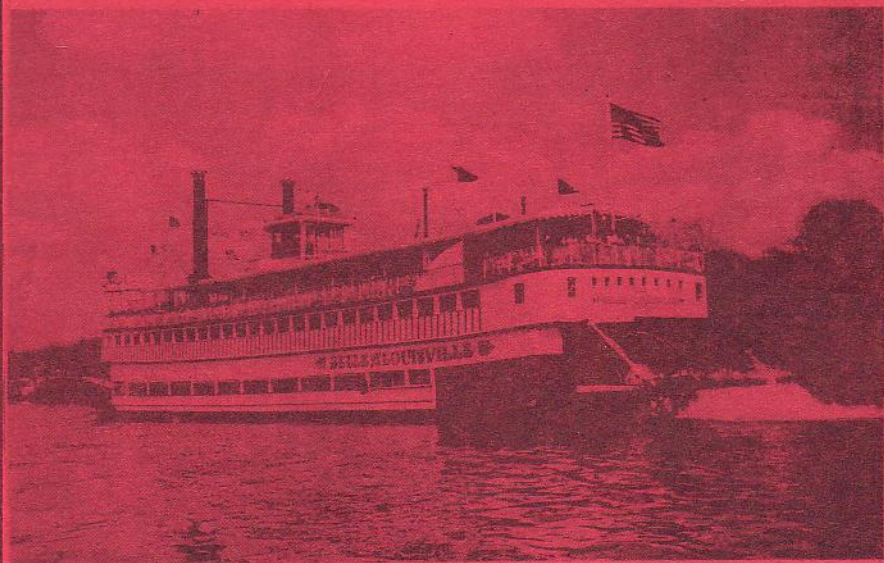
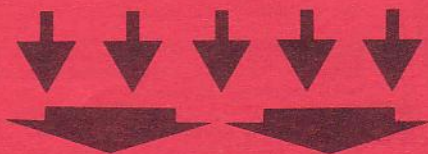


**YLF-YLF
DIGEST**
the official publication of the Worldwide TV-FM DX Association

JULY 1978

THIS MONTH



CONVENTION 1978

From The Staff :

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

CONVENTION 1978...If you have not yet filled out your convention registration form do it NOW! WTFDA's 10th Convention is only a few weeks away. Will we see YOU THERE?

IRCA CONVENTION...IRCA's 1978 Convention in Portland welcomes all WTFDA members. If you plan to be there write Bill Elock at 9307 SE Clay St. Portland OR 97216. IRCA's Convention will be held August 11, 12 and 13.

NORTHERN FM-DX...It appears slow mail service has struck again as NFM did not arrive in time for this issue. Next month should see the return of the column PC willing.

FACTS AND FIGURES OF TROPO...Robert Goodman reports he is still researching material for the second installment and hopes to have it ready for the next couple of issues.

FCC TV...New editor is John Combs. John's first column will appear next month. Send John your TV news to him at 2485 Ivan Court, Orlando FL 32807.

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WE WANT YOU

As seen in the last few issues the WUD has been running short of technical articles. We would like to continue with our 10% rule on technical material but someone must write the articles and technical writers are now scarce. If you have any material of technical nature related to TV/FM or PSB DX write Frank Aden, Jr. Your support is needed now!



MAILBOX

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

New Members:

| | | |
|-----------------|--------------------------|-----------------------|
| Phil Bytheway | 9722 Mary Ave. N.W. | Seattle, WA 98117 |
| John Griffiths | 80 Seneca Drive | Ancaster, ON L9G 3B8 |
| Jim Jennings | 4634 W. 79th St. | Chicago, IL 60652 |
| Gary Lovegren | 1255 Charles Ave. W. | St. Paul, MN 55104 |
| Peter Luellen | Route 3, Windinghill Rd. | Bellaire, OH 43906 |
| Nathan McAbee | 11007 Walker St. | Grand Blanc, MI 48439 |
| Bill Phillipson | 18954 Pendergast Ave. | Cupertino, CA 95014 |
| John Reed | 848 Riverdell Court | Louisville, KY 40206 |
| Dan Samer | 3501 7th St. | Bay City, TX 77414 |

Renewals:

Richard N. Allen, John Combs, Gordon Draeseke, Roger Gravelle, Warren Greenberg, Jim Hopkins, Leonard Jozwiak, Rolland Lindblade, Joe Markewicz, Charles Mylod, John S. Phillips, Royal Randall, Terry Robinson, Ken Simon, Kevin Slater, William Smith, Steve Sprachman, Martin Theil, Lee Vulgamott, John Winslow.

Rejoins:

William Bens-948 Imperial Point-Manchester, MO 63011
Bill Coleman, Jr.-114 Circle Drive-Rocky Mount, NC 27801
Robert Curtis-17 Cobbleview Drive-Colchester, VT 05446
Mark Lewis-701 345 Waverly St.-Ottawa, ON K2P 0W4
Joseph Longmoore-812½ Stanley St.-Windsor, ON N8X 3B6
Morton Meehan-7682 North Star Ave.-Twentynine Palms, CA 92277
Dr. James Snow-Box 746-Darien, GA 31305

Address Changes:

Joseph Smith, Jr.-RD #2, Box 157 93-Conklin, NY 13748
Peter Taylor-2614 Jackson St.-San Francisco, CA 94115

Renewals Due in August:

Alex Berman, Charles Boehnke, Walter Chmara, Roosevelt Crawford, John Dyer, Al Ellis, Richard C. Evans, Doug Everitt, Joe Fela, Paul Gaines, Steven Grimm, Paul Hake, E. Peete Hardison, Jr., Robert Langridge, Jr., Albert S. Lobel, J.O. Mallinson, Chuck Michaelis, Ron Murray, David Nordmann, John Parrilo, Paul Petosky, Jari Pitkanen, Don Ruland, Mark Saran, Winston Smith, John Topel, Michael Virtue, David Walcutt, Barry Wallner, Paul and Dave Wardell, Jim White, John Wierhasz, David M. Williams, Steven Wiseblood, Henry Zikuda.

It's always good to see an old friend like PHIL BYTHEWAY join the club! Phil is the former publisher for IRCA, and now handles that club's Goodie Factory (reprints, Foreign Logs, etc.). He's a 25 year old design engineer who was persuaded by member Bill Block to join WTFDA.

New member JIM JENNINGS also belongs to NASWA. His DX gear includes a Panasonic RF2200 receiver and a Realistic PRO-2001 programmable scanner.

From the Twin Cities comes GARY LOVEGREN. Gary is a 27 year old printer who also belongs to NRC and NNRC.

Thanks to a recent mailing to IRCA/NRC members, we now have DOUG MCABEE in the club. Doug also belongs to the National Radio Club.

BILL PHILLIPSON should be very interested in our part of the DX hobby. He's an electronics technician. His DX gear includes a Realistic PRO-7B scanner, and his interests include BCB, SW, and PSB.

Tidbits.....

Hope to see many of you at our club convention in Louisville. If you can't attend, try to be at either NRC's or IRCA's. The NRC convention will be held September 1-4 in Atlanta. For more info, write to Karl Jeter, 2816 Frontier Trail NE, Atlanta, GA 30341. IRCA's convention is slated for Portland, site of last year's WTFDA convention. For further information, write Bill Block, 9307 S.E. Clay St., Portland, OR 97216. Both conventions promise to be exciting affairs run by very capable hosts. In addition, as mentioned in May, the ANARC convention is July 14-16 in Montreal. It'll be hosted by Ian McParland of Radio Canada International.

Ron LeBlanc is looking for two riders to help him share expenses to the Louisville convention. Ron says he's looking for someone in the Alabama, Louisiana, or Mississippi area to join him, and mentions that he has a 9'x12' tent and 4 army cots to camp out on the way there and back. There's no problem with time as far as Ron is concerned, as he can take all the days off from work he wants to. Ron's address is 4052 LeMans Drive, Marrero, LA 70072. His phone number is (504) 340-4294.

These words in from Steven Sprachman (3939 Eve Drive, Seaford, NY 11783): "So much has been happening since the last time I wrote to renew my membership. First off, next semester I'll be doing my DXing (and studying) at McGill University in Montreal. I hope that the DXing is better there than in Plattsburgh. You should tell Greg Monti that I'm a big listener to WGBB. It's unfortunate that he's only on a few hours a week. My radio career ended with this semester. I'm not quite sure that I'll ever get on the radio again. One of these days, you may catch me on WPLT-91.1 Plattsburgh, if I ever go down there to visit. I would like to put forth this offer for anyone who needs a schedule from New York City and the vicinity. You can write me and ask me for one (the free kind, that is). Instead of return postage, please send me a schedule from your area. The stations listed are 2, 4, 5, 7, 9, 11, 13, 41- NYC and 3, 8- CT. These schedules are not too descriptive, but for most people's needs, it's OK. The offer stands till September first, and as long as they are available in the local supermarket. May this DX season be the best."

My apologies to Paul Krueger for incorrectly listing his address. Paul's correct address is 309 Charles St., Westfield, WI 53964 (WI not MI).

Here's some very interesting comments from Charles Mylod (P.O. Box 523, Charlottesville, VA 22902): "I feel somewhat ashamed about not sending you any DX reports, but I hope to be able to send some in for this summer's DX season. I'm planning on purchasing a house with enough land to set up an antenna farm, including two or so towers on which I could mount VHF/UHF/microwave antennas--and NO nearby high tension wires, radio and TV stations, radar stations, cheap imported junky TVs (which radiate their IFs 15.7 kc harmonic buzz, and even rebroadcast whatever station they're tuned to up to several harmonics and jam up any radios and TVs in a radius of up to a mile), CBers with 10kw linears, and leaky cable TV wires. In the last year I've added a Bearcat BC210 scanner and a CEI-901-5 receiver to my collection of DX machines. The CEI-901-5 is a tunable VHF receiver which was made by Watkins-Johnson for the CIA and other government intelligence agencies. This is not one of those "radar detectors" that have been gathering dust and spider webs in the basements of surplus stores, but a very sensitive and selective receiver. The CEI-901-5 covers 30-300mc with two separate front ends (30-60 & 60-300mc), switching between FM, AM and CW with a tunable BFO, 20, 30 and 300kc selectivity, and other features that are missing from most other receivers that attempt to cover that frequency range. Although I don't think I'll use it as a hi-fi tuner, it sure does an excellent job on FM DXing. I would especially recommend this type of receiver for separate TV audio reception. It does a good job in separating TV audio offsets. I'm surprised that I haven't heard of any other WTFDA members using Watkins-Johnson/CEI or similar receivers, since a receiver like this could solve a lot of the trouble involved in trying to tune in weak, snowy DX video without losing or distorting the audio. I would be interested in seeing articles in VHF-UHF Digest on television receivers suitable for TV DXing, including those with video monitor inputs and outputs (for use with VTRs and separate tuners), and TV demodulators such as those put out by Conrac and Setchell-Carlson. I'd also like to see more articles on VTRs and VCRs. I would be interested in getting a used reel-to-reel VTR or 3/4" VCR in the next year or two, but am confused by the various different formats. I would stay clear of any "home" VCRs, since those are designed for use by the general public (who are assumed to be functional illiterates) and therefore have lots of unnecessary features and undefeatable automatic circuits."

Good to have Bill Coleman rejoin the club. Bill writes that his DX equipment includes a Panasonic RF 2200 receiver and Technics by Panasonic, an FM/AM stereo amplifier receiver.

Hank Holbrook is obviously a Bruce Elving fan: "My favorite columns would be VHF Utility DX, Southern FM, and the column of real value, the one that brings me new stations has to be Elving's FCC FM News!!!! Without that and his FM Atlas, I'd be lost!!!!!!"

Member Mike Worst is finally settled down: "Having temporary addresses for two months has kept everything pretty well stirred up. It's a real relief getting settled in a permanent place. Vidor is a small town, seven miles east of Beaumont, which is where I work for the phone company." Mike's new address is 425 Archie, #18-Vidor, TX 77662. Mike is the former editor-in-chief for IRCA, and lived previously in the Seattle area.

From the land down under, we have these words of wisdom from Terry Robinson: "There's been quite a lot of DX around lately. In fact, right up to the moment there's almost continuous DX available on TV. Now only if I could turn my aerial around in different directions! This is not possible at the moment, however, due to a siezed rotator. I wonder if my rotator failing after 10 months is some kind of record. Probably caused by the terrible storms up here (not helped by being about 561 metres above sea level, either). Still hope to have the system back in operating condition one day. Your club bulletin continues to get better and better and I enjoy it more all the time. Your stories of pirate TV stations are interesting. No one would ever dare try anything like that in Australia! FM broadcasting will become more exciting in Australia in the future. At present there are three FM stations in Melbourne (70 kilometres away from where I live). The most recent one broadcasts about 20 hours a day and is an educational station located at the Royal Melbourne Institute of Technology. It uses a frequency of 102.7 MHz and broadcasts mainly hard rock programs in stereo. I also understand that operators of B class radio stations in Australia are trying to get on the FM band. At least one has announced that they are ready to go in stereo two weeks after a license has been granted. Would be interesting if the Australian government got off its backside and started really looking at the FM band rather than trying to run an English style of broadcasting service. TV could be in for some surprises soon, too. I understand that the government that was elected in Australia last year promised ethnic TV stations in Melbourne and Sydney. Because of the scarcity of TV channels in the VHF spectrum, they might have to go to UHF. More later. Your recent story on videotape recorders was interesting. The giant Philips-TMC group has been advertising their VCR that records for about 3 hours recently. Price is around the \$1,000 mark, so think I'll hold off for a while. I have seen quite a lot of programs reproduced from VCR's lately (I am an electronics student at the Royal Melbourne Institute of Technology) and I think VCR's have a great future in front of them. Don't laugh, but maybe one day I'll be repairing them. Your tenth anniversary issue of the bulletin was quite superb. I liked your article "DX'ing Frustrations". The "Strangest DX" article was recently picked up by Roger Bunney in English 'Television'. As far as I can remember tho, he got some of his dates wrong. The articles on FM in the car were very interesting. We have a new car here and would you believe the aerial is inscribed on the back window! Seems to work reasonably well, tho. Apart from somewhat pronounced multipath distortion, it is generally good. Don't know why Toyota couldn't have followed Honda's lead and put the radio aerial on the right hand side (driver's side) A-pillar. Seems to be about the best position there. The old Toyota Celica liftback had the aerial in the pillar, so don't know why the new one didn't follow suit. I was interested in the article "In Britain...." in the February 1978 bulletin. We have a similar system operating here in Australia. It is called the now generally accepted term "Teletext". Last year at the RMIT open day I saw a demonstration on Teletext and it was really good. The colours were sharp and vivid, certainly the PAL colour system was giving off its best. Surprisingly, a very clear picture is not required. The TV station carrying the Teletext was being received only fairly with an indoor aerial, yet the Teletext didn't suffer at all. I understand that the Teletext signal is received either very well or not at all. Recently, the English magazine 'Television' carried an extensive series of articles on construction of a Teletext decoder. I will construct a decoder if and when 'Electronics Australia' features one. Until then, I can only roll the frame down, look at the squiggly lines, and hope."

Member Bob Steadman adds these words: "I was much impressed by VHF-UHF Digest, especially the anniversary issue. I've done little FM DXing and know little about it. At least now I've got a start. The SCA has really got me interested. There's nothing like something you're not supposed to do to make me want to do it."

Joe Longmoore is back in WTFDA! He has a few brief comments: "I'm getting back into the organization. I've let things slide, but the spring season and news of sunspot activity has got me thinking again. I'm strictly into UHF TV really, but I hope to set up for lowband VHF within the month. I've got a 15' Sony color TV, a 7' Finco dish at 40' with a 30db Delhi preamp. With lots of local stations, I've got problems with images and overload all over the dial. Would appreciate any suggestions."

Of course, not all comments received at HQ are completely complimentary to the club. Following a recent mailing to former members, we received comments from Michael Schoenfuss, now of Wausau WI. Michael told us he'd like to see more articles on localized scanner radio and lower club dues. (WTFDA is still a DX club with almost the lowest dues among ANARC member clubs-jz). He writes, "I just didn't feel I could afford to pay \$11 for only limited articles on scanner radio. Also, the annual convention was always someplace way far out, and I couldn't afford it."

Speaking of conventions.....see y'all in Louisville!.....jz

FCC FM NEWS

New Stations Granted

ME Machias 93.3 3000 h,v; 220'; n
 MA Brockton 10 watts. Community College
 MN Babbitt W269AB *1, r, 10 watts 101.7, 1
 [WAKX-FM 98.9 Duluth Mn translator]
 MN St. Paul *91.7 10; Macalester College
 MO Trenton KTIN-FM 92.1 1750 h,v; 380'
 NY Olean 100.9 1450 h,v; 405'; k
 SD Mitchell 107.3 100000 h,v; 450' KORN
 VA Harrisonburg 104.3 6620; 360'
 WA Richland 94.9 100000 h,v; 1250'; rock
 BC Karloops 97.5 4300; n.

On Air and DX Ready (presumed)

IL Glen Ellyn WGBG *90.9, \$; rj; 5000 h,v; 300'
 300' share time with WEPS Elgin IL (WGBG
 signs off 9 am; on again 3 pm weekdays)
 KY Falmouth WNKR 95.3 r, \$; 3000 h,v; 300'
 MA Marshfield WATD 95.9 \$; r; 3000 h,v;
 245'; talking book SCA
 MI Alpena WCMJ-FM *91.7 100000 h,v; 1170';
 \$, cj, UP, dual id. with WCMU *89.5 in
 Mount Pleasant MI; i.d. on hour only.

On air with Changes (selected)

KY Versailles WJMM on 106.3 (from 100.9)
 still mono g; 3000 h,v; 300'
 MI Berrien Springs WAUS on *90.7 (from
 90.9), 48000 h,v; 320'; "Stereo 91."

Call Letters

AL Tuskegee 95.9 WBIL-FM (was WVNS)
 CA Thousand Oaks *91.1 KCPB, F
 CO Yuma 100.9 KCOJ
 CT Middlefield *90.5 WEDH-FM; P
 MI Detroit 95.5 WCYZ "Cozy" (WJDM); m,
 presumably not mc as before.
 MN Owatonna *90.5 KRPC
 MS Batesville 95.9 WUUN (WBLE-FM)
 MS Collins 101.7 WKXZ
 MT Lewistown 95.9 KLCM (from KLCM-FM)
 NY Fredonia *88.9 WCVF (from WJQL)
 NY Oneonta 103.1 WIEZ (from WONT) [SCA.
 OH Canton 106.9 WOOB (WHLQ); *FM-107, "no/
 OH Columbus 92.3 WXGT (WCOL-FM); r (from
 OH); *92-X."
 OR Ashland 101.7 KKIC

TX Nacogdoches 92.1 KTBC (KSFA-FM)

Activities AT Edmonton CKO-FM6 from
 105.9 to 101.3, 100 ka h,v.
 IL Chicago WFYR 103.5 confirmed on Sears
 Tower; 3000 h,v; 1550'; m
 KS Hutchinson KHCC *90.1 100000 h,v; 1080'
 and to be Stereo; not to be exclusively r.
 MN Silver Bay W260AA 103.9 (from K296AB
 107.1); 10-watt, r, WAKX-FM 98.9 Duluth
 translator; l; on air on 103.9. [290'
 WA Spokane KICN 98.9 100000 h, 33000v; /
 ON Sudbury CBCS from 97.1 to 94.9
 SA Saskatoon new CBC-FM station to be
 on 105.5, not 104.7.

SCA (67 kHz) Activities

[book
 CA Long Beach KLOM *88.1 adds talking /
 ME Brunswick WAKA-FM 98.9 ABC networks,
 including WPLJ 95.5 New York between
 news feeds—not just music as before.
 ME Portland WPOR-FM 101.9 music
 MA Springfield WAQY 102.1 music
 NH Manchester WGIR-FM 101.1 tn (WGIR AM

at times). PA Lancaster WNCE 101.3 music
 OH Lima WIMA-FM 102.1 music
 OH Toledo WOTE-FM *91.3 talking book
 WI Milwaukee WYMS *88.9 talk
Deletion
 TN Jackson 103.1; returns to application
 file.

Formats/Networks

AL Mobile WHIL *91.3 PE
 AL Troy WTSU *90.1 P
 AK Juneau KTOO *104.3 and K276AF *103.1
 Mendenhall Valley, both P
 AK Kodiak KMXT *100.1 P
 CA Chico KFMM 93.7 rp
 CA Mission Viejo KSBR *88.5 (type source
 said "90.7—which?) P
 CA Sacramento KERS *90.7 P
 CA San Luis Obispo KCBX *90.1 P
 CO Boulder KGNU *88.5 P
 CO Breckenridge KLGJ 102.3 rp
 CO Fort Collins KCSU *90.9 P
 CT Hartford WCCC-FM 105.9 rp
 CT New Haven WPLR 99.1 rp
 CT Waterbury WIOF 104.1 m (from k)
 FL Green Cove Springs WKUE 92.7 rs [rp]
 IL Arlington Heights WMMH 92.7 m (not/
 IN Fort Wayne WCRX 101.7 r, "X-FM" ("s)
 WKXE 103.9 rp, "XKE-104."
 IN Richmond WECI *91.5 monaural r (not c)
 IA Council Bluffs KQKQ 98.5 rp
 IA Sioux City KWIIT *90.3 P
 IA Shreveport KMBG 93.7 rp (from m)
 MD Takoma Park WGTG *91.9 no P
 MI Bay City WJHN 96.1 rp
 MI Boyne City WCLX 93.5 l
 MI Detroit WOTR *90.9 cj
 MI Fremont WSHN-FM 100.1 kg

W.S.H.N

FM
 STEREO
 100.1

P.O. BOX 280
 FREMONT, MICH. 49412
 PHONE — 416-924-4700

MI Saginaw WIOG 106.3 rp (from m)
 MI Ypsilanti WNU *89.1 PU
 MN International Falls KICC *91.5 rp
 MN



100.1
 Pequot Lakes KTIG is "noncommercial"
 MO Jefferson City KLUM *88.9 no P
 MO Liberty KF1X-FM 106.5 N
 MO Springfield KTXR 101.5 N (was E)
 MT Great Falls KAAK 98.9 A
 NE Omaha KVNO *90.7 P
 NM Albuquerque KUNM *90.1 PU
 KIPC *91.5 no P
 NY Buffalo WBUF 92.9 r (from p); "B-93"
 WNED-FM *94.5 P, to be \$ soon
 WUOL-FM 104.1 mk
 NC Ahsokkie WRCS-FM 99.3 r (not k)
 NC Asheboro WCSE 92.3 k (not mk)

NC Asheville WEMU *91.3 no P; Z only
 NC Bies Creek WCCE *90.1 rc
 NC Durham WDCG 105.1 r (not k)
 NC Greensboro WUAG *89.9 pc, \$; WQFS *90.7
 pj; WQMG 97.1 rm; WRCK 98.7 rs
 NC Hickory WKHY-FM 102.9 sr
 NC Kinston WKNC *90.5 rp
 NC Plymouth 95.9 to be k
 NC Raleigh WKNC *88.1 pc
 NC Salisbury WRDX 106.5 r (not k)
 NC Sanford WDCG *89.5 pr
 NC Thomasville WENC-FM 98.3 r (from rm)
 NC Whiteville WTNC-FM 99.1 k (not rk)
 NC Williamston WSEC 103.7 m
 NC Winston-Salem WFDD *88.5 cp
 OH Celina WKXJ 94.3 k (was rm); "K-94."
 OH Columbus WVKO-FM 94.7 js
 OH Findlay WLFC *88.3 j, monaural
 OH Westerville WBBY 103.9 j (from r); \$,
 "Wild Bill Yates" station; station said to
 have been taken over by son because of
 alleged erratic behavior by owner-father,
 who is known to dance atop his van wearing
 shorts, promoting WBBY at shopping centers.
 A native of Columbus told me this, who said
 W.B. Yates then went over and engaged in an
 intelligent conversation with her at a
 drive-in restaurant. He must be perfectly
 sane, but a bit erratic (or eccentric)!

OK Tulsa WGTG *89.5 P
 OR Bend KICE 100.7 m (from rm)
 TN Nashville WKQB 105.9 r (not mr); "KQB."
 TX Columbus KULM 98.3 m (from k)
 TX Houston KPPT *90.1 P, but not known if
 it carries any NPR programming, or only uses
 CPB and NPR for funds' support
 TX Kilgore KTX 95.9 r, "95-X."
 TX Killteen KIXS-FM 93.3 r (from rk)
 TX Lubbock KLLI-FM 96.3 N
 TX Odessa KOYL-FM 97.9 k (not rk)
 TX Stephenville KWNH 98.3 m
 VT Windsor WVPR *89.5 P
 WA Seattle KVI-FM 101.5 Y
 WV Beckley WBAW 99.5 C, Muzak on SCA, xtr in
 NY Laramie KUNR *91.9 P / Flat Top WV.

Stereo

FL Orlando WFTU *89.9 r, "Stereo 90," but
 could our FL reporter be hearing also
 WJXT-FM Jacksonville and confused nonIDs?
 IL Downers Grove WDCG *88.3
 IN Fort Wayne WIFU *89.1; heard testino
 KY Richmond WBFZ 101.7, r
 NJ New Brunswick WMGQ 98.3, rm
 OH Athens WOUR-FM *91.3
 OH Belleaire WOMP-FM 100.5 "Whomp, FM-100."
 OH New Philadelphia WNPQ 95.9, stereo re-
 issued after replacement of faulty equipment.
 TX Alice KXMS 91.1
 TX Orange KZOM 104.5 (calls incorrectly
 given last month as KZMR).
 No stereo: [Atlas, under 88.9]
 OH Wilberforce WCSU *88.9 (not WXSU as in
 Non-IDs

*88.3 WAIF Cincinnati OH-Waif
 *91.1 WGTD Kenosha WI FM-91
 92.1 WBQY Hendersonville TN 92-Q [93
 92.7 (to go to 93.5) WKUS Lafayette IN; Rock/
 93.3 WKWZ Peoria IL KZ-93 (not WKSW as in
 Atlas under 93.3)
 95.3 WOTE Adrian MI FM-95 and Cutie
 95.3 WAOR Niles MI 95-FM

NonIDs, Continued: 95.5 WSM-FM Nashville TN: SM-95; 96.1 WSTO Owensboro KY: FM-96; 96.7 WAOV-FM Vincennes IN: FM-96-7 (stereo resumed?); 97.3 WMEF Fort Wayne IN FM-97; 97.7 WOXY Oxford OH Y-97; 97.7 KWHP Edmond OK FM-97; 99.9 WKRG-FM Mobile AL 6-100 (not stereo-100); 101.7 WMLS-FM Lansing MI 101-FM; 102.1 WDNL Danville IL D-102 (not Concept-102 any more); 102.3 WSAL-FM Logansport IN: stereo-102; 102.7 WPPR Terre Haute IN Rock-103; 103.1 WSTM St. Matthews KY: Stereo-103 (no more Disco-103); 103.9 WOSH Oshkosh WI FM-104; 104.1 WLCB-FM Muncie IN 104-FM; 106.3 WNDY Crawfordsville IN: Windy.

Abbreviations used this column: c classical music, g gospel, j jazz, k country, m is middle of the road or easy listening, s soul. Networks: A ABC-FM, C CBS, E ABC Entertainment, I ABC Information, M Mutual, N NBC, P National Public Radio, S Associated Press Audio, U United Press Audio, Y ABC Contemporary, Z Mutual Black Network.

Members' Reports

The Duluth News-Tribune came through with a nice article, "'Subcarriers: A Controversy in FM," written by George D. Johnson of the paper's staff, and a ham. In it he quotes Harold Allen of the St. Paul MN office of the Federal Communications Commission when asked what would happen to a person who started manufacturing subcarrier adapters and advertising them for sale. "He said nothing would happen, as long as the adapters were free of spurious radiations on frequencies above 30 megahertz." I am quoted as "waging a battle to bring the subcarrier transmissions out into the open." George describes building an SCA adapter using my schematic and the 565 IC circuit, and said it took him one evening, but hooking it up to a portable radio took most of the next day, so it is no easy task to connect SCA in a radio. The article appeared in the Sunday, June 11 paper. "Elving Science" is on the way to making SCA easier to hookup for anybody. In R&D is a project to sniff out the SCA signal in portable radios, making use of the earphone jack. A prototype unit has been built, complete with audio amplifier and speaker, and a few should be available for WTFDAers at the convention. Price will be about \$25. Ken Simon says KPFT *90.1 Houston says they will be going to 100 kw with a 1500' tower in two years. WHRS *90.7 Boynton Beach FL is facing funding problems and may lose school board backing. Ken is looking for a used AR-15 (Heath, I believe) receiver for \$100 or less; contact him at 528 Pilgrim, West Palm Beach FL 33405.

John Timm reports WZUU-FM 95.7 Milwaukee, after losing their main tower, is now at about 120' with a single bay antenna, giving about 18 kw ERP. WMIL 106.1 Waukesha still silent. New owners looking for a tower site in or near Milwaukee for better coverage; stereo to be added.

Rod O'Connor took the scenic route by ship and stopped into KRBD Ketchikan AK. Their antenna is about 200' atop a hotel. "R is a nice little station, with a varied format (cpm and j). They are hoping, with their power boost application for 7300 w to 'squeak' into Prince Rupert, BC." The KFSK Petersburg AK tower was atop a school or municipal building on a 50-foot tower. KMXT Kodiak is about 260' high, but mountains east of town probably bring their HAAT down to 3 feet. About the Atlas. "I think adding interstate highways to the maps would be a good idea, but I would imagine it would involve re-tracing a lot of maps, and I doubt you would be very enthusiastic about it. The maps, as they are, are quite good. It amazes me how you manage to fit in some of the stations in the larger cities (NY for example)."; Rick Samford says on p. 28 of the Atlas (map) I show KOGM 107.1 Opelousas LA as KSLO. WUOL *90.5 in the convention city of Louisville now on until 12:30-1 a.m. most days. Brad Carey, chief engineer, verifies, according to Ted Fleischaker.

WBLK 93.7 DePew (Buffalo) now in its 14th year, according to an article sent by Bill Thompson, and unusually successful with a format (soul) that critics said would never work. "WBLK takes pride in its community involvement with projects like public affairs programming, a telephone talk show known as 'Express Yourself' and Sunday gospel and religious programming." P-rock fans are trying to win WWOL -FM 104.1 to that kind of music, but the station is shifting more to m, now mk. The movie FM opened and closed very quickly in Buffalo; perhaps the movie will be on network TV for those of us who missed it, Bill muses. Finally he says "The new FM Atlas is the easiest one to use yet. The logos do breakup the monotony of using the by-frequency listings. . ."

In Italy the RF pollution worsens, reports Antonio Randaccio. He says if you listen to any FM station in your car in Rome and drive around the AFC will keep your receiver changing to different stations every two miles because of the crowded band conditions. He's experimented with traps with no success. But the bootleg stations are all vertically polarized, while the legit. stations are h, so there may be some opportunity to use polarization as an advantage. He sent pictures of his own antennas, going from 75 mHz to 16 GHz, at a height of 17 meters.

Pittsburgh's Walt Kowalczyk, an engineer at *96-KX, says he's glad I am publicizing SCA. "I've often thought of getting in touch with the local newspaper radio/TV editors to maybe have them do an article on SCA and what is available on SCA." With my success and Ted Fleischaker's success in Louisville in getting such articles published locally, this may be an idea for other WTFDAers who have enjoyed SCA listening and who live in areas having large-circulation daily papers.

On the 95.9 listing in the Atlas it should be Lewistown Mt, not Lewiston; under FMakings: the correct spelling of the Idaho town is Coeur d'Alene, points out Ralph Strobel, who says Coeur d'Alene is his home town. On 93.3 it should be WKZW, "KZ-93," not WKSX Peoria IL.

WTLR #89.9 State College PA announces they are on from 5:55 am weekdays (11:55 am Sundays), with sign-off not indicated. Gospel music. Lawyers and listeners representing WXPN Philadelphia argued before the FCC to allow WXPN and the U. of PA to keep its license. The station license renewal is in doubt on a variety of charges; the FCC's decision is not expected for another two months.

WAKX-FM Duluth argues quite astutely in comments before the FCC to allow FM translators to continue operating outside the 1 mV/meter primary area of FM stations, taking issue with the National Assn. of Broadcasters. WAKX-FM says the public thus better served, that big-city stations do not monopolize the audience and advertising of smaller-city FM stations, and translators help to minimize the coverage inequalities between regional AM stations and FM. All of which points are, I believe, well-taken.

WDCG 105.1, "G-105," Durham is "now a hard-rock station here in Durham," reports David Searls, who designed this logo for WDBS 107.1 there:

Robert Zent said of SCA activity in Indiana: "I was surprised at how few stations in this area have any SCA activity. The quality of the audio varies considerably, from a good, clean FM-like sound from WSMJ 99.5 to the tinny, distorted WMEF 97.3, both of which carry similar music. WMEF's subscribers are really getting ripped off." He finds SCA listening quite interesting, and "it was quite easy to find the take off point within the receiver. One of the test point binding posts comes directly at the output side of the detector."



"The FM107 for WDBS is their slogan only half half-time. Mostly they go by their 'God-given' name. David also did up several FM station guides, one for the local area, describing DXing using a small, hand-rotated yagi mounted on a porch, and a give-away national guide, taking much info from the FM Atlas in so doing.

In Connecticut with WIOF Waterbury abandoning country music, the only such station in the area is WCTY Norwich, "and their power is only 3 kw," says Paul R. Anderson. "WEXT (AM) in W. Hartford was also k, but new owners changed the calls to WMLB and the format to the syndicated Entertainers, I feel this change in many stations to the bland sameness will stop soon as once again stations, to make out, will be forced to vary their programming to be different from others in the market."

Dave Grim says that WWWM 105.7 Cleveland had to install a small, less-efficient antenna atop the WKYC-TV tower to prevent overloading of the tower. WWWM cannot move to a new tower without losing grandfather status at a higher power than most area stations have for their tower height. "If that's true, and it seems to make sense, then how did WNCI 97.9 move almost 10 miles south to downtown Columbus and not lose their grandfather?" Also Dave muses: "Should be interesting to see how things with Sino (Sinus?) Radio turn out. I don't see where they have much to stand on. Hope to see you in Louisville. I plan to bring my portable SCA set up (I took your advice) along." I have heard nothing from Sino since I answered their charge, and hope the matter is at rest permanently. Music Associated of NJ says they have received threats like that through the years and just ignored them. I might say that I installed SCA adapters in two more radios having ceramic filters in the i.f. section of the FM. Both worked fine, which negates what I wrote in my article about not recommending installing SCA in sets having crystal or ceramic filters. I built the "Super Sleuther" or "Super Soother" circuit, in the Fall Winter 1977 Electronics Hobbyist. I found the kit to be overpriced, not easily assembled, and, worst of all, it did not work properly. I did manage to make it work, but not at the 6 to 9 volts claimed, but only at 13.6 volts. Tone quality was not good, and sensitivity only as good as any other basic circuit using the 565 IC. Further, it was only a basic unit, lacking any audio preamplification.

KOAP-FM Portland OR not heard with an SCA, but Frank Aden, Jr., may have been checking at the wrong times. "They have been running some programs for the blind on their regular channel." Member Paul Petosky, Munising MI, has a 60-mile daily commuting trip daily to WJPD-AM-FM(92.3) Ishpeming, where he is an account executive. He sent along a lot of material, including a notice of filing for a translator on 105.5 in Marquette of WMQT 107.1 Ishpeming. He also sent a folder on the tests of AM stereo which were done for the 1977 NAB convention in Washington DC of WKDC-1530 Elmhurst IL. Frank Blotter, president of WKDC, writes: "The stereo for AM will be happening this year if the FCC gets off its duff and it will be a big shot in the arm and then all the dough that will be spent to modify stations should give the economy a boost. . . I see hundreds of millions being spent on station upgrading equipment and programming, plus attorneys and engineers in Washington getting richer from FCC processing of this new service. The chief engineer at WLS in Chicago got bounced by the NY office of ABC for buying all new mono equipment when AM stereo is about to arrive. Inquiries have come to me from all over the world—Japan, England, Sweden, plus visitors from all over the US.

. . . It was very expensive [converting to AM stereo for these tests] but equal in its satisfaction." I applaud this man's enthusiasm for radio experimentation, but feel stereo AM is a charlatan invention, and one that will have a bogus appeal, making attorneys and equipment sellers rich but not helping the public. Contributors: P. Anderson, New Britain CT; F. Aden, Bend OR; A.J. Chamberlain, Hinsdale NY; Mike Dalton, Clearwater FL; W. Dickerman, Winsport PA; T. Flentschaker KY; Jane Glickman, Dept. HCW, Wash, DC; U. Grin, Akron OH; W. Kowalczyk PA; Guy Broger, Sioux City IA; Greg Leo, Lincolnshire IL; Joe Markewicz, Hornell HTS OH; R.J. O'Donnor, Asak AK; Gary Olson, Lake Forest IL; Paul Petosky MI; A. Randaccio, PQ and Italy; R. Samford, Burnet TX, J. Schmidt, Murfreesboro TN, et al. Bruce Elving, Adolph MN 55701, ed.

FCC TV NEWS

Temporarily edited by
Frank Aden, Jr.
1535 NW Ithaca Ave.
Bend OR 97701
503-389-5488
Deadline: 10th

JULY 1978 NEW EDITOR NEXT MONTH!

John Combs is the new editor of FCC TV NEWS. John is highly qualified for the editorship of FCC TV NEWS and has access to all of the broadcast industry magazines. Please give John your support by sending all TV news to him at 2485 Ivan Court, Orlando FL 32807. John's first column will appear next month.

Applications

Santa Ana CA, ch. 40 ERP 2637, AAT 2980,
Saddleback Broadcasting Inc.

Clearwater FL, ch. 22 ERP 4581, AAT 1435,
Bay Broadcasting Corp. for subscription TV.

Louisville KY, ch. 21 ERP 1400, AAT 1002,
World Broadcasting Network.

Grand Rapids MI, ch. 17 ERP 240, AAT 542,
Good News Broadcasting Inc.

Portland OR, ch. 24 ERP 4887, AAT 1739,
Broadcast Associates.

Portland OR, ch. 24 ERP 2178, AAT 1753,
National Subscription TV for Portland Inc.
for subscription TV.

Reading PA, ch. 51 ERP 1824, AAT 1384,
Reading Broadcasting Inc.

Huntington WV, ch. 61 ERP 802, AAT 407,
Tri-State Family TV Inc.

Newark OH, ch. 52 ERP 21.5, AAT 395,
Christian TV of Ohio.

San Antonio TX, ch. 29 ERP 16.99, AAT 1016,
Family TV Inc.

San Antonio TX, ch. 29 ERP 2084, AAT 1474,
Hubbard Broadcasting.

Santa Rosa CA, ch. 50 ERP 989, AAT 2979.9,
Galaxy Broadcasting System.

*Bismark ND, ch. 3 ERP 100, AAT 1393,
Prairie Public TV.

*Minot ND, ch. 6 ERP 100, AAT 1393,
Prairie Public TV.

San Juan PR, ch. 18 ERP 1200, AAT 1150,
Puerto Rico Broadcasting Inc.

Topeka KS UHF application cancelled.

North Pole AK, ch. 4 ERP 18.66, AAT 1619,
Alaska Evangelistic Missionary Fellowship.

Contributor this month Gary Siegel.

applications continued

Aurora IL, ch. 60 ERP 2690, AAT 1460,
Largo Grande TV.

New York City NY, ch. 31 ERP 2300, AAT 1382,
True Witness Ministries.

Tulsa OK, ch. 47 ERP 344, AAT 634, David
Livingstone Missionary Foundation.

Los Angeles CA, ch. 68 ERP 2265, AAT 2284,
Quality Public TV.

Hardin MT, ch. 4 ERP 91.45, AAT 1062,
KOUS TV Inc.

Richmond TX, ch. 45 ERP 1683, AAT ?,
Trinity Broadcasting of Texas.

Call Changes

*WPEH Middlefield CT, application
KSTV Salt Lake City UT, application
KQWT San Jose CA, application
WBTV Cincinnati OH, application
*KWST Cheyenne WY (?OK), application
WHNB New Britain CT (WVIT) application
WTOP Washington requests WDVM
WKOH Owensboro KY, grant
KQCD-TV Dickerson ND, grant
WNOK-TV Columbia SC gets WLTX
KDOG Houston TX gets KRIV-TV
WWJ Detroit requests WDIV

Facilities Changes

WEIQ Mobile AL ERP to 1186

Network Changes

KTVP-29, Fayetteville AR to ABC
KFPW-40, Ft. Smith AR to ABC ex CBS
KIMN-24, Ft. Smith AR to CBS
WRET-36 Charlotte NC to NBC
WSOC-9 Charlotte NC to ABC

New Stations

San Jose CA, ch. 48 ERP 450kw, AAT 2614
West Port VA, ch. 46 dismissed
Boston MA, ch. 25 WXNE-TV

QSL CORNER

Thomas J. Vingling, Jr.
224 Pineood Road
Baltimore, MD 21222
Deadline: 10th

PSR=QSL

- CA KDG-872 33.94 Los Angeles. Los Angeles City Fire Dept. signed by Joseph Pecelunas, Capt. D.C.D. qsl for LA ch. 10 for report of auto fire. Vingling
- DC KGA-611 154.49 Washington, Potomac Bldg, 4th Fl., 614 H. St. NW 20001. prepared card signed by Joe Flunn. Blevins
- IL KCL-754 33.74 Kankakee City Fire Dept, send back prepared card, signed by Richard Guinond, Asst Chief. Vingling
- LA KKD-826 39.50 Gonzales, P. O. Box 1125, 70731. Sheriffs Office, signed prepared card Deputy Robert P. Landru. Blevins
- NE KRZ-994 39.90 Hastings, P. O. Box 63, 68901. Adams County Sheriffs Dept signed prepared card Lt. H. J. Larson. Blevins
- NY KEB-524 154.25 New York, New York City Fire Dept from Manhattan, signed prepared card Edward Singer, P.E. Radio Engineer, FDNV. Vingling
- TX KKD-303 42.90 Austin, Texas Dept of Public Safety, signed prepared card for report of Texas DPS (State Police) John W. Schwerdtfeger with a comment of "The Texas DPS is glad to have been of assistance." Vingling

TV=QSL

- AT CFRN 3 Edmonton, 18520 Stony Plain Rd, TSP 4C2. Letter for a double-hop e-skip from Jack Parent, Promotion & Publicity Asst. reply in 22 days on 2nd try. Traska
- CT WHNB 30 New Britain, 1422 New Britain Ave., West Hartford, CT 06110. QSL card from William A. Cornora, CE in 1 week. Traska
- DC WRC 4 Washington, 4001 Nebraska Ave, NW, 20016. Letter from Allen E. Aebig, reply in 1 week with return postage. Traska
- WJLA 7 Washington, 4461 Connecticut Ave. NW, 20008. Letter from E.S. Teutschbein, Electronic Maintenance Supervisor, reply in 6 days with return postage. Traska
- IL WRAU 19 Peoria, 500 N. Stewart St, Creve Coeur, IL 61611. Coverage map & qsl, signed by Al Turcott, CE in 3 Days! Langridge
- WCFC 38 Chicago, 20 North Wacker Dr, Suite 1345, 60606. Friendly letter from Owen C. Carr, Pres. stated that Iowa was a little bit beyond their expectations, receive reply in 15 days. Langridge
- IN WFFT 55 Fort Wayne, Box 2255, 46804. Letter from Robert W. Faulk, GM in 9 days with with return postage. Traska
- NV KORK 3 Las Vegas, P. O. Box 550, 89101. Letter from Robert C. Hauck for double-hop e-skip logging. Reply in 8 days of 3rd try. Very difficult to QSL; 2 times enclosed with return postage, third time with a SASE. Traska
- ND WDAV 6 Fargo, send plain sheet of paper signed by Gary Rasmussen, position not specified. Mentioned it is the mother station of a five station chain & no list of them enclosed. Aden
- OH WUAB 43 Cleveland, 8443 Day Dr, 44129. Letter from Harry Sykora, CE with no return postage reply in 1 week. Ross
- WTOL 11 Toledo, 604 Jackson St, 43695. Letter from Paul E. Lentz, CE Ross
- WKBN 27 Youngstown, 393D Sunset Blvd. Card from Edwin Mass, Asst. CE Ross
- PA WSEE 35 Erie, 122D Peach St. 16501. Letter from Lisa Heynaski, Exec. Sec'ty, no return postage used. Ross
- WICU 12 Erie, 3514 State St, Box 86D, 16512. Letter from Diane Conley, Acct. Dept with no return postage. Ross
- WOLN 54 Erie, Waterford Pike, 16509. Card unsigned, no Return postage. Ross
- VA WTKK 66 Manassas, 900R Center St., 22110. Signed my report form and underlined words Verification of Reception on WTFDA report form I used. Reply in 1 week from Juan Murriz, no title. Vingling

Reporters are Don Blevins, Essex, MD; Paul Traska, Buffalo, NY; Bob Langridge, Durant, IA; Frank Aden, Bend, OR; Robert S. Ross, London, OMT & Tom Vingling, editor, Baltimore, MD. With this month the PSR QSL's are back and also 2 double-hop tv e-skip reported. If anybody need help in qsl'ing police or fire dept in the PSB DX hobby, write to me or Don Blevins for help. Don & I have been sending reports to police & fire depts since Feb, 1974. Also give a look at Don's new column, In Search of PSR, for more information about PSR dx'ing.

73's Tom

Memorabilia

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

July 1978

MEMORABILIA presents two more great old QSLs of yesteryear, courtesy of Tom Yingling of Baltimore MD:

WREC-3 Memphis TN

(now WREG-3)



I am happy to verify your reception of

WREC-TV, Channel 3 WREC-FM, 102.7 MHz

on July 30, 1977 ³ 7:15 PM EDT



HOTEL SHERATON-PEABODY
MEMPHIS, TENNESSEE 38103



Yingling
To Engineer

TO: *Thomas J. Yingling Jr.*
221 Pinewood Rd
Dundalk, Md
21222

KCPX-4
Salt Lake City UT
(now KTVX 4)



KCPX CHANNEL 4
WINNER OF PROFESSIONAL
JOURNALISMS
HIGHEST AWARD



We are happy you heard . . .

"Super Sound KAY-P9X" in your city

QSL

TV 4
KCPX Radio

1320 KC - - - 5000 WATTS

SALT LAKE CITY, UTAH - U.S.A.

Your Report of July 4, 1970
Verified by at 1:20pm
Garry Horrocks cdt
Chief Engineer

(TITLE)

Yingling Jr.
od Road
Maryland 21222

Well, that's it for this month, guys. Hope the Es DX picks up better pretty soon. 73s, gud DX, *Bob*

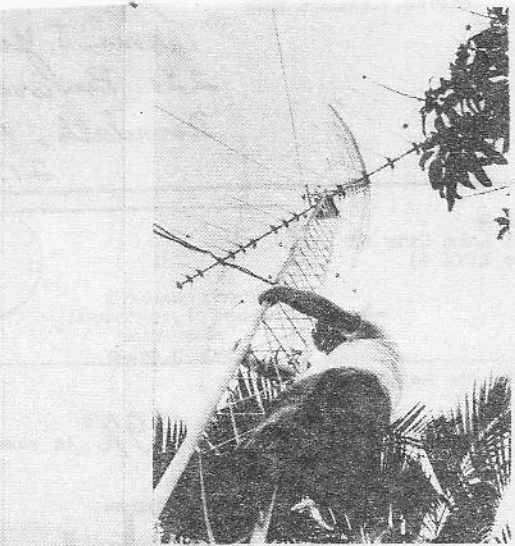
July, 1978

Feature: A visit to South Florida

No, that isn't Napoleon pictured at the upper left. This month, PHOTO-NEWS travels to West Palm Beach, FL for a look at Ken Simon's QTH (photos taken by John Combs, Orlando FL). For those who have never met Ken, that is he, in a 'candid' shot. (And for those who have never met John Combs, don't be surprised if he and his camera appear from out of nowhere, and photograph you. On my last visit to John's place, 'candid' photos were taken of your editor doing such things as eating cereal at breakfast, hi!-jja) At the upper right is a photo of Ken climbing his 40' tower. Mounted atop the tower are for UHF a Finco 7' dish (feed section at about 45') and an AC-4990 amp, and for VHF, a Lafayette 36 element log periodic. Both antennas are turned by an Alliance C-225 rotor. Not shown is a roof-mounted FM yagi. At bottom left, we see the 'nerve center' of Ken's shack. Ken is shown tuning a 9" Sylvania AC/DC b+w TV. Below it is a Harmon-Kardon FM receiver and a Kenwood KT 7001 FM tuner. To the right is the C-225 rotor control, a Bearcat 3 scanner, and a Lafayette HA-520 receiver for 30-50 and 150-174 MHz. At the bottom is a 21" RCA color TV. Finally, at the lower right, is a closeup of Ken's famous license plate.

My thanks to Ken Simon and John Combs for this month's feature...

73 and good DX, *Jim*



Deadline: 1st of
each month.

Support WTFDA---the club you save could be your own!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

With the late start in the Es season, not too many reports received as yet.
Here's what I have for this month:

Dave Hascall; 211 N. Merrill; Fortville, In 46040

5-29 Es 1400 EST ch.2 tp (Dave,; the drawing of the test pattern you enclosed looks very much like a Cuban palm tree tp. For a good look at this tp, see the Aug. 75 VUD.--wd) (It's used by the stations on the ICR network in Cuba.--wd)

Randy Dorman Jr.; 8113 Spaulding Cir., Severn, Md 21144 (301)-969-2978

5-23 Es or Tr? 1842 EDT ch.6 Carol Burnett Show. "Had tropis in while the Es was in so its possible it was WPVI-6." (not WPVI-6; they have ABC News at this time--wd) (The set of TV Guides I have(old set) arn't any help on this one, when I get the new set I should have more luck--wd)

5-23 Es 1846 ch.3 EDT Advertisement about Action 3 Newsteam and went back to Mary Tyler Moore Show. PTA: ????

5-28 Es? 1343 EDT ch.3 3/4 color bars. Direction:????

Possible I.D.: Jim Alexander has a possible I.D. for Robert Williams's "Tele-Inforna" slide which was shown in the May VUD. In the Oct.'75 VUD on page 27 there's a Tele-Inforna slide which was used by XHBC-3. It isn't exactly the same but it's some place to start looking.--wd.

Also, a letter from Jeff Wolf, which was passed on to me by Frank Aden, says: "The address for the Washington-Baltimore, Central Virginia, and Eastern Virginia TV Guides has been changed to:

TV Guide
4330 East West Highway
Suite 310
Bethesda, Md. 20014

Another thing I noticed, is that WKZO-3 is identifying itself as "TV Active 3" or "News Active 3". Keep this in mind when you run across them on Es.

Another note; yesterday I was watching KATC-3 and they have an I.D. slide which reads "standing tall" with large letters across the top of the screen and a TV tower on the right side. If they arn't real strong or clear when you see this, that's all you're going to make out. At the left side of the slide is "1800 feet" and at the bottom in very small letters is their call.

NEWS NOTES: A new proposal is out to make KSYS-8 Medford, Oregon a member of the Oregon Educational and Public Broadcasting Service. Expansion of KOAP-10's facilities to improve coverage was also discussed by the Oregon Educational Coordinating Commission. This would then allow either KOAC-7 or KVDC-3 to move to out of the Willamette Valley to increase coverage to rural areas.

IN SEARCH OF PAGER

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

In the four years of my public service DX'ing, I have come to appreciate several ways to indicate the presence of E-skip in public service frequencies. My best initial indicator of any E-skip is the pager; universally on 35.22 & 35.58, these pagers are located throughout the country including Alaska and Hawaii. There is at least one in each state and one is even located in Puerto Rico.

My first investigation of a possible opening is to attempt to ascertain the direction of the skip. If the skip is coming from the South, for example, I try for 45.06, used statewide in Florida for highway patrol. Florida also utilizes 45.10 and 44.90. If you attempt much skip, try buying the Police Call Magazine, available at most Radio Shack Stores or through Police Call Lebanon, NJ 08833.

Several frequencies are good buys for several areas and are good indicators of the presence of E's. One of my best frequencies has been 39.50. This particular frequency has netted me 41 QSL's from Virginia, Louisiana, and Illinois. The reason this particular frequency is such a good buy is that every police agency in these states must maintain a base station on this frequency. In the case of smaller agencies, it is the only base station they maintain. Some of the larger agencies use it as a point to point frequency.

There are, however, frequencies that are utilized only as point to point frequencies. A good example is the frequency 39.46 mhz. My encounter with this frequency is its use in Illinois and Kansas as a point to point only frequency. A call on this frequency is easy to identify, as they call from agency to agency; i.e., "Logan County from Sangemon County".

This is self explanatory. The Sangemon County Sheriffs Office is calling the Logan County Sheriffs Office. With the time and date you have all you need for an excellent reception report.

I address my report to Sangemon County Sheriffs Office c/o Communications Department Springfield, IL. My report goes to Springfield, as Springfield is the county seat of Sangemon County. No other address is available, but universally the post office knows where the police department or sherrif's office is located.

The remainder of this month's feature will attempt to focus on the highway patrol/state police throughout the continental United States. Keep in mind that I am working strictly with information I have gathered through my own research in Police Call Magazine. If you find the information not current, please don't hesitate to drop me a line.

The intention of this feature is to provide you with information on public service DX'ing. Much of what I have to offer will have to come from you, the reader. I have some ideas on features of interest, but my scope of information is limited.

Please also take note that some agencies have undergone changes, and I need your help to determine the scope of such changes. Please keep me posted!!!

Ron Wing
705 N. Emporia Apt 2
Wichita, KS 67214

reports

Sedwick County Medical Society's pager 152.0075 will have to change due to interference to Radio Common Carrier frequencies 152.03 & 152.06

Highway Patrol/State Police "Your Best Bet"

| | | | | | | | | | | | | | | | |
|-------|----|----|----|----|----|----|----|----|-------|----|----|----|----|----|----|
| 42.02 | MS | GA | | | | | | | | | | | | | |
| 42.04 | WI | NY | | | | | | | | | | | | | |
| 42.06 | MO | | | | | | | | | | | | | | |
| 42.08 | MS | SC | OH | CA | | | | | | | | | | | |
| 42.10 | SC | WV | | | | | | | | | | | | | |
| 42.12 | MS | SC | WV | IN | CA | MO | ME | VT | | | | | | | |
| 42.14 | WI | CA | ME | NY | | | | | 42.64 | NC | KY | MN | | | |
| 42.16 | MS | PA | IN | CA | | | | | 42.66 | NC | IL | CA | MN | WY | |
| 42.18 | MS | GA | CA | | | | | | 42.68 | VA | MI | IA | | | |
| 42.20 | MS | CA | ME | | | | | | 42.70 | VA | IL | | | | |
| 42.22 | WI | MO | | | | | | | 42.72 | NC | VA | IL | MI | CA | MN |
| 42.24 | MS | CA | WA | ME | UT | | | | 42.74 | TX | MI | IA | | | |
| 42.26 | TN | SC | WV | IN | ND | | | | 42.76 | NC | IL | KY | MN | | |
| 42.28 | TN | CA | ME | | | | | | 42.78 | NC | PA | MI | RI | UT | NV |
| 42.30 | NB | ME | NY | MA | CO | | | | 42.80 | NC | | | | | |
| 42.32 | OK | IN | MO | | | | | | 42.82 | VA | CA | OR | MN | WY | |
| 42.34 | SC | IL | OH | GA | MA | | | | 42.84 | TX | NC | | | | |
| 42.36 | TN | NY | MA | | | | | | 42.86 | VA | VT | | | | |
| 42.38 | WI | MO | ND | | | | | | 42.88 | TX | VA | OR | CA | MN | NH |
| 42.40 | CA | IA | | | | | | | | VT | NV | | | | |
| 42.42 | TN | IN | OH | CA | | | | | 42.90 | TX | | | | | |
| 42.44 | IL | CA | MA | NY | | | | | 42.92 | VA | MN | | | | |
| 42.46 | NB | CO | | | | | | | 42.94 | CA | OR | VT | NV | ID | |
| 42.48 | MI | NY | | | | | | | | | | | | | |
| 42.50 | IL | CA | MN | MA | ID | | | | | | | | | | |
| 42.52 | NC | PA | IL | ME | NY | | | | | | | | | | |
| 42.54 | CA | MN | MA | ID | | | | | | | | | | | |
| 42.56 | TN | NC | PA | IL | MI | OH | CA | ND | MA | NV | | | | | |
| 42.58 | MI | IA | | | | | | | | | | | | | |
| 42.60 | OK | NC | PA | IL | | | | | | | | | | | |
| 42.62 | NC | PA | IL | RI | | | | | | | | | | | |



VHF UTILITY DX

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

JULY 1978

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

| | | | | | | | |
|-------|--------|-------|-----------------------|-------|--------|-------|-------------------|
| 4-16: | | | | 5-16: | | | |
| 1201 | WSK76 | 33.98 | Rancho Cordova, CA-sp | 2202 | KKL992 | 33.98 | Plaquemine, LA-f |
| 1202 | KCB515 | " | Kings Beach, " " | 2206 | KKI630 | 39.50 | Monroe, LA-sp |
| 1222 | WAG987 | " | Santa Ana, " " | 2211 | KKC595 | " | Leesville, " " |
| 1230 | KAG238 | 37.10 | Downey, "-lg | 2214 | KKC592 | " | Lake Charles, "-" |
| 4-21: | | | | 2215 | KKD621 | " | Amite, "-p |
| 1252 | KOA745 | 42.82 | Portland, OR-sp | 2217 | KKC323 | " | Baton Rouge, "-sp |
| 1300 | KOB308 | " | Klamath Falls, " " | 2220 | KKM905 | " | Abbeville, "-p |
| | KOB311 | " | Burns, " " | 2224 | KWX703 | " | Convent, " " |
| | KOB877 | " | Tillamook, " " | 2233 | KKC883 | 42.66 | OK City, OK-sp |
| 1330 | KDL845 | 39.82 | Randall, WA-p | | KKC888 | " | Lawton, " " |
| | KDL848 | " | Peell, " " | 2234 | KKE569 | " | OK City, " " |
| 1331 | KDL846 | " | Morton, " " | 2236 | KJB860 | 45.02 | Denton, TX-p |
| 5-16: | | | | 2253 | KYL816 | 42.90 | Cusseta, "-sp |
| 2100 | KKM786 | 46.06 | Grapevine, TX-cf | 2254 | KYL815 | " | Texarkana, " " |
| | KKM790 | " | Lake Worth, " " | | KKL745 | " | Austin, " " |
| | KKM778 | " | Azle, " " | 2255 | KKK603 | " | Dallas, " " |
| | KKM795 | " | N Richland, " " | 2257 | KSS896 | " | Midland, " " |
| | KKM775 | " | Ft Worth, " " | | KKC588 | " | Houston, " " |
| | KKM803 | " | Hurst, " " | 2300 | KXC993 | 43.64 | Dallas, "-h |
| | KKM799 | " | Ft Worth, " " | 5-17: | | | |
| 2103 | KKV722 | 46.18 | Denton, "-f | 1200 | KXX467 | 33.98 | Houston, "-f |
| | KAN646 | 44.62 | Hot Spgs, AR-sp | | KZT523 | " | " " |
| 2106 | KKC232 | " | Forest City, " " | 1203 | KYW978 | 45.60 | Slidell, LA-lg |
| | KKC593 | 39.30 | Alexandria, LA-p | 1209 | KIB606 | 42.05 | Thomaston, GA-sp |
| 2107 | KSO925 | 39.36 | Bayou Benoit, " " | 1210 | KIB601 | " | Canton, " " |
| 2109 | KUE622 | 39.24 | Baton Rouge, " " | 1211 | KIJ281 | 45.06 | ShineSkywy, FL-sp |
| 2110 | KWX702 | 39.90 | Vacherie, " " | 1212 | KJN747 | " | Orlando, " " |
| 2115 | KKC230 | 44.66 | Hope, AR-sp | 1221 | KYG634 | 45.60 | Hector, AR-lg |
| | KKC227 | " | Little Rock, " " | 1230 | KTC945 | 46.06 | Aiken, SC-f |
| | KFR580 | " | Conway, " " | | KUU515 | " | " " |
| | KLO265 | " | Jonesboro, " " | 1233 | KIC735 | 42.10 | Florence, "-sp |
| 2118 | KKC227 | 44.74 | Little Rock, " " | 1236 | KIG483 | " | Aiken, " " |
| | KUP286 | " | Fayetteville, " " | 1241 | KIC332 | " | Conway, " " |
| 2119 | KFR580 | " | Conway, " " | 1245 | KTF853 | 33.98 | Irmo, "-f |
| 2120 | KKC883 | 44.70 | OK City, OK-sp | 1251 | KAA522 | 42.06 | WillowSpgs, MO-sp |
| 2123 | KKC881 | " | Pawnee, " " | 1254 | KAA243 | " | Springfield, " " |
| 2130 | - | 35.58 | OK City, "-vp | 1256 | KRB433 | " | Stratford, " " |
| 2145 | KKA267 | 37.10 | Malvern, AR-p | | KKA927 | " | Imperial, " " |
| 2146 | KQR450 | 37.90 | Milsap, TX-p | 1300 | KDP435 | 33.78 | Columbus, WI-f |
| 2147 | KKD397 | 42.90 | Pecos, "-sp | 1308 | KBH343 | 33.86 | McCon'ville, OH-f |
| 2200 | KDV661 | 33.70 | Metairie, LA-f | 1315 | KAL410 | 33.82 | Minneapolis, MN-f |
| | KDV662 | " | " " | | KAL408 | " | " " |
| | KKL447 | " | Gretna, " " | | KAL417 | " | " " |
| 2202 | KKL991 | 33.98 | Plaquemine, LA-f | | | | |

(add, 4-16: 1241 KEP616 33.86 LA, CA-f) (f-fire, p-police, c-county, s-state; lg-local govt; h-hospital; vp-voice pager)

ZB2VHF, 50.103 (beacon), Gibraltar, was received along the US east coast the afternoon of June 4. Some European video signals were also noted in the 6-m band.

Doug Long, 5062 Drummond Road, Niagra Falls, ONT L2E 6E4 Strauss 4147
Indoor whip and stacked Yagis

| | | | | | |
|-------|-------|------------------------------|------|-------|---|
| 1-26: | 132.2 | NY, NY (727)(310 mi) | 2-8: | 115.1 | Buffalo, NY (VOR)(25 mi) |
| 2-8: | 144.2 | Oakville, ONT (VC3AHN)(42) | 9: | 161.5 | Rochester, NY (NOAA; KHA53; 100 w; 73 mi) |
| 15: | 125.0 | Elmira, NY (Alleg. 457)(130) | 26: | 130.2 | N Bay (AirCan 521)(245) |
| 24: | 157.7 | Port Colborne (21 mi) | | | |

My loggings. Hallicrafters SX-62, 30' wire at 12' nw-se run; Heath GR-98 with 6-el Archer FM antenna at 20' with rotor; all F2 unless noted (bs-backscatter) with peak daily MUF; GMT used

| | | | | | |
|------|-------------------|-----|--------------------------|------|-------------------|
| 5-6: | 1900 36's | 15: | 2010 37.34 | 28: | 2140 36's |
| 7: | 1555 35.28 | 16: | 2005 40.94 | 29: | 1930 36's |
| | 1808 L Ang (Es) | 17: | 2040 35.58 | | 2123 KIP 653 (Es) |
| | 2343 KLF 527 | 18: | 0305 KSC 645 (Es) | 30: | 2300 35.58 bs |
| 8: | 1915 41.39 | | 1930 38.60 | 31: | 2145 35.28 |
| | 1958 KLF 527 | 19: | 1755 35.28 | 6-1: | 1931 KSC 645 |
| 9: | 1600 KIP 651 (Es) | 20: | 1825 35.28 | 3: | 2105 35.28 |
| | 2115 40.38 | 24: | 0000 30.30 | | 2325 35.58 bs |
| 10: | 1815 mid-38 | | 35.58 bs | 4: | 0010 30.42 Can |
| 11: | 1810 36's | 25: | 0121 KSC 645 (Es) | | 2400 40.85 |
| 12: | 1550 "ILNK" (Es) | 26: | 0141 KLF 527 | 5: | 1650 35.28 |
| 13: | 1618 OK City (Es) | 27: | 1905 38.28 | | 2040 35.58 bs |
| 14: | 2010 30.30 | 28: | 0310 OK City (Es) & 1942 | | |

"ILNK" 109.9 Lincoln, NE (ILS) KSC 645 35.58 Chicago, IL
 KIP 651 35.58 Ft Lauderdale, FL L Ang 35.38 Los Angeles, CA-mp
 KIP 653 35.22 Memphis, TN OK City 35.58 OK City, OK-vp
 KLF 527 35.22 Honolulu, HI (35's tone pagers except, vp-voice pager; mp-mobile phone)

 Donald L. Blevins, 407 Langley Road, Baltimore, MD 21221 Bearcat 210 & 4-wave ground plane; Jan 27

KGA579 152.33 Tokoma Park, MD (Takoma-Langley Cab)
 AAC261 165.185 Aberdeen Proving Ground, MD (military police)
 KGC383 153.32 Sparrows Point, MD (Bethlehem Steel Police)
 KFET24 152.36 Bethesda, MD (Service Cab Company)
 WAU71 155.58 Upper Marlboro, MD (sheriff)

Randy Dorman, WDX3TVS, 8113 Spaulding Cir., Severn, MD 21144 Patrolman PRO-16A, Panasonic RF 1004; lo-VHF and hi-VHF/UHF ground planes

| | | |
|------|------------------------------|--------------------------------------|
| 1-4: | KGN512 154.28 Carrol Co.-f | KGD273 154.28 Harford Co.-f |
| 5: | KIP337 154.28 Fairfax Co.-f | 7: KGA361 154.28 Prince George Co.-f |
| 9: | KGN512 33.94 | 12: KGC334 " Montgomery Co.-f |
| 19: | KGB248 39.18 Takoma Pk-p | " KGA611 " DC-f |
| " | KIC365 42.88 Richmond, VA-sp | |
| 20: | KGC367 46.46 Bal. Co.-f | 27: KGA361 46.12 |

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

| | |
|-------|---|
| 1-24: | 0014 N3776R 122.8 ov Edgewater, MD (Rolford D. Jaques; Pi. Ch. 180) |
| 30: | 0233 NMY 25 157.1 Fire Island, NY (USCG, 60 w, 180') |
| | 0245 NMY 49 " Manasquan, NJ (USCG, 60 w, 200') |
| | 1628 N366G 126.1 s Phila. (GE Co.; Falcon Fan Jet; 2-e, 12-s, 20w) |
| 31: | 1447 N8294W 128.1 vic Salisbury, MD (Leverage Constr. Co.; Pi. Ch. 180) |

 Solar flux levels in May slowed down somewhat but Cycle 21 is still rising at a much better rate than 20 did. At least this fall F2 season should be the best since 1970. The British and French TV audio are very probable. The north-south F2 MUF's from here have been holding well into the mid-30's or better (when magnetic disturbances occur).

The Es season so far has been considerably down from recent years. So far only one good opening into the VOR-ILS band (May 12).

During the summer some ionospheric modification experiments will be done using the "ionospheric heater" (2 Megawatt h.f.) at Platteville, CO. VHF and even UHF frequencies will be affected. Barium releases from rockets over Nevada in May proved less productive than expected on VHF.

Good aurorae up north in May-June so far. As yet no one has sent any DX via that.

WESTERN TV-DX

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

JULY 1978

So, far this spring conditions have been very poor here in the Pacific Northwest. There have been very few Es so far this year and the ones that I have seen have been short and they never get into the FM Band.

Buck Mattin, 4305 Pitt, Duluth, Minnesota 55804

This year's Es season got off to a very slow start here. I saw nothing before May 19th, and it was the very last day of May before I saw an opening which went above channel two. However, I did get a tropo opening out to 690 miles. Last year, tropo was dead until the fall. Duluth log total now stands at 181.

May 1978

19 Es 1558 KPRC 2 TX 1200
1648 WBRZ 2 LA 1145
21 Tr 2200 WTVO 17 IL 350
2200 WIFR 23 IL 350
2201 U's Peoria
2204 WSIU 16 IL 600
2214 WLKY 32 KY 690
2231 U's Chicago
2231 WTIU 30 IN 610
2231 WDRB 40 KY 690
2253 WICD 15 IL 500

May 1978

21 Tr 2257 WVTV 18 WI 335
22 Es 1848 WESH 2 FL 1410
Tr 1953 WFPL 32 IL 405
2018 WVTV 18 WI 335
2029 WISN 12 WI 335
2359 U's South Bend
24 Tr 2334 U's Chicago
2337 WVTV 18 WI 335
25 Tr 0059 U's Peoria
0108 WREX 13 IL 335
0108 V's Milwaukee

May 1978

25 Tr 0115 WJSV 28 IN 470
27 Es 1238 WESH 2 FL 1410
1314 WSB 2 GA 1010
1358 WDIQ 2 AL 1125
28 Es 1429 WMAB 2 MS 960
29 Es 1156 WBRZ 2 LA 1145
31 Tr 0153 V's Chicago
Es 2200 WRC 4 DC 950
2200 WMAR 2 MD 950
2230 WPMY 2 NC 1000

Bradford E. Wall, 7876 Del Rosa Ave., San Bernardino, California 92410

Here is a brief rundown on the DX situation here, San Bernardino is located in a valley about 70 miles east of LA and 70 miles west of Palm Springs. I am surrounded by mountains to the north, south and east. As a matter of fact, I have never seen KMIR-36 or KPLM-42 Palm Springs from here. The path is cut off completely by the mountains. Occasionally Bakersfield and San Diego stations come in. Receiver is a Wards 19" B&W and the antennas include an Archer 10-element FM used for channel 6, a Wards 42" dish for UHF, and a Winegard 10 Element cut-channel for channel 12.

May 1978

07 Tr 1557 K7ODF
1615 KCST 39 CA
1630 KRMB 8 CA
20 Tr 1815 XEWT 12 Mexico

May 1978

20 Tr 1825 XEVT 6 Mexico
21 Es 1158 KENW 3 NM
1225 KARD 3 KS
1235 KTVCT 6 KS

May 1978

21 Es 1300 KLINE 3 NE
1330 KTVQ 2 MT
22 Es 0810 KIII 3 TX

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

May 1978 can go down as one of the worst with no major openings seen here at all and June has not done any better. Only mini-openings that start strong but die in 1-2 hours have been seen. Just as it gets into FM the skip drops out. This may be a very wierd season. Receivers: Panasonic 12", Panasonic 7", Sony 5", Arvin 9". Antenna: Winegard SC540 with preamp and rotor at 25 feet.

May 1978

07 Es 1850 KENW 3 NM
1900 XEPM 2
14 Es 2100 KTVK 3 AZ
16 Es 1900 CBWFT-7 2 ONT
1900 CBWFT 3 MAN
21 Es 2000 KARD 3 KS
2000 KCKT 2 KS
2100 KFDX 3 TX

May 1978

28 Es 2130 KPRY 4 SD
2130 KOTA 3 SD
2140 KMTV 3 NE
29 Es 1900 KTCA 2 MN
1900 CBWFT 3 MAN
31 Es 1700 KWGN 2 CO
1800 KUSD 2 SD
1830 KENW 3 NM

May 1978

31 Es 1930 KDLO 3 SD

June 1978

03 Es 1030 KTWQ 2 WY
1030 KTVS 3 CO
1030 KDUH 4 NE
1030 KYCU 5 WY
1100 KOTA 3 SD

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

Equipment: 1976 model Penncrest 9" B&W, Archer V-100 and 8-bay bow-tie UHF at 20 feet with rotor. New underlined t-tentative.

Pat Dyer continued....

May 1978

02 Es 0159 KUTV 2 UT 1080
 0200 KORKt 3 NV 1050
 0200 KVVU 5 NV 1040
 0204 KTVKt 3 AZ 835
 1935 WESH 2 FL 1055
 2010 KTVKt 3 AZ 835
 2010 KPHOT 5 AZ 835
 2020 XHBC 3 BCN 1010
 04 Es 1800 TGVt 3 Guat 1120
 1817 YSR 2 El Sal.
 05 Es 1100 WDIQ 2 AL 730
 Tr 2000 KFDWt 6 TX 275
 2000 KPLCt 7 LA 325
 08 Es 0759 WPMY 2 NC 1175
 0829 WESH 2 FL 1055
 0902 KTVQ 2 MT 1245
 0902 KOTAt 3 SD 1040
 09 Es 1801 YSR 2 El Sal.
 10 Tr 0110 KBMT 12 TX 275
 Es 0958 KTWO 2 WY 1015
 1029 KOTA 3 SD 1040
 1228 KTVQ 2 MT 1245
 11 Es 1959 WBAV 2 WI 1190
 12 Es 0729 WMT 2 IA 945
 0759 WOI 5 IA 880
 0859 KAAL 6 MN 1030
 0859 KUSD 2 SD 920
 1330 WSJK 2 TN 1010
 1358 CBWFT 3 MAH 1410
 1358 KFIR 5 ND 1200
 1359 KGPE 2 ND 1240
 1359 KTCA 2 MN 1110
 1359 KDLO 3 SD 1070
 1419 WDAY 6 ND 1210
 1540 KJJB 4 ND 1205
 1559 KOTA 3 SD 1040
 1559 KDIX 2 ND 1225
 1715 KOAI 2 AZ 855
 1729 KTVK 3 AZ 835
 1810 XHAQ 5 BCN 1010
 1827 KORK 3 NV 1050
 1959 KTVS 3 CO 815
 1959 WCIA 3 IL 935
 2000 KLNE 3 NE 785
 2028 KWGN 2 CO 810
 2028 KOAt 4 CO 810
 2035 KSLt 5 UT 1080
 2035 KTVXt 4 UT 1080
 2059 KUTV 2 UT 1080
 2103 WAVE 3 KY 945
 13 Es 1049 WSB 2 GA 880
 1059 WAVE 3 KY 945
 1117 WRCB 3 TN 865
 (MUF 88.9 by 1128)
 1129 WLBT 3 MS 525
 1859 KOAI 2 AZ 855
 1950 XHBCt 3 BCN 1010
 2002 KNXT 2 CA 1190
 15 Tr 0630 WRPTt33 LA 450

May 1978

15 Tr 0630 WBMGt 42 AL 750
 0630 WGNt 26 LA 510
 0630 KLAAt 14 LA 430
 0630 WMAU 17 MS 470
 0640 WMAH 19 MS 570
 0829 KMID 2 TX 275
 16 Tr 2100 WRBT 33 LA 450
 18 Es 1530 WFPt 2 NC 1175
 1859 KNOP 2 NE 815
 2025 WESH 2 FL 1055
 19 Es 0825 WESH 2 FL 1055
 1253 WEDU 3 FL 985
 1259 WESH 2 FL 1055
 1459 WPBT 2 FL 1150
 1515 Cuba 3
 1735 WTVJ 4 FL 1150
 1820 Cuba 2
 1910 WCBdt 2 SC 1120
 1925 YSUt 4 El Sal.
 1925 YSR 2 El Sal.
 21 Es 0843 WESH 2 FL 1055
 0930 KGFE 2 ND 1240
 0945 WCIVt 4 SC 1120
 0950 WCSC 5 SC 1120
 0959 WWAY 3 NC 1250
 0959 WCBd 2 SC 1175
 1029 WPMY 2 NC 1175
 (MUF 99.1 by 1004)
 1055 WDTN 2 OH 1075
 1055 WAVE 3 KY 945
 1125 WJt 2 MI 1225
 1128 WJBK 2 MI 1225
 1216 WBAV 2 WI 1190
 1629 WPBT 2 FL 1150
 1638 Cuba-t 3
 1645 WTVJ 4 FL 1150
 22 Es 0343 WESH 2 FL 1055
 Es 0530 WTHS 2 FL 1150
 0530 WTVJt 4 FL 1150
 0535 WCIX 6 FL 1150
 (MUF 89.7 at 0555)
 0559 WSJK 2 TN 1010
 0559 WRCB 3 TN 865
 0700 WESH 2 FL 1055
 0729 WTVJ 4 FL 1150
 0759 WEDU 3 FL 985
 1029 KNXT 2 CA 1190
 1029 KNBCt 4 CA 1190
 1029 KTLAt 5 CA 1190
 (MUF 99.9 by 1038)
 1059 KTVK 3 AZ 835
 1059 KOAI 2 AZ 855
 1129 KNOP 2 NE 815
 1129 KLNE 3 NE 785
 1202 KPLD 3 SD 955
 1202 XETV 6 BCN 1100
 (MUF 106.5 by 1203)
 1259 KTWO 2 WY 1015
 1329 KUSD 2 SD 920

May 1978

22 Es 1329 KDIX 2 ND 1225
 1359 KDLO 3 SD 1070
 1920 KTVQ 3 MT 1410
 2034 KNOP 2 NE 815
 2040 KOTA 3 SD 1040
 2145 YSR 2 El Sal.
 2207 KUTV 2 UT 1080
 23 Es 0341 WESH 2 FL 1055
 0401 WBTv 3 NC 1105
 0413 WPMY 2 NC 1175
 0414 WCBd 2 SC 1120
 0415 WRAL 5 NC 1230
 0424 WWAY 3 NC 1250
 0427 WFBC 4 SC 1010
 0432 WECT 6 NC 1250
 0455 WTHS 2 FL 1150
 0458 WCIV 4 SC 1120
 0516 WCSC 5 SC 1120
 (MUF 94.1 by 0605)
 0859 XETV 6 BCN 1100
 (MUF 106.5 by 0924)
 1059 KTVI 2 MO 790
 1100 WCIA 3 IL 935
 1210 KVVU 5 NV 1040
 1229 KEYT 3 CA 1270
 1229 KORK 3 NV 1050
 1343 XHBC 3 BCN 1010
 2005 KORKt 3 NV 1050
 2105 KNXT 2 CA 1190
 24 Es 0826 WDTN 2 OH 1075
 0828 WAVE 3 KY 945
 0929 WTVJ 2 IN 935
 0929 WCIA 3 IL 1045
 0959 WBEH 2 IL 1045
 1610 WESH 2 FL 1055
 1755 Cuba-t 3
 2028 XHBC 3 BCN 1010
 26 Es 1615 WESH 2 FL 1055
 1815 WEDU 3 FL 985
 1832 WTVJ 4 FL 1150
 1859 WPBT 2 FL 1150
 1915 WCIV 4 SC 1120
 1929 WCBd 2 SC 1120
 1931 WSAV 3 GA 1055
 2105 KOAI 2 AZ 855
 28 Es 1058 WESH 2 FL 1055
 1059 WNGE 2 TN 830
 1106 WSAV 3 GA 1050
 1142 WECT 6 NC 1230
 1151 WRAL 5 NC 1230
 (MUF 99.1 by 1207)
 1228 WTAE 4 PA 1280
 1235 KDKA 2 PA 1280
 1329 KLNE 3 NE 785
 1330 CKCT 2 KS 615
 (MUF 99.9 by 1423)
 1435 KUSD 2 SD 920
 1515 KPLD 6 SD 955
 1529 KDLO 3 SD 1070

Pat Dyer continued....

May 1978

28 Es 1755 XHBCt 3 BCN 1010
1755 XHAQt 5 BCN 1010
(MUF 94.5 by 2032)
2107 WAVE 3 KY 945
2108 WBAY 2 WI 1190
2129 WSJK 2 TN 1010
2142 KMTV 3 NE 830
2213 KTWO 2 WI 1015
2240 KTVXt 4 UT 1080
2240 KSLt 5 UT 1080
2258 KUTV 2 UT 1080

May 1978

29 Es 0105 KTVKt 3 AZ 835
0138 KNXT 2 CA 1190
0202 KUTV 2 UT 1080
1328 WEDV 3 FL 985
1359 WPBT 2 FL 1150
30 Es 0859 KDIK 2 ND 1225
0930 KOTA 3 SD 1040
(MUF 89.3 by 1017)
1027 WGR 2 NY 1420
1005 WBAY 2 WI 1190
1129 KTVQ 2 MT 1245

May 1978

30 Es 1259 CKCO 2 Ont 1410
1302 WBRM 2 IL 1045
1302 KDAL 3 MN 1250
1328 WBAY 2 WI 1190
1329 WKZO 3 MI 1140
2005 KPCCat2 MN 1110
2005 WCCO 2 MN 1110
2128 KUSD 2 SD 920
31 Tr 0050 KLFT 10 LA 395
0050 KPFM 6 TX 275

A little bit of a late start with the Eo season. Some very good days mixed in with a lot of so-so days. Without a doubt the most interesting day was May 23 with the pre-dawn opening to the east. A real treat to see all those 2-6 ID's before the locals came on around 0530. Thought for a while that Mexico was finally going to start with individual station ID's instead of the net-only method.

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

June 1978

04 Es 0928 KOA 4 CO
1000 KTVS 3 CO

June 1978

04 Es 1030 KDUH 4 NE
1030 KICU 5 WY

June 1978

04 Es 1130 KPBY 4 SD
1130 KDSJ 5 SD

See you all in one month and be sure and send in your DX!

11 Month Unidentified ID

by Paul Traska

Rome was not built in a day, god did not make little green apples and it does not rain in Minneapolis. Bull feathers or whatever the same pertains to unidentified stations. Let me tell you a story, a true story with facts that lead to the (11 month ID) title.

It all started when I was sleeping, yep your reading correct, I was sleeping but do not get ahead of yourself, no videotaperecorder had been used. Bill Thompson, editor of Eastern TV-DX and I communicate quite frequently, one would actually say we make sure both of our telephones work properly. Getting back to the story, it was Wednesday June 8th, 1977 and I was checking the dials that evening. Can not recall how good signals were, I would imagine not too hot because I went for some shut-eye before midnight. On June 9th, a few minutes after midnight I got one ring on the phone (one ring is a sign that E-skip is in, sort of a code between some of us TV DXers.) I called Bill back and he gave me the run down on what was up. Skip was in and not much longer double-hop occurred and that is happy days for a DXer.

We made a decision that early morning to keep both phones off the hook so we could talk back and forth while monitoring this driving E-skip until it petered out. Between the two of us we made out alright.

One ID was seen on ch. 4, KGIN, but that is channel 11. Could it have been a translator, 10 watts by E-skip? This peculiar station puzzled us. At first we thought it might be KSNB-4 relaying KGIN by mistake but a letter from them proved no. For many months this was a puzzle.

I wrote letters to Nebraska inquiring about reception received with a KGIN ID on channel 4. On that morning we watched three different channel 4s sign/off in that area. This left the strong possibility of our unknown to be a translator. Bill also payed a visit to our local library to research into TV FACTBOOK for information on KGIN's translators.

Three translators were found to be of importance; K94CV Broken Bow, K94CN McCook and K94ED North Platte. One which one did we receive? Figuration comes to mind at this point. A letter from KGIN in Grand Island, Nebraska received after many months of waiting was of great use. We were informed of another translator, K94HL Ord, Bill and I had no idea of its existence until then and the letter was very appreciated. The information made the possibility of identification by signal directional transmitting antenna. Also the path of E-skip both single and double-hop and time of reception (12 minutes prior of last logging, KORK-3) were of great importance.

My conclusion, reception of which translator received, on an extraordinary early morning E-skip opening, the one and only VHF translator on KGIN-11 on channel 4 is K94CN McCook. I claim it by its directional signal, E-SE, 1,137 miles from its normal signal coverage area (see PHOTO-NEWS, April 1978). Received in Buffalo NY by Bill Thompson and Paul Traska on June 9th, 1977, a record that stands out to be beat.

July 1978

Deadline: 5th

The E-skip season got off to a fair start in May. Major sporadic-E activity on TV didn't appear until after May 15, and the first half of May was almost completely without Es for all but the most southerly DXers. Although there were a number of openings reported in late May, MUFs this year seem to have been below par for that period. Only on three dates has E-skip been reported to channel 6. Many of the late May openings didn't seem to reach higher than channel 4. An Es chart for the month will appear when more of this column's regular reporters have been heard from.

As will sometimes happen, the early part of the skip season has fallen into a very definite slump during the first part of June. Usually, early June is an outstanding period for Es openings, but you can always expect E-skip to do the unexpected! Hopefully, activity in the later part of the month will make up for the slump.

Tropo conditions in May were excellent at times. The month began with another spectacular Gulf tropo opening noted by John Combs, with lowband VHF TV tropo out to over 1000 miles on the morning of May 5! John reports highband VHF and UHF TV to around 850 miles during that opening. In the Midwest, good tropo conditions prevailed May 21-22.

We still haven't had many reports of auroral activity following the giant solar flares of April and early May. If you saw anything unusual, send in a report; auroral TVDX catches are hard to come by, and of great interest to many VUD readers.

Incidentally, if the new postage rates are driving you up a wall, don't let it cut back on your DX reporting. Many DXers have found that a postcard will do fine for reporting their loggings. If you print carefully, you'd be surprised how much you can fit on a card.

Jim Alexander 4 Brook Court Parsippany, New Jersey 07054 (EST/EDT)

| September 1977 | May | | | | |
|-----------------------------|----------------|-------------------|-----------------------|----|------------------|
| 15 Tr eve-ning (under WCBS) | WUNK-2 NC 355 | 1 Es 1130 unID-2 | 22 Es 1000 WTVJ-4 FL | 25 | 1535 ICR2-4 CUBA |
| | WUNK-25 NC 390 | 18 2125 unID-3 | | | Canagay |
| "both weak" | | 19 1958 WYAB-2 MS | 26 Tr 2200 WYAB-26 NE | | Middleford |
| | | 2000 WBRZ-2 LA | 30 Es 1200 WBSH-2 FL | | |
| | | 2002 WLB1-3 MS | 1430 WYAB-2 MS | | WJF ch 6 |
| | | 1000 WPEB-2 FL | | | |

March 1978
15 Tr 2305 WHRO-15 VA 280
WYAB-27 VA 295 22
"Equipment: Delhi 7' dish at 45' w/AC-4990 UHF amp; Channel Master Quantum 1114 at 30'; 19" Zenith b&w TV until May (now using Spacetone 9" b&w TV). The 1978 E-skip season seems to be off to a good start here, with the most skip ever seen in the month of May by this DXer. So far, all of it has been to the south or to the southwest."

Mary J. Hayes 9 Henry Street Wilkes-Barre, Pennsylvania 18702 (EST/EDT)

Equipment includes RCA 19" B/W set, quad loop antennas for channels 2 and 8.

| April | May | Es | Es | June |
|---------------------------|---------------------------|----------------------|----|----------------------|
| 15 Au 1925 "Hash 2-6, FM" | 13 Es 1915 WBRZ-2 LA | 22 Es 2015 KFR3-3 LA | 23 | 1830 WBRZ-2 LA |
| | 16 (Back in Wilkes-Barre) | Es 1925 WBRZ-2 LA | | KATC-3 LA |
| | | 2100 WPEB-2 FL | | 1930 WPEB-2 FL |
| 3 Au 1745 "Hash 2-6, FM" | 2300 KFRG-2 TX | 2100 WBSH-2 FL | 31 | 2145 "Intense to FM" |
| 13 (At Gouldsboro PA) | 2100 WBSH-2 FL | 2130 WPEB-2 FL | | 2310 KMLG-3 SD |
| Es 1900 WWL-4 LA | 18 | 2130 WJXT-4 FL | | |
| Es 1905 WDSU-6 LA | | | | |
| "excellent pix" | | | | |

"I am experimenting this year by building quad loops. They are made of stripped lamp cord attached to cardboard mounts. My gigantic channel 2 loop hangs on my bedroom window. Since getting a job this year I spend the working week at this city location where I do just about all of my TV DXing. I am bothered by some cable interference on all channels which isn't too much of a hindrance to skip. Also, CB interference on channel 2 with the passing of certain 'ratchet jaws' in cars. The loop pulls in the skip excellently, what little there has been. Sensitivity peaks on chs 2 & 3 and falls off at channel 4. I get up to Gouldsboro on weekends where I do FM DXing. I also try the bands here, but the excess amount of images, mostly from WGBI-FM, curtails much serious work. June has started off very badly here with no skip seen until the 6th. Let's hope the rest of the month makes up for it."

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

| | | | | |
|----------------|---------------------|---------------------|-------|---------------------|
| <u>January</u> | 19 Es | 1919 KTBS-3 LA 1005 | 27 Es | 2200 WBPT-2 FL 1098 |
| 2 Es | 0030 KPRC-2 TX 1210 | 1930 WBRZ-2 LA 1020 | | 2201 WESH-2 FL 902 |
| <u>March</u> | 23 | 1830 WPBT-2 FL 1098 | 29 | 1230 KDLO-3 SD 846 |
| 9 Tr | 1100 WTRF-7 WV 149 | 1858 WEAR-3 FL 912 | | 1730 WDIQ-2 AL 815 |
| | 1300 WNDU-16 IN 318 | 1900 WDIQ-2 AL 815 | 30 | 1300 WBRZ-2 LA 1020 |
| <u>May</u> | 27 | 1328 WBRZ-2 LA 1020 | | 1312 WWL-4 LA 1005 |
| 17 Es | 1158 WTHS-2 FL 1098 | 1330 KPRC-2 TX 1240 | | 1500 WMAB-2 MS 774 |

Dave Hascall 211 N. Merrill Fortville, Indiana 46040 (EDT)

| | | | | |
|------------|--------------------|---------------------|---------------------|--------------------|
| <u>May</u> | 22 Tr | 1100 WHAS-11 KY 100 | 23 Es | 1730 WBDU-3 FL 900 |
| 22 Tr | 1030 WAVE-3 KY 100 | 23 Es | 1630 WTHS-2 FL 1000 | "Here we go...!" |

Jim Gould R.R.#3 Kokomo, Indiana 46901 (317)452-9585 (EST/EDT)

| | | | | | |
|----------------------|---------------------|---------------------|---------------------|-------|--|
| <u>November 1977</u> | 16 Tr | 0620 W2AA-26 NY 370 | <u>April</u> | 7 Tr | 0800 WAAY-31 AL 410 |
| 24 Tr | 2300 WAAY-31 AL 410 | W4GAB-46 NY 370 | | | 0802 WBMG-42 AL? T |
| 29 | 2300 W47AB-47 OH | 0622 WBRB-28 PA 536 | | | "signals vy strong from Cleveland to Lexington KY" |
| | Mansfield 120 | 0640 WVIA-44 PA 536 | | | |
| | (WOSU-34 xltr) | 0648 WENY-36 NY 490 | | | |
| <u>December</u> | | 0833 KTEJ-19 AR 417 | | | |
| 15 Tr | 0715 WDEF-12 TN 385 | 0910 KLAA-14 LA? T | <u>May</u> | 8 Tr | 0653 KOLR-10 MO 445 |
| | WAAY-31 AL 410 | 0933 WGN0-26 LA | | 21 | 2030 KOLR-10 MO 445 |
| | "now ABC" | New Orleans 770 | | | 2100 KGIN-11 IA 390 |
| | WBMG-42 AL 490 | 1800 WJSP-28 GA 567 | | | 2102 KHIN-36 IA 470 |
| 0745 | WAPT-16 MS? T | 1823 WECA-27 FL | | | 2105 KBMA-41 MO 458 |
| | WHTV-24 MS? T | Tallahassee 716 | | | 0830 WAAY-31 AL 410 |
| | WMAA-29 MS 619 | 17 Es | 1800 KEFE-2 NL? T | 26 | 0900 WTVK-26 TN 346 |
| | unID-26 CCI S. | 21 | 0926 KPRC-2 TX 910 | | 0910 WLOS-13 NC? T |
| 0751 | WMAO-23 MS 543 | | KIIL-3 TX 1102 | | 2200 WUTV-29 NY 410 |
| 0754 | WMAV-18 MS 473 | | MUF ch 5 | 28 Es | 1200 "Finally!!" |
| | "thru local" | GW | 2000 WFFF-55 IN | | XHT-3 Yuc 1350 |
| 0813 | WMAB-12 MS | | Fort Wayne 65 | | KPRC-2 TX 910 |
| | Booneville 435 | <u>March 1978</u> | | | 2115 KWGN-2 CO? T |
| 0819 | WCPT-55 TN? T | 12 Tr | 0930 KBMA-41 MO 458 | | 2119 KOA-4 CO? T |
| 0830 | WJSP-28 GA | | 1230 KHIN-36 IA 470 | | 1335 "Cuban 'Palm Tree' TP chs 2 & 3" |
| | Warm Springs 567 | | 1700 KYIN-24 IA 402 | 29 | 1337 WTHS-2 FL? T |
| 2030 | KDOG-26 TX 910 | | 1730 KMEG-14 IA 540 | | 1427 "Cuban 'Palm Tree TP channel 5" |
| 2058 | KTEJ-19 AR 417 | 13 | 0700 WBRB-28 PA? T | | 2028 WGBH-2 MA 785 |
| 2100 | KHTV-39 TX? T | | 0702 WVIA-44 PA? T | 31 | 2200 WFSB-3 CT 704 |
| 2300 | KTHV-11 AR 520 | 15 | 0840 unIDs 26,28 S. | | |
| | "KDOG-26 snow-free" | 21 | 0705 KBMA-41 MO 458 | | |

Present log totals: 640

Marvin Shults R.R.#1 Toulon, Illinois 61483 (CDT)

| | | | | | |
|------------|-------------------|-------------------|-------------------|-----------------|-------------------|
| <u>May</u> | 12 Es | 1330 KTVX-4 UT? T | 22 Tr | 0859 WPTO-14 OH | |
| 12 Es | 1054 KUAT-6 AZ | 1501 KNMB-5 NM | 2205 | WFRV-5 WI | |
| | Tucson | 1630 XEPM-2 Chih | | WLJK-11 WI | |
| | 1059 KMID-2 TX | 61udad Juarez | | WPNE-38 WI | |
| 2Es? | KTLA-5 CA? T | 18 | 1403 CKCK-2 SK | 23 Es | 1300 WTHS-2 FL |
| Es | 1110 KNMB-5 NM | 21 Tr | 2159 WCET-48 OH | | WESH-2 FL |
| | 1115 KORK-3 NV? T | | WCPO-9 OH | | 1627 ICR6-5 CUBA |
| | 1122 KACB-3 TX | | WKYT-27 KY | | 1628 WPBT-2 FL |
| | KPHO-5 AZ | | 2215 WLKY-32 KY | | 1629 WEDU-3 FL |
| 1129 | KWAB-4 TX | | 2230 CELFT3-48 ON | | 1633 WESH-2 FL |
| 1200 | KENW-3 NM | | 2234 CKCO3-42 ON | | 1641 WPTV-5 FL |
| 1217 | KDBC-4 TX? T | | 2239 Detroit U's | | 1701 WRAL-5 NC |
| 1230 | KAVE-6 NM | | 2240 CEPL-10 ON | | 1704 WJXT-4 FL |
| 1304 | KREX-5 CO | | 2246 CKGN29-29 ON | 28 | 2100 CKCK-2 SK? T |
| 1314 | KWGN-2 CO | 22 | 0759 WCVN-54 KY | | 2102 KPRC-2 TX |
| 1329 | KOA-4 CO | | WSVN-47 VA | | |
| | Denver | | 0800 WCET-48 OH | | |

"The reception of KUAT-6 Tucson was totally unexpected as I was pointed toward Chicago at the time, when I noticed this test pattern wiping across WOC-6 (zero beating). I rotated around to the S.W. until the signal became visible over WOC (a wedge TP, then CB). If the data in the WJFDA Station Guide is correct, this is the lowest powered station that I have received via Es (1kw at 110° AAT). ICR5 Cuba test pattern (which I photoed) was virtually 5555 several times for almost an hour. New normal sign on times for all Iowa Public Broadcasting Network stations (IPBN) are as follows: Monday thru Friday 9 a.m., Saturday 4 p.m., and noon on Sunday (all times CDT)."

Paul L. Gaines 15920 Puritan Street Detroit, Michigan 48227 (313)861-6321

| | | | | |
|---------------------|------------|----------------------|------------|---------------------|
| November 1977 (BST) | 28 Tr 0059 | WPBN-7 MI | 22 Tr 0850 | WILL-12 IL 305 |
| 29 Tr 2355 | | Traverse City 205 | 0900 | WTHI-10 IN 290 |
| 30 0006 | 31 2346 | W67AJ-67 MI | 26 0751 | WBAK-38 IN 290 |
| 0040 | | Ann Arbor 25 | 0805 | WTHI-10 IN 290 |
| 0046 | | (WJIM-6 xltr) | 0855 | WILL-12 IL 305 |
| 0220 | | | 28 0040 | WFFP-55 IN |
| December | 8 Tr | 2355 WICD-15 IL 305 | | Fort Wayne 130 |
| 16 Tr 0212 | 9 | 0150 WOWK-13 WV 280 | | 0917 WICD-15 IL 305 |
| January 1978 | | 2219 W46AB-46 NY 180 | | 0949 WKFT-27 KY 305 |
| 18 Tr 2327 | | 2225 W26AA-26 NY 195 | | 0951 WLKX-18 KY 305 |
| | | | 30 Bs 0950 | TWNational-3 CUBA |
| March | 22 Tr | 0605 WOWK-13 WV 280 | | Santa Clara 1410 |
| 9 Tr 2321 | | 0641 WBOY-12 WV 260 | | 1012 WBDU-3 FL 1000 |
| 2325 | | 0815 WIGS-20 IL 375 | | 1035 WPTV-5 FL 1110 |
| 2335 | | 0818 WICD-15 IL 305 | | 1110 WCIX-6 FL 1170 |
| | | 0844 WBAK-38 IN 290 | | 1320 WBAK-3 FL 870 |
| | | | | Hope you guys are |

"Worst DX period I have seen--and it's not much better now! making out better than we are here--April showers in June?"

Doug Long 5062 Drummond Road Niagara Falls, Ontario L2E 6K4 (all times EDT)

"Well, the skip season has gotten off to a slow start. So far this year I have not identified any Bs. Also, tropo has been poor for my equipment...many stations in the 100 mile range have been clear recently; perhaps it's a sign of better things. Presently I'm using a Channel Master M5179 mounted at 30' but most catches were on rabbit ears."

| | | | | |
|------------|------|---------------------|------------|---------------------|
| January | 9 Tr | 1921 CBLFT2-40 ON | April | |
| 29 Au 2100 | | 2000 WGPR-62 MI 205 | 9 GW 0930 | "WNED xltr 72" |
| | | 2006 WBGU-57 OH | | "WNED xltr 81" |
| March | | Bowling Green 260 | 20 Es 2230 | unID-3 GBS S.W. |
| 9 Tr 1900 | | 2038 WKYC-3 ON 165 | 24 Tr 2219 | "WNED xltr 72" |
| 1910 | | unID-55 OH xltr | | 2300 WRNG-12 NY 190 |
| 1920 | | 2100 WNYS-9 NY | May | |
| 1921 | | Syracuse 150 | 19 Bs 1800 | unIDs 3, 5, 2 |

| | | | | |
|---|-------|--|-------|----------------------|
| Ken Simon 528 Pilgrim Road West Palm Beach, Florida 33405 (305)585-7415 | | | | |
| April (BST) | 6 Tr | 0750 WNOK-19 SC | 23 Es | 1600 CKVR-3 ON |
| 1 Tr 0750 | | 0755 WRBT-36 NC? T | | WKYC-3 OH T |
| 8 2209 | | WEBA-14 SC | | 1759 WPSX-3 PA |
| | | WRLE-35 SC | | CKGN-6 ON |
| | | "CCI o/W33AA" | Tr | 2006 WEBA-14 SC |
| 2220 | | 0842 WJCT-7 FL | | WATU-26 SC |
| | 12 Es | 1344 KTVO-3 MO | 24 Es | 1932 unID-2 |
| | | MUF 88.5 MHz | 25 | 1945 unID-2 CCI |
| 2230 | | 1400 unID-4 CBC | 26 | 2000 KBTX-3 TX |
| | | unID-4 CCI | | MUF ch 4 |
| 2253 | 13 Tr | 0655 unIDs 29, 33 | | 2100 KETS-2 AR |
| | 18 | 2054 "All St Pete/ Tampa, Orlando U's like locals!" | 27 | 1910 unID-4 "Latin?" |
| 2301 | | | | 1919 KGBT-4 TX |
| | | | 28 | 1145 unID-2 |
| 9 0552 | 20 Bs | 1940 unID-2 o/WPBT | | 1258 unID-4 "KTVY?" |
| 0613 | 21 | 1028 unIDs 2, 3 | | 1300 KTEW-2 OK |
| 0625 | | 1100 KTVO-3 MO | | & unIDs to 4 |
| 0710 | | MUF ch 4 | | to 2150 |
| 0935 | | 1910 unID-4 "Latin?" | 29 | 1306 unID-2 |
| WRJA-27 SC | | 1919 KGBT-4 TX | | 1330 MUF ch 4 |
| 0555 WLCY-10 FL | | "no sign of activity on 2-3..." | | 1559 unIDs to 4 |
| May (EDT) | 4 Bs | 1831 unIDs 2-4 | 30 | 1316 unID-2 |
| 6 Tr 0655 | 22 | 1300 unID-2 CCI | 31 Tr | 2058 unID-33 CCI |
| 0703 | 23 | 1518 unID-2 NBC | | 2135 WRJA-27 SC |
| 0717 | | 1600 WPSX-3 PA? T | | |
| 0730 | | WFSB-3 CT | | |

Not listed: numerous relogs of WJKS-17 & WCJB-20 FL, WJCL-22 GA & WJWJ-16 SC. "Had a call from John Combs about May 5 opening from Orlando to Texas but I didn't get lucky. Of course, John didn't see WYAH-27 on April 8...Just figured out May 5, 1974 1015 EDT ch 4 is YSU...May has been a good month with MUF well into FM area many times...unfortunately most Es reception badly CLUTTERED by too many stations...just got a note from Richard Clark of Orlando and Santo Cerro, La Vega DOMINICAN REPUBLIC. Bs--WTAR-3, WBDU-3, WJHS-2, WBSH-2, WTVJ-4 is about all he ever gets! Tropo--WDND-10 and WFLG-10! He says he has these on video tape...from DOMINICAN REPUBLIC QTH!"

| John F. Combs 2485 Ivan Court Orlando, Florida 32804 (EST/EDT) | | | |
|--|----------------------|-------|---------------------|
| <u>April</u> | | | |
| 4 Tr | 2055 WJWJ-16 SC 290 | 10 Tr | 2342 WRJA-27 SC 373 |
| | WRJA-27 SC 373 | | 19 Tr |
| | 2056 WFSU-11 FL 230 | | 2042 WJWJ-16 SC 290 |
| | 2059 WEBB-14 SC 320 | | 2900 WTVY-4 AL 299 |
| | 2100 WMBB-13 FL 263 | | WDEH-18 AL 301 |
| 6 | 0210 WCIX-6 FL 226 | 15 | 0007 WDHN-18 AL 301 |
| | 0215 WPBT-2 FL 191 | | 0008 WGIQ-43 AL 329 |
| | "testing" | | 0029 WDCO-15 GA 294 |
| | 2122 WEBB-14 SC 320 | | 2330 WCIV-4 SC 309 |
| | WJWJ-16 SC 290 | | 2335 WCSG-5 SC 309 |
| | WJPM-33 SC 408 | | 2336 WATU-26 SC 337 |
| | 2123 WUNJ-39 NC 440 | | 2337 WRDW-12 SC 337 |
| | 2124 WITV-7 NC? T | 16 | 2348 WSAV-3 GA 242 |
| | WCTI-12 NC 508 | | 2349 WBTW-13 SC 408 |
| | 2127 WRJA-27 SC 373 | | 2355 WNOK-19 SC 392 |
| | 2130-2250 "I'm gone" | | 2358 WOLO-25 SC 380 |
| | 2252 WBTW-13 SC 408 | | 2232 WEBB-14 SC 320 |
| 10 | 0731 WCCB-18 NC 465 | | WABW-14 GA 244 |
| | WNOK-19 SC 392 | | 2259 WTVT-4 AL 299 |
| | WEBB-14 SC 320 | | 2253 WNOK-19 SC 392 |
| | WJWJ-16 SC 290 | | 2255 WIS-10 SC 387 |
| | WRJA-27 SC 373 | | 2258 WJSP-28 GA 357 |
| | WJPM-33 SC 408 | | 2300 WJBP-6 SC? T |
| | WRIK-35 SC 385 | | WRDW-12 SC? T |
| | WOLO-25 SC 380 | | WATU-26 SC? T |
| | 0732 WRDU-28 NC 523 | 17 | 0822 WABW-14 GA 244 |
| | WRFB-36 NC 465 | | WDCO-15 GA 294 |
| | 0757 WTVY-11 NC? T | | WDHN-18 AL? T |
| | 0800 WUNL-26 NC 544 | | 0823 WJSP-28 GA 357 |
| | 0802 WFTL-42 NC | | WYEA-38 GA 341 |
| | Charlotte 462 | | 0824 WMBB-13 FL 263 |
| | 0813 WDCO-15 GA 294 | | 0825 WFSU-11 FL 230 |
| | 0822 WNSC-30 SC 433 | | WRBL-3 GA 329 |
| | 0823 WNTV-29 SC 447 | | 0826 WJHG-7 FL 274 |
| | 2342 WCHD-2 SC 306 | | 0827 WCTV-6 FL? T |
| | WRBL-3 GA 329 | | 0828 WALB-10 GA 244 |
| | WCIV-4 SC 309 | | 2342 WATU-26 SC 337 |
| | WITV-7 SC 309 | | 2343 WRDW-12 SC 337 |
| | WJWJ-16 SC 290 | | 2344 WJBP-6 SC? T |
| | WACS-25 GA 302 | | WSAV-3 GA 242 |
| | | | 2000 WMBB-13 FL 263 |
| | | | 2002 WFSU-11 FL 230 |
| | | | WABW-14 GA 244 |
| | | | 2003 WJHG-7 FL 274 |
| | | | 0805 WYEA-38 GA 341 |
| | | | 0802 WMAH-19 MS? T |
| | | | WDHN-18 AL 301 |
| | | | 0803 KBMT-12 TX? T |
| | | | WLOX-13 MS? T |
| | | | 0805 KHOU-11 TX 857 |
| | | | 0808 KHTV-39 TX 845 |
| | | | 0814 WVUE-8 LA 525 |
| | | | 0818 KRIV-26 TX 848 |
| | | | "new calls" |
| | | | 0820 KEDT-16 TX? T |
| | | | 0836 WJHG-7 FL 274 |
| | | | 0838 WJSP-28 GA 357 |
| | | | 0840 WCIQ-7 AL 454 |
| | | | 0849 WALA-10 AL 415 |
| | | | 0900 "had to leave" |

"E-skip!!! I'd forgotten what it looked like!!! The opening of the 30th seemed to correlate with the severe weather (tornadoes, etc.) in the Midwest that day. As an aftermath of our own spell of severe weather in Florida, the Gulf opened up on the morning of May 5. Interestingly enough, the strongest and most stable signal was the most distant: KGBT-4. It was at a level on a par with WJXT-4 for about half an hour. The water path and the fact that my antenna seems to perform better on low-band helped, too. On April 6, WCTI-12 seen with 10 kHz CGI to WITV-12 (they're supposed to be 20)...a recent article in TV GUIDE stated that 21 stations have "defected" to ABC from other nets--which ones? I hope somebody gets those changes in time for the Station Guide (the FCC doesn't list net changes, apparently)...did any of you guys catch "Lucky Seven" during its brief existence? 73s & good DX."

| Jeff Wolf 1131 University Blvd. W. Apt 701 Silver Spring, Maryland 20902 | | | |
|--|---------------------|-----------------|--------------------------|
| <u>October 1977 (EDT/EST)</u> | | <u>December</u> | |
| 28 Es | 1059 KATC-3 LA 1000 | 3 Es | 1800 KUSD-2 SD 1050 |
| | 1130 KBTX-3 TX 1245 | | 1958 KARD-3 KS? T |
| | 1230 KTBS-3 LA? T | 4 | 2035 unIDs 2, 3 |
| <u>November</u> | | 12 | 1700 unID-2 |
| 28 Es | 1806 unIDs 2, 3 | | 31 Es? 1753 CGI chs 2, 3 |
| | 1830 unID-3 PBS | <u>December</u> | <u>April 1978</u> |
| 29 | 1849 unID-2 PBS | 20 Es | 1804 unIDs 2, 3 |
| | | | 1845 unID-3 "word" |
| | | | 14 Es? 2115 "slight CGI" |
| | | | 27 1646 "slight CGI" |

Not listed are frequent relogs of the Norfolk and Richmond areas of Virginia with stations such as WTAR-3, WTVR-6, WAVY-10, WVBC-13, WERO-15, and WYAH-27 common. Jeff also lists fairly frequent loggings of Philadelphia and Salisbury UHF's, along with a WVPT-51 translator on ch 42.

southern fm-dx

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

JULY, 1978

-LAST SUMMER'S REPORTS STILL COMING-

ES SEASON SHAPING UP ON THE LOUSY SIDE, SO FAR

FOR REPORTERS FROM: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, MS, NC, NV, OK, SC, TN, UT, VA, & WV. Don't let this summer get by without reporting.

John M. Jefferson, 1150 Tilton Dr., Concord, CA 94520, 6-24-77 to 5-7-78

Equipment: Heathkit AJ-15 tuner with Sherwood S-7100 rx doubling as amp and backup tuner, Winegard CH-6065 FM ant. 20' up and Winegard SC-650 on a tripod in the back yard, 15' up, rotors. CH-6065 currently has had connection or circuit board-2nd time!, so I'm stuck with the 15 footer for now.

After a long silence, her's my FM dx for 6-24-77 to 5-7-78. Last summer was a good one but fall and winter were rather disappointing. My job just ate up all my time, particularly two business trips during the December meteor showers. Happy to say, I now have a new employer, with hopefully more flexible hours. Most rels are suppressed in the following: KQIZ Amarillo would show up all over the June and July ES listings, otherwise. Never thought I'd get tired of a station 1100 miles away but they made it easy with their noisy dj's and unid "Z-93." (New loggings underlined.)

Totals: 342 for Bay Area, 301 for Concord. (172 and floundering for Castro Valley.) CV is unfortunately in the primary signal areas for some 30 stations, and is useful only because it gives me access to the central California coast. Stations like WRUZ Santa Barbara are occasionally of recording quality—stereo, not DX—in CV, but are just receivable in Concord. That's the big reason why I don't ignore the FM when visiting there, and the strong signals are why I refuse to live there.

| | | | | | | | |
|------------|------------|-------|----|---|------|--|--|
| 6-24-77 | | | | | | | |
| Es 1545 | KGRE | 92.3 | CO | Greeley, ad | 930 | Es 2010 | KRBC 94.7 OK Oklahoma City, ID, ad |
| 1547 | KUAD | 99.1 | CO | Windsor, ID | 930 | 7-27, last Es | of the season, alas! |
| 1550 | KBRU | 101.7 | CO | Ft Morgan, ad | 970 | 1145 | KMPY 99.1 NM Clovis, ID |
| 1555 | KLEN | 106.3 | WY | Cheyenne, ID | 930 | 1200 | KSNM 95.5 NM Santa Fe, ID |
| 1600 | KIOZ | 102.9 | WY | Laramie, WY wx | 890 | 1225 | KACV 89.9 TX Amarillo, ID, o/KAN 1115 |
| 1600 | KPCB | 97.9 | WY | Cheyenne, ID | 930 | 1230 | KTNM 92.7 NM Tucumanari, ID |
| 1615 | KRAI | 93.7 | CO | Craig, ad | 790 | 8-12 | |
| 1615 | KOSW | 96.5 | WY | Rock Springs, local | 730 | Ms 0405 | KOOL 94.5 AZ Phoenix, ID |
| | references | | | | 915 | 0440 | KAFM 92.5 TX Dallas, CI (on a rock stn?-confirmed) |
| 1630 | KOAQ | 103.5 | CO | Denver, wx | 915 | 0505 | KPGK 92.5 MT Butte, ID |
| 7-1 | | | | | | 9-25 | |
| Es 1846 | KMYR | 93.7 | SD | Winner, ID | 1215 | Tr 1900 | KPFK 90.7 CA LA, ID |
| 1848 | KYAK | 93.5 | WY | Riverton, sm. | 790 | 2150 | KBIG 104.3 CA LA, ID |
| 1902 | KBVL | 94.7 | CO | Boulder, ID | 900 | 10-1 | |
| 1850-1910, | | | | | | Tr 0005 | KBEG 90.9 CA Turlock, 10 w., new |
| | | | | | | 11-10 | |
| | KUED | 89.7 | SD | Vermillion, CI, ID | 1340 | Tr 2155 | KRJB 97.7 CA Monte Rio, ID |
| 1910 | KLOO | 106.1 | KS | Lyons, BB | 1270 | 11-19, | in Castro Valley (18 miles SSW of Concord) |
| 1910 | KOHU | 104.1 | SD | Yankton, "Q100" | 1340 | Tr 0800 | KAZU 90.3 CA Pacific Grove, 10 w. 74 |
| 1915 | KSTC | 96.7 | CO | Sterling, ID | 1000 | 11-25, | back in Concord |
| 1920 | KRCM | 95.5 | IA | Sioux City, wx | 1365 | Tr 0045 | KEDR 89.1 CA Merced, ID, (10 w., 96 |
| 1925 | KSKG | 99.9 | KS | Salina, wx | 1295 | never though I'd get this one, 50kw KAMB | Merced is no power house) |
| 1950 | KRVN | 93.1 | NE | Lexington, ID | 1150 | 0552 | KBOW 94.1 MT Butte, ad |
| 2005 | KCMW | 90.9 | MO | Warensburg, ID | 1510 | 12-16, | Gw in Castro Valley |
| 2010 | KXCV | 90.5 | MO | Maryville, cl | 1440 | Gw 1335 | KLEL 89.3 CA San Jose, ID (over KO 25 |
| 7-6 | | | | | | HL, Fremont and KPFK, Berkeley | |
| Es 1330 | KWBE | 92.9 | NE | Beatrice | 1340 | 1-2, 78, | in Concord |
| 7-13 | | | | | | Ms 0230 | KSOP 104.3 UT Salt Lake City, wx |
| Es 2200 | KIPC | 91.5 | NM | Albuquerque, ID | 860 | 3-3 | |
| 2208 | KRST | 92.3 | NM | Albuquerque, ID, 860 | | Gw 2100 | KMIY 98.3 CA Turlock, ID, new stn. 72 |
| | | | | "The Crust" | | 5-7, | first Es of the new season! |
| 7-18 | | | | | | Es 1830 | KMLS 93.1 KS Pratt, ID, new calls |
| Es 1510 | KERF | 98.3 | WY | Torrington, ID | 955 | | (ex-KWNS) |
| | | | | as "Kerm Country" (now have at least one logging on all 100 std. frequencies. | | | 1225 |

Rick Samford, 404 S. McNeill, Burnet, TX 78611 4-30 to 6-4-78 (CDF)

Equipment: Kenwood KR-5400 rx, 10-el, Archer FM with Belden #8230 T-line at 24 ft. and Alliance U-100 rotor.

To begin with, I'd like to explain an error that I made in last month's report. On 4-23 I noted that KOBS 104.5, Orange, TX had changed its CL to KZMR; it turns out that the new CL is KZOM. Since the signal was weak to begin with (and KTRB in San Antonio usually screws up that frequency for me) I apparently misinterpreted "KZOM-Orange" as KZMR. This probably is the first time this situation has arisen, and it probably won't be the last, but I'll continue to strive for greater accuracy in reporting. By the way,

-cont.-

this station uses a "Zcom 104 and a half" non ID. Now, on to my more recent DX: there hasn't been much. If April tropo was termed disappointing, then I'll have to say that tropo fell flat on its face during May. Some of the mid-May tropo had good signal, but there wasn't much heard. It looks as though the true Gulf trop season ended with the 5-16 opening, as we're now into mid-summer trop conditions. May was warmer and drier than normal with the temp. on the biggest DX day for '78 thus far (5-12) hitting 101 degrees before the cool front that eventually helped to set off the 5-15-16 ducting to FL passed through later that evening. Hasn't been that hot since, but will be by the time this appears in print. At least we've missed the spring storms, which other nearby places haven't. As bad as the tropo has been, skip has been much worse. As you can see, there was only one good day (but it was of the intense June variety) and I wish I could have stayed at the dial for seven hours straight. May skip was way below the '77 levels and June is starting out with the same low MUF openings. I've seen some skip on the TV but very few in IDs in the ed. FM band. Let's hope things pick up very quickly.

4-17

tr 2211 KWDG 96.7 OK Idabel 290
Addenda to last month's report

4-30

tr 0859 KRLG 98.1 OK Lawton 260
Es 2005 WBCI 96.5 VA Williamsburg 2009
2011 WEVQ 94.5 VA Richmond 2011
2018 WRPK 106.5 VA Richmond 2018
2018 WBEI 92.7 VA Abingdon

5-1

tr 0808 KDUV 100.3 TX Brownsville 340
0810 KRIX 99.5 TX Brownsville 340
0830 KHJD 98.9 NL Monterrey 365

5-4

tr 2258 KDUV 100.3 TX Brownsville 340
2304 KRIX 99.5 TX Brownsville 340

5-5

tr 0740 WQSR 102.5 FL Sarasota 995
0812 KTDY 99.9 LA Lafayette 385
0820 KRIX 99.5 TX Brownsville 340
2214 WAFB 98.1 LA Baton Rouge 435
2218 WWL 101.9 LA New Orleans 500
2223 WAFB 107.3 FL Pensacola 665
2228 WEZB 97.1 LA New Orleans 500
2235 WRBQ 104.7 FL Tampa 985
2240 WPMF 107.9 FL Panama City 765
2243 WXEL 105.3 LA Slidell 520
2245 WPCS 89.3 FL Pensacola 665
2300 KTDY 99.9 LA Lafayette 385
2307 KLGL 99.5 LA Lake Charles 310
2325 WPMF 102.5 LA Baton Rouge 435
2345 WXEM 102.7 FL Milton 680
1st tr over s.-l. KTFM but not the last

5-6

tr 0013 WYNK 101.5 LA Baton Rouge 435
0120 WDDP 101.5 FL Pensacola 665
0326 KHJD 98.9 NL Monterrey 365

5-7

tr 0021 KRIX 99.5 TX Brownsville 340
0030 KHJD 98.9 NL Monterrey 365
0847 XHMN 107.7 NL Monterrey
0903 XHSRO 92.5 NL Monterrey

5-9

tr 2235 KDUV 100.3 TX Brownsville 340
2305 KRIX 99.5 TX Brownsville 340

5-10

tr 0830 KHJD 98.9 NL Monterrey 365
2200 KZOM 104.5 TX Orange 270
not KZMR as previously listed.
2230 KLGL 99.5 LA Lake Charles 310

5-12

tr 0742 KNOE 106.9 OK Clinton 325
0743 KOFM 104.1 OK Oklahoma City 325
0748 KKXY 96.1 OK " " "
0751 KECB 94.7 OK
0758 KZUE 102.7 OK
0759 KFJL 98.9 OK
0801 KATT 100.5 OK
0804 KAEZ 107.7 OK
0815 KNID 96.9 OK Enid 385
0829 KPNB 101.9 OK Oklahoma City
0842 KRLG 98.1 OK Lawton 260

Tr 0855 KOSH 91.7 OK Stillwater 370

Es 0900 WMBI 90.1 IL Chicago

1132 KLKL 96.1 SD Watertown

1135 KEHL 95.3 NE Lincoln

1139 KQNE 98.7 MN Moorhead

1141 KTLR 95.9 IA Estherville

1204 KPMO 93.5 MN Benson

1208 KNUJ 93.1 MN Pine City

1213 KEME 98.3 IA Emmetsburg

1215 KDWE 101.3 MN Richfield

1216 KEEY 102.1 MN St. Paul

1220 KYSM 103.5 MN Mankato

1221 KRPO 104.9 MN Owatonna

1223 WEVR 106.3 WI River Falls

1224 KABQ 105.5 MN Cambridge

1232 KADS 99.9 MN Austin

1235 WJFO 98.1 MN St. Cloud

1236 KLGR 97.7 MN Redwood Falls

1238 KPRM 97.5 MN Park Rapids

1245 KTCR 97.1 MN Minneapolis

1248 KEZZ 94.3 MN Aitkin

1300 WWSA 89.9 WI Brule

1303 KAQH 94.9 MN Duluth

1307 KDHL 95.9 MN Faribault

1309 WAKX 98.9 MN Duluth

1316 WCCO 102.9 MN Minneapolis

1319 KEEY 99.1 MN Mankato

1331 WJMC 96.3 WI Rice Lake

1347 KSTP 94.5 MN St. Paul

1539 KBRK 94.3 SD Brookings

1543 KNAV 101.7 ND Mayville

1546 KDDQ 92.9 ND Grand Forks

1549 KSTN 93.3 ND Jamestown

5-14

tr 2229 KRIX 99.5 TX Brownsville

2300 KDUV 100.3 TX Brownsville 340

5-15

tr 0003 KHYS 98.5 TX Fort Arthur 260

0009 KTDY 99.9 EA Lafayette 385

0032 WEZB 97.1 LA New Orleans 500

0044 KLCL 99.5 LA Lake Charles 310

0050 KGRA 103.7 LA Lake Charles

0055 KROF 104.9 LA Abbeville 380

0059 WXEL 105.3 LA Slidell 520

0733 KLGL 99.5 LA Lake Charles 310

0734 WPMF 102.5 LA Baton Rouge 435

0738 KTDY 99.9 LA Lafayette 385

0745 WYNK 101.5 LA Baton Rouge 435

0759 WJNO 89.9 LA New Orleans 500

0801 WEZB 97.1 LA New Orleans

0802 WXEL 105.3 LA Slidell 520

0817 KQKI 95.3 LA Bayou Vista 435

0824 KCIL 107.1 LA Houma 470

2246 WEZB 97.1 LA New Orleans 500

2257 WQSR 102.5 FL Sarasota 995

2306 WPMF 102.5 LA Baton Rouge 435

2309 WRBQ 104.7 FL Tampa 985

2335 WXEL 105.3 LA Slidell 520

2352 KTDY 99.9 LA Lafayette 385

2359 KOGM 107.1 LA Opelousas 380

Tr cont.

| | | | | | |
|----------------------------------|---------------------------------|----------------------------------|--|----------------------------------|-----|
| 5-16 | tr 0014 KROF 104.9 LA Abbeville | 330 | 5-20 | tr 0000 KTDY 99.9 LA Lafayette | 385 |
| | 0021 WYMK 101.5 LA Baton Rouge | 435 | | 0756 KTDY 99.9 LA Lafayette | |
| | 0716 WZLB 97.1 LA New Orleans | 500 | | 0758 KZDM 105.5 TX Orange | 270 |
| | 0718 KCLL 107.1 LA Houma | 470 | | 0804 KOFM 104.1 OK Oklahoma City | 325 |
| | 0721 WQSR 102.5 FL Sarasota | 995 | | 0814 KLLL 96.3 TX Lubbock | 290 |
| | 0728 WAFB 98.1 LA Baton Rouge | 435 | | 0815 KLEK 96.5 TX Lubbock | |
| | 0733 WPMF 102.5 LA " | | 5-21 | tr 0759 KTDY 99.9 LA Lafayette | 385 |
| | 0736 WYMK 101.5 LA " | | 5-22 | tr 0005 KTEZ 101.1 TX Lubbock | 290 |
| | 0746 KLEK 94.5 TX Lubbock | 290 | | 0823 WAFB 98.1 LA Baton Rouge | 435 |
| | 0802 KHOK 104.1 LA Houma | 470 | | 0835 KLLL 96.3 TX Lubbock | 290 |
| | 0815 KLAS 101.9 TX Amarillo | 365 | | 0836 KLEK 94.5 TX Lubbock | |
| | soon covered by KQMT in S. A. | | | 0841 KTDY 99.9 LA Lafayette | 385 |
| | 0830 KLLL 96.3 TX Lubbock | 290 | Es 1354 KOLY 99.5 SD Moberidge | | |
| | 0842 KTDY 99.9 LA Lafayette | 385 | 1358 KYYY 92.9 ND Bismarck | | |
| | 0900 WUSE 89.7 FL Tampa | 985 | tr 2130 KRLG 98.1 OK Lawton | 260 | |
| | previously by Es | | 2158 KLEK 94.5 TX Lubbock | 290 | |
| | 2153 KGRA 103.7 LA Lake Charles | 310 | 2200 KLLL 96.3 TX Lubbock | | |
| | 2158 WPMF 102.5 LA Baton Rouge | 435 | 2325 KOFM 104.1 OK Oklahoma City | 325 | |
| | 2200 WAFB 98.1 LA Baton Rouge | | 5-23 | | |
| | 2213 KFFA 105.5 LA Franklin | 420 | tr 0730 WKOS 100.3 FL Plantation Key | 1150 | |
| | 2217 KTDY 99.9 LA Lafayette | 385 | 0805 WMCU 89.7 FL Miami | 1150 | |
| | 2230 KQKI 95.3 LA Bayou Vista | 435 | previously by Es | | |
| | 2245 WZBZ 97.1 LA New Orleans | 500 | tr 0824 KTCM 99.9 NM Clovis, first heard | 380 | |
| | 2257 WQUE 93.3 LA New Orleans | | while yagi still aimed at Miami | | |
| | 2305 KOGM 107.1 LA Opelousas | 380 | 0826 KLEK 94.5 TX Lubbock | 290 | |
| | 2309 WRBQ 104.7 FL Tampa | 985 | 0830 KLLL 96.3 TX Lubbock | | |
| | 2341 WKEL 105.3 LA Slidell | 520 | 0848 KYNK 94.1 NM Humble City | 325 | |
| 5-16 | | | 0857 KWGO 99.5 TX Lubbock | 290 | |
| tr 0738 KQYL 97.9 TX Odessa | 255 | 5-24 | | | |
| 0745 KLLL 96.3 TX Lubbock | 290 | tr 0801 KTAL 98.1 TX Texarkana | 305 | | |
| 0752 KHGX 96.7 TX Sweetwater | 175 | 2155 KLEK 94.5 TX Lubbock | 290 | | |
| 0758 XHJD 98.9 NL Monterrey | 365 | 2200 KLLL 96.3 TX Lubbock | | | |
| 0816 KLEK 94.5 TX Lubbock | 290 | 5-25 | | | |
| 5-18 | | tr 0734 KLLL 96.3 TX Lubbock | | | |
| tr 0734 WAFB 98.1 LA Baton Rouge | 435 | 0747 KTAL 98.1 TX Texarkana | 305 | | |
| 0742 XHPJ 106.9 NL Monterrey | 365 | 5-27 | | | |
| 0758 WZBZ 97.1 LA New Orleans | 500 | tr 0820 KRLG 98.1 OK Lawton | 260 | | |
| 2200 WAFB 98.1 LA Baton Rouge | 435 | 5-28 | | | |
| 2212 KTDY 99.9 LA Lafayette | 385 | tr 0835 WAFB 98.1 LA Baton Rouge | 435 | | |
| 5-19 | | 0841 KTDY 99.9 LA Lafayette | 385 | | |
| tr 0730 WJMI 99.7 MS Jackson | 500 | 0852 KZOM 104.5 TX Orange | 270 | | |
| 0746 WLIN 95.5 MS Jackson | 500 | | | | |
| 0748 KTAL 98.1 TX Texarkana | 305 | | | | |

Kenneth R. Simon, 528 Pilgrim Rd, West Palm Beach, FL 33405 6-14-77 to 5-29-78

Equipment: Kenwood KT-7001 tuner

6-14-77

| | |
|---|--|
| Es 1445 WOI 90.1 IA, Cl, id | |
| 1448 WCBU 89.9 IL Peoria, Cl, ID | |
| 1503 KOEL 92.5 IA Oelwein, nx, ID | |
| 1508 WPTH 95.1 IL Depue, ads | |
| 1513 KCKN 94.1 MO Kansas City, ID | |
| 1522 WNAF 93.1 IN Indianapolis IND PSA | |
| 1530 WSVL 97.1 IN Shelbyville, ID, wx | |
| 1534 WESI 101.5 IN Columbus, ID | |
| 1554 KCKK 93.3 IA Des Moines, ID, rk | |
| 1554 WSEI 92.9 IL Olney, ID, ts | |
| 1600 KUNI 90.9 IA Cedar Falls, ID | |
| 1606 KJAN 103.7 IA Atlantic, ID | |
| 1712 KLIN 107.3 NE Lincoln | |
| 1730 KMBR 99.7 MO Kansas City, ID, ads | |
| 1732 KAOL 101.1 MO Carrollton, MO nx | |
| 1740 TGHR 98.6 Radio Mundial Gratemala City, SS, ID | |
| 1757 unid 98.7 gospel | |

6-15

? 0455 W272 102.3 FL West Palm Beach, xltr WPMI, 93.1, one watt

6-21

| | |
|--|--|
| Es 2015 90.9 unid, jazz | |
| 2020 88.3 unid, rk | |
| 2031 WKAR 90.5 MI Lansing, Id | |
| 2033 CJOM 88.7 ON Windsor | |
| 2033 WAMU 88.5 DC Washington | |
| 2041 unid, rk RIF & Safe driving spots | |

6-25

Es 1201 CJOM 88.7 ON Windsor, nx

6-25

| | |
|--|--|
| Es 1203 KFFT 90.1 TX Houston, ID | |
| 1209 WKAR 90.5 MI Lansing, nx | |
| 1210 KITY 92.9 TX San Antonio, ID, ads | |
| 1213 unid 93.5 ad for Weaver Dutch Fried Chicken | |
| 1216 WNYE 91.5 NY New York | |
| 1345 KRIS 87.75 TX Corpus Christi, tv, ad | |
| 1407 unid 87.75 spot for Tarzan Sat. at 2 | |
| 1428 KMTU 88.5 TX Denton, cl, ID | |
| 1456 KOHU 90.9 TX Dallas, sp, psa, ID | |
| 1504 unid 94.9 gospelw/ID K-WS | |
| 1509 KHCB 105.7 TX Houston, ID, REL | |
| 1516 KRBE 104.1 TX Houston, ID, rk | |
| 1517 KEMH 103.7 TX San Marcos ID, Austin wx | |
| 1530 KMTX 97.5 TX Waco, ID, wx | |
| 1533 KOKY 94.1 TX Beaumont, QXY ID | |
| 1546 unid 88.75 spot for Newswatch at 6/10 then Texas Rangers bsbl | |
| 1556 KARM 92.5 TX Dallas, ID, ts, rk | |
| 1558 KESS 93.9 TX Fort Worth, SS/EE, ID | |
| 1928 KETR 88.9 TX Commerce, ID, \$ | |
| 1944 KAKC 92.9 OK Tulsa, \$, KC 93 | |
| 1958 KTFN 93.3 OK Ada, AN/Cont, ID | |
| 2008 KGAF 94.5 TX Gainesville, ID | |
| 2015 KSUC 83.3 TX Keene, REL, ID | |
| 2042 unid 90.1 local jz show | |
| 2053 KLEJ 93.7 TX Austin | |
| 2218 unid 103.3 cw (KOUL)??? | |

6-26

Es 0907 ZEM 89.1 Hamilton Bermuda, ID, ts, ads

- 6-28-77
 tr 0712 WLEO 95.9 FL Bonita Springs, 96 sp-Q
 0713 WABA 107.3 FL St. Petersburg, ID, ads
 0719 WHHY 101.9 FL Montgomery, REL
 0843 WGLY 98.3 FL Goulds
 0847 WRCC 103.9 FL Cape Coral
 0849 WRBC 104.7 FL Tampa, Q105
- 7-1
 Es 1741 KSMU 91.1 MO Springfield, ID
- 7-2
 Es 1515 WPEZ 94.5 PA Pittsburgh, 94FM, ts
 " KDKA 92.9 PA " 93
 WQED 89.3 PA " cl, phonein
 1949 unid 91.1 c. abt Haydn
 1950 unid 90.5 Dolby test
- 7-3
 Es 1030 unid cl Janacek
 1026 unid 90.9 rel, ann. abt churches
 in MA and CT
 1047 WUSB 90.1 NY Stony Brook
 1049 unid 93.5 ad abt rt. 44 in Brain-
 ard MA?
 1840 WBEK 93.3 OH Chillicothe, id, ad
 1840 WMYO 93.7 OH Mt. Vernon, ID, ad
 1845 WDEB 94.9 OH Medina, ID, ad
 1847 WPHG 96.9 VA Bristol, ID, ad
 1856 WMRN 106.9 OH Marion, "Marion"
 1900 WBEA 107.3 OH Wlyria, ID
 1936 WCHC 92.5 OH Toledo, ID, ads
 1933 CKGN 87.75 ON Paris, TV, ID
 1944 WJOI 93.7 PA Pittsburgh, ad
 1954 WZAK 93.1 OH Cleveland, ID
 " WPAT 93.1 NJ Patterson, ID
 2002 WRMU 91.1 OH Alliance, REL
 2027 WECB 90.3 IN Ft. Wayne, ID
 2030 WAMU 88.5 DC Washington, ID
- 7-12
 Es 1825 WVUB 91.1 IN Indianapolis, ID#91
 1831 WMBI 90.1 IL Chicago
 WILL 90.9 IL Urbana, cl, \$91
 1838 KMGK 93.3 ID Des Moines, ad(fair)
 1840 KUNI 90.9 IO Cedar Falls
 1848 KSLN 91.5 MO St. Louis, ns
 1850 KXCV 90.5 MO Marysville, id, wx
 ? 2015 unid 100.3 beautiful mx now on'o/WDIZ
- 7-20
 tr 2017 98.7 WLQY, Ft. Pierce Q-99, oper-
 ating without studio power but from outside
 with battery powered mike into land lines
 to tower site...contest for farthese..(as
 of 9pm I'm the winner of a \$25 gift cert.)
 I know DXing would pay off and I even got
 to hear my name over the air!!! (Life is
 full of neat surprises..(Didn't win).
- 7-27
 Es 2024 unid 90.5cl violin mx (90.7)?
NEWLY IDENTIFIED:
 6-25-77 1730 KQKY 94.1 Beaumont, TX
 7-3-77 1954 CHAY 93.1 Barrie, ON
 7-27-77 2123 WIZM 93.3 Lacrosse, WI (T)

Editor's note: A portion of Simon's report, 11-24-76 to 6-12-77 was left out because of its age. Simon might try reporting his numerous finds to the CCI column.
 -Tom Tomlins of Dade City, FL writes of receiving first dx on his new Sony CRF-320 commu. rx (WSCI Charleston, SC and WZAT Savannah, GA) and asks if night or day is best for dxing FM. I'd say there is no best time of day to dx FM; it can happen any time especially now that the skip season is peaking.

Pat Dyer, 5315 Silvertip Dr. San Antonio, TX 782286 6-26-77 to 10-28-77

Hallcrefters SX-62 with International Crystal model SAX-1 preamplifiers; Archer 6-el. FM ant. at 20' with rotor, some 107.7 & 107.9 loggings on a Heath GR-98. (t-tentative)

- Jy 24 tr 2343 KENS 96.1 LA 325
 2354 WYNK- 101.5 LA 450
 26 Es 0949 KEYA t 88.5 ND 1335
 0955 KBEM 88.5 MN 1110
 tr 0959 KCHI 89.3 TX 250

- 7-27-77
 Es 2100 unid 91.1 dram. char. ls. NPR earplay?
 2102 unid 90.9 ann. abt album by Touch
 2116 unid 90.9 jz/sl, ID ---91
 2122 unid 90.9 cl
 2145 unid 93.7 Brewers/Red Sox bbl
 2153 unid 93.3 rocker and Chiderman92 dif.
 2200 KXCV 90.5 MO Marysville, ID
 2200 KWKI 93.3 MO Kansas City, ID

7-29

- Es 1912 unid 89.3 musica en espanol
 1935 WFBQ 94.7 IN Indianapolis, nx 'Q'
 1939 KJLS 103.3 KS Hays, ads
 1950 KJTS 95.1 KS Wichita, ads, cw
 1954 WKYQ 92.3 KY Paducah, Q wx, CDT
 2020 KAOL 101.1 MO Carrollton, ad, bbl
 2032 unid 99.5 soft mx under WQYK CRM

7-30

- Es 1824 KLEJ 93.7 TX Austin, wx: ID

8-2

- Es 1928 WETA 90.2 DC Washington, cl, ID
 WESP 90.9 NC Warrenton, NC nx

9-24

- tr 0910 WPUZ 93.7 FL Ocala, ads (mobile 18 m
 N. of Jupiter, FL on I-95)

10-29

- gw 0700 W272--WPB 102.3 (WTMI) (mobile Hypo-
 luxe exit I-95)

11-7

- gw WIRS 90.7 FL Boynton Beach, \$--testing
 with voice over cl mx on new freq at less
 than \$3 Kw authorized while WIRS 91.7
 still on with three Kw.

5-12-78

- Es 1344 unid 88.5 REL, talk abt bks w/ Brit-
 ish accent--\$
 1350 KJLC 88.5 MO Kansas City, cl w/ID
 Am Inmf. nx (NOW..it sure is nice to know
 there is such a thing as Es after a
 loooong dry spell!)

5-23

- Es 1529 WEEA 88.9 MD Baltimore, IB
 1540 unid 89.1 prm abt organ mx
 1610 unid 89.5 soft w/AGI de WMCU
 1724 WPNB 89.3 WI Green BAY state nx, wx
 1800 WVPN 88.5 WV Charleston
 WVPB 88.9 WV Buckhannon, ID
 1805 unid 89.3 \$-Cameo Concert Cl
 1834 WAMU 88.5 DC Washington, spot for nx
 1902 WSKG 89.3 NY Binghamton, ID
 1924 unid 87.75 end crossword then Candid C.

5-28

- Es 1542 unid 88.9 Salsa EE/SS (\$-tr
 1544 unid 88.9 soft piano jazz

5-29

- Es 1338 unid 89.1 \$ mod. Cl
 unid 88.9 rock
 1345 unid 89.5 talk
 1353 unid 89.7 CL-Water mx over semi-
 local WMCU
 1354 WYSU 88.5 OH Youngstown, ID

| | | | | | | | | | | | |
|----------|-----------------------|----|------------|----|------|----------|------------------------|-----------------|-----------------|--------------|--------|
| | 1558 WERN | t | 88.7 | WI | 1065 | | 1644 WSFL | 106.5 | NC | 1305 | |
| | WPNE | -t | 89.3 | WI | 1190 | | 1646 WPEG | 97.9 | NC | 1120 | |
| | WLVE | t | 94.9 | WI | 1085 | | 1650 WOKN | 102.3 | NC | 1260 | |
| | 1559 WDUZ | - | 98.5 | WI | 1190 | | 1653 WSLC | 103.7 | NC | 1315 | |
| | WEOR | -t | 93.9 | WI | 1225 | | (1655-1830 with VOR's; | | | | |
| | 1610 f/out | | | | | | reports of | 145 mhz | from Carolinas) | | |
| | 1730-35 | | | | | | 1659 WBT | 107.9 | NC | 1105 | |
| | KFJM | - | 89.3 | NC | 1240 | | 1759 WNOT | 107.7 | NC | 1295 | |
| | 1955-2000 unIDs | | 88.1, 89.5 | | | | 1815 WIVK | 107.7 | TN | 990 | |
| 27 Es | 1005-1010 unIDs | | 89.5, 89.3 | | | | 1830 WZZS | 103.7 | VA | 1325 | |
| | 1045-1130 unIDs | | to 98.3 | | | | 1831 WKDE | 105.5 | VA | 1225 | |
| | 1100 WSCI | t | 89.3 | SC | 1120 | | 1833 WARG | 103.3 | VA | 1205 | |
| | WPXI | t | 95.1 | SC | 1120 | | 1834 WAVA | 106.3 | VA | 1045 | |
| | 1118 WBEW | t | 88.9 | TN | 865 | | 1835 WXIS | 103.9 | TN | 1035 | |
| | 1119 WBYN | | 89.7 | TN | 865 | | 1836 WPAY | 104.1 | OH | 1095 | |
| | 1210-40 unIDs | | 88-95 | | | | 1837 WKRA | 105.9 | VA | 1365 | |
| | 1240 WJPD | - | 92.3 | MI | 1315 | | 1838 WSWV | -t | 105.5 | VA 1020 | |
| | 1243 WHNL | t | 95.7 | MI | 1320 | | 1842 WSGS | 101.1 | KY | 1035 | |
| | WJML | - | 98.9 | MI | 1320 | | 1843 WAVA | 105.1 | VA | 1375 | |
| | 1250 WJMT | - | 93.5 | WI | 1190 | | 1844 WEZR | 106.7 | VA | 1355 | |
| | 1252 WTMB | - | 98.9 | WI | 1100 | | 1858 WHEZ | 103.3 | WV | 1100 | |
| | 1256 WSPT | - | 97.9 | WI | 1150 | | WSIP | - | 98.9 | KY 1065 | |
| | WIGM | | 99.3 | WI | 1170 | | 1902 WPVR | 94.9 | VA | 1195 | |
| | 1258 WDLB | - | 106.5 | WI | 1145 | | WDOC | -t | 95.5 | KY 1065 | |
| | 1302 WFNR | | 96.5 | WI | 1100 | | 1904 WFLS | 93.3 | VA | 1340 | |
| | 1305 WXRO | | 95.3 | WI | 1105 | | 1905 WRVQ | t | 94.5 | VA 1325 | |
| | 1306 WDOF | - | 93.9 | WI | 1225 | | 1920 WPTW | | 95.7 | OH 1085 | |
| | 1307 WKCQ | | 98.1 | MI | 1250 | | WBEX | - | 93.3 | OH 1110 | |
| | 1314 WTTN | - | 94.1 | WI | 1090 | | 1922 WPEZ | | 94.5 | PA 1280 | |
| | 1315 WDUZ | - | 98.5 | WI | 1190 | | 1923 WGCL | t | 98.5 | OH 1250 | |
| | 1320 WYEN | | 106.7 | IL | 1050 | | 1926 WURD | t | 97.7 | OH 1055 | |
| | 1329 WLPO | - | 99.3 | IL | 975 | | 1929 WBPB | t | 98.7 | MI 1225 | |
| | 1332 WZUU | | 95.7 | WI | 1100 | | 1930 WMZK | | 97.9 | MI 1225 | |
| | 1341 WMBI | -t | 90.1 | IL | 1045 | | | | | | |
| | 1402 f/out | | | | | Jy 29 Es | 1931 WHFI | | 94.1 | MI 1180 | |
| | 1655-1705 unIDs | | to 90.7 | | | | soon f/out | | | | |
| | 1930-1955 unIDs | | to 99 | | | 30 Es | 1335 TGRT | | 88.8 | Gu 1120 | |
| | 2001 WBCI | | 96.5 | VA | 1360 | | 1342 - | t | 96.1 | Gu 1120 | |
| | WSTS | | 96.5 | NC | 1165 | | 1347 - | t | 98.6 | Gu 1120 | |
| | WQSM | | 98.1 | NC | 1200 | | 1404 - | t | 88.1 | Gu 1120 | |
| | 2007 WMZQ | | 98.7 | DC | 1385 | | 1450 WMJX | | 96.3 | FL 1150 | |
| | 2015 WPXI | | 95.1 | SC | 1120 | | 1454 WVOG | t | 99.9 | FL 1150 | |
| | 2016 WXTC | t | 96.9 | SC | 1120 | | 1458 WEDR | t | 99.1 | FL 1150 | |
| | 2034 WBBU | - | 98.7 | SC | 1075 | | WWWL | | 93.9 | FL 1150 | |
| | 2047 WHHR | | 106.3 | SC | 1070 | | 1459 WSWN | - | 93.5 | FL 1110 | |
| | 2052 WOLA | - | 107.1 | GA | 1000 | | 1505 WOKP | | 95.7 | FL 960 | |
| | 2057 WSFL | | 106.5 | NC | 1305 | | 1507 WFLA | -t | 93.3 | FL 985 | |
| | 2100 WTSP | - | 95.7 | NC | 1190 | | 1510 WYNF | | 94.9 | FL 985 | |
| | 2107 WAMX | | 93.7 | KY | 1095 | | 1518 WVFM | | 94.1 | FL 1010 | |
| | 2115 WBBQ | -t | 93.3 | NC | 1050 | | 1520 WJAX | - | 95.1 | FL 1015 | |
| Jy 27 Es | 2115-2145 unIDs | | to 98 | | | | 1521 WBCW | | 98.9 | FL 855 | |
| tr | 2145 KQXY | | 94.1 | TX | 275 | | WQIK | t | 99.1 | FL 1015 | |
| Es | 2150 WXLY | | 93.5 | MS | 580 | | 1522 WAIV | | 96.9 | FL 1015 | |
| | soon f/out | | | | | | 1523 unID | | 105.9 | (MUF) | |
| 28 Es | 1428 WVPE | | 88.1 | IN | 1005 | | WGVL | t | 105.5 | FL 975 | |
| | 1429 WJBL | | 94.5 | MI | 1150 | | WRYO | t | 98.5 | FL 965 | |
| | 1430 WJAV | -t | 96.9 | MI | 1175 | | 1529 WELE | - | 105.9 | FL 1040 | |
| | WJFM | t | 93.7 | MI | 1175 | | 1531 WQHL | | 98.1 | FL 930 | |
| | 1432 WYCA | t | 92.3 | IN | 1040 | | 1533 WELR | - | 95.3 | FL 820 | |
| 29 Es | 0957 WMPK | | 88.1 | SC | 1110 | | 1540 WOVV | | 95.5 | FL 1115 | |
| | 1338 WJCT | - | 89.9 | FL | 1015 | | 1550 f/out | | | | |
| | 1403 WSCI | t | 89.3 | SC | 1120 | | 1642 WCVU | t | 94.5 | FL 1050 | |
| | WPOC | t | 94.1 | GA | 1050 | | WEDR | t | 99.1 | FL 1150 | |
| | 1427 f/out | | | | | | 1649 WWWL | | 93.9 | FL 1150 | |
| | 1500-1515 unIDs | | 88-89 | | | | 1653 WLQY | t | 98.7 | FL 1115 | |
| | 1545-1600 unIDs | | to 95's | | | | 1659 WINZ | - | 94.9 | FL 1150 | |
| | 1602 WMOU | -t | 94.5 | SC | 1010 | | 1701 WVOG | t | 99.9 | FL 1150 | |
| | WRNS | | 95.1 | NC | 1275 | | 1704 WFLA | -t | 93.3 | FL 985 | |
| | 1604 WQSL | | 98.1 | NC | 1200 | | 1754 WMOU | | 89.7 | FL 1150 | |
| | 1607 WFLA | | 105.5 | NC | 1195 | | tr | 2301 KWIC | | 107.7 | TX 275 |
| | 1612 WERL | | 96.9 | NC | 1260 | | 31 Es | 0925-0950 unIDs | | mostly 88-89 | |
| | 1615 WFLA | | 100.5 | VA | 1375 | | 0951 WBOC | | 95.5 | KY 1065 | |
| | (1615-25, with VOR's) | | | | | | 0952 WZIP | -t | 98.9 | KY 1065 | |
| | 1636 WTKR | | 104.1 | NC | 1150 | | 1001 WRSI | - | 95.9 | KY 965 | |
| | 1640 WQDR | | 94.7 | NC | 1230 | | 1004 WBNB | - | 99.3 | KY 1040 | |
| | 1642 WKTC | | 104.3 | NC | 1290 | | 1010 WSYX | | 106.3 | OH 1110 | |
| | 1643 WQTI | | 103.1 | NC | 1295 | | 1015 WVNC | | 106.1 | OH 1180 | |
| | | | | | | | 1020 WGCL | t | 98.5 | OH 1250 | |

1022 WZ2P 106.5 OH 1250
 1023 unID 106.9 (MUF)
 1029 WPTW- 95.7 OH 1085
 1030 WPRO- 99.1 OH 1190
 1034 WRTA- 98.5 OH 1100
 1047 WRAK 99.1 MI 1125
 1049 WQRC 104.3 MI 1225
 1052 WMTK 97.9 MI 1225
 1058 WKUQ 98.1 MI 1250
 1100 WLOW 97.7 IN 1100
 1118 WNIU t 89.5 IL 1020
 1122 WYCA t 92.3 IN 1040
 1144 WNRU 89.3 IL 1060
 WMBI-t 90.1 IL 1045
 1150 f/out
 1640-50 unIDs 89.1, 89.5
 1807 WZUU t 95.7 WI 1100
 WKTI t 94.5 WI 1100
 Jy 31 Es 1816 WLVE 94.9 WI 1185
 1828 WIAL t 94.1 WI 1125
 1834 WLST 95.1 WI 1230
 1841 WDUZ- 98.5 WI 1190
 1855 f/out
 tr 1903 KMXX 102.3 TX 85
 Au 2 Es 1650-1705 unIDs to 95's
 1706 KBMO- 93.5 MN 1180
 1707 KCHP- 93.5 SD 975
 1709 KPNW- 97.9 ND 1200
 1710 KMRS- 95.7 MN 1125
 1714 KQWB-t 98.7 MN 1205
 1731 KUSD- 89.7 SD 920
 1732 KESD- 88.3 SD 1020
 1745 KWYR-t 93.7 SD 960
 mostly lull to
 1825 KPCS t 89.3 CA 1185
 1826 KPOL-t 93.9 CA 1190
 1828 KLOS t 95.5 CA 1190
 1840 KXTZ t 94.1 NV 1040
 KILA t 95.5 NV 1040
 soon f/out
 3 Es 2035 KXTZ t 94.1 NV 1040
 2045 KILA 95.5 NV 1040
 2103 KERO-t 92.3 NV 1050
 9 ms 1524 KBCN 95.5 IA 910
 10 ms 1004.40 WAAG 94.9 IL 915
 11 ms 1247.10 WTTN-94.1 WI 1090
 12 Es 1700-1800 unIDs vy spotty
 88.5, 89.3, 89.7, 89.9
 1722 KSJR 90.1 MN 1135
 13 ms 1053-54 KEBC 94.7 OK 420
 Es 1155-1200 unIDs to 94.5
 1759 WIAA 88.3 MI 1255
 1821 WATZ-t 93.5 MI 1355
 1824 WELR 95.7 WI 1175
 1829 WRCI 93.5 MI 1255
 1831 WJBL- 94.5 MI 1150
 1834 WKCQ t 98.1 MI 1250
 1842 unID 107.3 (MUF)
 1843 WEVN- 106.3 WI 1110
 1845 WAKX- 98.9 MN 1250
 1859 WPTH 95.1 IN 1095
 tr 1900 AGAF 94.5 TX 300
 Es 1905 WIAL 94.1 WI 1125
 1910 f/out
 Se 15 Es 1247 KBYU t 88.9 UT 1045
 1253 KULR t 90.1 UT 1080
 1255 KALL- 94.1 UT 1080
 1315 f/out
 21 tr 1932 KTTB- 94.7 MO 615
 1935 KBFC 93.5 AR 590
 1959 WEZI 105.9 TN 635
 2038 KIOC 106.1 TX 295
 2105 KMIAG 99.1 AR 475
 22 tr 0133 KSNS 96.1 LA 325
 28 tr 0200 KIEL 95.1 TX 275
 29 tr 0012 KYKR- 93.3 TX 280

0018 KSNS 96.1 LA 325
 0055 KASPL- 95.5 TX 255
 Se 29 tr 0102 KTDY 99.9 LA 395
 Oc 28 Es 0848-59 unIDs to 95
 0848 WIL t 89.1 IN 1095
 0859 WLEU 88.9 MI 1070
 2Es ? 0912 WRCE- 94.1 PA 1445
 Ls 0923 WPNR-t 89.3 WI 1190
 0928 KCEL- 92.3 IA 985
 0929 WJMT- 93.5 WI 1190
 0930 WDLB- 106.5 WI 1145
 0936 KRCC- 106.9 MN 1000
 0941 KTVN 107.9 MN 1125
 0946 WCKR t 105.7 WI 1165
 0947 KAUS- 99.9 MN 1035
 0951 WWJO 98.1 MN 1140
 0952 KXNR 97.5 MN 1060
 0956 KTCR- 97.1 MN 1110
 0959 WPTW- 95.7 OH 1085
 1003 WRAY- 98.1 IN 870
 1010 WPNM 106.3 OH 1140
 1016 WQRS 105.1 MI 1225
 (VOR's in)
 WJZZ t 105.9 MI 1225
 1020 WWWW 106.7 MI 1225
 1025 WBJC 94.7 MI 1235
 1030 WHFI 94.1 MI 1180
 1033 WJOC- 106.1 MI 1180
 1040 WYGR t 104.1 MI 1175
 (1040, VOR's)
 1047 WLCL 107.1 IN 1030
 WPLB- 107.3 MI 1195
 1052 WUGN 99.7 MI 1255
 1057 WQLR t 106.5 MI 1140
 1059 WOOD- 105.7 MI 1175
 1100 WLNR 106.3 IL 1035
 WQJO 105.1 IL 1060
 1102 WJEZ 104.3 IL 1045
 1107 WMSU- 106.9 MI 1190
 1108 WAUR 107.9 IL 1020
 (1110-20, VOR's)
 1127 WRKR- 100.7 WI 1090
 1128 WNET 95.5 IL 1045
 WZUU 95.7 WI 1100
 1129 WZUN- 96.9 IL 1080
 1139 WQPM 93.3 WI 1100
 WIMR t 96.5 WI 1100
 1145 WDOF- 93.9 WI 1225
 1153 KSID- 95.3 NE 845
 1200 f/out
 1230-1250 unIDs 90.1, 92.3
 Nov 11 Es 1759 WUSF 89.7 FL 985
 WFLA-t 93.3 FL 985
 12 Es 1740 unIDs 88-89
 1745 WTTN- 94.1 WI 1090
 1745-
 1800 unIDs to 98.5 then
 lull to
 1825-
 1855 unIDs 88-89
 1855 KALL-t 94.1 UT 1080
 KCPX-t 98.7 UT 1080
 KPSD t 94.1 CA 1120
 1910 KBYU t 88.9 UT 1045
 1928 KULR t 90.1 UT 1080
 1931 KULR t 90.1 UT 1080
 1935 f/out
 Dec 4 tr 0338 KIEL 95.1 TX 275
 19 tr 0922 KOCI 106.5 TN 260
 0928 WELI 105.9 TN 635
 0940 KYKK 105.7 TX 310
 0943 KLUF- 105.1 TX 265
 0954 KRUQ 101.5 TX 280
 0959 KUTL 107.1 LA 475
 1004 WGLV 98.7 MS 495
 1039 KTDY 99.9 LA 395

21 Es 0905-20 unIDs 88-89
 0920 WMBW t 88.9 TN 865
 WDYN t 89.7 TN 865
 .0949 WOFM 94.9 TN 1020
 0955 f/out
 23 Es 1825 KPCS t 89.3 CA 1185
 KCSN t 88.5 CA 1210
 KWXY-t 98.5 CA 1080
 KLOS t 95.5 CA 1190
 KMET t 94.7 CA 1190
 KPOL-t 93.9 CA 1190
 1827 KHOP t 99.5 CA 1190
 KPSG t 96.3 CA 1190
 KROQ t 106.7 CA 1185
 KWST t 105.9 CA 1190
 1829 KJOI 98.7 CA 1190
 1831 KBBY 95.1 CA 1250
 1852 KPFD 94.1 CA 1120
 KI FM t 98.1 CA 1120
 KLRO t 94.9 CA 1120
 1858 KYXY t 96.5 CA 1120
 1905 f/out
 Jan 1 Es 2058 KILA t 95.5 NV 1040
 KXTZ t 94.1 NV 1040
 KORK-t 97.1 NV 1050
 2103 KENO-t 92.3 NV 1050
 2146 KLUC- 98.5 NV 1050
 2150 f/out soon

Editor's note: Oops, Please pardon my blooper with Pat's report. Notice the latter part of Pat's report was printed first. It should have started as below:

Jn 26 Es 1635-45 unIDs 88's
 1647 WRTL- 95.3 IL 945
 KDLO- 96.9 SD 1090
 (1655-1715, with VOR's)
 1717 KYGB- 104.3 KS 615
 (implies MUF 144 MHz)
 1722 KLEE- 97.7 IA 870
 1729 WSIV- 95.3 IL 915
 1732 KRFG 93.5 MO 610
 KCLN- 97.7 IA 970
 1734 WAAG 94.9 IL 915
 1743 WLBH- 96.9 IL 900
 1747 WAJP 93.5 IL 1015
 1759 KIMI 95.3 IA 855
 1810 KMCK 93.3 IA 885
 tr 1828 KYKR- 93.3 TX 280
 Es 1840 KBYU t 88.9 UT 1045
 1908 KALL-t 94.1 UT 1080
 KUPI- 99.1 ID 1215
 KMTN 96.9 WY 1175
 1918 KSIH t 94.9 ID 1195
 1922 KBLL- 97.7 ID 1215
 1933 KID-t 96.1 ID 1215
 soon f/out
 (so much in-state tropo hard to uncover the Es)
 2020-30 unIDs 89's
 2120-35 unIDs 88-89
 tr 2351 WJMI 99.7 MS 525
 Jn 27Es 0959 WSHA 88.9 NC 1230
 1031 WWVZ 93.5 SC 1110
 1034 WGBB 97.7 SC 1165
 1036 WLAZ- 99.1 GA 905
 1044 WBEU- 98.7 SC 1075
 WVHG- 96.7 GA 920
 1050 unID 107.1 (MUF)
 tr 1057 KOJI 106.5 TX 260
 Es 1110 WTOG- 94.1 GA 1050
 1117 BXTC 96.9 SC 1120
 1118 WSPA-t 98.9 SC 1035
 1122 WSGF t 95.5 GA 1050
 1134 WVOH- 93.5 GA 960
 1149 WSPT- 97.9 WI 1150

1205 KAGE- 95.3 MN 1075
 1215 WFDR- 93.3 GA 855
 1220 f/out
 1305-10 WNCU t 89.7 FL 1150
 28 Es 1201 WYWR 89.1 VA 1195
 1203 WRNS t 95.1 NC 1275
 1207 unID 95.5 (MUF)
 1212 WQDR 94.7 NC 1230
 1223 WILD- 99.3 TN 1050
 1659 WFDD t 88.5 NC 1150
 1701 WVWR 89.1 VA 1195
 1703 WLRG t 92.3 VA 1195
 1713 WRQK 98.7 NC 1175
 1718 WRVQ t 94.5 VA 1325
 1728 WIPE t 94.3 GA 870
 WPUR 97.7 GA 870
 1734 WQDR 94.7 NC 1230
 1735 WMTM- 93.9 GA 885
 Jn 28 Es 1744 WSTS 96.5 NC 1165
 1745 WUUU-94.5 SC 1010
 unID 99.9 (MUF)
 1814 WRGI-93.5 FL 1050
 1815 WCVU 94.5 FL 1050
 1821 WVOH-93.5 GA 960
 1829 WMPRT88.1 SC 1110
 1837 WYNFT94.9 FL 985
 1845 WNCUT89.7 FL 1150
 1854 WDOOT93.9 WI 1225
 1858 WKTI 94.5 WI 1100
 1900-45 unIDs 88-89 spotty
 1945 WPNET89.3 WI 1190
 WERNt88.7 WI 1065
 29 Es 1535 XHM-t 88.9 DF 690
 XEBS-t 89.7 DF 690
 XHCM-t 88.5 MO 735
 30 Es 1205 KPFD-t 94.1 CA 1120
 1210 KIFM t 98.1 CA 1120
 KYXY t 96.5 CA 1120
 1216 KALJ 95.1 AZ 970
 1220 KAIR t 94.9 AZ 750
 1222 KVIM t 93.7 CA 1070
 1228 KJOI t 98.7 CA 1190
 KWXY- 98.5 CA 1080
 1229 KGBS- 97.1 CA 1190
 1231 KMET t 94.7 CA 1190
 1301 KILA 95.5 NV 1040
 KXTZ t 94.1 NV 1040
 KENO- 92.3 NV 1050
 1302 KLUC-t 98.5 NV 1050
 KORK- 97.1 NV 1050
 1330 KCFR 90.1 CO 810
 KBVL t 94.7 CO 820
 KIMN t 98.5 CO 810
 (soon f/out)
 1426 KEVA t 88.5 ND 1335
 1431 KQDY 94.5 ND 1200
 1450 f/out (unIDs to 98.7)
 1621 WLST 95.1 WI 1230
 1623 WDUZ- 98.5 WI 1190
 1627 WDLB- 106.5 WI 1145
 (VOR's)
 1635 WOGO- 107.1 WI 1215
 1642 WDOR- 93.9 WI 1225
 1643 WJPD- 92.3 MI 1315
 1657 WQPW 93.3 WI 1100
 WTTN- 94.1 WI 1090
 1722 WZUU- 95.7 WI 1100
 1725 WKTI t 94.5 WI 1100
 1728 WKUW t 99.1 WI 1100
 1731 WELVE t 94.9 WI 1085
 1749 WAKA 98.9 MN 1250
 1759 AGGO 94.9 IA 885
 1801 KPMX 104.1 MN 1100
 1805 KNOP t 95.3 MN 1110
 1811 KTCR- 97.1 MN 1110
 WJJO t 98.1 MN 1140

| | | | | | | | | | | | | | |
|-------|----|-------------------------|--------|------------------|----|------|--------------|--------|--------|------------|------|------|-----|
| Jn 30 | Es | 1817 | ROEL-t | 92.3 | IA | 985 | 1069 | WQDR | t | 94.7 | NC | 1230 | |
| | | 1821 | KLOH-t | 98.7 | MN | 1010 | 1015 | WRQK | t | 95.1 | NC | 1105 | |
| | | 1823 | KIWA- | 105.5 | IA | 960 | tr 1020 | KQXY | | 94.1 | TX | 275 | |
| | | 1824 | KHAT | 106.3 | NE | 790 | Es 1039 | WRQK | | 98.7 | NC | 1175 | |
| | | 1826 | KYRN t | 107.9 | MN | 1125 | 1040 | MLGN t | | 90.9 | NC | 1260 | |
| | | (1827-1844, with VOR's) | | | | | 1047 | WSPA- | | 98.9 | SC | 1035 | |
| | | 1845 | KUFP- | 93.5 | SE | 975 | 1059 | WPLC- | | 95.5 | SC | 1160 | |
| | | 1850-1950 | unIDs | 88-97 | | | 1100 | WWEV | | 93.5 | SC | 1110 | |
| | | 1958 | KIYA | 88.5 | ND | 1375 | 1105 | WOLA- | | 107.1 | GA | 1000 | |
| | | | KYTN | 94.7 | ND | 1240 | tr KOOI | | | 106.5 | TX | 260 | |
| | | 2020 | WERN t | 88.7 | WI | 1065 | Es 1107 | WQGT | | 99.3 | GA | 880 | |
| | | | | | | | 1129 | WRTC | | 96.9 | SC | 1120 | |
| | | | | | | | 1148 | WLEZ | | 99.3 | SC | 1020 | |
| Jy 1 | Es | 1035-40 | unIDs | 88.9, 89.7 | | | 1152 | WFDK- | | 93.3 | GA | 855 | |
| | | 1833 | WQED t | 89.3 | PA | 1280 | 1155 | WQOS-t | | 97.9 | SC | 1075 | |
| | | 1837 | WQOD t | 93.3 | OH | 1275 | 1200 | WKRY | | 93.5 | SC | 1075 | |
| | | 1842 | WLOA- | 96.9 | PA | 1290 | 1215 | WSCI t | | 89.3 | SC | 1120 | |
| | | 1842 | WFBG t | 98.1 | PA | 1360 | 1225 | WWHK t | | 89.7 | SC | 1075 | |
| | | 1843 | WAMO- | 105.9 | PA | 1280 | (soon f/out) | | | | | | |
| | | 1849 | WSOM- | 105.1 | OH | 1265 | 1805-30 | unIDs | | to 89.5 | | | |
| | | 1854 | WSRW- | 106.7 | OH | 1080 | 2Es 1827 | WRSU | | 88.7 | NJ | 1545 | |
| | | 1859 | WQAL | 104.1 | OH | 1250 | (state #41) | | | | | | |
| | | | WVRN-t | 106.9 | OH | 1155 | 4 Es 0945-50 | unID | | 89.5 | | | |
| | | (1900-1915, with VOR's) | | | | | 1005-1010 | unIDs | | 93.7, 94.5 | | | |
| | | 1925 | WDMT | 107.9 | OH | 1250 | -13 | WCAR-t | | 92.3 | MI | 1225 | |
| | tr | 1929 | KOOI | 106.5 | TX | 260 | 6 Es 1105 | KLOH-t | | 98.7 | MN | 1010 | |
| | Es | 1932 | WBFG t | 98.7 | MI | 1225 | 1106 | KBMO- | | 93.5 | MI | 1180 | |
| | | 1940 | WMJC | 94.7 | MI | 1235 | 1110 | f/out | | | | | |
| | | 1943 | WFRL- | 98.5 | IL | 1000 | 1315 | WSCI t | | 89.3 | SC | 1120 | |
| | | 1947 | WZUU- | 95.7 | WI | 1100 | 1322 | WWWZ | | 93.5 | SC | 1110 | |
| | | | WQFM t | 93.3 | WI | 1100 | 1323 | WXTG t | | 96.9 | SC | 1120 | |
| | | | WKTI t | 94.5 | WI | 1100 | 1328 | WPKI | | 95.1 | SC | 1120 | |
| | | 1948 | WINUW | 99.1 | WI | 1100 | 1333 | WSPA-t | | 98.9 | SC | 1030 | |
| | | 1950 | WGLB- | 100.1 | WI | 1125 | 1334 | WQDR t | | 94.7 | NC | 1235 | |
| | | 1959 | KRRV | 106.5 | IA | 945 | 1350 | WFDD t | | 88.5 | NC | 1150 | |
| | | | WOSH | 103.9 | WI | 1145 | 1358 | WYVA | | 94.1 | VA | 1370 | |
| | | | WPAW- | 107.3 | WI | 1075 | 1415 | f/out | | | | | |
| | | 2005 | WGGQ | 99.3 | WI | 1115 | 1700-10 | KBYU t | | 88.9 | UT | 1045 | |
| | | 2008 | WYBR | 104.9 | IL | 1035 | KULR t | | | 90.1 | UT | 1080 | |
| | | 2011 | WTMB- | 98.9 | WI | 1100 | KALL-t | | | 94.1 | UT | 1080 | |
| | | 2012 | WEMO | 101.3 | IL | 945 | 7 Es 1108 | KQWB- | | 98.7 | MN | 1205 | |
| | | (2020-25, with VOR's) | | | | | 1124 | KEYA t | | 88.5 | ND | 1335 | |
| | | 2029 | WDMP- | 99.3 | WI | 1040 | 1127 | KPNW-t | | 97.9 | ND | 1205 | |
| | | 2059 | WOAY- | 94.1 | WV | 1150 | tr 1128 | KGAF | | 94.5 | TX | 300 | |
| Jy 2 | Es | 0830 | WMCU t | 89.7 | FL | 1150 | Es 1129 | KPJM- | | 89.3 | ND | 1240 | |
| | | 0834 | WRGI | 93.5 | FL | 1050 | 1137 | KLLC-t | | 96.9 | SD | 1090 | |
| | | 0836 | WWWL t | 93.9 | FL | 1150 | Jy 7 Es 1145 | KYTN | | 94.7 | ND | 1240 | |
| | tr | 0846 | KQXY | 94.1 | TX | 275 | | KSJM t | | 93.3 | ND | 1200 | |
| | Es | 1150 | KBRE-t | 94.9 | UT | 1005 | 1220 | f/out | | | | | |
| | | 1155 | KSUB- | 92.5 | UT | 1005 | 1311-30 | KTAK | | 93.5 | WY | 1080 | |
| | | 1216 | KXTZ t | 94.1 | NV | 1040 | 8 Es 0916 | WBHU- | | 98.7 | SC | 1075 | |
| | | 1225 | f/out | | | | 0919 | WGVV | | 105.5 | FL | 975 | |
| | | 1308 | unID | 90.1 | | | tr 0925 | KOOI | | 106.5 | TX | 260 | |
| | | 1515 | WBPG | 98.7 | MI | 1225 | Es 0930 | WELE- | | 105.9 | FL | 1040 | |
| | | | WGOL | 98.5 | OH | 1250 | 0938 | WQSM | | 98.1 | NC | 1200 | |
| | | 1518 | WWWV | 106.7 | MI | 1225 | | WLNJ t | | 94.5 | FL | 1055 | |
| | | | WPAG-t | 107.1 | MI | 1205 | | WTLN-t | | 93.3 | FL | 1040 | |
| | | 1529 | WLBC- | 104.1 | IN | 1045 | 0946 | WRYO | | 98.5 | FL | 965 | |
| | | 1531 | WXTZ | 103.3 | IN | 995 | 0952 | WQIK t | | 99.1 | FL | 1015 | |
| | | 1543 | WJOK | 106.1 | MI | 1180 | | WBGW t | | 98.9 | FL | 855 | |
| | | 1547 | WPKK | 99.1 | MI | 1195 | | WPTW-t | | 99.3 | FL | 715 | |
| | | 1549 | WOOD- | 105.7 | MI | 1175 | | 1038 | WRAS t | | 88.5 | GA | 880 |
| | | 1554 | WBCH- | 100.1 | MI | 1170 | 1045 | f/out | | | | | |
| | | 1555 | WMJC | 94.7 | MI | 1235 | 1800 | WVWR | | 89.1 | VA | 1195 | |
| | | 1558 | WJOK | 97.7 | IN | 1015 | 1803 | WLRG t | | 92.3 | VA | 1195 | |
| | | 1559 | WANG | 98.5 | MI | 1125 | 1827 | WJLM | | 93.5 | VA | 1190 | |
| | | 1601 | WQRS | 105.1 | MI | 1225 | 1837 | WLSB- | | 93.5 | VA | 1040 | |
| | | 1602 | WGRD- | 97.9 | MI | 1175 | 1841 | WRQK | | 98.7 | NC | 1175 | |
| | | 1604 | WKCC | 98.1 | MI | 1250 | 1846 | WQHM | | 94.9 | TN | 1020 | |
| | | 1612 | WJCS | 98.5 | MI | 1270 | 1853 | WROQ t | | 95.1 | NC | 1105 | |
| | | 1615 | WLRW | 94.5 | IL | 935 | 1910 | f/out | | | | | |
| | | 1615 | WLST | 95.1 | WI | 1230 | 2015-20 | unID | | 89.3 | | | |
| | | 1628 | WERN t | 88.7 | WI | 1065 | 9 Es 1050 | KEYA t | | 88.5 | ND | 1335 | |
| | | | WFME-t | 89.3 | MI | 1190 | 1052 | unIDs | | to 95.1 | | | |
| | | 1700 | f/out | (full 1645-1700) | | | 1935- | | | | | | |
| | | 2035-40 | unIDs | to 95.1 | | | 2000 | WERN-t | | 88.7 | WI | 1065 | |
| 3 Es | | 0930-1000 | unIDs | to 99.3 | | | | WPNE-t | | 89.3 | WI | 1190 | |
| | | 1005 | WQSM | 98.1 | NC | 1200 | | | | | | | |

| | | | |
|-------|-----------------|-----------|-----------------|
| 12 Es | 1740-1815 unIDs | to 93's | |
| | | vy spotty | |
| | 1816 | WNAV- | 99.1 MD 1405 |
| | 1820 | WAVA- | 105.1 VA 1375 |
| | 1825 | WVKO- | 94.7 OH 1130 |
| | 1831 | CKQS | t 94.9 On 1465 |
| | 1838 | WPGC | 95.5 MD 1385 |
| | 1842 | WPXI | 95.1 SC 1120 |
| | 1846 | WXTG | t 96.9 SC 1120 |
| | 1852 | WBEU-t | 98.7 SC 1075 |
| | 1854 | WMEV-t | 93.9 VA 1100 |
| | 1859 | WFLS- | 93.3 VA 1340 |
| | 1903 | | |
| | | CKO- | 99.1 On 1435 |
| | 1912 | WNOR-t | 98.7 VA 1375 |
| | 1919 | WKBN- | 98.9 OH 1275 |
| | 1920 | WTOF | t 98.1 OH 1235 |
| | 1922 | WHBC-t | 94.1 OH 1235 |
| | 1925 | WKYS | 93.9 DC 1385 |
| | 1929 | WXRA | 105.9 VA 1365 |
| | 1932 | WEZR | 106.7 VA 1355 |
| | 1934 | WPSI | t 107.9 MD 1405 |
| | 1958 | WXIL | 95.1 WV 1180 |
| | 2020 | WAMU | 88.5 DC 1385 |
| | 2104 | WFGM | 97.9 WV 1250 |
| | 2106 | WmKY | 90.3 KY 1050 |
| | 2107 | WIFC | t 95.5 WI 1170 |
| | 2112 | WYIYQ | 99.1 PA 1345 |
| | 2114 | WLOA-t | 96.9 PA 1290 |
| | 2116 | WAMO- | 105.9 PA 1280 |
| 12 Es | 2135 | WDUQ | t 90.5 PA 1280 |
| | 2145 | f/out | s |
| 13 Es | 0911 | WRKQ | 98.7 NC 1175 |
| | 0918 | WQDR | 94.7 NC 1230 |
| tr | 0925 | KOOI | 106.5 TX 260 |
| Es | 0926 | WFMX | 105.7 NC 1110 |
| | 0932 | WYNQ | 106.5 TN 865 |
| | 0934 | WTQR | 104.1 NC 1150 |
| | | WOFM | 94.9 TN 1020 |
| | 0938 | WQSM | t 98.1 NC 1200 |
| | | WPHG | 96.9 VA 1060 |
| | 0944 | WKPT- | 98.5 TN 1045 |
| | 0954 | WDUC- | 95.5 KY 1065 |
| tr | 0958 | KQXY | 94.1 TX 275 |
| Es | 1017 | WBZI | 95.3 OH 1085 |
| | 1027 | WMMG | 93.5 KY 920 |
| | 1029 | WGTC | 92.3 IN 950 |
| | 1052 | WZZM- | 95.7 MI 1175 |
| | 1053 | WZDQ | 95.1 IL 895 |
| | 1055 | WNET | t 95.5 IL 1045 |
| | 1101 | WDAI | 94.7 IL 1045 |
| | 1105 | WYEN | 106.7 IL 1050 |
| | 1107 | WSPY | 107.1 IL 1010 |
| | 1114 | WVCY | 107.7 WI 1100 |
| | 1125 | WBUZ- | 98.5 WI 1190 |
| | 1129 | WTMB- | 98.7 WI 1100 |
| | 1138 | WJMT- | 93.5 WI 1190 |
| | 1320-40 unIDs | 88's | |
| | 1345 | TG-- | t 88.1 Gu 1120 |
| | 1346 | TURT | 88.8 Gu 1120 |
| | 1355 | TG-- | t 94.9 Gu 1120 |
| | 1453 | unID | 88.8 (brief) |
| 14 Es | 1808 | WCAL-t | 89.3 MN 1080 |
| | | KBEL | t 88.5 MN 1110 |
| | 1812 | KSTP- | 94.5 MN 1110 |
| | 1815 | NLYC-t | 99.1 MN 1045 |
| tr | 1827 | WGAF | 94.5 TX 300 |
| Es | 2055-2100 | unID | 93.5 |
| 15 Es | 2205- | | |
| | 2210 | KATE | t 94.1 NV 1040 |
| | | KILA | t 95.5 NV 1040 |
| 18 Es | 0945-1028 | unIDs | to 95.7 |
| | 1029 | WSIP- | 98.9 KY 1065 |
| | 1048 | WOLA | 93.3 WI 1070 |
| | 1051 | KCFI | 95.3 MN 1020 |
| | 1052 | KGGG | t 94.9 IA 885 |
| | 1054 | NRAR | 97.5 IA 1060 |

| | | | |
|----------|---------------|----------------|----------------|
| 1122 | WVVA- | 98.7 WV 1240 | |
| 1128 | WPEZ | 94.5 PA 1280 | |
| 1132 | WKRAR- | 90.5 MI 1195 | |
| 1151 | WGRD- | 97.9 MI 1175 | |
| 1154 | WPTH | 95.1 IN 1095 | |
| 1155 | WLKI | 100.1 IN 1125 | |
| 1202 | WRKK | 95.3 IL 985 | |
| 1206 | WQFM | 93.3 WI 1100 | |
| | WZUU- | 95.7 WI 1100 | |
| | WKTI | t 94.5 WI 1100 | |
| 1207 | WFRW | t 96.5 WI 1100 | |
| 1209 | WTTN- | 94.1 WI 1090 | |
| 1212 | WZZM- | 95.7 MI 1175 | |
| 1219 | WmKC | 96.7 WI 1145 | |
| Jy 18 Es | 1229 | WLVE | 94.9 WI 1085 |
| | 1234 | WTMB- | 98.9 WI 1100 |
| | 1237 | KCII- | 95.3 IA 905 |
| | 1240 | WDLB-t | 106.5 WI 1145 |
| | 1250 | WLIH | 93.5 WI 1160 |
| | 1253 | WIAL | 94.1 WI 1125 |
| | 1256 | KCUR | 89.3 MO 700 |
| | 1301 | WJMT- | 93.5 WI 1190 |
| | 1327 | KSTP- | 94.5 MN 1110 |
| | | WAYL | t 93.7 MN 1110 |
| | 1330 | f/out | s |
| | 1845-50 unIDs | 88.7, 89.5 | |
| 21 Es | 0859 | WFLA- | 93.3 FL 985 |
| | 0905 | WSOR-t | 95.3 FL 1040 |
| | 0906 | WINK- | 96.9 FL 1040 |
| | 0921 | WLQY | 98.7 FL 1115 |
| | 0924 | WHLY | 106.7 FL 1010 |
| tr | 0925 | KOOI | 106.5 TX 260 |
| Es | 0926 | WHOO-t | 96.5 FL 1035 |
| | 0931 | WRYO | 98.5 FL 965 |
| | 0932 | WVFM | 94.1 FL 1010 |
| | 0934 | WOKP | 95.7 FL 960 |
| | 0935 | WGYL | 93.5 FL 1110 |
| | 0954 | WMTM- | 93.9 GA 885 |
| | 1005 | WBGW-t | 98.9 FL 855 |
| | 1010 | WLAP- | 94.5 KY 995 |
| | 1012 | WGGC | 95.1 KY 890 |
| | 1015 | WMEV- | 93.9 VA 1100 |
| | 1021 | WKPT- | 98.5 TN 1045 |
| | 1023 | WKQQ | 98.1 KY 995 |
| | 1030 | WSLM- | 98.9 IN 945 |
| | | WRAY- | 98.1 IN 870 |
| | 1032 | WPBF | 105.9 OH 1060 |
| | 1038 | WPCJ | t 93.7 OH 1070 |
| | 1059 | WYNP | 94.9 FL 985 |
| | 1054 | WFMS | 95.5 IN 995 |
| | 1059 | WQXM | t 97.9 FL 960 |
| | 1100 | WCRC | 95.7 IL 870 |
| | 1104 | WLYD | 99.9 FL 1015 |
| | 1114 | WBLE- | 105.9 FL 1040 |
| | 1121 | WQVV | 95.5 FL 1115 |
| | 1124 | WEDR | 99.1 FL 1150 |
| | 1126 | WmJY | t 96.3 FL 1150 |
| | 1129 | WYOR | 105.1 FL 1150 |
| | 1132 | WIRK- | 107.9 FL 1145 |
| | 1137 | WBJW | 105.1 FL 1035 |
| | 1146 | WRKT- | 104.1 FL 1045 |
| | | WTAI- | 107.1 FL 1090 |
| | 1148 | WCKS | 101.1 FL 1075 |
| | 1149 | WHYI | 100.7 FL 1150 |
| | 1159 | WLCY | 98.7 FL 1115 |
| | 1205 | WRBQ | 104.7 FL 985 |
| | 1211 | WRYZ- | 96.7 FL 1145 |
| | | WIRK- | 96.9 FL 1040 |
| | 1222 | WBGW | 98.9 FL 855 |
| | | WQIK | 99.1 FL 1015 |
| | 1224 | WOKP | 95.7 FL 960 |
| | 1227 | WQVU | 94.5 FL 1050 |
| | 1230 | WVFM | 94.1 FL 1010 |
| | 1232 | WELJ | 100.1 FL 1035 |
| | 1235 | WQXM | 97.9 FL 960 |
| | 1241 | WOFM | 94.9 TN 1020 |

| | | | | | |
|----------|-------------|----------|------|-------------------|-----------------------|
| Jy 21 Es | 1252 WQHM | 93.3 WI | 1100 | 1720 f/out | |
| | 1317 KGGO | 94.9 IA | 885 | 1800-25 unIDs | 88.7, 89.5, 93.5 |
| | 1320 KRIT | 96.9 IA | 955 | | very spotty |
| | 1328 KFOA- | 95.1 MN | 995 | | |
| | 1337 WAGP | 98.5 IL | 970 | 1977 WJJC | 89.1 IL 870 |
| | 1345 WRYO | 98.5 FL | 965 | 1977 WPKX-t | 97.7 IL 800 |
| | 1353 WSPT- | 97.9 MI | 1150 | 1952 unID | 99.1 |
| | 1359 KGOR | 99.9 NE | 830 | 2000 f/out | |
| | 1405 KICD- | 107.7 IA | 955 | 22 Es 1026 WMPR t | 88.1 SC 1110 |
| | 1424 KEYC- | 99.1 MN | 1045 | | unIDs to 94.1 (brief) |
| | 1430 KNWC- | 96.5 SD | 975 | T210-20 unIDs | 88-89 |
| | 1434 WJMT- | 93.5 WI | 1190 | 1221 WNIU t | 89.5 IL 1020 |
| | 1446 KLOH- | 98.7 MN | 1010 | 1224 WNUR | 89.3 IL 1060 |
| | KPNW-t | 97.9 ND | 1200 | 1225 WMBI-t | 90.1 IL 1045 |
| | 1453 KRCS | 93.1 SD | 1065 | 1228 WATI t | 94.5 WI 1100 |
| | 1501 WAYL | 93.7 MN | 1110 | 1232 WZUU-t | 95.7 WI 1100 |
| | 1505 KTIS- | 98.5 MN | 1110 | 1237 WAAG t | 94.9 IL 915 |
| | 1506 KTCR- | 97.1 MN | 1110 | 1237 WIMR t | 96.5 WI 1100 |
| | 1507 KBCT | 95.9 IA | 880 | 1245 f/out | |
| | 1519 KMRS- | 95.7 MN | 1125 | 1500-05 unIDs | 89.5, 93.5 |
| | 1525 WTMB- | 98.9 WI | 1100 | T540-1605 unIDs | 88-89 |
| | 1531 KAUS- | 99.9 MN | 1035 | 1607 WERN t | 88.7 WI 1065 |
| | 1534 WAKX- | 98.9 MN | 1250 | WPNE-t | 89.3 WI 1190 |
| | 1535 KUPI | 95.3 MN | 1020 | 1610 WIFC | 95.5 WI 1170 |
| | 1544 WWJO | 98.1 MN | 1140 | 1621 WLVE t | 94.9 WI 1085 |
| | 1554 KSTP- | 94.5 MN | 1110 | unID | 97.9 (mUF) |
| | KNOP t | 95.3 MN | 1110 | 1623 WJMT- | 93.5 WI 1190 |
| | 1555 WKLK- | 100.9 MN | 1235 | 1625 WXR0 | 95.3 WI 1105 |
| | 1624 KLGR- | 97.7 MN | 1060 | 1626 WLST | 95.1 WI 1230 |
| | 1629 KQWB-t | 98.7 MN | 1205 | 1630 f/out | |
| | 1630 KLIR- | 95.9 IA | 985 | | |

Danny Buntin, 1020 S. Duncan, Stillwater, OK 74074 5-11 to 6-11-78

Equipment: Plesier TX 9100 tuner, 10 el. Antennacraft FM ant. 34 ft. above ground.

| | | | | | |
|------------|-------|-------------------|--|-----------------------|---|
| 5-11 | | | 115mi. | 5-12 | |
| tr 2120 | KDSA | 91.1 KS | Wichita, REL, new sta. | tr 0650 | KRRO 92.1 OK Ardmore, ad, new sta. 135 |
| 2145 | KJLS | 103.3 KS | Hays, ID 235 | 0651 | KMTX 97.5 TX Waco 320 |
| 2159 | KOOY | 100.9 KS | Clay Center, ID 240 | | also noted strong showing from the Dallas-Ft. Worth stations 250 |
| 2204 | KEBI | 100.7 NE | Omaha, mx 375 | 5-14 | |
| 2225 | KNDY | 103.1 KS | Marysville, rk 265 | tr 2200 | KPNE 101.1 KS Oberlin, mx, ID 325 |
| 2345 | All 3 | Ablene, TX | st. in, strong | | Most of the other stations from the western three-fourths of KS observed. |
| 2355 | KSJT | 97.5 TX | San Angelo, mx, 370 | 5-29 | |
| SS, 5 min. | | | later heard sign-off in two languages. | Es discovered at 1441 | |
| 2400 | KCLI | 95.3 OK | Clinton, ID, EZ, 120 new on air | 1500 | KOYE 94.9 TX Laredo, ID 620 |
| 0008 | KKOK | 96.7 TX | Sweetwater, s/off 320 | 1502 | XHMK 99.3 TP Navo Laredo, SS 620 |
| 0130 | All 3 | Wichita Falls, TX | sta. in rock solid, also Lawton, OK, 180 & 135mi | 1503 | XHNM 100.3 TP Navo Laredo 620 |

Not a whole lot happening at column headquarters, dx wise. The 29th Es featured the closest Es I've heard. Actually, Es has been in a big slump since May 29. Would you believe the first 11 days of June have gone by here without producing any skip? That is in stark contrast to last year when the skip was really booming regularly.

Some vital statistics: Total logged 827 from 42 states and 10 foreign. Best states: TX 73, FL 63, MO 61, OK 59, CA 50.

typo error correction: The dates in my report in May should have read 6-10 thru 6-22-77. Until next month, 73

NEWS NOTES: Walter Patton reports the strike at Radio Quebec has forced them to go off the air except for six to eight hours of test transmissions where either their B/W with ORTQ and a fleur de lis replacing the indian head or color bars with Radio Quebec supered in large letters.

NEWS NOTES: John Combs reports the Orlando Sentinel-Star recently ran a report where WEVU-TV ran by accident 30 minutes of a film depicting naked men and women frolicking in a hay loft and shouting obscenities. It seems the distributors had sent WEVU-TV the wrong film instead of a movie starring Lloyd Bridges.

NEWS NOTES: From MELBOURNE TRUTH, submitted by Terry Robinson: "Tasmanian resident who recently watched a movie transmitted from New Zealand--2000km away--now reckons 'the Kiwis are trying to take over his television set. A week later, he had clear NZ pictures on three channels--one in color.'" (Why can't we see them here?--ed.)

FM STATIONS

Fred Nordquist
7945 Boxford Road
Clay, NY 14041

July 1978

NEW FMDX RECORDS

| MHz | Prop | Call | Location | Miles | Dxer, Location | Old Record |
|-------|------|------|-------------------|-------|----------------------------------|----------------|
| 88.5 | Es | WAMU | DC Washington | 1460 | Clint McAuliffe, Greeley CO | Cooper 1375 |
| 88.6 | Es | HILF | DR Santo Domingo | 1055 | Michael Dalton, Clearwater FL | None |
| 88.7 | Es | KUHF | TX Houston | 1485 | Jim Pizzi, Orcutt, CA | Hauser 1260 |
| 88.9 | Au | WMEW | TN Chattanooga | 740 | Fred Nordquist, Clay NY | Ebeling 675 |
| 89.1 | Es | WRNE | ME Houlton | 1500 | Michael Dalton, Clearwater FL | Bolin 1385 |
| 89.3 | Es | KCUR | MO Kansas City | 1565 | R.T. Ryan, Victoria BC | McCormack 1420 |
| 89.7 | Es | WGBH | MA Boston | 1525 | Fred McCormack, Des Lacs | Ebeling 1510 |
| 90.1 | Es | KUER | UT Salt Lake City | 1865 | Michael Dalton, Clearwater FL | Jefferson 1500 |
| | Au | WMBI | IL Chicago | 600 | Fred Nordquist, Clay NY | Kopec 545 |
| 90.3 | Es | XHIS | BCN Tijuana | 2075 | Michael Dalton, Clearwater FL | McCormack 1425 |
| 90.5 | Es | KXCV | MO Maryville | 1500 | W.T. Ryan, Victoria BC | Nordquist 1415 |
| | MS | KXCV | MO Maryville | 970 | Fred Nordquist, Clay NY | Hauser 790 |
| 90.7 | Es | WHAD | WI Delafield | 1800 | John M. Jefferson, Concord CA | Nordquist 1475 |
| | Au | KWNU | MO St. Louis | 835 | Joseph Fela, So. Plainfield NJ | Brown 650 |
| 90.9 | Es | WETA | DC Washington | 1390 | Fred McCormack, Des Lacs ND | Hauser 1385 |
| | Tr | KUNI | IA Cedar Falls | 820 | Fred Nordquist, N. Syracuse NY | LeElanc 720 |
| | Au | KUNI | IA Cedar Falls | 600 | Fred McCormack, Des Lacs ND | Ebeling 420 |
| 91.5 | Es | WNYE | NY New York City | 1445 | Fred McCormack, Des Lacs ND | Hauser 1425 |
| 91.7 | Es | KRSW | MN Worthington | 1435 | Jim Pizzi, Orcutt CA | Remington 1335 |
| | MS | KOSU | OK Stillwater | 880 | Fred McCormack, Des Lacs ND | Elving 790 |
| 92.1 | Es | XHPD | DF Mexico City | 1710 | Steven Wiseblood, Santa Maria CA | LeElanc 1435 |
| | Au | WYXE | WI Sun Prairie | 260 | Andy Bolin, Charleston IL | None |
| 92.3 | MS | WKLH | AL Montgomery | 1050 | John Ebeling, Bloomington MN | Remington 955 |
| | Au | KLIQ | OR Portland | 1030 | Fred McCormack, Des Lacs ND | Ebeling 520 |
| 92.7 | Es | KJAZ | CA Alameda | 2375 | Michael Dalton, Clearwater FL | Elving 1500 |
| | Au | KERY | NE O'Neill | 430 | Fred McCormack, Des Lacs ND | None |
| 92.9 | Es | WSDC | MN Duluth | 1640 | John M. Jefferson, Concord CA | Bishop 1435 |
| 93.1 | Au | WDRQ | MI Detroit | 540 | John Ebeling, Bloomington MN | None |
| 93.5 | MS | WGEA | AL Geneva | 910 | Peter Sawatsky, Waterloo ON | Bolin 515 |
| | Au | WLHJ | WI New London | 340 | Andy Bolin, Charleston IL | None |
| 93.9 | Es | KPOL | CA Los Angeles | 2145 | Michael Dalton, Clearwater, FL | Nordquist 1585 |
| 94.1 | Es | KCLC | WA Clarkston | 1535 | Andy Bolin, Charleston IL | Hauser 1515 |
| | MS | WTOC | GA Savannah | 1100 | John Ebeling, Bloomington MN | Brown 935 |
| 94.7 | Es | KYTN | ND Grand Forks | 1580 | Michael Dalton, Clearwater FL | Hauser 1475 |
| 94.9 | Es | WINZ | FL Miami Beach | 1935 | Fred McCormack, Des Lacs ND | Hauser 1480 |
| | MS | WPCH | GA Decatur | 1345 | Fred McCormack, Des Lacs ND | Hauser 1205 |
| 95.5 | Es | KOKE | TX Austin | 1475 | Fred Nordquist, Clay NY | McCormack 1445 |
| | MS | KBCM | IA Sioux City | 1010 | Fred Nordquist, Clay NY | Hauser 820 |
| 95.7 | Au | WPTW | OH Picqua | 465 | Fred Nordquist, Clay NY | Nordquist 430 |
| 96.3 | Es | KFSG | CA Los Angeles | 2145 | Michael Dalton, Clearwater FL | Ebeling 1510 |
| | Au | WJR | MI Detroit | 540 | John Ebeling, Bloomington MN | Bolin 335 |
| 96.5 | Es | WMDD | PR Fajardo | 1990 | Andy Bolin, Charleston IL | Nordquist 1410 |
| 96.7 | Es | KGTN | TX Georgetown | 1345 | Jim Pizzi, Orcutt CA | LeElanc 1340 |
| 97.3 | MS | KPAT | SD Sioux Falls | 1015 | Fred Nordquist, Clay NY | Cooper 915 |
| 97.7 | MS | WVOP | GA Vidalia | 835 | Fred Nordquist, Clay NY | None |
| 97.9 | Au | WGRD | MI Grand Rapids | 275 | Andy Bolin, Charleston IL | Ebeling 220 |
| 98.1 | Es | WTOF | OH Canton | 2015 | Frank Aden, Bend OR | Hauser 1475 |
| 98.3 | Au | CKLC | ON Kingston | 690 | Andy Bolin, Charleston IL | Bolin 290 |
| 98.5 | MS | KQKQ | IA Council Bluffs | 1020 | Harry J. Hayes, Gouldsboro PA | Bolin 905 |
| 98.9 | Es | WFMI | AL Montgomery | 1360 | Fred McCormack, Des Lacs ND | Remington 1350 |
| 99.1 | Es | KBEL | CA Riverside | 2075 | Michael Dalton, Clearwater FL | Ebeling 1510 |
| 99.3 | MS | WMFC | AL Monroeville | 960 | John Ebeling, Bloomington MN | None |
| | Au | WAEW | TN Crossville | 300 | Andy Bolin, Charleston IL | None |
| 101.5 | Es | KOKE | TX Brownwood | 1490 | Joseph Fela, So. Plainfield NJ | McCormack 1480 |
| 101.7 | Es | KTLQ | OK Tahlequah | 1415 | Jim Pizzi, Orcutt CA | McCormack 1365 |
| 102.1 | Es | KKLY | TX Houston | 1485 | Jim Pizzi, Orcutt CA | Nordquist 1415 |
| 102.9 | Es | KQUE | TX Houston | 1485 | Jim Pizzi, Orcutt CA | McCormack 1345 |
| 103.9 | Es | CFQM | NE Moncton | 1295 | Andy Bolin, Charleston IL | Elving 1265 |
| 104.1 | Es | KRBE | TX Houston | 1485 | Jim Pizzi, Orcutt CA | Nordquist 1400 |
| 104.7 | Es | WRBQ | FL Tampa | 2260 | Jim Pizzi, Orcutt CA | Fraim 1865 |
| 105.3 | Es | WDEN | GA Macon | 1415 | Fred McCormack, Des Lacs ND | McCormack 1370 |
| 105.7 | Es | KHCB | TX Houston | 1485 | Jim Pizzi, Orcutt CA | Hauser 1440 |
| 106.3 | Es | KTON | TX Belton | 1345 | Jim Pizzi, Orcutt CA | Hauser 1335 |
| 106.5 | Es | WSFL | NC Bridgeton | 1345 | Fred McCormack, Des Lacs ND | Hauser 1440 |
| | Au | WDLB | WI Marshfield | 595 | Fred McCormack, Des Lacs ND | Ebeling 545 |
| 106.9 | Es | KRNO | TX Conroe | 1475 | Jim Pizzi, Orcutt CA | Hauser 1340 |

DEADLINES: Sept. 5th, FM SB/88mhz, Nov. 5th 89 + 90 mhz.

FM STATIONS

Fred Nordquist
7945 Boxford Road
Clay, NY 14041

July 1978

NEW FMDX RECORDS

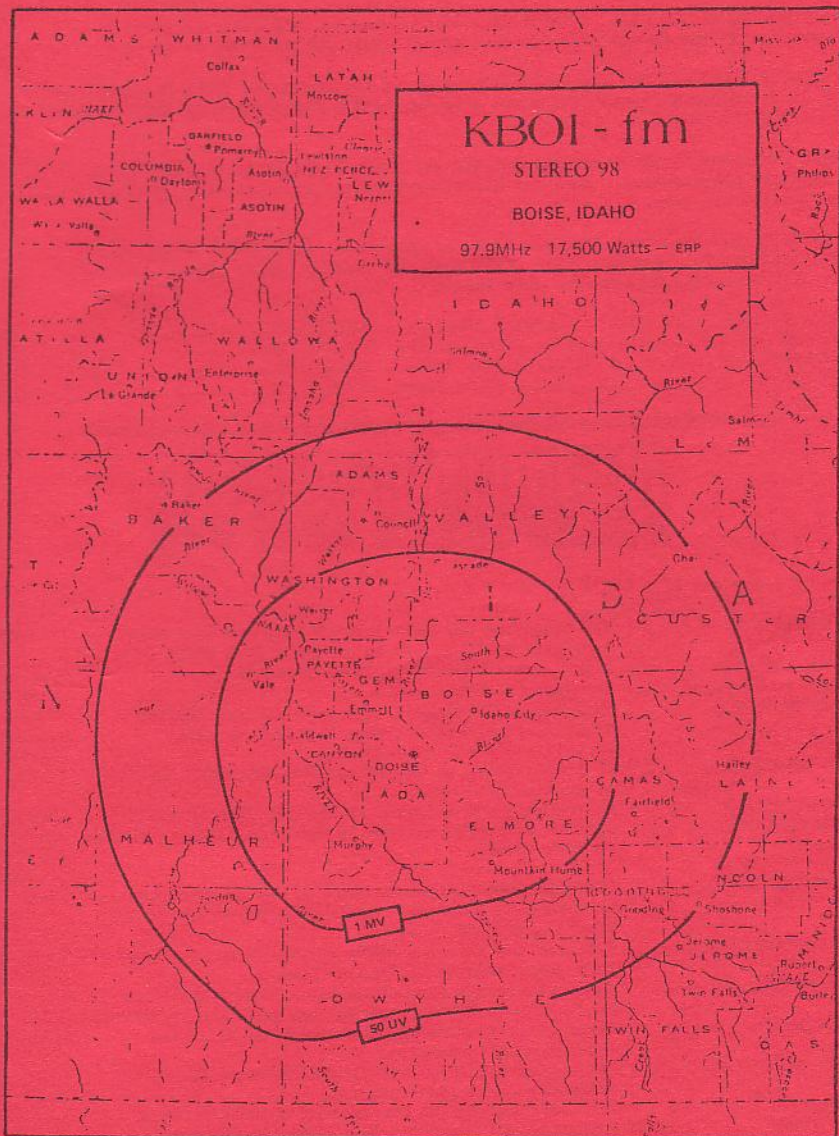
| MHz | Prop | Call | Location | Miles | Dxer, Location | Old Record |
|-------|------|------|-------------------|-------|----------------------------------|----------------|
| 88.5 | Es | WAMU | DC Washington | 1460 | Clint McAuliffe, Greeley CO | Cooper 1375 |
| 88.6 | Es | HILF | DR Santo Domingo | 1055 | Michael Dalton, Clearwater FL | None |
| 88.7 | Es | KUHJ | TX Houston | 1485 | Jim Pizzi, Orcutt, CA | Hauser 1260 |
| 88.9 | Au | WMEW | TN Chattanooga | 740 | Fred Nordquist, Clay NY | Ebeling 675 |
| 89.1 | Es | WRNE | ME Houlton | 1500 | Michael Dalton, Clearwater FL | Bolin 1385 |
| 89.3 | Es | KCUR | MO Kansas City | 1565 | R.T. Ryan, Victoria BC | McCormack 1420 |
| 89.7 | Es | WGBH | MA Boston | 1525 | Fred McCormack, Des Lacs | Ebeling 1510 |
| 90.1 | Es | KUER | UT Salt Lake City | 1865 | Michael Dalton, Clearwater FL | Jefferson 1500 |
| | Au | WMBI | IL Chicago | 600 | Fred Nordquist, Clay NY | Kopec 545 |
| 90.3 | Es | XHIS | BCN Tijuana | 2075 | Michael Dalton, Clearwater FL | McCormack 1425 |
| 90.5 | Es | KXCV | MO Maryville | 1500 | W.T. Ryan, Victoria BC | Nordquist 1415 |
| | MS | KXCV | MO Maryville | 970 | Fred Nordquist, Clay NY | Hauser 790 |
| 90.7 | Es | WHAD | WI Delafield | 1800 | John M. Jefferson, Concord CA | Nordquist 1475 |
| | Au | KWNU | MO St. Louis | 835 | Joseph Fela, So. Plainfield NJ | Brown 650 |
| 90.9 | Es | WETA | DC Washington | 1390 | Fred McCormack, Des Lacs ND | Hauser 1385 |
| | Tr | KUNI | IA Cedar Falls | 820 | Fred Nordquist, N. Syracuse NY | LeElanc 720 |
| | Au | KUNI | IA Cedar Falls | 600 | Fred McCormack, Des Lacs ND | Ebeling 420 |
| 91.5 | Es | WNYE | NY New York City | 1445 | Fred McCormack, Des Lacs ND | Hauser 1425 |
| 91.7 | Es | KRSW | MN Worthington | 1435 | Jim Pizzi, Orcutt CA | Remington 1335 |
| | MS | KOSU | OK Stillwater | 880 | Fred McCormack, Des Lacs ND | Elving 790 |
| 92.1 | Es | XHPD | DF Mexico City | 1710 | Steven Wiseblood, Santa Maria CA | LeElanc 1435 |
| | Au | WYXE | WI Sun Prairie | 260 | Andy Bolin, Charleston IL | None |
| 92.3 | MS | WKLH | AL Montgomery | 1050 | John Ebeling, Bloomington MN | Remington 955 |
| | Au | KLIQ | OR Portland | 1030 | Fred McCormack, Des Lacs ND | Ebeling 520 |
| 92.7 | Es | KJAZ | CA Alameda | 2375 | Michael Dalton, Clearwater FL | Elving 1500 |
| | Au | KERY | NE O'Neill | 430 | Fred McCormack, Des Lacs ND | None |
| 92.9 | Es | WSDC | MN Duluth | 1640 | John M. Jefferson, Concord CA | Bishop 1435 |
| 93.1 | Au | WDRQ | MI Detroit | 540 | John Ebeling, Bloomington MN | None |
| 93.5 | MS | WGEA | AL Geneva | 910 | Peter Sawatsky, Waterloo ON | Bolin 515 |
| | Au | WLHJ | WI New London | 340 | Andy Bolin, Charleston IL | None |
| 93.9 | Es | KPOL | CA Los Angeles | 2145 | Michael Dalton, Clearwater, FL | Nordquist 1585 |
| 94.1 | Es | KCLC | WA Clarkston | 1535 | Andy Bolin, Charleston IL | Hauser 1515 |
| | MS | WTOC | GA Savannah | 1100 | John Ebeling, Bloomington MN | Brown 935 |
| 94.7 | Es | KYTN | ND Grand Forks | 1580 | Michael Dalton, Clearwater FL | Hauser 1475 |
| 94.9 | Es | WINZ | FL Miami Beach | 1935 | Fred McCormack, Des Lacs ND | Hauser 1480 |
| | MS | WPCH | GA Decatur | 1345 | Fred McCormack, Des Lacs ND | Hauser 1205 |
| 95.5 | Es | KOKE | TX Austin | 1475 | Fred Nordquist, Clay NY | McCormack 1445 |
| | MS | KBCM | IA Sioux City | 1010 | Fred Nordquist, Clay NY | Hauser 820 |
| 95.7 | Au | WPTW | OH Picqua | 465 | Fred Nordquist, Clay NY | Nordquist 430 |
| 96.3 | Es | KFSG | CA Los Angeles | 2145 | Michael Dalton, Clearwater FL | Ebeling 1510 |
| | Au | WJR | MI Detroit | 540 | John Ebeling, Bloomington MN | Bolin 335 |
| 96.5 | Es | WMDD | PR Fajardo | 1990 | Andy Bolin, Charleston IL | Nordquist 1410 |
| 96.7 | Es | KGTN | TX Georgetown | 1345 | Jim Pizzi, Orcutt CA | LeElanc 1340 |
| 97.3 | MS | KPAT | SD Sioux Falls | 1015 | Fred Nordquist, Clay NY | Cooper 915 |
| 97.7 | MS | WVOP | GA Vidalia | 835 | Fred Nordquist, Clay NY | None |
| 97.9 | Au | WGRD | MI Grand Rapids | 275 | Andy Bolin, Charleston IL | Ebeling 220 |
| 98.1 | Es | WTOF | OH Canton | 2015 | Frank Aden, Bend OR | Hauser 1475 |
| 98.3 | Au | CKLC | ON Kingston | 690 | Andy Bolin, Charleston IL | Bolin 290 |
| 98.5 | MS | KQKQ | IA Council Bluffs | 1020 | Harry J. Hayes, Gouldsboro PA | Bolin 905 |
| 98.9 | Es | WFMI | AL Montgomery | 1360 | Fred McCormack, Des Lacs ND | Remington 1350 |
| 99.1 | Es | KBEL | CA Riverside | 2075 | Michael Dalton, Clearwater FL | Ebeling 1510 |
| 99.3 | MS | WMFC | AL Monroeville | 960 | John Ebeling, Bloomington MN | None |
| | Au | WAEW | TN Crossville | 300 | Andy Bolin, Charleston IL | None |
| 101.5 | Es | KOKE | TX Brownwood | 1490 | Joseph Fela, So. Plainfield NJ | McCormack 1480 |
| 101.7 | Es | KTLQ | OK Tahlequah | 1415 | Jim Pizzi, Orcutt CA | McCormack 1365 |
| 102.1 | Es | KKLY | TX Houston | 1485 | Jim Pizzi, Orcutt CA | Nordquist 1415 |
| 102.9 | Es | KQUE | TX Houston | 1485 | Jim Pizzi, Orcutt CA | McCormack 1345 |
| 103.9 | Es | CFQM | NE Moncton | 1295 | Andy Bolin, Charleston IL | Elving 1265 |
| 104.1 | Es | KRBE | TX Houston | 1485 | Jim Pizzi, Orcutt CA | Nordquist 1400 |
| 104.7 | Es | WRBQ | FL Tampa | 2260 | Jim Pizzi, Orcutt CA | Fraim 1865 |
| 105.3 | Es | WDEN | GA Macon | 1415 | Fred McCormack, Des Lacs ND | McCormack 1370 |
| 105.7 | Es | KHCB | TX Houston | 1485 | Jim Pizzi, Orcutt CA | Hauser 1440 |
| 106.3 | Es | KTON | TX Belton | 1345 | Jim Pizzi, Orcutt CA | Hauser 1335 |
| 106.5 | Es | WSFL | NC Bridgeton | 1345 | Fred McCormack, Des Lacs ND | Hauser 1440 |
| | Au | WDLB | WI Marshfield | 595 | Fred McCormack, Des Lacs ND | Ebeling 545 |
| 106.9 | Es | KRNO | TX Conroe | 1475 | Jim Pizzi, Orcutt CA | Hauser 1340 |

DEADLINES: Sept. 5th, FM SB/88mhz, Nov. 5th 89 + 90 mhz.

WRTH ch. E5&6

Continued from last month, Compiled by Mike Dörner.

| | | | | | |
|--------------------|---------------------------|--|--|-----------------|--------------------------------|
| ch. E5 | | | | | |
| AUSTRIA | | | | YUGOSLAVIA | |
| Kahlenberg | ORF-TV I 100/20 | | | Jastrebac | JRT-1 100/20 |
| Pfander | ORF-TV I 100/20 | | | Subotica | JRT Vojvodina-1 35/7 |
| DENMARK | | | | Kalnik | JRT Croatia 1 10/2 |
| Alborg | Radio Denmark 50/5 | | | Fljesevica | JRT Croatia 1 30/6 |
| Bornholm | Radio Denmark 10/1 | | | Krvavec | JRT Slovenia 1 50/10 |
| Middelfart | Radio Denmark 50/5w v | | | Bjelasnica | JRT Bosnia/Herzegovina I 6/1.2 |
| Nyköbing S. | Radio Denmark 50/5w | | | ch. E6 | |
| S. West Jutland | Radio Denmark 50/0.5 v | | | AUSTRIA | |
| Vejlø | Radio Denmark 50/5w | | | Lichtenberg | ORF-TV I 100/20 |
| FINLAND | | | | DENMARK | |
| Lapua | Radio Denmark OYE-I 80h | | | Horsens | Radio Denmark 50/5 v |
| Pyhänturi | OYE-I 60h | | | Randers | " " 50/5 v |
| Sippola | OYE-I 20h | | | Ringlæsting | " " 50w/5w v |
| Ahvenanmaa | OYE-I 10h | | | Silkeborg | " " 50/5w v |
| W. GERMANY | | | | S. Sealand | " " 60/6 h |
| Hardberg | Hessischer Radio 5/0.25 h | | | FINLAND | |
| Kiel | NDR-TV I 12h | | | Espo | OYE-TV I 180h |
| Bremerhaven | Radio Bremen-I 20.2k v | | | Lisalmi | " " 0.2h |
| Südwestfunk | Trier 0.6k | | | Mikkeli | " " 10h |
| Bonn | WDR-TV 0.5k h | | | Pyhävuori | " " 20h |
| E. GERMANY | | | | W. GERMANY | |
| Berlin | DDR-TV 100/20 h | | | Dillberg | Bayerischer R. 100h |
| Inselberg | DDR-TV I 100/20 h | | | Koblenz | SWF 50h |
| GREECE | | | | Weinbiet | " 30h |
| Thessaloniki | EIRT 30/6 h | | | Wuppertal | WDR Fernsehen-I 0.6h |
| Athens | YENED 60/12 v | | | E. GERMANY | |
| HOLLAND | | | | Brocken | DDR Fernsehen-I 100/20 h |
| Rayermond | NOS 50/5 | | | GIBRALTAR | GBC-TV 0.2/0.04 h |
| ICELAND | | | | GREAT BRITAIN | |
| Vestmannaeyjar | IBS-TV 30 | | | Ridge Hill | IBA 10v |
| Heidefjall | IBS-TV 5 | | | Sandy Heath | " 30h |
| ITALY | | | | Scarborough | " 1h |
| M. Venda | RAI-1 100 | | | Newhaven | " 1v |
| M. Serra | RAI-1 270 | | | GREECE | |
| M. Vergine | RAI-1 1 | | | Pilion | EPT-TV 30/6h |
| Marbina Franca | RAI-1 220 | | | Alexandrovpolis | " 30/6v |
| Gambarie | RAI-1 19 | | | Kalamata | " 10/2h |
| Punta Badde Urbara | RAI-1 145 | | | HOLLAND | |
| NORWAY | | | | Smilde | NOS 40/4h |
| Førde | NRK-TV 1.2 | | | ICELAND | |
| Grong | NRK-TV 30 | | | Vadlahaidd | IBS-TV 490 |
| Karasjok | NRK-TV 10 | | | NORWAY | |
| Lyngen | NRK-TV 3 | | | Bjerkreim | NRK-TV 15 |
| Nordhøe | NRK-TV 60 | | | Hestmannen | " 4.6 |
| Stord | NRK-TV 30 | | | Nordlapp | " 30 |
| PORTUGAL | | | | Oslo | " 100 |
| Mendro | RTV Portuguesa 30/6 | | | Andenes | " 4 |
| Marofa | RTV Portuguesa 5/1 | | | Reinsfjell | " 60 |
| SPAIN | | | | SPAIN | |
| Jaen | TVE 60h | | | Mallorca | TVE-I 30/6 h |
| Coruna | TVE 50h | | | SWEDEN | |
| Zaragoza | TVE 24h | | | Bollnas | Sveriges Radio 60/6 h |
| Valencia | TVE 10h | | | Kiruna | " " 60/6 h |
| Lerida | TVE 3h | | | Vasbervik | " " 60/6 h |
| SWEDEN | | | | Skelleftea | " " 35 h |
| Arvidsjaur | Sveriges Radio 60h | | | Boras | " " 3 h |
| Norrköping | " " 60h | | | Uppsala | " " 3 h |
| Sundsvall | " " 60h | | | Ornskoldsvik | " " 7 h |
| Vislanda | " " 10h | | | SWITZERLAND | |
| Karlstad | " " 5v | | | Rigi | SBC-TV German 30 |
| SWITZERLAND | | | | YUGOSLAVIA | |
| Monte Ceneri | SEB-TV Italian 4.5 | | | Avala | RTV Yougoslave 100/20h |



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