL Bonita Springs		2229	WQXY	100.7 LA "
	1348	WLOY	98.7 FL Ft. Pierce		2229	WAFB	98.1 LA, also heard with decent signal on \$40 Sears port. w/whip ant.
	1353	WQYK	99.5 FL St. Petersburg		2236	WYNK	101.5 LA Baton Rouge
	1359	WBJW	105.1 FL Orlando		2240	K5MB	94.5 LA Lafayette
	1400	W5BA	107.3 FL St. Petersburg		2241	KQKI	95.3 LA Bayou Vista
	1403	WVPB	94.1 FL Lakeland		2259	KGRA	103.7 LA Lake Charles
	1406	WQVY	95.5 FL Ft. Pierce		2301	KHYS	98.5 TX Port Arthur
	1415	WHDG	96.5 FL Orlando		2312	KRIX	99.5 TX Brownsville
	1417	WVWQ	92.7 FL Ocala		2316	KDUV	100.3 TX Brownsville
	1426	WPXI	95.1 SC Charleston		2328	XHJD	98.9 NL Monterrey

(For a lousy season it was a good report anyway, Rick. db)

July was probably the most boring month(dx-wise)that I've had since March. It appears the skip season here fell apart after the 7-25 opening with just a few lo-band openings observed since that occasion. Perhaps we'll be pleasantly surprised by a few scattered August openings, though. Most of the July skip was to FL, which sort of got dull. The 7-15 Es opening had a lot higher MUF(W5HE 103.5 heard tentatively)than my loggings would indicate, but the high MUF didn't hold up for long. July tr began with some decent openings on the 3rd and 4th(reported last month)and the pattern repeated itself during late July & early August. Unfortunately, nothing over 550 mi. was heard during any of the openings. Early July had record-breaking temperatures(107 F here). Then things turned around completely when trop. storm Amelia dumped close to 3 ft.of r-in less than 100 miles away.

Pat Dyer, 5315 Silvertip Dr., San Antonio, TX 78228 June 19 to July 31, 1978 CST

Equipment: Hallcrafters SX-62 with International Crystal model SAX-1 preamplifiers; Archer 6-sl. FM ant. at 20' with rotor, new underlined, t-tentative

<u>20 June</u>		<u>28</u>	
Es	1612 KDPSt 88.1 IA Des Moines, IA nx 880	Es	1846 KEYAt 88.5 ND Belcourt 1335
	1625 WAILt 93.7 MN Minneapolis 1110		1902 KFNW 97.9 ND Fargo, area wx 1200
	1645 WHSA 89.9 WI Brule, net wx 1235		1912 KCGM 95.7 MT Scobey, town ID 1380
	1650 WHWC 88.3 WI Menomonie 1125		1913 KSJMt 93.3 ND Jamestown, EL 1200
	1654 KBRM 88.5 MN St. Paul, ID 1110		1914 KOWHt 94.1 NE Omaha, soul, *FM-94 830
	1705-30 lull		1922 WJJO 98.1 MN St. Cloud, lo. ads 1140
	1731 KFJM 89.3 ND Grand Forks, town ID		1924 MUF 106.9
	1830-1945 unIDs mostly 88-89		1026 KEZO 92.3 NE Omaha, wx, ID 830
	1841 KNOFt 95.3 MN St. Paul, REL 1110		1934 KDLO 96.9 SD Garden City, net ID
	2010-2020		1955 f/out
	2023 WJJOt 98.1 MN St. Cloud, k 1140	<u>29</u>	
	2024 MUF 107.1	ES	0945 KUAtt 90.5 AZ Tucson, cx 750
	2028 KTYN 94.7 ND Grand Forks, ID 1240		0957 KRQq 93.7 AZ Tucson, ID
	2030 unID 103.9 Royals bb; 3 possibles		0958 KALJ 95.1 AZ Yuma, ad 970
	2040 KDLO 96.9 SD Garden City, ad 1090		KAIR 94.9 AZ Tucson, local nx 750
	2049 KEYA 88.5 ND Belcourt, ID 1335		0959 KJOK 93.1 AZ Yuma, town ID 970
	KQD 94.5 ND Bismarck, psa 1200		1003 KXTct 92.3 AZ Glendale, jz 840
	2055 Fade outs		1008 KBBct 98.7 AZ Phoenix, rk 835
<u>21</u>			1027 KTAZ 100.9 AZ Sierra Vista, ads 705
Es	1857 WMPrt 88.1 SC Sumter, cx 1110		1028 KHVG 103.3 BCN Mexicali, "Stereo Ray"
	1904 WHHK 89.7 SC Columbia, twon ID 1075		1032 XHBA 104.1 BCN Mexicali, ID 1010
<u>23</u>			1044 KUPD 97.9 AZ Tempe, area ada 825
Es	1041 WXIL 95.1 WV Pardesburg, ID 1180		1048 KEBLt 99.1 CA Riverside, REL 1140
	1045-1140 unIDs mostly 88-89 and spotty		1055 KIPMt 98.1 CA San Diego, rk 1120
	1136 WAUpt 88.1 OH Akron, jz 1240		1057 KJOI 98.7 CA Los Angeles, 1190
	1142 WKYQ 93.3 KY Paducah ID, k 775		1058 KWXY 98.5 CA Cathedral City, ads
	1154 WFCAt 92.3 IN Hammond, REL 1040		1100 KXYX 96.5 CA San Diego, ad 1120
	1203 WGTC 92.3 IN Bloomington, nx, ID		1101 KFSD 94.1 CA " " ad
	1210 WFM5 95.5 IN Indianapolis, ID 995		*1105 KPOL 93.9 CA Los Angeles, ID 1190
	1216 WLHN 97.9 IN Anderson, ID 1030		1111 KEDSt 104.7 CA Palm Springs, EL 1090
	1223 WMJC 94.7 MI Birmingham, wx, ID		1114 KVMt 93.7 CA Coachella, Sp 1070
	1224 WLDMt 95.5 MI Detroit, EL 1225		1115 KLOS 95.5 CA Los Angeles, ad 1190
	1226 WBFQ 98.7 MI Detroit, IL		*1105 KMET 94.7 CA Los Angeles, wx 1190
	MUF 107.1		1116 KROqt 106.7 CA Pasadena, rk 1185
	1230 WIFF 105.5 IN Auburn, ID 1115		ENAct105.5 CA Long Beach 1180
	1234 WEMU 89.1 MI Ypsilanti sports, nxID		1117 KOYE 106.3 CA Lancaster, ad
	1305 WCMU 89.5 MI Mt. Pleasant, reg. ID		1119 KPRI 106.5 CA San Diego, ad 1120
	1308 WZZM 95.7 MI Grand Rapids, "Z-96"		1121 KWST 105.9 CA Los Angeles, ID 1190
	1310 WLAV 96.9 MI Grand Rapids, ID 1175		1123 KFAC 92.3 CA " " ID "
	1315 WGRD 97.9 MI Grand Rapids, ID		1128 KFSG 96.3 CA " " wx
	1328 WTAA 88.3 MI Interlochen, psa, ID		1140-1240 faint and spotty KFAC with
	very spotty after 1340 last gasp 1420		almost nothing in on ch. 2 on TV at times
	1520-1545 unIDs mostly 88-89 with MUF 92.3		(and of course, no 4 CCI) either an ex-
	1710-1745 unIDs mostly 88-90 with MUF 90.1		tremely sharp outlined ES or perhaps
	1734 WMBIt 90.1 IL Chicago, REL 1045		some west TX ducting aid (and not as much
<u>24</u>			ch. 2), (1257 just traces of TV left)
Es	1000-1115 unIDs mostly 88-89 with MUF	**1257 KLID 94.1 CA Bakersfield 1250	
	92.3 at 1046 very spotty	1331 KWAVt 96.9 CA Monterey, Salinas?psa	
	1145-1150 unIDs to 92.3	big lull	
	1225-1300 unIDs mostly 88-89 with MUF	1401 WCAL 89.3 MN Northfield, ID 1080	
	90.5, very spotty	**also 1233 KNFM 92.3 TX Midland, ad 275	
<u>25</u>		** that 92.3 & 94.1 stuff really shakes	
Es	1310 TGRTt 88.8 GU Guatemala City 1120	one's faith in using the TV as a guide to	
	1324 - t 98.6 GU (//88.8) "	likely FM Es; I usually wait for very	
	1357 XHNpt 98.3 Pue Puebla 735	strong Ch 3 or more often Ch 4 CCI before	
<u>26</u>		seriously tuning FM for Es.	
tr	0005 WKELt 105.3 105.3 LA Slidell, 530	1755 WMCUt 89.7 FL Miami, cx 1150	
<u>28</u>		1757 WOVV 95.5 FL Ft. Pierce, *Q-95 1115	
Es	1131 KMJkt 93.3 IA Des Moines 880	WLQYt 98.7 FL Ft. Pierce	
	KWKI 93.3 MO Kansas City 700	WNTUt 97.7 FL Naples, k 1050	
tr	1138 KOOI 106.5 TX Jacksonville 260	1801 WRYO 98.5 FL Crystal River, ad 965	
Es	1140 f/out, MUF 94.5	1815 f/out (thin since 1805)	
	1736 KIBC 93.5 NE Ogallala, wx 825	2127 KIDt 96.1 ID Idaho Falls 1215	
	1740 KQDY 94.5 ND Bismarck, bb 1200	2137 KSIH 94.9 ID Pocatello, ID 1195	
	1748 KKHJt 93.9 SD Rapid City, rd 1040	2135 KEZJt 95.7 ID Twin Falls, EL 1265	
	1755 KIJvt 92.1 SD Huron, k 1030	2136 KBEKt 92.3 ID Boise, rk 1370	
	1756 KESD 88.3 SD Brookings, nx 1020	2138 KMTW 96.5 ID Twin Falls, ad 1265	
	1806 WDAY 93.7 ND Fargo, area wx 1200	KQSWt 96.5 WY Rock Spring 1025	
	1820 KBRKt 94.3 SD Brookings 1020		
	1821 KCOMt 91.1 MN Moorhead, disc. 1205	<u>30</u>	
	1822 KELOt 92.5 SD Sioux Falls, EL 975	Es	0045 WAMut 88.5 DC Washington 1385
	1844 KFJMt 89.3 ND Grand Forks 1240		0755 so much tr, hard to find an Es MUF

6 July (Es), cont.

1344 XHCMT 88.5 MOR Cuernavaca 735
 1420 f/out
 1450-1520 unIDs to 94, spotty south
 1548 XHNP 89.3 PUE Puebla, "Esterio Mundo"
 1601 XHLMF 96.5 MOR Cuernavaca 735
 XEWt 96.9 DF Mexico City 690
 Five others from Mexico City-tent

1620 f/out

7
 Es 0930 KXTC 92.3 AZ Glendale, area ad 840
 KMCRt 91.5 AZ Phoenix 835
 1010 KWFO 93.3 UT Salt Lake City 1080
 1013 KBYUt 88.9 UT Provo, cx 1045
 1320 KFSDt 94.1 CA San Diego 1120
 KPBSt 89.5 CA San Diego

10
 Es 1704 WKTIt 94.5 WI Milwaukee 1100
 1705 WQFM 93.3 WI Milwaukee, "QFM", town
 1713 WFNEt 89.3 WI Green Bay, cx 1090
 1728 WCAIt 89.3 MN Northfield, cx 1080
 1735 KBEMt 88.5 MN St. Paul 1110
 1739 KSTP 94.5 MN St. Paul, "KS-95"
 WAYL 93.7 MN Minneapolis, EL 1110

1741 WCMF 92.1 MN Pine City, ID, k 1170
 1746 KTOR 97.1 MN St. Paul, ads, ID, k
 1748 KLGa 92.7 IA Algona, ads, ID 970
 1754 WAKX 98.9 MN Duluth, wx, ID, "wax"
 1756 WCCO 102.9 MN Minneapolis, area ad
 1757 KABG 105.5 MN Cambridge, wx, psa, ID
 1805 WQPM 106.3 MN Princeton, nx 1150
 1809 KDZUt 107.1 MN Hutchinson 1090
 1814 KRFO 104.9 MN Owatonna, wx 1050
 1815 WGR 105.1 MN Duluth, ID 1250
 1829 WHSA 89.9 WI Brule, ID, Wis-net
 1830 WHWC 88.3 WI Menomonie (// 89.9)

11
 Es 0825 WNUR 89.3 IL Evanston, Chi. wx 1060
 0837 WQED 89.3 PA Pittsburgh, psa 1280
 0835 WROQt 95.1 NC Charlotte, "95-1" 1105

tr 0858 KAMU 90.9 TX College Station, ID,
 (logged before on 90.3 155

Es 0900 WNSAt 88.9 NC Raleigh 1230
 0924 WGWGt 88.3 NC Boiling Springs, NC nx
 0934 WMBWt 88.9 TN Chattanooga, REL 865
 0957 WSWN 93.5 FL Belle Glade, ID 1110
 1007 WVJC 89.1 IL Mt. Carmel, rk, ID 870
 1015 f/out

(had been lots of unIDs mostly 88-92 area,
 but with range from FL to IL too many to
 guess at)

1050 WMCU 89.7 FL Miami, ID, Mut. nx
 1359 WDRO 92.3 FL Orlando, ID 1035
 1414 WCVU 94.5 FL Naples, area ad 1050
 1428 WINZ 94.9 FL Miami, "Zeta" ID 1150
 1434 WINK 96.9 FL Ft. Myers, wx, ID, nx
 1438 WWL 93.9 FL Miami Beach, area ad
 1507 WVMFt94.1 FL Lakeland, EL 1010
 1550 WMOGt 99.9 FL Boca Raton 1150

(didn't pay as much attention to this
 opening as normal since a lot of 50-MHz 2
 and 3Es in from Carribean including French
 Guyana.)

12
 Es 0710-0730 unIDs 88-89, 0730-0750 into 94-95

tr 0730 KQXY 94.1 TX Beaumont, area ads 275
 0752 WDAV 89.9 NC Davidson, psa, ID 1110
 Es 0759 WSPA 98.9 SC Spartanburg, ID 1035
 0800 WLXN 94.1 NC Lexington, ID 1150
 0802 WCSE 92.3 NC Asheboro, nx, ads, ID
 0807 WHPEt 95.5 NC High Point REL 1160
 0816 WROE 94.3 WI Neenah, ID, ad 1155
 0817 WLVEt 94.9 WI Baraboo, EL 1085
 0822 WRKX 95.3 IL Ottawa, ID, k 985
 0825 WLH 93.5 WI New London, ID 1160
 WQFM 93.3 WI Milwaukee, nx 1100
 WDLBt 106.5 WI Marshfield, EL 1145

12 July

Es 0830 WJVM 94.3 IL Sterling, town ID 1065
 0831 KIMI 105.3 IA Dubuque, wx, ID 1000
 0835 WTHBt 98.9 WI Tamah 1100
 0832 WOSH 103.9 WI Oshkosh, area ad 1145
 0836 WHBF 98.9 IL Rock Island, ad 945
 0841 WISM 98.1 WI Madison, town ID 1065
 0848 WTKM 104.9 WI Hartford, ID 1110
 0850 WFR 98.5 IL Freeport, ID, rk 1000
 0856 WEMO 101.3 IL East Moline, ID 945
 tr 0859 KOOI 106.5 TX Jacksonville 260
 Es 0907 KGRS 107.3 IA Burlington, ID 880
 0912 KPMZ 98.3 MO Columbia, ID 745
 0915 KFMH 99.7 IA Muscatine, ID 925
 0920 KCPit 95.3 MN Albert Lea, "I-95" 1020
 0927 KCMt 93.7 IA Carroll 895
 0937 KOEL 92.3 IA Oelwein, ID 895
 0940 WIZM 93.3 WI La Crosse, ad 1070
 1710 WVFMt 94.1 FL Lakeland, EL 1010
 1714 WUSF 89.7 FL Tampa, ID 985
 1722 WPCSt 89.3 FL Pensacola, REL 685
 1730 f/out
 2055-2100 WUSF 89.7 FL

15
 Es 0900-0910 unIDs 88.5, 88.9, 89.3
 1135 KXTZ 94.1 NV Henderson, EL, ID 1040
 1141 KLUCt 98.5 NV Las Vegas 1050
 1225 KOOL 94.5 AZ Phoenix, area ad 835
 KDKBt 93.3 AZ Mesa 820
 1232 KXTGt 92.3 AZ Glendale 840
 1237 KBBC 98.7 AZ Phoenix, ID 835
 1238 KUPDt 97.9 AZ Tempe 825
 1242 KQIT 95.5 AZ Phoenix, area ad 835
 1245 KMED 96.9 AZ Phoenix, local ad

17
 Es 1925 TG--t 88.1 GUA Guatemala City 1120
 1929 TGRT 88.8 GUA Guatemala City, ID
 1943 XPM 88.9 DF Mexico City, ID 690
 1946 XEBSt 89.7 DF Mexico City
 1950 XHQXt 91.3 DF Mexico City

18
 Es 0850 KBYUt 88.9 UT Provo, cx 1045
 0902 KALL 94.1 UT Salt Lake City, ID 1080
 KUERT 90.1 UT Salt Lake City
 0910 f/out
 1035 KPFFt 90.7 CA Los Angeles 1190
 KFAC 92.3 CA Los Angeles, town ID
 KPCSt 89.3 CA Pasadena 1185
 KCSNt 88.5 CA Northridge 1210
 1042 KCRWt 89.9 CA Santa Monica, cx 1200
 KLGnt 88.1 CA Long Beach 1180

19
 Es 1250-1300 unIDs 89.1, 94.1
 1607 KFAC 92.3 CA Los Angeles, ID 1190
 1610 KBELt 99.1 CA Riverside, REL 1140
 KXYt 98.5 CA Cathedral City 1080
 1613 KBCA 105.1 CA Los Angeles, town ID
 1616 KJLH 102.3 CA Compton, area ads 1190
 1630 unID 94.3 CA S. Cal Edison ad
 1632 KWST 105.9 CA Los Angeles, area ad
 1644 KQYnt 95.7 CA 29 Palms 1065
 (15 others from southern CA-tent.)
 1650 KORK 97.1 NV Las Vegas, ID 1050
 KILAt 95.1 NV Henderson, REL 1040

1653 KLUC 98.5 NV Las Vegas, ID, wx 1050
 1655 KXTZ 94.1 NV Henderson, nx 1040
 1703 KENO 92.3 NV Las Vegas, ID, wx 1050
 1709 KVW 93.5 AZ Show Low, area towns 740
 1712 KCTE 93.9 AZ Flagstaff, ad, REL 855
 1716 KOOLt 94.5 AZ Phoenix, MoR 835
 KTKBt 93.3 AZ Mesa, rk 820
 KXTGt 92.3 AZ Glendale, MoR 840
 KUPDt 97.9 AZ Tempe, rk 825

1730 spotty, 1800 very spotty, 1850 last
 21
 Es 1820 WSCIt 89.3 SC Charleston, js 1120
 1830-5- lull

21 JulyEs 1908 WMCut 89.7 FL Miami, REL 1150
1912 f/outs22Es 1030-1155 unIDs mostly 88-89, 1032 MUF92.3
1830-1845 unIDs mostly 88-92
1858 CECL 93.5 ONT London, ID 1335
1902 CJOMt 88.7 ONT Windsor 1230
1905 f/outs
1955-2010 unIDs mostly 88-9224

Es 1940-1945 TGRT 88.8 GUA Guatemala City, ID

25Es 0732 XHmt 88.9 DF Mexico City 690
XEBst 89.7 DF Mexico City
0735 XHQkt 91.3 DF Mexico City
XHNpt 89.3 PUE Puebla 735
XHFot 92.1 DF Mexico City 690
XEPjt 93.7 DF Mexico City
0741 XHCmt 88.5 MOR Cuernavaca 735
(Seven others from Mexico City-tent)
lull to 0810, 0810-30 spotty, lull to 0855
0915 XHRat 89.1 JAL Guadalajara 690
0920 f/outs25 JulyEs 1215 WMCU 89.7 FL Miami, REL, ID 1150
1222 WMLL 93.9 FL Miami Beach, ad, rk
1228 WAFgt 90.3 FL Ft. Lauderdale 1150
1230 WUSft 89.7 FL Tampa 985
1232 WINZ 94.9 FL Miami Beach, "ZETA", rk
WGYL 93.5 FL Vero Beach, ID 1110
1236 WLQyt 98.7 FL Vero Beach, ID 1110
1242 WFLat 93.3 FL Tampa, EL 1010
1252 WLEL 105.9 FL De Land, ID 1040
1259 WMLvt 94.5 FL Daytona Beach 1055
1314 WTLN 95.3 FL Apopka, ID 1040
1318 WJCL 96.5 GA Savannah, EL, ID 1050
WSGft 95.5 GA Savannah, EL, ID 1050
1335 WPEGt 97.9 NC Concord 1120
1345 f/outs28Es 1948-52 WSGIt 89.3 SC Charleston, cx 1120
WDBot 92.3 FL Orlando, EL 103530Es 2035-40 unIDs 89.3, 88.5
2115 WSGIt 89.3 SC Charleston, cx 1120
tr 2116 KQXY 94.1 TX Beaumont, EL, ID 275
Es 2235 WGalT 89.3 MN Northfield 1080

Es slowing down a good bit as July closed.

E skip way down

June total down 30% from 1977 (minutes)

July total down 50% from 1977.

Most revealing event was the July 4 opening where the choppy fading on FM fitted very well the multi-path TV fading from the LA area. Something I'd suspected for a long time.

As usual, major ms efforts will be with the TV tp's during the Perseids. (though I may run the carrier-operated relay again since I found the AVC tap last time.)

The drop in Es minutes from 1977 to this summer was even more than I'd felt it was.

If you want I can send a complete set (since 1974 anyway) of monthly totals (days, opening #'s, and minutes.) (Yes, I think that would make an interesting sidelight. db)

Jim Pizzi, 300 Park, Orcutt, CA 93454 June 24-July 4, 1978 (PDT) Log totals 48724 JuneEs 1134 CPVP 92.1 North/Calgary
1142 KNUW 94.5 MT Great Falls, \$
1147 CKVA 97.3 AT Medicine Hat, \$, jz
1149 KOQZ 106.3 MT Great Falls
1154 KYEZ 93.7 ES Salina, EL, thru KFYE
1155 KUOI 89.3 ID Moscow, ID, EL
1157 KUPM 89.1 MT Missoula, cx, ID 1238
1208 KICT 95.1 KS Wichita, c&w
1210 KSKG 99.9 KS Salina
1222 KGOV 92.1 OK Broken Arrow, c&w
1249 KNEQ 97.3 WA Tacoma
1257 unID 97.7 ? c&w5 JulyEs 0911 KIKK 95.7 TX Houston
0912 KWJS 94.9 TX Arlington, REL
0914 KOAX 105.3 TX Dallas, "FM-105"
0915 WRR 101.1 TX Dallas, Classical
0922 KSCS 96.3 TX Ft. Worth, c&w
0936 KVLV 103.7 TX Dallas
0939 KHOO 99.9 TX Waco, c&w
0939 KPLX 99.5 TX Ft. Worth, EL
0940 KZEW 97.9 TX Dallas, rk
0948 KRLC 98.1 OK Lawton, "C-98"
0950 KSUC 88.3 TX Keene
0952 KFJZ 97.1 TX Ft. Worth, "Q-97"
0953 KXOX 96.7 TX SweetwaterHank Holbrook, 7211 Chestnut St., Chevy Chase, MD 20015 September 5, '77 to July 21, '78

It's been about 11 months since I have reported my FM activities. FM DX wise I am in my worst slump since starting out on the band back in 1959. This has been the first year I have been shut out of skip DX. Took a week's vacation at the cottage last week and things brightened up a bit and maybe we'll stumble across some more DX when we go down to the bay for a couple of weeks come August 5th. DXing from our cottage at Fair Haven, MD:

5 September, 1977

tr 0325-0405 WWEL 107.9 MA Medford, 385 Much wanted. For some reason 24 hr. WFSI was off that AM. Letter QSL, 50 kw. Good that AM.

7 May, 1978

tr 0655-0735 WFSI 104.4 PA Philadelphia, 120 ex WRCP. Good

20 July

tr 0901-0904 WIOZ 107.1 NC Southern Pines, 310 Briefly heard thru QRM but got a couple of commercials for good report.

0702-0725 WXYC 89.3 NC Chapel Hill, 250 Good signal. No sign of WPFW (certain they were on air.)

0823-0836 WXNC 92.5 NC Henderson, 210 Thru heavy QRM WFI and WRFL.

0939-0950 WYNW 97.1 NY New York, 220 ex WNWS. Solid for a few minutes then covered by WASH.

21

tr 0711-0820 WPEH 90.5 CT Middlefield, 275 Solid covering WCRH just about the entire per.

Antenna rotor has not worked in over a year and just took it to shop. For WWEL it was pointed NE and for the other stations SW. Ground wave from Fair Haven strongly favors N and NE reception and North Carolina reception is MOST RARE!

Morton D. Meehan, 7682 N. Star Ave, Twentynine Palms, CA 92277 July 19 to Aug. 10, '78

Back about 1975 I dropped out of WTFDA as crowded dials in big city locations didn't let skip slide in. Now in a new location with only one local, my interest is renewed with skips being heard for the first time in years.

Purchased a Realistic STA-78 and have a yard sale ten element antenna some 25 feet above ground. Turning the antenna gives me three general areas of reception: Las Vegas to the north, Phoenix to the east and Los Angeles to the west. All come in loud but fade deep. But my first skip in years and all 100% identified:

19 July
Es 1515 KITE 104.5 TX San Antonio 1100
1 August
Es 1200 KGGW 100.3 SD Rapid City 1000 tr 1050 KSUB 92.5 UT Cedar City 300

FDT used.

Also heard Hiawatha, KS on 103.9 in mid-July but forgot to mark it down. That's 1200 mi.

Danny Buntin, 1020 S. Duncan, Stillwater, OK 74074 July 22 to August 11, '78 (CDT)

Equipment: Pioneer TX-9100 tuner, Antennacraft 10 el. yagi up 34 ft.

The poorest July ever for skip was noted here. Could only get it to click for me once and it was brief and weak. I didn't have nearly as much spare time to dx during July as I did for June, but did check at least once or more daily for dx, coming up with nil. The only good part of the past summer for me occurred throughout the last half of June when I was rewarded with several rounds of intense skip along with a real nice tr duct. If dx here remains suppressed, I will have a hard time accomplishing my goal which is to put my total logged over the 1000 mark before the year ends. Total now 907.

22 July
Es 1939 WRBS 95.1 MD Baltimore, ad, c&w
1944 WEAF 94.5 NC Eden, ID
1945 WKMC 88.1 NC Raleigh, ID 1060
1946 WDAY 89.9 NC Davidson
1949 WQHQ??98.1 AL Andalusia, "Q 98", rk, only ID info heard, f/out at 2001
1 August
Es 1158 WAMU 88.5 DC Washington 1105
1200 WFPW 89.3 DC Washington, ID
1202 WAVY 95.1 NJ Atlantic City, ID, rk
1215 f/out (as in July another weak opening)
Until next month, 73.

+++++

Submitted by
Roosevelt Crawford.

YOUR TV STAFF

COMMAND SECTION		TV Assignments/Special Events	
LTC Fred Odum	Commanding Officer	SSG Dennis Hannan	NC/DI/TV Production
MAJ Robert P. Bubniak	Executive Officer	Robert Matthes	Chief, Radio Prod'n & C.I.
SGM Lawrence L. Law	Sergeant Major	TSgt Rik DeLisle	NC/DI/Radio Prod'n & C.I.
PROGRAM		ENGINEERING	
Robert J. Harlan	Program Director	Frank Mortenson	Technical Director
Trent Christian	Broadcast Manager	Harry Bean	Facilities Engineer
M/Sgt Lance Tlustos	NC/DI/Program	Frank Reed	Television Engineer
Paul D. Van Dyke	Chief, Studio Operations		
SFC Tom Tucker	NC/DI/Studio Operations	NEWS AND SPORTS	
Herb Glover	Chief, TV Production	David Mynatt	News Director
		Milt Fitzwater	Sports Editor

AFN Frequencies
on Your
AM Radio Dial:

Who to call if you have trouble

Military Communities	Channel	Duty Hours	Off Duty Hours	Phone
		Germ. US		
ANSBACH		2671-8361 /8835	2671-8439	
Ansbach-Bleiden	22 15			
Ansb.-Hindenburg	Cable 8			
Craibshelm	21 14	2735-8333	2735-801	
		819	804	
Iltesheim	53 55	2833-515	2833-813	
		/846		
Kaltzbach	51 54	2671-8361	2671-8439	
ASCHAFFENBURG	27 22	2317-8800	same	
		/8886		
AUGSBURG	51 54	2581-7855	2581-7408	
Lehrfeld				
Schwabstadt	Cable 12			
BAD KREUZNACH	25 19	2252-7202	2252-8377	
Daxheim (v)	26 20	2352-737	same	
		/852		
BAD TOELZ	58 63	2531-870	same	
		/750/800		
BAMBERG	39 38	2652-7732	same	
		/8906/8657		
BAUMHOLDER	52 55	2231-6157	same	
		/8333		
Birkenfeld/ Neubrück	22 15			
Idar-Oberstein	Cable 12			
Neubrück (v)	39 38			
Strasbourg	44 44			
BITBURG	57 62	2228-7369	same	
		/7122		
BREMENHAVEN	26 20	891-8658	same	
DARMSTADT	26 20	2371-8410	same	
Bunshausen	32 28	2273-621	same	
		/721		
Muenster	27 22	2372-801	same	
FRANKFURT		2311-5186	2311-8352	
Oberursel		2013-733	2312-732	
		/843	/740	
FULDA	58 63	2384-803	2384-811	
		/983		
Bad Hersfeld	53 55	2383-806	2383-812	
GIESSEN	30 36	2331-8344	2331-7140	
Bad Nauheim	41 40	2301-7047	same	
		/8106		
Bulzbach	21 14			
Friesberg	32 29	2301-7074	same	
		/8105		
Kirchgoers	53 57	2333-8334	same	
Wetzlar	Cable 8	2331-8324	same	
GOEPFINGEN	30 26	2731-450	2731-475	
		/488	/479	
Schwarzbach- Gumund	22 15	2732-733	2732-827	
		859/787		
HAHN (v)	30 52	25-7349	same	
RAAU	48 50	2309-8707	same	
Buedingen	57 52	2362-750	same	
Gelnhausen	46 47	2361-801	same	
		/835/805		
HEIDELBERG		2121-72800	same	
Shopping Center (v)	30 26			
Patrick Henry (v)	35 32			
Schwetzingen (v)	42 42			
HEILBRONN		2751-593	same	
		/409		
JFK Village (v)	55 59			
Neckarsulm (v)	32 26	2781-593	same	
		/409		
Siegelbach	Cable 7			
KAISERSLAUTERN		2227-747	same	
Kirchensulzbach	30 26	2227-826	same	
Kriegsfeld	Cable 12	2227-815	2227-815	
		/823	851/747	
Landstuhl (v)	31 27	2227-8306	same	
		/7181		
Miesau	29 25	2222-743	same	
Vogelweh	30 26	47-225	7165	
KARLSRUHE	39 38	2421-8381	same	
		/6433/6392		
Ettlingen	40 39	2142-371	same	
Gernersheim	Cable 2	2163-805	2163-717	
		/806		
Pforzheim	Cable 7			
Wurmberg hill, same				
2131-8168	same			
/7482/8107	same			
Ben Franklin Village (v)	56 61			
Coleman Bks (v)	22 13			
Mainz		2361-7361	2361-8505	
NUERNBERG		2621-8407	same	
		/8599		
Ansbach	1004			
Augsburg	1264			
Bad Kissingen	1056			
Bamberg	1204			
Berchtesgaden	1264			
BERLIN	1108			
Binburg	1204			
BREMENHAVEN	1142			
Craibshelm	1004			
FRANKFURT	872			
Fulda	1204			
Garmisch	1002			
GiesSEN	1002			
Goepfingen	1142			
Grafenwoehr	1204			
Hedelberg	1142			
Hersfeld	1142			
Hof	442			
Hofenfels	1002			
KAISERSLAUTERN	1106			
Karlsruhe	1004			
MUNICH	1108			
MUNBERG	1004			
Regensburg	1204			
Rothweinst	1002			
Schwetzingen	1142			
STUTTGART	1204			
Wertheim	1304			
Wittelkofen	1002			
Wuerzburg	1142			
... you'll also find AFN on those FM Channels:				
GERMANY				
Augsburg	100.4			
Berlin	87.85			
Bonn	101.4			
Frankfurt	102.1			
Stuttgart	102.4			
Pirmasens	101.75			
Ulmheim	101.4			
Heilsberg	100.4			
Ulm	100.7			
HOLLAND				
Camp New Amsterdam	99.1			
Maastricht	93.4			
Brussaux	88.15			
BELGIUM				
Brussels	100.8			
SHAPE	101.5			
Kleine Brogel	100.7			

Richard Eckman (continued)

June	30	Es	2058	KQTV-2 MO	11	Es	2300	KTV-4 IA
20	Es	1827	KUSD-2 SD	"still in"	12	Es	1929	WPBT-2 FL
24		1046	WPBT-2 FL					WESH-2 FL
			WTVJ-4 FL					1945 WTVJ-4 FL
			ICR2-5 CUBA					1959 WTVJ-4 AL
			"very intense"					2005 WUPF-5 FL T
			WPTV-5 FL					21 Tr 0750 WWPB-31 MD
			WDTQ-2 AL?					"plus about 25
		1055	WKRG-5 AL?					other semi-regular
		1056	WRBL-3 GA?					UHF/VHF stns"
		1058	WUPF-5 FL					23 Es 2300 WESH-2 FL? T
		1100	ICR2-2 CUBA					26 1840 WPBT-2 FL
		1159	WPBT-2 FL					1855 WESH-2 FL
25		2055	WTVJ-4 FL					2000 WFL-4 IA
			ICR2-4 CUBA					2055 KTVI-2 MO? T
			WPTV-5 FL					30 1935 WPBT-2 FL
			unIDs on 2					2Es 1935 WAPA-4 PR
29		0904	KFTS-2 AR					Es 1942 WTVJ-4 FL
30		1553	KARK-4 AR					1945 ICR2-5 CUBA
		1557	KTEW-2 OK					1949 WESH-2 FL? T
		1600	KQTV-2 MO					2019 WPTV-5 FL
		1628	KTVI-2 MO					2Es 2100 WAPA-4 PR
		1650	KCMO-5 MO					August
		1708	WDAF-4 MO					1 Es 1955 KCKT-2 KS
		1730	KMOX-4 MO					2002 KQTV-2 MO? T
		1755	WMLT-2 IA					
			KSD-5 MO					

"That's all up to now. I hope that some others caught the WAPA reception. It certainly was a thrill for me."

Steve West 432 Kenmore Road Havertown, Pennsylvania 19083 (215)449-1472

October 1977	31	Es	2200	unID 2-5	11	Es	1100	WHS-2 FL 1020
23	Tr	2000	WITN-7 NC 320	MUF 95.1				2230 unID 2-5, MUF97
			WUNK-25 NC 300					12 1800 WPBT-2 FL 1020
January 1978	11	Es	1700	unID 2-5	17			2200 KTEW-2 OK 1150
13	Es	1900	WPBT-2 FL 1020	MUF 95.3	18			1000 unID-2
April	12	Tr	2300	Boston U's	20	Tr	0605	WRBT-36 NC 470
6	Tr	1800	WTKK-66 VA	"Cuba 2-4-5"				0730 WGLV-56 MA 260
			Nannassas 160	1130 WHS-2 FL 1020				WSEK-38 MA 260
21	GW	1200	W51AB-51 PA	1630 unIDs; MUF 102				WJPM-33 SC 480
			Reading	1130 KCKT-2 KS 1260				0800 WRK-35 SC 510
			(WITF-33 xltr)					WOL-25 SC 510
May	5			(At Stone Harbor NJ)				WRDU-28 NC 325
22	Es	0930	WPBT-2 FL 1020	Tr 2300 WVII-30 CT				WRJA-27 SC 500
		1030	"Cuba-5"	6 0100 WFLP-22 MA				2130 WGHF-8 NC
		1130	WPTV-5 FL 960	Es 1700 KTVI-2 MD 800				High Point 380
23	Tr	0515	WCTI-12 NC 350	7 Tr 0000 Boston, CT U's				2250 WRK-35 SC 510
		Es 1700	"Cuba-2"	9 (Back at Havertown)				WOL-25 SC 510
28		1330	unID-2	Tr 2300 WCHY-24 NY 210				WNOK-19 SC 510
29		1500	WHS-2 FL 1020	10 0030 CKGN-22 ON				2345 WSEB-36 RI 220
30		1330	KJAC-4 TX 1250	1400 WCNY-24 NY 210				21 0830 WJPM-33 SC 480

"The skip's been rotten here, it's almost unbelievable! The only reason I can't see is that the Russians are getting it! The tropes were non-existent in the spring, and picked up after Memorial Day. The past two days were great, although most were re-logs from North and South Carolina. Maybe some New England DXers were getting South Carolina because conditions were good from Massachusetts to South Carolina at the same time."

Frank Wheeler 6589 Wattsburg Road Erie, Pennsylvania 16509 (EDT)

July	11	Es	1225	WHS-2 FL 1098	12	Es	1300	KPRC-2 TX 1210
6	Tr	1302	WVTV-9 MI 313	2300 WMT-2 IA 595	18	Tr	0700	WLLX-10 MI 232
		Es 1727	KTEW-2 OK 943	2328 KTEW-2 OK 943	23	Es	2300	KFTS-2 AR 825
		1739	KTVY-4 OK 1040	12 0830 WRRZ-2 LA 1020	30			2100 WPBT-2 FL 1098

"The poorest July for skip since the early 60's for me. Weather was too dry around here, 1.2" of rain in 4 weeks, driest July in years."

Donald B. Ruland		4448 68th Place		Kenosha, Wisconsin		53142 (GDT)	
<u>March</u>							
12 Tr	2200	KDNL-30	MO	300	30 Tr	0630	WKPC-15 KY 330
							6 Tr 0523 WLKY-32 KY 330
							0540 WTVQ-62 KY 360
							0545 WBHT-25 IN 320
<u>May</u>							
21 Tr	2300	WKYT-27	KY	360	<u>July</u>		
		WKLB-46	KY	360	5 Tr	0550	WLKY-32 KY 330
		WTVQ-62	KY	360		0600	WKYT-27 KY 360
		WTCN-11	MN	320			WTVQ-62 KY 360
							WTVK-26 TN 510
							0555 WTVW-7 IN 320
31	0530					2100	WKON-52 KY 330
<u>June</u>							0625 WDRB-41 KY 330
11 Es	1730	CBHT-3	NS	1200		2200	WYTV-33 OH 380
15	1800	WTVJ-4	FL	1250			0630 WAKR-23 OH 340
20	1900	KOTA-3	SD	770		2230	WKPT-19 TN 510
	2030	KDTX-2	ND			2245	WFIE-14 IN 320
		Dickinson		780			0640 WFMJ-21 OH 380
		KDNL-30	MO	300			0645 WFIE-14 IN 320
23 Tr	0655	KDNL-30	MO	300			0650 CBT-79 ON 430
24 Es	1100	WBDU-3	FL	1070		2250	WPGH-53 PA 430
		WHS-2	FL		6	0425	KMOX-4 MO 300
		Miami		1250			KPLR-11 MO 300
		KACB-3	TX	1040			WTRF-7 WV 420
		KRGV-5	TX	1280		0430	CKGN-6 ON 400
		KIII-3	TX	1160			WBIR-10 TN 510
		KPRC-2	TX	980		0443	CHCH-11 ON 420
25	1000	WBDU-3	FL	1070		0444	WLIC-11 PA 420
30 Tr	0515	WLKY-32	KY	330		0445	WKYC-3 OH 330
		WHAS-11	KY	330			WOWK-13 WV 440
		WDRB-41	KY	330		0455	WHAS-11 KY 330
		WXIX-19	OH	300		0457	CFTO-9 ON 430
		WPTA-21	IN			0500	CKCO-13 ON 400
		WKBN-27	OH	380		0515	WJKW-8 OH 330
		WYTV-33	OH	380		0518	KPVS-12 MO 370
		WAKR-23	OH	340		0520	WCHS-8 WV 430
	0630	WUAB-43	OH	330		0523	WUAB-43 OH 330
							6 Tr 0523 WLKY-32 KY 330
							0540 WTVQ-62 KY 360
							0545 WBHT-25 IN 320
							0555 WTVW-7 IN 320
							0625 WDRB-41 KY 330
							0630 WAKR-23 OH 340
							0640 WFMJ-21 OH 380
							0645 WFIE-14 IN 320
							0650 CBT-79 ON 430
							0655 CHL2-40 ON 340
							0658 CICA-19 ON 430
							1200 WQIN-54 PA 400
							14 0600 W6TAJ-67 MI 220
							(WJIM-6 xltr)
							0635 KTVQ-3 IA 260
							0645 KTVU-11 KS
							Topeka 470
							0700 KTSB-27 KS 470
							25 2230 WMMU-13 MI 280
							KDAL-3 MN? T
							26 0520 KMOX-4 MO 300
							0600 KPLR-11 MO 300
							0600 WHAS-11 KY 330
							31 0530 WAVE-3 KY 330

"Log at 456 with 3 new."

Michael P. Hollis		7401A Gardner Hills		Fort Campbell, Kentucky		42223 (CDST)	
<u>May</u>							
8 Tr	2100	WLBT-3	MS	330	26 Tr	2230	WSVN-47 VA 260
		WLOK-11	MS	300		27	2230 WUNL-26 NC 390
		WKAR-32	AL	295		2300	WKYH-57 KY 240
		WYAF-14	MS	300			0535 WCLM-3 IL 290
		WYAB-2	MS	245			KATV-7 AR 300
		WYTV-24	MS	300	30	0430	WCPO-9 OH 230
		WSVN-47	VA	260	<u>July</u>		
		WTOG-41	AL	280	1 Tr	0830	WMBD-31 IL 310
		WTOG-7	AL	225		0900	WBAK-38 IN 340
27	1030	KPLR-11	MO	200			WICS-20 IN 290
		KBTC-9	MO	200	3	0330	KMOX-4 MO 200
		WICD-15	IL	290	4	0830	KTVB-10 AR 375
		WICS-20	IL	290	5	0530	WHIO-7 OH 275
28	0900	WICD-15	IL	290			WCHS-8 WV 340
		WICS-20	IL	290			WKBT-8 WI 530
29 Es	1400	WBDU-3	FL	660			0700 WQAD-8 IL 375
30	1130	KIII-3	TX	885			0715 WTVK-26 TN 200
<u>June</u>							2030 WNDU-16 IN 350
1 Tr	0900	KDNL-30	MO	200			WSJV-28 IN 350
9	0630	KPHV-11	AR	300			WSBT-22 IN 350
18 Es	1430	XBZ-3	Qro	1360			1940 WHMB-46 IN 350
		KTD-3	ID	1370			2130 WHIT-34 IN 350
		XFFB-3	NL	1100			WHMB-40 IN 230
19	1300	KWGN-2	CO	1000			0500 WENS-10 OH 230
20	1200	KWGN-2	CO	1000			0525 WHIO-7 OH 275
22 Tr	0730	WXIX-19	OH	240			0530 WTVN-6 OH 330
23	0530	WJHL-11	TN	280			0535 WUAB-43 OH 450
		WKPT-19	TN	280			0550 WTVQ-62 KY 360
		WCFB-33	AL	230			0545 WBHT-25 IN 320
		WBMG-42	AL	210			0555 WTVW-7 IN 320
		WIPM-3	PR				0625 WDRB-41 KY 330
26 Tr	0545	WISH-8	IN	220	6	0530	WJIM-6 MI 450

"This is my first report. I started DXing TV about 9 months ago... DXing is not new to me since I used to DX FM a few years ago while I was in college. Presently here at Ft. Campbell KY I'm a Communications Officer for an Aviation Unit and have found TV-DXing at times to be as fun and exciting as flying helicop-

Robert Kramer		3406 West Pierce		Chicago, Illinois 60651		(CDT)						
December 1977												
16	Tr	0425	WHIO-7 OH	30	Es	1000	KACB-3 TX	12	Es	1800	WEDU-3 FL	
		0550	KFVS-12 MO 332			1050	KMID-2 TX	13	Tr	2335	KHIN-36 IA 398	
		0635	WEME-46 IN			1142	KENS-5 TX			2345	WHO-13 IA 315	
May 1978												
21	Tr	1913	KRCG-13 MO 335			1155	WBRZ-2 IA	14		0042	KDIN-11 IA 315	
29	LS	2048	WAND-17 IL			1200	WWL-4 LA			0200	WTCN-11 MN 360	
31	Es	2126	WNBC-4 NY			1243	WDSU-6 LA			0235	KFLO-11 SD 488	
		2145	KTW-3 PA			1528	WJXT-4 FL			0316	KCMO-5 MO 424	
						2359	KFDX-3 TX			0348	KTIV-4 IA 462	
June												
5	Tr	0440	WWJ-4 MI			0630	Pt Wayne U's			0522	KMBC-9 MO 424	
		0600	WPJA-21 IN			0720	WYFI-25 MI			0524	KFVS-12 MO 332	
		0610	WKJG-33 IN			0801	WGTV-29 MI			0642	KBMA-44 MO 424	
6		0550	WYFI-25 MI			2205	KTLV-3 IA			0720	WLEP-36 WI 325	
9		0030	WFFT-55 IN			0210	WTCN-11 MN 360			1632	WHO-13 IA 315	
		0035	WANE-15 IN			0242	KCCI-8 IA 315			1901	WUST-16 IL	
		0603	WDRB-41 KY			0514	WLOT-11 OH			1902	WVUJ-22 IN	
		0615	WLKY-32 KY			0524	WKBT-8 WI			1958	KYIN-24 IA 307	
			WAND-17 IL			0723	WHLA-31 WI			2010	W56AB-56 WI 153	
			Pt. Wayne U's			0858	WUCM-19 MI				W8AC-67 WI 153	
		0645	WTVS-56 MI			0958	KRIN-32 IA				W69AB-69 WI 153	
		0650	KMNL-30 MO			1958	KIIN-12 IA				(WMTV-15, WBA-21, WCOV-27	
		0655	WGPR-62 MI			2050	Louisville U's				xltrs; Darlington WI)	
		0745	WFTI-20 IN			2105	WKZZ-23 KY 307	15		0054	WJRT-12 MI	
		0510	WLWT-5 OH			2114	WKSQ-29 KY 373				WYFI-25 MI	
		0520	WKRC-12 OH			2133	WVVO-62 KY 314				both "local grade"	
		0600	WHIO-7 OH			2146	WXON-20 MI			0147	WKCR-22 OH	
20	Es	1059	KRW-3 NH			2149	WXON-52 KY			0259	WHIO-7 OH	
		1100	KAMR-4 TX			2159	WTVS-56 MI			0521	WJKW-8 OH 320	
		2011	KDLO-3 SD 537	6			WGPR-62 MI			0527	WBNS-10 OH	
		2020	KDIX-2 MD			0041	WOI-5 IA 310			0540	WLIC-11 IA 418	
		2033	KYUS-3 MT			0047	KCCI-8 IA 315	16		0538	WHIO-24 OH	
		2125	KLNE-3 NE? T			0100	WHO-13 IA 315	17		0437	WWUP-10 MI 372	
		1400	KBTX-3 TX			0108	KTVO-3 IA	18		0103	"WBNS off"	
23		1430	KDFW-4 TX			0431	CKGH-22-22 OH			0106	WTVO-2 IN	
		1500	KACB-3 TX			0445	CKCO-13 OH 390			0108	WMT-2 IA	
25	Tr	0128	WFRV-5 WI			0457	WDHO-24 OH			0115	WRAY-2 WI	
		0600	KSD-5 MO			0517	CHCK-12 OH 509			0302	WDTN-2 OH	
		1654	WFFT-55 IN			0520	CFPO-9 ON 440			0514	WJHK-2 MI	
		2135	WLIO-35 OH			0550	WRCB-11 MI 316	19		0600	KFVS-12 MO 332	
26		0030	Pt Wayne U's			0625	WHAS-11 KY	22	Es	1030	KBTX-3 TX	
28	GW	0647	WLFR-23 IL			0630	CHLP-25 ON 440	25	Tr	0050	WTCN-11 MN 360	
	Tr	0725	WPMB-38 WI			0649	WDRB-41 KY			0330	KCMO-5 MO 424	
		0752	WVUJ-22 IN? T			0709	CIGQ-32-32 ON			0525	WKBT-8 WI	
		0935	KYIN-24 IA 307			0710	WLKY-32 KY			0530	WHO-13 IA 315	
		1859	KTMC-3 IA 307			2029	CKCO-13 ON 390				"Gedar Rapids-	
		1900	KYIN-24 IA 307			2135	CIGA-19 ON 440				Waterloo V's local	
30		0445	WKRC-12 OH			1905	KHIN-36 IA 398				grade"	
			WCPO-9 OH			2059	WHRN-20 WI			0554	KCBJ-17 MO 327	
			WHAS-11 KY			2138	WBAU-13 WI			0729	WHLA-31 WI	
			WTOI-11 OH			2300	WHO-13 IA 315			0753	K33??-33 IA 258	
		0507	WXIX-19 KY			1854	KWAB-4 TX			0827	KYIN-24 IA 307	
		0520	WLKY-32 KY		10	Es	0328	KPLR-11 MO			0902	KRCG-13 MO 335
		0655	WTPB-49 IN			12	Tr	0528	KFVS-12 MO 332		1424	W39AA-59 IN 145
		0720	WOSU-34 OH								1454	WTPB-49 IN
		Es	0859	KMOL-4 TX							1626	Detroit U's
			1000	KJAC-4 TX							0528	KFVS-12 MO 332
											0652	WHEI-25 IN
											0610	WLOS-13 SC 570

"By the time this appears in print I'll finally be a member. Quite a bit of good tropo this year, but what happened to E-skip? Meteor scatter hasn't been very good either. In May I bought a Blonder-Tongue CMA-U-14-59 UHF preamp from Morris Goldman. I can only use it when there are no local U's on. I even get VHF overloading on UHF with it hooked up (that's what I get for being 3 miles from the Chicago xmtrs). Equipment here consists of a Sony TV-131, an Archer V-125 VHF-FM antenna and an 8 bay bowtie, along with numerous traps (mostly used to eliminate overloading on VHF). The log currently stands at 264, with 181 verified. The WLOS-13 logging of 7/29 was a new record distance for me, beating the previous record (WDBJ-7 & WLSL-10) of 533 miles, via tropo."

Michael L. Hogan 9224 Cottage Grove Avenue Highland, Indiana 46322 (CDT)

June 30 Es 0100 KPRC-2 TX 30 Es 0110 WWL-4 LA
 28 Tr 0600 WJIM-6 MI 0110 KJAC-4 TX
 "My log total remains at a meager 86 stations logged, 39 of those on UHF. I guess I am somewhat happy about having 20 TPU, which includes 19 states and 2 provinces (Saskatchewan & Quebec). I continue to use a Radio Shack UHF bowtie and the Stereo-Probe FM antenna. This season to this date (August 1) has been a real disappointment for Es. Tropo has been slightly better, but not really much time to chase UHF as my work schedule keeps me away from the dials. Also, by the time you read this report I will be a married man, which includes a change of address and a new DX location. The location is only about 10 miles from this one so there will be no real change in DX conditions, i.e. terrain. I will continue to be active in WFDN after the wedding. I plan to continue handling the reprint service, which I ask you all to take advantage of. There are some real interesting and helpful articles which will aid you in your DX-ing. If you have any comments or suggestions about the reprint service just write to me c/o club E.Q. 73's for now."

Bob Zent 1835 Fruit Street Huntington, Indiana 46750 (EST)

July 12 Tr 0630 WYUR-48 AL 445 19 Tr 0630 CICA-19 ON 360
 5 Tr 0605 WTVK-26 TN 360 WAAV-31 AL 445 CBLFT-25 ON 360
 1800 KRIN-32 IA 375 Es 1615 WLBT-3 MS WPGH-53 PA 290
 KDUB-40 IA 295 Jackson 665 2045 WUSI-16 IL 220
 2000 WHTT-19 AL 445 1623 KATC-3 LA 850 22 Es 2000 KBTX-3 TX 950
 WAAV-31 AL 445 1859 WPBT-2 FL 1110 KMOI-4 TX 1125
 WYUR-48 AL 445 14 1638 ICR2-4 CUBA KENS-5 TX 1125
 2003 WRIP-61 TN 415 1640 WPBT-2 FL 1110 2020 WPBT-2 FL 1110
 WTCI-45 TN 415 ICR-2 CUBA 2035 unIDs 3,5 CUBA
 2005 WFIQ-36 AL? T Tr 1815 KWWL-7 IA 375 25 Tr 2215 CBLFT 76 ON 300
 "most KBT stns Chatham U's 200
 very strong" Davenport 275
 WOC-6 IA
 2032 WZTV-17 TN 345 1825 WBBF-4 IL 275 Sarnia 215
 6 1859 Toronto U's 360 1827 WQAD-8 IL 275 2237 W67AJ-67 MI
 1900 CBLFT 76 ON 300 1828 KDUB-40 IA 295 Ann Arbor 125
 CBLFT 240 ON 260 1829 KGRG-9 IA 330 (WJIM-6 xltr)
 8 1945 KRIN-32 IA 375 1930 KYIN-24 IA 420 26 2114 WESG-29 KY 275
 2000 KHIN-36 IA 15 1118 WKPT-19 TN 340 31 Es 2205 unID-3 R.N.E.
 Red Oak 525 19 0608 CIOOB 18 ON 260 0 to WKYC-3
 2057 KYIN-24 IA 420 CIOO2828 ON 300 "program ap-
 10 Es 2029 KTWO-2 WY 1110 CIOO5959 ON 200 peared to be
 11 2000 WLBT-2 MS 875 WSTV-9 OH 255 British...no
 2016 unIDs 5,6 "now ABC" PBS R.N.E.?"
 "CFL football" 0630 WNED-17 NY 370 2230 CKCW-2 NB? T
 "Five new loggings this month plus one tentative, which brings my total to 299"

Steven Shaffer 10956 Indianapolis Blvd. Box 4 Hammond, Indiana 46326 (CDT)

June 20 Es 1645 "Hash on chs 3 30 Es 1100 KPRC-2 TX
 14 Es 0945 KOTA-3 SD 800 & 4, and many Houston 1000
 1000 KDUB-4 NE 750 unIDs WBRZ-2 LA
 20 0930 KENW-3 NM 930 24 (From Rice Lake WI) Baton Rouge 1000
 1000 KAMR-4 TX Es 1130 KOAI-2 AZ 1230 KATC-3 LA 1000
 Amarillo 860 Flagstaff 1160 1500 WESH-2 FL
 1030 KDEC-4 TX 1200 XKPM-2 Chih Daytona Beach 1150
 El Paso Ciudad Juarez 1135 1530 WWAY-3 NC 1000
 1300 KTVK-3 AZ Phoenix 1300

"I finally did figure out the mileage for the stations I got in Rice Lake WI, and the results really surprised me. None of the stations I got up there were from distances under 1000 miles! The station that I suspect I got on 2Es (KTVK-3) stayed in for 2 solid hours!!! All of this Wisconsin DX was on a 12" portable and a pair of broken down rabbit ears. Well, as you can see there isn't anything listed after the DX catches from WI, so nothing happening here."

Richard D. Stein 456 Barrymore Place North Brunswick, New Jersey 08902

"I usually don't do much TV DXing; however I did get the following:
 22 July 78 1800-1843 Es WEDU-3 Tampa-St Petersburg FL
 Receiver is a Panasonic 19 inch color set; rabbit ears used."

Paul E. Petosky Box 537, 712 Brook Street Munising, Michigan 49862 (EDT)																
June																
17	Es	0204	CKBI-5 SK	942	30	Tr	0135	CBELAT-8 ON	199	5	Tr	0208	WBAU-13 WI	260		
		0210	CPQC1-3 SK					CBWDT-9 ON				0223	WIBW-13 KS			
			Stranraer					Dryden	364				Topeka	673		
		0219	CKBI3-4 SK				Au	0145	"channels 2			0225	WML-2 IA	400		
		0220	CPQC2-6 SK					thru 6...then	6			0100	WISH-12 WI	235		
			N Battleford					dropped out...					WITI-6 WI	235		
20		2100	WUPT-5 FL	1180				then Es...				0151	WTOI-11 OH	354		
		2127	WCSO-5 SC	1010				0235	KPRC-2 TX	1250		0205	KPIR-11 MO			
		2300	WBRZ-2 LA	1130				0240	WWL-4 LA	1155			St Louis	565		
		2310	"Es fading out					2305	WWL-4 LA	1155		0218	WHAS-11 KY			
			--then noted					2330	WBRZ-2 LA	1130			Louisville	565		
			Au on ch 5."				July					0230	WMMJ-4 WI	235		
							3	Tr	2300	CBELAT1-8 ON	199		0237	WOV-8 MI	240	
23	Tr	2300	WSAU-7 WI	170			5		0145	WITI-6 WI	235		0300	WBBM-2 IL	315	
			WAOW-9 WI	170						WISN-12 WI	235		0325	KCRG-9 IA	400	
		2330	WPTV-9 MI	160						WMMJ-4 WI	235		Es	2200	unLDe 2-5	
24		0235	CBELAT1-8 ON	199				0202	KTPC-10 MN			9	Tr	0045	WBAU-13 WI	260
	Es	1030	WJXT-4 FL	1130					Rochester	319				0120	WZZM-13 MI	240

"It has been a couple years since I have reported to the TV DX column! I have been involved in TV DX since 1954...I always used to call my location TROP HAVEN; almost daily, I pick up all the CBELAT repeater stations on the other side of Lake Superior (low powered), so I don't report them all the time. My equipment for VHF is: Channel Master model 1110 Quantum VHF/FM antenna, up 50 feet on a Rohn 25G tower, using a Blonder-Tongue AB-3 amplifier, .405 coax and a TR 44 rotor. For UHF: Channel Master 7-foot dish, model 4251, up at 60 feet using a Blonder-Tongue CMA-Ub amplifier and .750 coax. My TV is a 1976 GE 19" Modular Solid-State Color TV with 4 IF stages. The reason for not reporting any UHF: I have a wire off. It came un-hooked last winter; I will get it up again in the next few weeks, as I know I am missing a lot of goodies on UHF. Northern Lights 7/5/78 morning were spectacular over Lake Superior. By the way, I am Account Executive at WJPD-AM/FM in Ishpeming, Michigan. FM is 100,000 watts stereo on 92.3 MHz and the AM is 1000 watts."

Paul L. Gaines 15920 Puritan Street Detroit, Michigan 48227 (EDT)														
June														
30	Es	0205	KKAS-5 TX	1000	6	Tr	0917	WRAU-19 IL	345	19	Tr	0715	WKLY-32 KY	310
	Tr	0829	W7AB-47 OH	115			0919	WAND-17 IL	340			0826	WBOY-12 WV	260
	Es	1132	TVNational 3	CUBA			1334	WIGD-15 IL	305			0845	WBAK-38 IN	290
		1133	WEDU-3 FL	1000			2136	WILL-12 IL	305			0905	W47AB-47 OH	115
		1134	WPTV-5 FL	1110			2144	WBAK-38 IN	290	20		0210	WOWK-13 WV	280
		1135	WCIX-6 FL	1170			2220	WMBD-31 IL	345	25		2316	WIGD-15 IL	305
		1202	unLD-3 3/4 CB				2254	WRHI-10 IN	290			2318	W39AA-39 IN	130
		1206	IGR2-5 CUBA				7	0420	CKGN2-2 ON			2327	WUSI-16 IL	355
		1244	KATC-3 LA	970		MS	0437	WCBS-2 NY	490			2334	WBAK-38 IN	290
		1500	KRIS-6 TX	1280		Tr	0539	WOWK-13 WV	280			2338	WRHI-10 IN	290
		1500	KIII-3 TX	1280				0901	WEDU-3 FL	1000		2341	WPTB-14 IN	375
		1526	WUPT-5 FL	905		11	Es	0923	TVNational 3	CUBA		2357	WVUT-22 IN	
								0953	WPTV-5 FL	1110			Vincennes	340
July								1038	IGR2-5 CUBA			2359	WTIU-30 IN	280
1	Es	0001	WPTV-5 FL	1110				1259	KATC-3 LA	970		0008	WHTS-25 IN	375
		0020	WEDU-3 FL	1000	12			0937	WMBD-31 IL	345		0014	KFFS-12 MO?	?
5	Tr	0927	WMBD-31 IL	345	14	Tr	0937	WMBD-31 IL	345				WKLY-32 KY	310
		0950	WKLY-32 KY	310				2257	WIGD-15 IL	305			WZTV-17 TN	475
		2202	WILL-12 IL	305				2302	WILL-12 IL	305		0117	WDRB-41 KY	310
		2205	WIGD-15 IL	305				2310	WBAK-38 IN	290		0233	WOWK-13 WV	280
		2211	WBAK-38 IN	290				2311	WRHI-10 IN	290		0235	WTVR-5 TN	475
		2217	WZTV-17 TN				15	0004	WMBD-31 IL	345		0525	WTAJ-10 PA	275
			Nashville	475				0035	WTVR-17 IL	305	27	0838	WMBD-31 IL	345
		2301	KDNL-30 MO	450				0105	WFLE-14 IN	375	28	0820	WIGD-15 IL	305
		2308	WPTB-14 IN	375				0242	WREX-13 IL	300	29	0129	WIGS-20 IL	375
		2324	WUSI-16 IL	355				1101	WRHI-10 IN	290		0132	WMBD-31 IL	345
6		0009	KDUB-40 LA	375	16		0740	1110	WBAK-38 IN	290		0202	WIGD-15 IL	305
		0033	WIFR-23 IL	325					WROC-8 NY	280		0206	WRAU-19 IL	345
		0036	WTVR-17 IL	300					WHEC-10 NY	280		0207	WREK-25 IL	345
		0058	WIGS-20 IL	375	17		0811	WOKR-13 NY	280			0216	KINL-30 MO	450
		0208	WREX-13 IL	300				0818	W26AA-26 NY	195		0818	WLEK-18 KY	305
		0216	KCRG-9 IA	415	19				W46AB-46 NY	180		0821	WKYT-27 KY	305
		0243	KCCI-8 IA	530				0139	WIGD-15 IL	305		0839	WKPT-19 TN	405
		0849	WREK-25 IL	345				0216	WRHI-10 IN	290	30	0211	WOWK-13 WV	280
								MS	0235	WCBS-2 NY	490			

VHF Great Lakes Marine

Weather Broadcasts

by William R. Hepburn

- 1) NOAA Weather Radio
- 2) Weatheradio Canada
- 3) United States Coast Guard
- 4) Canadian Coast Guard Radio
- 5) U.S. Marine RadioTelephone

1) NOAA WEATHER RADIO

NOAA Weather Radio stations transmit on the frequencies of 162.40, 162.475, or 162.55 MHz. These stations are operated by the National Weather Service and broadcast weather info 24 hours a day.

The average format of a Great Lakes NOAA station includes a brief description of weather systems affecting, or forecast to affect the area; the latest forecast for the vicinity and an extended outlook; climatic data; local, area, and Coast Guard weather observations; a radar summary; open-waters forecast; and a near-shore marine forecast.

Location	Call	Freq.	Power	
Sault Ste. Marie, Mich.	KIG-74	162.55	300	
Marquette, Mich.	KIG-66	162.55	300	*
Houghton, Mich.	.....	162.40	1000	**
Duluth, Minn.	KIG-64	162.55	1000	
Traverse City, Mich.	KIH-22	162.40	300	
Grand Rapids, Mich.	KIG-63	162.55	1000	
South Bend, Ind.	WIJ-57	162.40	....
Chicago, Ill.	KWO-39	162.55	500	
Milwaukee, Wisc.	KEC-60	162.40	330	
Green Bay, Wisc.	KIG-65	162.55	1000	
Flint, Mich.	KIH-29	162.40	1000	
Alpena, Mich.	KIG-83	162.55	300	
Buffalo, N.Y.	KEE-98	162.55	500	
Erie, Penn.	KEC-58	162.40	330	
Akron-Canton, Ohio	KID-94	162.40	330	
Cleveland, Ohio	KHB-59	162.55	500	
Sandusky, Ohio	KHB-97	162.40	330	
Toledo, Ohio	.....	.....	....	***
Detroit, Mich.	KEC-63	162.55	330	
Syracuse, N.Y.	.....	.....	....	****
Rochester, N.Y.	KHA-53	162.40	300	

* Marquette NOAA operates from 6:30 am - 10 pm only

** Houghton NOAA to be on air by late August. Broadcast console will be located at n.w.s. Marquette, with the transmitter at Painesdale.

*** To be on air "soon". No other info available.

**** Planned for 1979.

2) WEATHERADIO CANADA

The Weatheradio Canada network is the Canadian version of NOAA Weather Radio. These stations will also give 24-hr. weather information on 162.40, 162.475, and 162.55 MHz.

Currently there are no stations on the air in the Great Lakes region. The first station to go on the air will be located in Toronto. The station will begin testing in early September and should be on the air by late summer or early fall. An application has been made for a license, but as yet, no frequency, call, or power output has been assigned. The probable frequency will be 162.40 MHz. The transmitter will be located on the CN Tower and will be directional with a cardioid pattern centered to the northwest. Future plans call for the installation of stations in Thunder Bay, Sudbury, Windsor, London, St. Catharines, and Ottawa.

Further information, when available, will be directed to the "In Search of PSB" column.

3) UNITED STATES COAST GUARD

U.S. Coast Guard marine warning broadcasts are made on the frequency of 157.1 MHz during periods when a gale or storm warning is in effect. These broadcasts are made during the navigation season only.

Location	Call	Freq.	Schedule (EDT)	am & pm
Sault Ste. Marie, Mich.	NOG	157.1	2:05, 5:05, 8:05, 11:05	
Duluth, Minn.	NOG-14	157.1	3:35, 6:35, 9:35, 12:35	
Muskegon, Mich.	NMD-32	157.1	even hr. 55	
Milwaukee, Wisc.	NMF-9	157.1	1:55, 4:55, 7:55, 10:55	
Port Huron, Mich.	NMD-22		discontinued	
Tawas, Mich.	NMD-24		discontinued	
Buffalo, N.Y.	NMD-47	157.1	1:55, 4:55, 7:55, 10:55	
Cleveland, Ohio	NMD-2		discontinued	
Marblehead, Ohio	NMD-15		discontinued	
Detroit, Mich.	NMD-25	157.1	3:55, 6:55, 9:55, 12:55	
Belle Isle, Mich.	NMD-20		discontinued	
Alexandria Bay, N.Y.	NMD-35	157.1	1:35, 4:35, 7:35, 10:35	

4) CANADIAN COAST GUARD RADIO

Canadian Coast Guard continuous marine broadcasts are made on the frequency of 161.65 MHz 24 hours a day. Scheduled broadcasts on 161.9 MHz were discontinued Jan. 1, 1978.

Broadcasts originate from a base station and is relayed to a number of peripheral stations. These peripherals have no individual call signs. The average format includes marine forecasts (in MAFOR code); a weather synopsis; near-shore marine forecasts; notices to shipping; local weather observations; and selected ship weather observations.

Location	Call	Freq.	Power
Thunder Bay, Ont.	VBA	161.65	100
- Horn		161.65	100
- Sibley		161.65	100
Sault Ste. Marie, Ont.	VBB	161.65	100
- Bald Head		161.65	100
- Blind River		161.65	100
- Gore Bay		161.65	100
Wiarton, Ont.	VBC	161.65	100
- Killarney		161.65	100 *
- Meaford		161.65	100
- Tobermory		161.65	100
Sarnia, Ont.	VBE	161.65	100
- Kincardine		161.65	100
- Leamington		161.65	100

Location	Call	Freq.	Power
Port Burwell, Ont.	VBF	161.65	100
Toronto, Ont.	VBG	161.65	100
- Cobourg		161.65	100
- Fonthill		161.65	100
- Orillia		161.65	100
- Trafalgar		161.65	100
Cardinal, Ont.	VDQ	161.65	100
- Cornwall		161.65	100 **
- Gananoque		161.65	100 ***
- Kingston		161.65	100

* Killarney facility to be on air by fall of 1978

** Cornwall facility to be on air by spring of 1979

*** Gananoque facility to be on air by fall of 1979

5) U.S. MARINE RADIO-TELEPHONE

Radiotelephone stations WLC and WMI make two types of broadcasts daily. The MAFOR broadcast consists of coded marine forecasts (in MAFOR code) followed by a weather synopsis. The LAWEB broadcast consists of weather observations for Great Lakes land stations (US & Canad.), ship reports, and barometer readings for selected stations across the U.S. and Canada.

WMI makes these broadcasts regularly but WLC only broadcasts the LAWEB on an 'as needed' basis during the navigation season.

WLC : MAFOR at 6:17, 12:17 am & pm (EST)
LAWEB at 2:45, 8:45 am & pm

Location	Call	Freq.	Power
Rogers City, Mich.	WLC	161.9	50
Charlevoix, Mich.	WLC	161.9	50
Tawas City, Mich.	WLC	161.9	50
Sault Ste. Marie, Mich.	WLC	161.9	50

WMI & Great Lakes VHF System : MAFOR at 6:02, 12:02 am & pm (EST)
LAWEB at 2:32, 8:32 am & pm

Location	Call	Freq.	Power
Lorain, Ohio	WMI	161.975	100
Duluth, Minn.	KVY601	161.825	100 (former WAS)
Copper Harbor, Mich.	KVY602	161.825	100
Grand Marais, Mich.	KVY603	161.975	50
Sturgeon Bay, Wisc.	KVY604	161.975	100
Pt. Washington, Wisc.	KVY605	161.875	50 (former WAD)
Ontonagon, Mich.	KIL922	161.975	100
Pickford, Mich.	KIL923	161.825	100
Benton Harbor, Mich.	KIL924	161.975	50
Alpena, Mich.	KIL925	161.975	75
Harbor Beach, Mich.	KIL926	161.825	50
Algonac, Mich.	KIL927	161.975	33
Oregon, Ohio	KIL928	161.825	75
Ripley, N.Y.	KIL929	161.825	100

Note : WLC also rebroadcasts WWV time signals daily at 12 noon (EST)

Look for updates to this information in the "Search for FSB" column.

WESTERN TV-DX

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

SEPTEMBER 1978

The Es season this year has been very poor here with only 3 openings in July! And so far in August I have seen none. Tropo has only been fair at best with no good openings since May.

Buck Battin, 4305 Pitt, Duluth, Minnesota 55804

Now that July has come and gone, it's safe to say that this year's Es season was a total bust. Tropo, however, continues to be better than usual for this time of year. Duluth log total now stands at an even 200.

July 1978

01 Es 0101 WKRG 5 AL 1160	08 Tr 2211 WUAB 43 OH 635	11 Tr 2319 WLFI 18 IN 525
0105 WEAR 3 FL 1190	2232 WOTV 8 MI 425	2326 WVUT 22 IN 610
0117 WWL 4 LA 1170	2235 WHEO 45 OH 700	2347 ??? 49 IL
0127 WLEF 3 MS 1025	2302 CKCO3 42 Ontario	14 Tr 0116 WBBF 4 IL 375
0139 WSB 2 GA 1010	2305 WDOM 20 MI 555	0127 WTHR 13 IN 585
04 Tr 2138 U's Rockford, IL	11 Tr 2048 U's Chicago	0150 V's Chicago
2140 U's Peroria, IL	2051 U'S South Bend	22 Es 2000 WMAR 2 MD 950
2142 KDNL 30 MO 575	Es 2000 WMAR 2 MD 950	WRC 4 DC 950
2202 U's Chicago, IL	Tr 2108 WFIE 14 IN 655	2101 WCBS 2 NY 1000
2210 WICS 20 IL 405	2109 WICS 20 IL 500	25 Tr 1406 U's Sioux City
2245 WGVC 35 MI 425	2121 WUSI 16 IL 600	Es 1811 WBRZ 2 LA 1145
05 Tr 0128 WMT 2 IA 340	Es 2200 WUND 2 NC 1135	Tr 1821 WHO 13 IA 370
0133 WQAD 8 IL 375	13 Tr 1912 KDNL 30 MO 575	1823 WGVC 35 IA 425
08 Tr 1300 WFLD 32 IL 405	1915 KCBJ 17 MO 545	1954 WTLJ 4 WI 335
2020 U's South Bend	1917 WICS 20 IL 500	1955 U'S Chicago
U's Chicago	1934 WAND 17 IL 510	2000 U's South Bend
WGVC 35 MI 425	1937 WIII 38 IN 570	2025 U's Peoria
WKJG 33 IN 540	2012 U's Peoria	2035 WIPB 49 IN 580
WKAR 25 MI 485	2014 WUSI 16 IL 600	2039 WBBT 25 IN 655
2034 WEYI 25 MI 425	2016 U's Chicago	2044 WUHQ 41 MI 475
2041 WCMU 19 MI 470	2017 KBMA 41 MO 550	2047 WTIU 30 IN 610
2135 WZZM 13 MI 425	2020 WILL 12 IL 405	2129 WUSI 16 IL 600
2148 WLFI 18 IN 525	2140 KIIN 12 IA 360	2135 U's Detroit
2150 WTIU 30 IN 610	2210 U'S South Bend	2243 KDNL 30 MO 575
2152 WLKY 32 KY 690	2230 WTIU 30 IN 610	2252 WKJG 33 IN 540
2153 WFFT 55 IN 540	2240 WFFT 55 IN 540	2308 WICS 20 IL 500
2209 U's Detroit	2243 WKJG 33 IN 540	

Until next month, may your screens be filled with distant signals.

John Phillips, 4459 Downing Ct., Pleasanton, CA 94566

Well, the drought in California may now be a thing of the past but the skip season's right in the middle of a beauty! The odd thing is that it started earlier than usual this year, promising a possible above average season. However, most of the Es has been of a pitiful, weak, enemic variety, with MUF's rarely rising above Ch. 4. There have been too many times when wisps of CCI have appeared over Ch. 2, lingering for hours at a time, then fading out completely. Your basic unfulfilled opening. Tropo activity has been way down too as the summer fog layer has been very low and has not extended far enough inland as it has in years before. Is anyone aware in a change of offsets in KFDX-3 and KACB-3? KFDX now appears to be either a plus or minus and KACB now at a 0 offset. Hope the season is a tad more productive elsewhere for all of you than it is here!

May 1978

08 Es 1230 CBUT 2 BC 799	13 Es 1630 KDIX 2 ND 1159	29 Es 1130 CFAC 2 AT 992
13 Es 1030 CKCK 2 SK 1253	29 Es 1105 KTVQ 2 MT 888	30 Es 1052 CFAC 2 AT 992
	1130 CKCK 2 SK 1253	

June 1978

01 Es 1835 KMID 2 TX 1183	14 Es 2314 CKBMT 4 SK 1229	20 Es 0845 KRMA 6 CO 932
02 Es 1845 KMID 2 TX 1183	2330 KTVQ 2 MT 888	0900 KYCU 5 WY 942
04 Es 0958 CKCK 2 SK 1253	2400 KXGN 5 MT 1132	1000 KDUH 4 NE 1060
1245 KDIX 2 ND 1159	15 Es 0030 KOA 4 CO 932	KHAS 5 NE 1267
06 Es 0958 CKCK 2 SK 1253	0805 KAVE 6 NM 1055	WOWT 6 NE 1395
09 Es 1930 XEPM 2 CH 963	0812 KMID 2 TX 1183	1107 KDLO 3 SD 1402
2000 KMID 2 TX 1183	0825 KENW 3 NM 1055	1135 KTWO 2 WY 908
10 Es 1110 KMID 2 TX 1183	0835 KACB 3 TX 1284	21 Es 2230 KARD 3 KS 1453
1125 KENW 3 NM 1055	1000 KDBC 4 TX 963	2235 CFAC 2 AT 992
1138 KACB 3 TX 1284	2245 CFAC 2 AT 992	2250 KCKT 2 KS 1243
1205 XEPM 2 CH 963	17 Es 1425 KNOP 2 NE 1144	24 Es 1057 KOLB 4 ND 1369
KDBC 4 TX 963	1435 KDIX 2 ND 1159	1058 KFYR 5 ND 1276
1400 XHQ 3 SN 1232	1855 KMID 2 TX 1183	1100 KDIX 2 ND 1159
XHI 2 SN 986	1915 KACB 3 TX 1284	26 Es 1000 KDIX 2 ND 1159
XHBS 4 SN 1115	2000 KARD 3 KS 1453	1030 KTVQ 2 MT 888
14 Es 0900 CKSA 2 AT 1241	2015 KTVY 4 OK 1348	1910 KMID 2 TX 1183
0925 CFCN 4 AT 992	18 Es 1023 KDUH 4 NE 1060	KENW 3 NM 1055
0930 CBXT 5 AT 1181	1030 KPHY 4 SD 1240	1912 KWAB 4 TX 1206
1000 KTVQ 2 MT 888	20 Es 0845 KWGN 2 CO 932	28 Es 1145 KARD 3 KS 1453
1130 KMID 2 TX 1183	KCKT 2 KS 1243	1200 KCKT 2 KS 1243
KFDX 3 TX 1327	KLNE 3 NE 1193	29 Es 1150 KMID 2 TX 1183
2055 KMID 2 TX 1183	KOA 4 CO 932	1237 CKSA 2 AT 1241
2135 KAMR 4 TX 1140	KSNB 4 NE 1280	1257 CKBI 5 SK 1327
2314 CKCK 2 SK 1253	KWNB 6 NE 1127	1307 CFAC 2 AT 992

Richard Noel Allen, Rural Route, Billings, OK 74630 CST

July 1978

05 Es 1821 KUTV 2 UT 1345	06 Es 1800 KID 3 ID 1480	22 Es 1515 CFAC 2 AT 2120
KBCI 2 ID 1790	09 Es 0856 KUTV 2 UT 1345	1559 WPSX 3 PA 1750
1831 KAID 4 ID 1790	KTVX 4 UT 1345	1853 WBTW 3 NC 1540
KID 3 ID 1480	19 Es 1655 XEW 2 DF 1850	WWAY 3 NC 1810
06 Es 1724 KBCI 2 ID 1790	21 Es 1759 WPBT 2 FL 2150	2058 KAID 4 ID 1790
1731 KAID 4 ID 1790	1855 WEDU 3 FL 1720	28 Es 1659 CKCK 2 SK 1695

Receivers: Sony KV 1212 Color and Sony TV 115 Black and White. Antenna: Winegard 11 element log (VHF) and Archer 44-element log (UHF) with pre-amp. Distances are in kilometers.

Paul Wardell, 2104 S.E. 28th Pl., Portland, Oregon

June 1978

21 Es 2232 KDBC TX	24 Es 1220 KOB 4 NM	Receiver: GE Porto-Color
22 Es 1230 KNBC CA	1225 KVOA 4 AZ	

Fred McCormack, Des Lacs, ND 58733

CDT

Equipment: Heath GR-295, Winegard CW-48 (Des Lacs)
 Heath GR-169, rabbit ears (Fargo) * indicates logging from Fargo, ND.

May 1978

13 Es 2058 KATU 2 OR 1015	18 Es*2058 KENW 3 NM 965	25 Es 1200 KTVK 3 AZ 1050
28 Es 1630 WRCB 3 TN 1230	20 Es*1800 KYW 3 PA	1201 KVOA 4 AZ 1195
1959 WSB 2 GA 1335	*1855 KTVI 2 MO 660	28 Es*2020 KENW 3 NM 965
2059 WMAB 2 MS 1215	*1955 KREM 2 WA 960	July 1978
2200 WTWO 3 IN 940	*2000 WCLA 3 IL	01 Es*1257 KENW 3 NM 965
2222 WAVE 3 IN 1040	23 Es 1500 KTVO 3 MO 696	08 Es 1735 WSYR 3 NY 1275
29 Es 0931 WMAB 2 MS 1215	1545 WEAR 3 AL 1420	1858 CKSO 3 ON
1029 KDBC 4 TX 1165	1600 WMAB 2 MS 1215	2100 WMAB 2 MS 1215
1045 KPFO 5 AZ 1165	24 Es 0959 WEAR 3 AL 1420	09 Es 0915 WSB 2 GA 1335
1130 KTVK 3 AZ 1165	1000 WMAB 2 MS 1215	0959 KITV 3 MO 880
1158 KDRK 3 NV 1085	1029 KATC 3 LA 1350	1030 KMID 2 TX 1115
1159 KUTV 2 UT 740	1100 KDRK 3 NV 1085	21 Es 2200 KNBC 4 CA 1290
1230 KOMO 4 WA 960	1106 KMID 2 TX 1115	KTLA 5 CA 1290
1328 KCRA 3 CA 1210	1330 KDBC 4 TX 1165	2217 WHEN 5 NY 1275
1400 KCRL 4 NV 1085	KENW 3 NM 995	WKTV 2 NY 1325
1728 KREM 2 WA 730	25 Es 1030 KDBC 4 TX 1165	2259 WKYC 3 OH 1080
June 1978	1048 XEPM 2 CH 1180	2300 WPSX 3 PA 1230
05 Es*2000 KORK 3 NV 1195	1200 KOAI 2 AZ 1050	22 Es 1029 WSB 2 GA 1335
09 Es*1400 KFDX 3 TX 900		

July 1978

22 Es 1100 KORK 3 NV 1195	22 Es 1500 KENW 3 NM 965	28 Es 1625 KALB 5 LA 1280
1130 KPFO 5 AZ 1165	1610 XEPM 2 CH 1180	1700 KTXB 5 TX 1015
KTVK 3 AZ 1195	1655 KOB 4 NM 935	1758 KATC 3 LA 1350
KVOA 4 AZ 1195	2033 KAMR 4 TX 895	1759 KARK 4 AR 1040
1200 KENW 3 NM 965	2200 KORK 3 NV 1195	1805 WLBT 3 MS 1250
1228 KPFX 3 TX 1005	KPHO 5 AZ 1165	1930 KETS 2 AR 1065
1229 KUTV 2 UT 740	2300 KCRA 3 CA 1210	WBRZ 2 LA 1355
1400 KATC 3 LA 1350	KRON 4 CA 1275	1959 KMOL 4 TX 1325
1420 KORK 3 NV 1196	2345 KYW 3 PA 1415	KGBT 4 TX 1540
1428 KUTV 2 UT 740	28 Es 1619 KTBS 3 LA 1145	

Pat Dyer, 5315 Silvertip Drive, San Antonio, Texas 78228

CST

July 1978

01 Es 0859 KTCA 2 MN 1110	07 Es 0847 KOAI 2 AZ 855	18 Es 0829 KID 3 ID 1215
0929 KDLO 3 SD 1070	0848 KORK 3 NV 1050	0858 KUTV 2 UT 1080
0959 KUSD 2 SD 920	0859 KTVK 3 AZ 835	0959 KOAI 2 AZ 855
1029 KOTA 3 SD 1040	1029 KNXT 2 CA 1190	1029 KORK 3 NV 1050
1059 KID 3 ID 1215	1320 KORK 3 NV 1050	KNXT 2 CA 1190
1129 WMT 2 IA 945	08 tr 0447 KNOE 8 LA 440	1117 XHBC 3 BCN 1010
KTWO 2 WY 1015	Es 1732 KTVQ 2 MT 1245	1159 WCBD 2 SC 1120
1605 WPMY 2 NC 1175	1746 KTWO 2 WY 1015	ms 1229 WTWO 2 IN 935
1629 WSB 2 GA 880	1828 WPMY 2 NC 1175	19 Es 1159 WKZO 3 MI 1140
WSJK 2 TN 1010	10 Es 1006 KNXT 2 CA 1190	1200 KTVI 2 MO 790
1657 WDTN 2 OH 1075	1702 KDAL 3 MN 1250	1229 WBBM 2 IL 1045
1700 WAVE 3 KY 945	1715 WCCO 4 MN 1110	1558 KNXT 2 CA 1190
1829 WCIA 3 IL 935	1723 KBJR 6 MN 1250	1629 KTVK 3 AZ 835
1947 KNXT 2 CA 1190	1729 KTCA 2 MN 1110	KEYT 3 CA 1270
2032 KOTA 3 SD 1040	1827 WOI 5 IA 880	1643 KORK 3 NV 1050
2059 KDIX 2 ND 1225	1859 KIMT 3 IA 985	1700 KOAI 2 AZ 855
KTWO 2 WY 1015	11 Es 0025 WDTN 2 OH 1075	1956 WBAY 2 WI 1190
2200 KUTV 2 UT 1080	0026 KDKA 2 PA 1280	20 Es 0323 KDKA 2 PA 1280
2320 KQTV 2 MO 750	0055 WJBK 2 MI 1225	0332 WDTN 2 OH 1075
02 ms 0444 WRBL 3 GA 830	0100 WBBM 2 IL 1045	0344 WJBK 2 MI 1225
Es 1059 KGFE 2 ND 1240	1059 WTHS 2 FL 1150	1029 WTHS 2 FL 1150
1159 KID 3 ID 1215	1229 WESH 2 FL 1055	1129 KNXT 2 CA 1190
1240 KBCI 2 ID 1370	1300 WEDU 3 FL 985	KEYT 3 CA 1270
03 Es 0912 KORK 3 NV 1050	1740 WESH 2 FL 1055	1159 KTVK 3 AZ 835
1058 KNXT 2 CA 1190	1752 WPBT 2 FL 1150	21 Es 1828 WESH 2 FL 1055
04 tr 0401 KLFY 10 LA 395	1851 YSR 2 El Sal	1829 WEDU 3 FL 985
0413 KLVY 7 TX 280	12 Es 0625 WJMN 3 MI 1280	22 ms 0451 WBRZ 2 LA 450
0429 WLOX 13 MS 570	WEAY 2 WI 1190	Es 1120 WTWO 2 IN 935
2225 WRBT 33 LA 450	1029 KTCA 2 MN 1110	1159 WCIA 3 IL 935
05 tr 0047 KFDM 6 TX 275	WTSC 3 WI 1065	1259 KTCA 2 MN 1110
0402 KNOE 8 LA 440	KIMT 3 IA 985	KDLO 3 SD 1070
Es 0859 KNXT 2 CA 1190	1658 WESH 2 FL 1055	1959 WSJK 2 TN 1010
KEYT 3 CA 1270	1659 WEDU 3 FL 985	2001 WJBK 2 MI 1225
1259 KUTV 2 UT 1080	1759 WSJK 2 TN 1010	24 Es 1023 WJBK 2 MI 1225
1813 YNTC 2 Nica.	2115 WTVJ 4 FL 1150	1029 WTWO 2 IN 934
2029 KGFE 2 ND 1240	14 Es 1415 Cuba 2	25 Es 0722 WSB 2 GA 880
2059 KTCA 2 MN 1110	1452 WESH 2 FL 1055	1125 KTVI 2 MO 790
06 Es 0859 KNXT 2 CA 1190	15 Es 1059 KORK 3 NV 1050	1159 WTHS 2 FL 1150
1100 XEZ 3 620	1129 KOAI 2 AZ 855	1729 WJBK 2 MI 1225
super ID in white	KNXT 2 CA 1190	1759 WDTN 2 OH 1075
upper right	1400 XHBC 3 BCN 1010	1929 WESH 2 FL 1055
1410 XHTV 4 DF 690	17 ms 0040 WSB 2 GA 880	26 ms 0207 WDTN 2 OH 1075
2001 KTVQ 2 MT 1245	Es 1748 WESH 2 FL 1055	Es 0805 KNXT 2 CA 1190
2030 KTWO 2 WY 1015	1759 KTWO 2 FL 1015	27 tr 0411 KLTV 7 TX 280
2058 KOTA 3 SD 1040	1851 YSR 2 El Sal	ms 0454 WKRG 5 AL 630
07 Es 0829 WMAB 2 MS 615	18 Es 0729 KTVQ 2 MT 1245	28 Es 1829 WGR 2 NY 1420
WRCB 3 TN 865	0827 KTWO 2 WY 1015	2058 WESH 2 FL 1055
0839 KTWO 2 WY 1015		

July 1978

29 ms 0359	WTVY	4 AL	795	30 ms 0454	WREL	3 GA	830	30 Es 2059	WCRD	2 SC	1120	
Es 0829	KDKA	2 PA	1280	Es 0958	WMT	2 IA	945		2229	KTCA	2 MN	1110
0859	WDTN	2 OH	1075	1200	KCKT	2 KS	615	31 Es 0825	WDTN	2 OH	1075	

Got a few new ones again this period. Hope to grab some more of those missing 4 and 5's during the Perseids. Problem is with CDST in use the locals are on before the max rate is reached in the mornings. And for some reason the trop usually seems to be good and a lot of unwanted CCI to cope with. Mexico is definitely using individual ID's on some of their programming now. Ionospheric heating experiment uncertain don't know if it even ran on schedule. Supposed to mainly create auroral effects on VHF/UHF but midpoint of path over it comes down in Alberta from here (and E-layer height is even below the radio horizon from here.

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

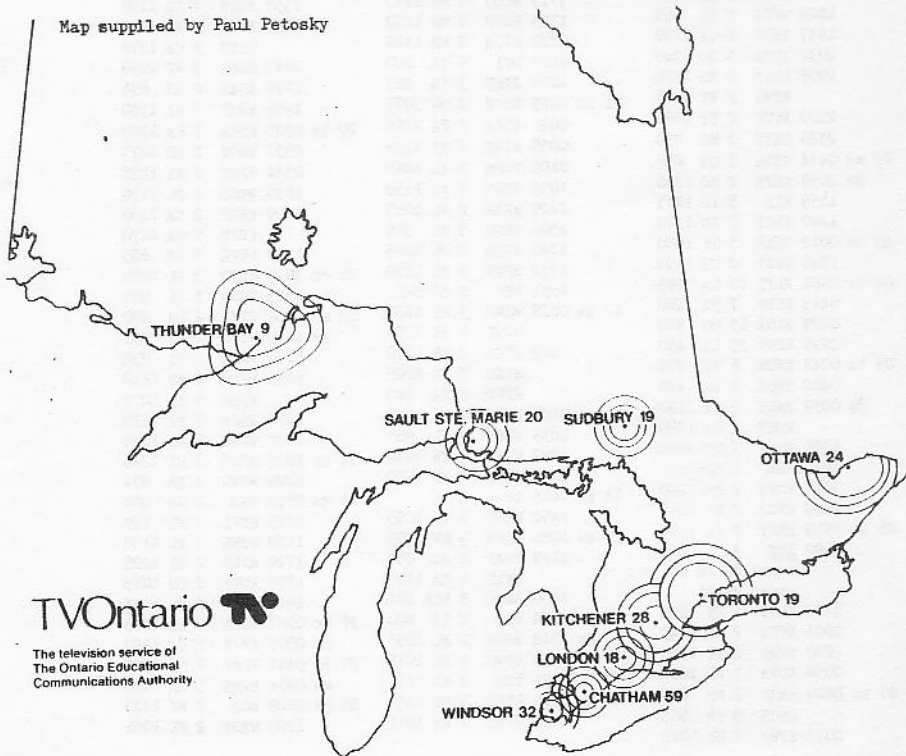
PDT

Receiver: Sony KV-2141 Antenna: Winegard 11-element high band and 10-element low band

July 1978

15 Es 1932	KVOA	4 AZ	1175	15 Es 2000	KNBC	4 CA	875	17 Es 2000	KPHO	5 AZ	1080
1933	KPHO	5 AZ	1080	2020	KTLA	5 CA	875	2016	KVOA	4 AZ	1175
1933	KTVK	3 AZ	1080	2035	KTVS	3 CO	800	2029	KTVK	3 AZ	1080
2000	XHBC	3 BCN	1015	2035	KOA	4 CO	840	2030	KORK	3 NV	780

Map supplied by Paul Petosky



FOR IMMEDIATE RELEASE

WNMU-TV (Channel 13) has joined the nation's first and one of the world's most extensive system for the regular distribution of television programs transmitted nationally via satellite. The satellite dish is located on Northern Michigan University's campus.

The \$39.5 million system, principally provided by and constructed under the supervision of the Corporation for Public Broadcasting (CPB), replaces public television's terrestrial distribution system of programs. The past system allowed for only one program to be transmitted at a time to the local stations. By 1979, the satellite system will link more than 270 public television station in the U.S.

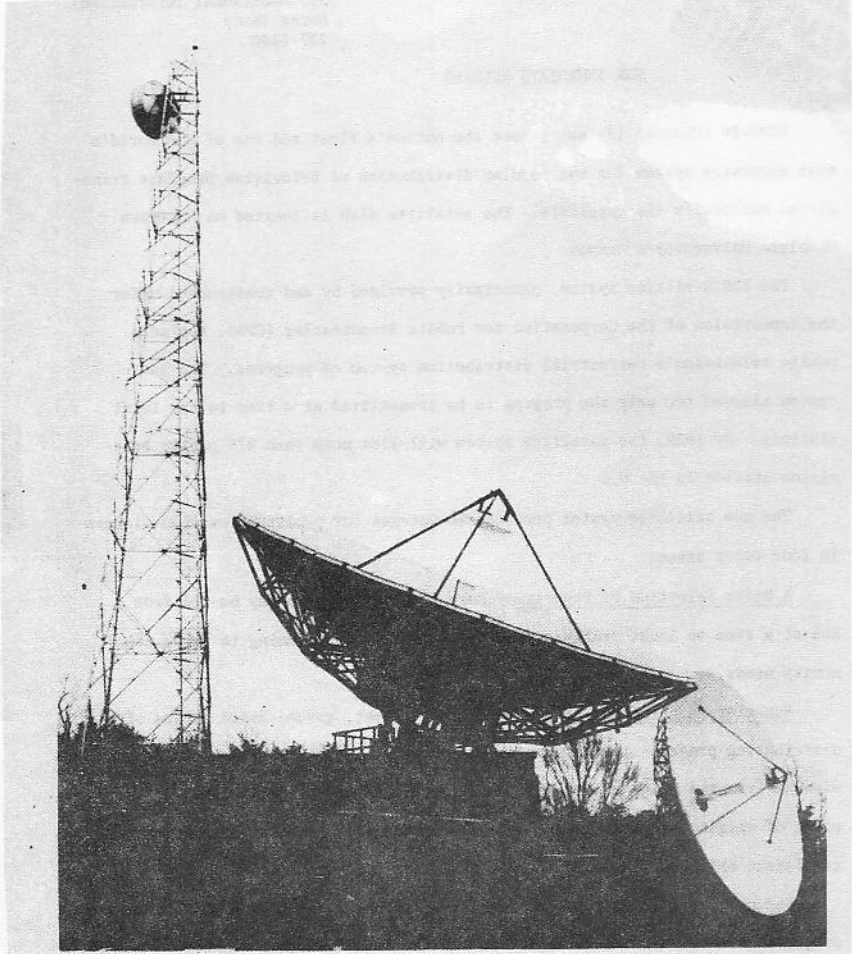
The new satellite system provides advantages for public television viewers in four major areas:

A Wider Selection of Programs - More than one program may be fed from PBS at a time so local stations can "tailor" their programming to serve community needs.

Superior Technical Quality - Under the present, ground-based method of distributing programs to the station, program quality diminishes at locations distant from the point of origin. Under satellite operations, distance from the point of origin is not a factor, so all stations will be receiving programs of consistent excellent quality.

Reduced Costs - The costs of leasing telephone lines from AT&T to transmit programs have been rising in recent years; the satellite interconnection guards against future increases in the cost of distributing programs.

Radio Simulcasts - By 1980, National Public Radio and its more than 200 member stations will also be interconnected by satellite. WNMU-FM will be interconnected sometime in 1979.



The PBS Main Origination Terminal, near the Washington suburb of Springfield, Virginia, is the hub of public television's new satellite system. From here, up to four programs are simultaneously transmitted to Western Union's WESTAR I domestic communications satellite, orbiting 22,300 miles above the earth. WESTAR I then re-transmits the programs to public television stations in the continental U.S., Alaska, Hawaii, Puerto Rico and the Virgin Islands.

PBS

ACTION LINE

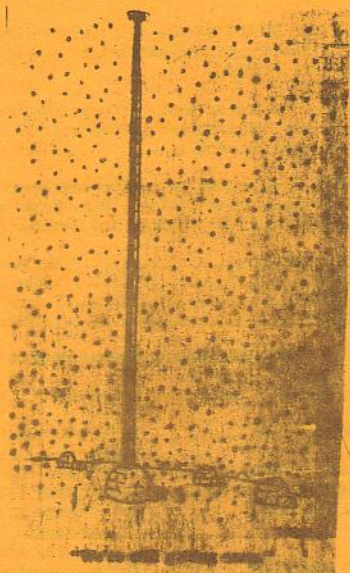
I didn't feel like going to sleep the other night at 2:15 a.m. when the television station I was watching went off the air. So I started flipping channels. It was a surprise when I turned to Channel 2 and picked up a very faint signal. It was a news program in some distant place. I watched until the station identified itself and, sure enough, it was KREM-Channel 2 in Spokane, Wash. How could that happen? — Robert Foley

...AND IF CONDITIONS ARE RIGHT, FAIRBANKS SAYS HELLO TO A FEW NIGHTOWLS IN MIAMI...



It was that great mirror in the sky, the ionosphere. Television signals are usually too high in frequency to be reflected by the ionosphere, an atmospheric layer about 60 miles above the surface of the earth. Lower frequency AM radio signals often are bounced long distances during nighttime hours, but TV signals usually pass through the ionosphere and head out to space. When conditions are right, the ionosphere becomes so electrically charged that it reflects television signals thousands of miles, sometimes with greater power than local stations. You can expect this phenomenon to increase during the next few years because of the earth's position in the 11-year sunspot cycle, said Ralph Haller, a Federal Communications Commission engineer.

From 7-24 Miami Herald. Submitted by Ken Simon



From 4-20-77 Wall Street Journal

FROM THE EDITOR

As can be seen no technical articles appear in this issue. Response to my plea in the July issue has almost been completely nil. Since I became editor not near enough technical material has been received to meet our 10% rule.

A good deal of non-technical has been received and I appreciate the support in this area. But WTFDA has many technically minded people and if only a few would take time to do even a small article we would have a running chance at meeting the 10% quota.

I believe I can not continue as editor without support in the technical area and unless the situation improves in the next few months I will resign.

Frank Aider
Editor-in-Chief



Post Office Box 202 - Whiting, Indiana 46394
WORLDWIDE TV-FM DX ASSOCIATION

**TOUGH
TO BEAT!**

Established 1967

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