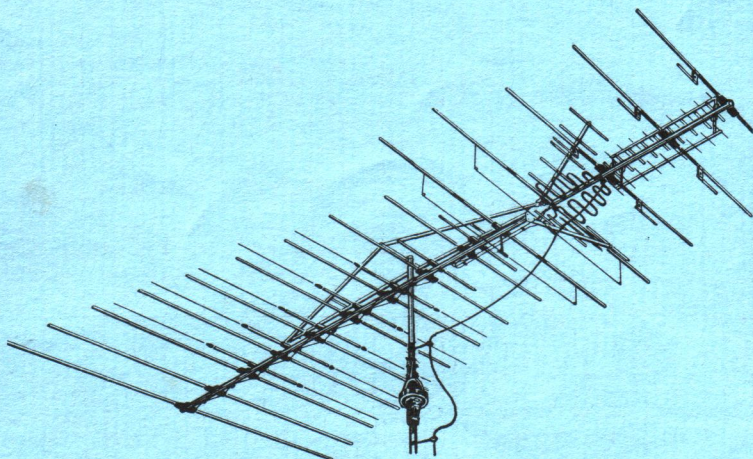


VHF-UHF DIGEST

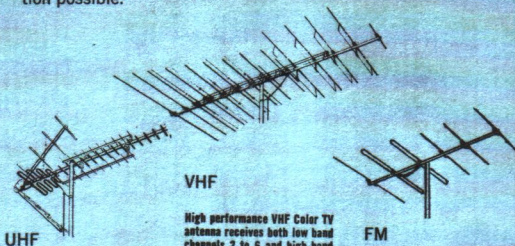
1973
AUGUST



DEEP FRINGE AREA
MODEL 8282

Revolutionary 3 in 1 design electronically superimposes three antennas into one with very high efficiency for the finest reception possible.

WTFDA's
MARK LEWIS
VISITS DELHI



UHF

All channel VHF antenna receives UHF channels from 14 to 83. Its high performance will provide clear reception even in deep fringe areas.

VHF

High performance VHF Color TV antenna receives both low band channels 2 to 6 and high band channels 7 to 13. This type of antenna would be recommended for deep fringe areas.

FM

The FM yagi shown above will bring in stereo stations crystal clear even in deep fringe areas. Multi-path distortion will be effectively cut off.

publishers' notes...

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

THAT TIME AGAIN... About this time every year, there are four groups of people thinking about the 1973 WTFDA Convention... The first group is made up of DXers who couldn't be there, either because of the distance, expense or conflict. The second group is made up of people who didn't want to go, (poor misguided souls!). The third group went (and is probably enjoying the convention as you read this!). And now to the fourth group... The group of indecision... The largest group of all... And the odds are that you're a member of this group! You all know the symptoms... "Well, maybe I'll go"; "Humm, I'll have to give it some thought-- one of these days"; "I've never been to one of those things... Maybe I won't fit in" (worst excuse of all-- every DXer "fits in"); then there's finally the ever-popular, "Ah, maybe I'll make it next year". And "next year" the cycle usually continues. Next month we'll try to have a full photo report of the convention. I hope that it's convincing enough to be remembered "next year"!

AUTOMATIC TUNER CLEANERS... Several manufacturers are now marketing "automatic tuner cleaners" for strip type VHF TV tuners. The idea is clever, it seems to work, it's extra easy to install, but the price is insane! These cleaners or "tabs" consist of a small strip of porous foam rubber (the material is similar to that of artificial sponge and sometimes used as a packing material!), loaded with a "cleaner-lubricant". One side has an adhesive backing. The idea is this.., one simply presses the strip onto the bottom inside of the tuner cover. As the channel selector is changed, the channel strip contacts rub against the lubricated foam. Thus the contacts are continuously cleaned and lubricated. Reportedly, the dirt and grit falls to the bottom of the cells. One manufacture claims that each tab should last over five years. Now to the price... In quantities of ten or more, the price averages 80 to 90¢ each! Furthermore, these manufacturers recommend that the TV service shops charge the customer \$4.95 for each tab with installation. It would be much cheaper to dig up some old packing foam and make your own tabs. One only needs to cut the foam to the shape of the cover bottom (usually about 3/4" x 2 1/2"), add some tuner cleaner/lube, install it and save \$4.95!

STATION BREAK ADS TO RETURN... For a limited time, we invite members to send their personal, non-commercial want ads, for free publication. Ads must be typed or printed clearly and not exceed 30 words. WTFDA reserves the right to reject or edit ads. Here's a chance to clear out your unused DXing gear or track down something you've been looking for. Send us your ad today!

STRANGE DX CONDITIONS... In spite of an early deadline this month, the report columns (especially FM) are loaded. High band Es, double hop Es and tropo ducting were all reported. There was, however, a strange early drop-off in the Es action. And just when things were getting hot. Any explanations???

BITS... Have some interesting news? Don't keep it to yourself. Send us the word! Personal items should go to Mailbox editor, Terry Colgan; TV to Don Ruland and FM to Bruce Elving. It's easy to clip an item out of your local paper and it may help someone log a new station!



by Mark Lewis

Recently, my travels took me to South-western Ontario and I had the pleasure of touring Delhi Metal Products Limited.

Of what significance is Delhi to DXers? Delhi manufactures an extraordinary line of consumer antennas which could be pitted against any of the major U.S. brands, and still come out ahead in terms of gain, Front-to-Back Ratios, and most of all; ruggedness.

Historically speaking, Delhi has been a familiar name to Canadians for more than a quarter century. The firm began manufacturing antennas in 1948. In that year, all television signals received in Canada were simply "DX". American border stations were the only available outlets, and those U.S. stations were operating with very low power. It was not until September 1952 that Canadian telecasts began in Montreal and Toronto. Hence, Delhi antennas, since their inception, have been engineered for erratic deep fringe signals.

New to the Present: Delhi Metal Products manufactures a huge line of antennas and MATV products. They specialize in low-cost yagis peaked for special channel combinations i.e. 2-4-7 in Toronto (for Buffalo reception). Delhi also makes a superb line of "all-band" antennas.

The Receptron Series is Delhi's most popular "all-band" item. These antennas are unique in several respects: The forward elements classified as "Receptro Lens", perform both as highband and low-band-fm directors. The Model 1057 has 57 elements, yet it is only 179 inches long and weighs 18 pounds. The long rear reflector elements which are crucial for proper antenna performance, have a tendency in many cases to snap off under ice & wind load conditions. Delhi is the only manufacturer, to the best of my knowledge, to use rear elements reinforced with an extra roll of material. Experimentation with plastics have allowed Delhi to make claims that insulation hardware is "virtually unbreakable". I can attest to their claims ---plastic insulators on their antennas have weathered Toronto pollution and climate much better than Channel Master plastic. The stabilizing booms and mounting bars function well, without taking up too much mast space.

I suppose at this point I might address myself to the engineering programme carried out by Delhi. Edwin A. Adams heads the electronics development division. He is an innovator, as witness by his home-brew evaluation equipment. Range testing plays an important role in the development of his antennas. Towers, oscilators, transmitters, and of course antennas make up his test equipment. The storerooms at Delhi look like a DXer's garage, for there, are antennas of each design and manufacturer. Adams painstakingly evaluates each antenna of his competitor, to find its strengths and weaknesses...hopefully weaknesses. He then concentrates on improving his own design through avoiding the pitfalls of others.

I believe the success of Mr. Adams' experimentation can be seen in my DX logs. I have been able to compare a large Channel Master antenna (of the 3600 series) against a Delhi 8282 (VHF-UHF combo)---the Delhi has been an easy winner despite the fact that it ran 35 feet more coax. There are distinct disadvantages to a VHF-UHF combo antenna: VHF gain is sacrificed, as is a large portion of the UHF performance. Nonetheless, my "combo" antenna yields 9.5 db gain on Ch.7, reaching 10.7 db on Ch.12. (that is, gain over 1/2 wave dipole). For the 1057, VHF-fm (only) antenna, I would expect about 2 db higher gain on highband VHF. The front-to-back ratios on the antenna are excellent. I have the test range curves for the VHF-UHF 8282, and the figures approach 30db on lowband VHF, and 25 db on highband VHF. (the 1057 has slightly better F/B figures) The VHF performance of my antenna has always been superb under DX conditions, and during "everyday" viewing...it far outshines the comparable Channel Master products.

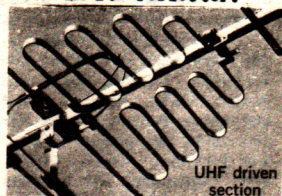
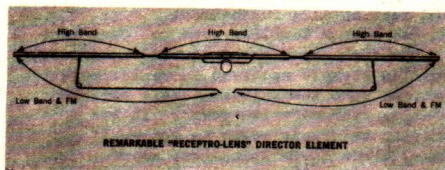
My UHF installation was also made by Delhi. The people at DMP, take the familiar gold screen reflector of the Finco 7 foot dish, and make a major modification. The active feed element is replaced by four half-wave loops, parallel-fed on each side of the central boom.

This design yields 3 or 4 db higher gain across the entire UHF band, leaving you with approx. 25 db on the translator channels.

(the 3-4 db higher gain is compared to the conventional Finco 7' dish)

The beam width of the modified Finco-Delhi is also much narrower than the conventional antenna. (less than 20 degrees at channel 35)

Previously, I had used a 6' Jerrold JUP-4 dish. In all honesty, the Jerrold afforded me good results...many of my trope records appeared in Hauser's stats. columns. The Jerrold was far superior to the 5' finco, in spite of the fact that the Finco 5' had more area in its reflector.



The Delhi 7 foot dish is unbelievably hot. My trope-scatter distance has extended out to 255 miles under "average" conditions. WBRE-28 Scranton Pa @255 miles, is always there! Fringe stations, ie. WXXI -21 Rochester Ny. @ 100 miles is now usually watchable. WSEE-35 and WJET-24 Both Erie pa. @ 132 miles are more often viewable than previously.

The Delhi 7' dish is mounted in the same position as the Jerrold dish, and the .412 coax remains unchanged. As I have not recently tried an unmodified Finco antenna on this site, I may be over-rating the modified seven-footer. I did however, see the engineering comparison charts at the factory, and I am convinced of the technical improvement in the antenna design. The 3 or 4 db higher gain may seem insignificant but remember: that extra gain may help to offset the loss in your .412 or the insertion loss in your baluns.

Another point in favor of the Delhi dish: The hard-to-get channels, those channels adjacent to locals, pose no problems any longer. Trophe-scatter from WXON-20 Detroit (220 miles) is now received although CIOA ch.19 with 600 kw is located 10 miles away. The secret...the Delhi dish mulls out CIOA pointed at Detroit, 110 degrees west of the Toronto transmitter. I now, frequently receive audio and video from Ch.25 Saginaw despite OBLFT-25 220 kw at 10 miles!

I anticipate some comments from cynics: ie. what sort of receiver are you using? or what type of preamp do you have? My RX is an AGS Hudson, all tubes with the exception of the tuner (UHF) manufactured 2 1/2 years ago, it is not the hottest set on the market; RCA B&W 20" portables easily surpass my set. I have no preamp for UHF and we have 5 locals in the immediate area, 3 Toronto stations with a combined RF output of 884 kw, with Buffalo "locals" at 50 miles with combined RF of 2.2 million watts. The supreme test of my system will come Nov. 15/73 when Global TV Ch.22 Uxbridge @ 25 miles begins testing their 5 megawatt!!! xmtr I envisage overload problems at that time.

A tip for UHF DXers: Some CATV friends inform me that RG 59 U foam and RG-11U foam have a tendency to soak-in moisture despite their polyethylene coatings. In northern climates, this can be disastrous during the winter period when frozen moisture may exist within the foam. For that short run of coax between the UHF antenna balun and rotor motor, use ordinary RG-59. I believe Vilcoa is the maker of the RG-59 which has an internal foil shield, and stranded tin-coated shield over the dielectric. I have used this wire in my system. It is much more water resistant, and the aluminum foil makes it more durable. It exhibits no more loss than 59-foam coax in short runs.

In conclusion, Delhi makes what I consider to be, a superior line of antennas with the DXer in mind. The model 1057 sells for \$54.65 at a retail store (Electro Sonic) in Toronto. The entire 7' foot dish retails around \$70...but that price includes the duty slipped on the

(cont. on page 34)

TECHNI-

CORNER

Conducted by:

David T. Janowiak
3661 South 46 Street
Greenfield, Wisc.
53220

AND IN THIS CORNER, MOTHER NATURE

I just experienced the sort of a day that shouldn't happen to your worst enemy. And with the VUD column deadline nearing, I thought I needed an idea.

The Weather Bureau called it a violent windstorm. That's like calling a 1000 mile UHF tropo haul "slightly improved conditions." Even for Cooper, Draeb, or Seybold. Some yahoo just must have fooled with Mother Nature.

It started like any other day....

The Saturday didn't start off all that bad. A nasty thunderstorm hit in the early morning, bringing much rain and 50 to 70 mile winds briefly. But the sun appeared soon, no damage was noted, and I was reasonably sure the predicted storm had passed.

Several hours later, a FM newscast mentioned that a squall line was approaching, due in about three hours. It was about 2:30 PM, so 5:30 was the target time. However, as is so common, some FM newscasts are as authentic as a \$3 bill. For one glance to the west revealed an almost unbelievable cloud pattern and build up, later reported to be over 55,000 feet. Obviously, the FM newscast was an oldie, taped several hours earlier.

It's about to storm....

I quickly gathered the kids into the house, explaining that -- due to my great weather experience -- I was certain it was about to storm.

I'd sat through storms carrying tornados and high winds twice, once while camping in Kansas (were tornados are common) and once while camping west of Milwaukee (where tornados are rare). Those storms -- and my fears -- couldn't compare to this. The house shook. Windows rattled. Strange noises. A giant kaleidoscope, ever changing. Objects smashed into the house; the 300 ohm shielded lead-in on my seldom-used FM antenna flapped in the wind and threatened to smash a ceiling-to-floor dining room window.

The wind is from

I ran like a fool from window to window trying to determine the wind direction so I could position the 7 foot UHF dish perpendicular to the gail. But all I saw through the multicolored, ever-darkening haze and driving rain were trees, gutters, garbage cans, etc, bouncing crazily. One tree bent to the south, another to the north, another was no longer there! That crazy, twisting wind, easily in excess of 75 MPH, flipped the guy wires on the Rohn tower like some giant snake. There was little tension; the guys did little good.

I wasn't worried about the 50' Rohn #25 tower, though, because it probably could withstand 100 MPH winds even without guys, thanks to its anchoring in a yard of cement and home made channel iron house bracket. As for my 25 feet of Heights aluminum tower guyed atop my 25 foot roof, well, if the guys on it had been loosened as those on the Rohn, I wouldn't bet even money it would stand. I wondered how the 7 foot dish with tower would sound through all the other noises as it crashed into my roof!

Dirty pool....

Even the midnight skies what appeared as the storm intensified didn't alter my fears because lightning struck almost continually to give me brief glimpses of the continuing damage. Soon all electrical power was off. The family huddled in fear as weird noises continued, some of them probably due to objects flying into the house. Mother Nature was playing billiards on my property ... and winning.

It lasted about an hour. Poking my head outside into a strange, calm drizzle, I saw a disgusting sight. Downed trees. Utility sheds crumpled like gum wrappers. Shingles, rain gutters, tree limbs, millions of bits of debris covered the area; you'd think the eighth race at Arlington had just ended.

I tiptoed through the debris on the lawn, turned, and viewed my own house. Several lost shingles. But the towers. Miraculously, the roof-mounted Heights tower with 7-foot dish was upright, barely, swaying like a badly battered fighter; guy wires, once tight, were now sagging. But it stood!

The Rohn tower -- not really needing guys except to reduce sway for climbers -- looked like a giant green thumb; tree limbs and leaves had snaked themselves throughout the rungs. One bay on the H-frame for the high-band quad array was bent.

The sagging guy wires on both towers helped like yesterday's newspaper. I could not imagine how the wires could loosen and stretch, how turnbuckles could back out. Only the "belt and suspenders" guying techniques such as shunt wires across turnbuckles and double eyebolts saved the Heights tower.

Damage was widespread....

In the aftermath, sirens blared for hours as downed trees, power lines, fires, and road blockages made life miserable. A few auto trips and newspaper accounts verified that we'd indeed had a strange "storm". (You see, we rarely have tornados in God's Country.) While damage was widespread, it was obvious that the winds here far exceeded the "official" weather bureau readings at the airport and that damage to the SW suburbs was indeed devastating. For example, a man was blown off a porch, hit head, rushed to hospital, and cashed in his chips the next day. Several roofs were torn from homes in a single path of individual destruction within a few hundred feet of my home. Water worshippers at our many local lakes had scurried for safety as the storm approached; most made it. A rare (one of seven), steel, antique trimotor aircraft had been pulled from its steel cable anchors, tossed 50 feet into the air, and dropped to earth as razor blades. Entire walls and siding of several new homes were ripped off and found blocks away. The WTMJ AM radio tower toppled. Electrical and phone service in some areas was out for up to six days.

Antennas were not spared....

So what does all this have to do with DXing? Nothing really. Except that as I observed the hoard of downed antennas and towers, I wondered how many of these would still be up had correct equipment been selected and proper installation done. Sure, some flimsy installations remained up luckily, perhaps due to the wide differences in wind velocities at various locations. But most bad installations came down; you know the kind: 2 to 3-foot tripods, unguyed, with cheap, thin, seamed metal masts mounting wind-catching, wedge-shaped all-channel antennas.

Now, home-owner's policies are nice. However, getting prompt action and 100% payment without a hassle is rare. I believe, therefore, that some basic "Commandments" are in order for anyone contemplating a new antenna system. These apply whether you do it yourself or have it done.

The thou shalt nots of antenna installation....

1. THOU SHALT NOT USE AN UNGUYED 2 OR 3-FOOT TRIPOD WITH A 10-FOOT MAST TO SUPPORT A HEAVY ANTENNA ARRAY AND ROTOR.
2. FOR LIGHT ARRAYS OR WITH WELL BUILT 8 OR 10-FOOT TRIPODS, THOU SHALT NOT DEPEND UPON SCREWS THROUGH THE TRIPOD LEGS AND ROOF TO HOLD. TO BE SURE, BOLT 2 x 4s OR 2 x 6s (construction grade) ACROSS A PAIR OF ROOF STUDS, THEN FASTEN THE TOWER LEGS TO THE BOARDS.
3. THOU SHALT NOT USE CHIMNEY BRACKETS, UNLESS CHIMNEY IS VERY STRONG AND BRACKETS WILL SERVE ONLY AS A TEMPORARY "THIRD HAND" FOR INITIAL SWING UP.
4. THOU SHALT NOT USE ALUMINUM SEAMED STEEL TUBING FOR ROTOR OR ANTENNA SUPPORT MASTS.
5. THOU SHALT NOT GUY TO TREES CHIMNEYS, OR FLUES.
6. THOU SHALT NOT USE THE GARBAGE CALLED ANTENNA ACCESSORIES SOLD AT PLACES LIKE ALLIED, RADIO SHACK, ETC. (YOU KNOW, THE OVERPRICED, FLIMSEY JUNK OFTEN MOUNTED ON PLASTIC ENCASED CARDBOARD AND LOCATED ON DISPLAY RACKS.)
7. THOU SHALT NOT UNDERESTIMATE THE FANTASTIC TORQUE WIND CAN IMPART ON TOWERS, MASTS, AND ANTENNAS.

The thou shalls....

1. THOU SHALL ALWAYS USE GUY WIRES FOR ALL ROTATABLE ANTENNAS, EXCEPT WITH A FREE-STANDING TOWER. USE THREE GUY WIRES AT ANY ONE POINT ALONG THE STRUCTURE FOR 3-LEGGED TRIPODS OR TOWERS, ALWAYS AT 120° ANGLES AND ALWAYS PULLING IN THE DIRECTION SHOWN IN THE SKETCH. USE FOUR GUYS AT ANY ONE POINT ALONG A STEEL MAST OR PIPE.
2. THOU SHALL USE 16 GAUGE (MINIMUM) HOT DIPPED GALVANIZED STEEL SEAMLESS MAST, WITH A 1.25 INCH MINIMUM OUTER DIAMETER. FOR PARABOLIC DISH ANTENNAS OR SIMILAR LARGE WIND CATCHERS, THICKER PIPE OR DOUBLE PIPE -- EVEN SOLID STEEL SHAFT INSIDE CONVENTIONAL TUBE -- IS A MUST.
3. THOU SHALL USE HEAVY DUTY GUY WIRE, MINIMUM OF 6-STRAND, #16 GAUGE, HOT DIPPED GALVANIZED STEEL.
4. THOU SHALL USE HEAVY DUTY TURNBUCKLES (SEARS CATALOG, FOR EXAMPLE) AND 0.25 INCH THICK (MINIMUM) EYEHOOKS.
5. THOU SHALL PERSONALLY VISIT LOCAL ELECTRONIC HOUSES AND INSIST ON SEEING THEIR ANTENNA ACCESSORIES. THEN, SELECT AND PATRONIZE ONLY THOSE HOUSES OFFERING THE BEST.
6. THOU SHALL USE TAPE GENEROUSLY TO TAPE SHIELDED TRANSMISSION LINES TO MASTS OR TOWER LEGS.
7. THOU SHALL SEAL ALL ELECTRICAL CONNECTIONS AND CRACKS ON BALUNS, COUPLERS, ETC. WITH SILICONE BATHTUB CAULK, GE 2561-71D OR EQUIVALENT.
8. THOU SHALL DRIVE EYEHOOKS FOR GUYING INTO ROOF STUDS, NOT JUST INTO ROOFING BOARDS.
9. FOR ALL ROTATABLE HEAVY ANTENNAS, THOU SHALL MOUNT ANTENNA ON THE MAST AS CLOSE AS POSSIBLE TO THE ROTOR AS POSSIBLE TO REDUCE (1) ROTOR SIDE TORQUE AND (2) THE CHANCE OF MAST BENDING.
10. THOU SHALL PERIODICALLY INSPECT ANTENNA SYSTEM(S) AND REPAIR OR REPLACE ITEMS AS NECESSARY.

Mother Nature is an ornery hag. She never looses. But even in the severest weather, you can play for a tie if you follow the basic Commandments just listed.

Know your exact frequency

--Glenn Hauser

WE NORTH AMERICAN FM DXers have been spoiled by the overwhelmingly rigid frequency control required of our domestic stations--so much so that we tend to think in terms of discrete channels 200 kHz apart. However, when receiving any station outside the USA or Canada, we should not assume that it has to be on an 'odd' frequency, or has to be right on a nominal or listed 'split' frequency!

MW and SW DXers are accustomed to measuring frequencies of foreign stations, and so must we. However, different techniques are required on FM: for one thing, there are few, if any, receivers with backlashless calibration down to 10 kHz. Acquire a push-button odd-channel-only model only if you don't mind missing the best DX you may ever get (or as a second set).

The best way to pin down frequencies is to buy one of the many frequency counters now on the market. Some of them require adaptors to cover the FM range, or above 100 MHz, so check the catalogs and expect to spend \$250-\$300.

FORTUNATELY there's another, roundabout way that is almost as good provided four significant figures is accurate enough for you. It's an application of the same principle explained earlier with reference to video carrier injection and measuring UHF translator channels. Just use your well-calibrated general-coverage shortwave receiver. (¿What? You don't have one? You're missing the wider spectrum of DXing!) You can probably find a used Hammarlund, for instance, for considerably less than a new frequency counter. Then you can discover the merits of SW DXing during dull FM DX days.

You MUST know the IF frequency or frequencies of the radio. The manual should tell you, or you can find out by experimentation. You can practice on any domestic station on a known FM frequency. From here on an example will explain the technique best:

SAY you're hearing Radio Belize on approx. 91.3 MHz (go ahead; say it! No one will believe you, hi). Once you're over the shock and have started the tape recorder, warm up the SW receiver (or keep it warm and stable during openings). Tune Radio Belize as close to center channel as possible, but this is not too critical.

Then, starting at the highest frequency covered by the SW rx (preferably 31 MHz or so) tune down until a 'beat' from the SW rx blots out the FM. Depending on a number of factors, such as the strength of the FM DX and the amount of shielding on the receivers and antenna feed lines, the beat from the SW rx may or may not obliterate the FM DX. You can increase the strength of the SW signal injection, if necessary, by running a single wire with alligator clips between the two receivers' antenna terminals. Sometimes Radio Belize may be so strong that you have to wait until it is about to fade out.

ONCE BLOTTED, turn the FM volume up high and fine tune the SW rx carefully back and forth until you hear a 'swish' sound--similar to CCI between two FM stations. This means you're right on the correct frequency. Then it's simply a matter of reading off or interpolating the frequency to which the SW rx is tuned. This is a subject in itself; suffice to say that a crystal 100-kHz calibrator is very helpful, and a multi-vibrator down to 10 kHz intervals is even better.

YOU FIND, perhaps, that the SW frequency is 27.377 MHz. Then you add the SW rx's IF (or in some cases subtract, which you will know from previous trials). In my case it's 3.035 MHz. This gives 30.412 MHz. Then multiply by an appropriate integer, which should be obvious, in this case 3. This gives 91.236 MHz! There you have Radio Belize's hypothetical FM frequency.

DEPENDING on how carefully you do it, you may be safer rounding off the last digit, making this 91.24 MHz--unless you're certain of greater accuracy. All this may seem time-consuming and complicated, but with a little practice you can note the SW frequency swiftly and leave the arithmetic till later. You can even construct a conversion chart for the LA-prone 88-92 MHz band.

NEXT TIME you get Radio Belize, measure it again, as it may well have drifted in the interim.

FCC FM NEWS

Bruce F. Elving, Editor
 P. O. Box 24
 Adolph MN 55701
 FM station news welcome here!

An early publication deadline makes for less FM news and work for your editor.

New Construction Permits

Juneau AK *104.3 10 [88-92 is not available in AK, so educational stations then must operate in the commercial band]
 Sterling CO 96.7 940 h,v; 504'
 Portland IN WPGW-FM 100.9 3000 170' FCC reinstates previous grant.
 Forsyth GA 100.1 3000 h,v; 300'
 Sioux City IA 95.5 Grant to Hassenger Bcstg. Co. Power, height unknown, but may be the same as for the former KMEG-FM: 64,000; 890'. Decision
 Ellisville MS 102.3 3000 h,v; 298' Final/
 Las Vegas NV 93.1 41500; 1190' Final Dec'n.
 Reno NV 106.9 28920 -406'
 Scranton PA *91.5 10 Maryland College
 Sumter SC *88.1 100000 h,v; 445' ETV Commission: 88.1's mightiest!

On the Air and DX Ready!

Waynesboro MS WABO-FM 105.5 3000 h,v; 145'
 St. George UT KDXU-FM 93.5 3000 h,v; 25'

FM ATLAS news: I am rushing to complete the second edition of the FM ATLAS AND STATION DIRECTORY before the 1973 WFDA convention, and will hope to have copies available there.

Deletions

Fairfield IA KPVC *89.5 along with Parsons College!
 Athens TN WLAR-FM 98.3
 Off the air or deleted? WTQX-FM 100.9
 Selma AL. An application for this facility has been filed with the FCC.

Changes in Facilities

Jackson CA KNGT 94.3 165 (horizontal ERP only?); 1090'
 Sacramento CA KEBR 100.5 115000 h, 106-000 v (380'), directional antenna.
 Seaside CA KZEN 107.1 580 h,v (570')
 Westport CT WWPT *90.3 to 110' (330 h,v)
 Hawkinsville GA WCEH-FM 103.9 to 225' (3000)
 Auburn IN WIFF-FM 105.5 2850, 310'
 Claremont NH WECM 106.1 8900 h,v; 990'
 Blairstown NJ WFMV 106.3 275 h,v; 830'
 Newark NJ WHBI 105.9 50,000 h,v; 295', transmitter New York city.
 Charlotte NC WBT-FM 107.9 97000 h,v; 970'
 Bucyrus OH WBCD-FM 92.7 1500 h,v; 300'

Fostoria OH WF0B-FM 96.7 3000 h,v; 190'
 Carlisle PA WHYL-FM 102.3 3000 165'
 Charleston SC WXTX 96.9 100000 h,v(780')
 Memphis TN WLXY *89.3 to 855 h,v; 150'
 Myton UT K288AD from 105.5 to 103.9 [Calls to K280AA]. Vernal UT K280AA from 103.9 to 95.3 [Calls to K237AH].

Licenses Granted for Facilities Changes (Selected) 820'

Hartford-Meriden CT WKSS 95.7 14500h,v/
 Washington DC WRC-FM 93.9 50000 h,v; 484'
 Lewiston ID KOZE-FM 96.7 900; -631'
 Des Moines IA KLYF 100.3 87000h, 100000 v; 1700', MOR and \$ now.
 Gulfport MS WROA-FM 107.1 1600; 400'

Call Letter Assignments

Ozark AL 103.9 WAYD-FM; Tifton GA *90.5 WABR*-FM*; Baltimore MD *90.3 WSPH
 Walton NY 92.1 WDLA-FM; Easton PA 99.9 WQQQ [from WEEZ-FM]; Chattanooga TN *88.9 WMBW [WKES]; Austin TX 93.7 KLBJ-FM [KTCB-FM]; Roanoke VA 99.1 WSLQ [WSLC-FM]; Fairmont WV *90.9 WWFC
 Milwaukee WI 107.7 WVCY [WBON]. Wausau WI 101.9 WDEZ [WRJ-FM] now MOR in \$.
 FLASH! WDOOR-FM Sturgeon Bay WI is now on 93.9 [not 95.9], 39kw, 660'

MEMBERS' REPORTS AND COMMENTS

William O. Dickerman, Williamsport PA, quotes from a letter he received from Neal K. McNaughton, chief, rules and standards, FCC: "...Station WGCR-FM Wellsboro PA is asking to change its channel assignment from 249A to 283 (104.5)," and it could increase power to 50 kw and improve FM reception in isolated areas of north central Pennsylvania. The letter then discussed at length FM translators and boosters and noted: "Translators and boosters are limited to one watt east of the Mississippi River because of the heavy concentration of regular FM stations as compared to the plains states and the West" (where they may be 10 watts). Bill reports that both WPEZ 94.5 Pittsburgh and WVCD 97.9 using their correct call letters only on the hour; otherwise you hear only their respective AM stations' call letters mentioned (and frequently). "I have written to WVCD at least twice and to WPEZ once complaining about this practice," says Bill. Here, perhaps, is a chance for DXers to call to the FCC's attention a shortcoming in the new rule that allows only hourly identifications; it is manifestly misleading to listen to an FM station and hear only an AM station's call letters mentioned which are different from that of the companion FM station, save for only one legal identification on the hour. WSHH 99.7 Pittsburgh recently went MOR, \$. WMSP 94.9 Harrisburg was recently heard announcing as having 50,000. From the June WVIA program guide: "operations chief Roy Hoinowski and his crew report a smooth FM kickoff with 50,000 watt blanketing wide listening area from our fully automated radio studios." Actually they are only 5,000 watt ERP; 1250'; it seems to be common practice for PA stations to over-state their effective radiated powers. They may have coverage equal to 50 kw at 500', but that still does not make them 50 kw stations. WVIA-FM *89.9 is in Scranton PA. And WVCD is in Hazleton PA.

Bill Grant, Worcester MA, says that WCCM-FM 93.7 Lawrence MA announced that they would soon be \$, and they are announcing as using 50,000 watts; and he confirms that WFUZ 93.7 in Ocala FL is now \$ and MOR.

A lot of OK news recently came from an Atlas reader in that state. New \$ stations there include KWHW-FM 93.5 Altus, KKAJ 95.7 Ardmore, KWOE-FM 106.9 Clinton, KNED-FM 101.3 McAlester, KGOU 106.3 Norman (rock and classical), while KXXX 105.5 Chickasha plans to soon be \$. In MO, KRKG 104.9 Carthage and KOBC *91.1 Joplin are \$. KOBC is 50% religious and 50% easy listening, and will operate with the full 14,500 (170') when it returns to the air in September.

Glenn Hauser, Von Ormy TX, notes KIXY 94.7 San Angelo is \$, as is KRMM 103.7 San Marcos ("sure puts in a crummy signal here"). Also \$: KAMC 94.9 Arlington, KMFA *89.5 Austin, KDLC-FM 94.3 Del Rio. Glenn suspects that KTAL-FM 98.1 Texarkana is \$, but needs some tropo help to be able to tell for certain.

JULY 1973

Deadlines:

12 Jul (48 FM5B)

10 Aug (55 TV5B)

12 Sep (6S 89)

STATISTICS

Editor:

Glenn Hauser

Box 300

Von Ormy TX 78073

88 MHZ FMDX RECORDS

MHz	Prop	Call	Location	Miles	Dxer, Location
88.1	Es	WAUP	Akron OH	1255	Glenn Hauser, Von Ormy TX
	Tr	KSOZ	Point Lookout MO	515	Russ Brown, Saint Joseph MI
	MS	KDPS	Des Moines IA	900	Glenn Hauser, Von Ormy TX
	Au	KSOZ	Point Lookout MO	515	Russ Brown, Saint Joseph MI
88.3	Es	KQED-	San Francisco CA	1375	Robert Cooper, Oklahoma City OK
	Tr	WHWC	Colfax WI	720	Robert Cooper, Oklahoma City OK
	MS	WHWC	Colfax WI	855	Larry Vogt, Springfield VA
	Au	WAER	Syracuse NY	525	Russ Brown, Saint Joseph MI
88.4	Es	TG	Guatemala Guat	1130	Glenn Hauser, Von Ormy TX
88.5	Es	WFCR	Amherst MA	1405	Robert Cooper, Oklahoma City OK
	Tr	WRAS	Atlanta GA	890	Glenn Hauser, Von Ormy TX
	MS	WFDD	Winston-Salem NC	1160	Glenn Hauser, Von Ormy TX
	Au	WFCR	Amherst MA	705	Russ Brown, Saint Joseph MI
88.7	Es	HRLP-	Tegucigalpa Hond	1260	Glenn Hauser, Von Ormy TX
	Tr	WSIE	Edwardsville IL	820	Glenn Hauser, Von Ormy TX
	MS	WHA-	Madison WI	1080	Glenn Hauser, Von Ormy TX
	Au	WHA-	Madison WI	685	Fred McCormack, Des Lacs ND
88.8	Es	TGRT-	Guatemala Guat	1130	Glenn Hauser, Von Ormy TX
88.9	Es	WEKU	Richmond KY	2000	Jim Pizzi, Santa Maria CA
	Tr	WKES	Chattanooga TN	875	Glenn Hauser, Von Ormy TX
	MS	WKES	Chattanooga TN	875	Glenn Hauser, Von Ormy TX
	Au	WEKU	Richmond KY	675	John Ebeling, Bloomington MN

Additional recent contributors of 88 MHz candidates: R.N. Allen, Dyer, Hauser, Wood. In order to prevent a proliferation of records due to frequency variation, we propose lumping together all frequencies within each of 200 100-khz wide channels: e.g. 88.650-88.749 includes HRLP, measured on 88.66 at one time. Comments?

CHANNEL 3 SKIP TVDX RECORDS

Call	Location	Miles	Dxer, Location
WRBL-	Columbus GA (AL)	1955	Dennis Smith, Wasco CA
KTVK	Phoenix AZ	1895	Richard Nieman, Buffalo NY
KIEM-	Bureka CA	2470	Tom Yingling, Dundalk MD
KCRA-	Sacramento CA	1395	Ed Rugel, Independence KS
KEYT	Santa Barbara CA	2225	Robert Seybold, Dunkirk NY
KDZA-	Pueblo CO	960	Al Preston, San Francisco CA
KTVS	Sterling CO	1240	Morris Sorensen, Emsdale Ont
WTIC-	Hartford CT	2495	Robert Cooper, Fresno CA
WEAR-	Pensacola FL	1905	Robert Cooper, Fresno CA
WEDU	Tampa FL	1735	Fred McCormack, Des Lacs ND
WSAV-	Savannah GA	2405	Doris Johnson, Longview WA
KMAU-	Wailuku HI	2585	Doris Johnson, Longview WA
KID-	Idaho Falls ID	1675	Steve Weinstein, Pittsburgh PA
WGIA	Champaign IL	1465	Morris Foote, Middleton ID
WSIL-	Harrisburg IL	1825	Doris Johnson, Longview WA
KGLO-	Mason City IA	1465	Robert Cooper, Fresno CA
KARD-	Wichita KS	1505	Chislain Girard, Arvida PQ
WAVE-	Louisville KY	1930	Ed Hepp, Portland OR
KATC	Lafayette LA	1445	Dave Egan, Valleyfield PQ
KTBS	Shreveport LA	1785	Doris Johnson, Longview WA
WJNN	Escanaba MI	1315	Glenn Hauser, San Antonio TX
WKZO-	Kalamazoo MI	1835	Robert Cooper, Fresno CA
KDAL-	Duluth MN	2630	Robert Mellen, Ice Island T-3 (71°52'N/160°20'W)
WLBT	Jackson MS	1965	Doris Johnson, Longview WA
KTVO	Kirksville MO	1585	Doris Johnson, Longview WA
KYTV	Springfield MO	1640	Doris Johnson, Longview WA
KRTV	Great Falls MT	1880	Jerry Pullice, Staten Island NY
KYUS-	Miles City MT	1140	Harold Cooper, Westland MI
KLNE-	Lexington NE	1340	Paul Luchter, Oceanside NY

Logos

3 KTVK-TV

3 KTVS-TV

WSAV-TV 3

KID TV 3
MASON CITY IDAHO FALLS
BLACKFOOT • POCATELLO

KGLO-TV
CHANNEL 3

3
MASON CITY

WAVE-TV 3
LOUISVILLE

C. M. Stanbury II, Crystal Beach, Ontario, Canada: "Although FM sound broadcasting in this country is still several years away, the hottest electronic topic continues to be whether it will be UHF or the regular 88 to 108 mHz VHF allocation." Stan is speaking not of Canada, of course, but of Australia. I have a copy of the Australian Broadcasting Control Board's report, Frequency Modulation Broadcasting, in which the arguments for placement of FM broadcasting in what is left of the 88-108 mHz band (most of it is allocated to television) or giving FM 40 mHz of UHF spectrum space are advanced. The report makes the recommendation that FM stations operate in the band 520 to 560 mHz, and that this would give the Australian electronics industry an exclusive product, since its FM band would be different from that of any other nation in the world, and thereby keep out low-cost foreign imported radios and foreign-made transmitting gear. Former WTFDA member Don Voegelé, now living in Australia, has been trying to get the ABCB to reverse itself and give Australia FM service in the VHF band, even if it's only part of the 88-108 mHz band.

In Canadian news, the CRTC has denied an application by CHIN-FM Toronto to change from 100.7 to 107.1, because "it is not appropriate to allocate a new FM channel in the Toronto area until consideration of its FM policy is completed." Looking into the CRTC's list of definitions, they include the following as fitting the category "Music - General Interest" (which AM stations would presumably adhere to, according to their policy): pop, country, rhythm and blues and rock; easy listening, middle-of-the-road, mood; protest, satire, political and social comment; novelty compositions, and popular arrangements of classical music, jazz or folk songs. The category "Music - Traditional / Special Interest" (what FM stations would most likely have to program) includes: classical music, opera and operetta, musical theatre productions, traditional folk songs and dances usually of anonymous origin; religious music; jazz. The CRTC also informs me that the EHAAT of CKQN^{FM}-FM^{99.3} Baker Lake, N. W. T. is -50' (60 watts), and that CBO-FM 103.3 Ottawa is 1083' (70000 h, v). There is nothing definite concerning the move of any Canadian FM station to the new Canadian National tower: "The new communications tower is not yet complete in Toronto and I am informed contracts have not been finalized with the stations who have expressed interest in going on to that tower."

A design engineer with Delco Electronics, living in Kokomo IN, sent detailed information on stations having vertical polarization, including a cross-checking with the FM Atlas and phone inquiries of a number of stations. Newly-discovered stations with v: WXRT 93.1 Chicago, WDRQ 93.1 Detroit; WWJ-FM 97.1 Detroit; WBNS-FM 97.1 Columbus; WMZK 97.9 Detroit; WGCL 98.5 Cleveland; WFMK 99.1 East Lansing; WILL-FM *90.9 Urbana; WGUC *90.9 Cincinnati; WABX 99.5 Detroit; WLEN 103.9 Adrian MI; KNX-FM 93.1, KMET 94.7, KFSG 96.3 Los Angeles; KWIZ-FM 96.7 Santa Ana CA; KAGB 103.9 Inglewood CA; WYMO 98.3 Monroe MI; KOOL-FM 94.5 Phoenix. WIUC 98.3 Winchester IN is listed both \$ and v. He also supplied a list of FM stations broadcasting with a 67 kHz subcarrier (see May VUD, p. 16), consisting of the following stations not on John Ebeling's list:

WHME 92.5 Toledo, WVLK-FM 92.9 Lexington KY, WART 93.1 Chicago, WQFM 93.3 Milwaukee, WJFM 93.7 Grand Rapids MI, WXTA 94.3 Greencastle IN, WJKL 94.3 Elgin IL, WLRW 94.5 Champaign IL, WFBQ 94.7 Indianapolis, WFOL 94.9 Fairfield OH, WZUO-FM 95.7 Milwaukee, WPTW-FM 95.7 Piqua OH, WTVN-FM 96.3 Columbus, WLAV-FM 96.9 Grand Rapids MI, WNIW 97.1 Chicago, WISM-FM 97.3 Milwaukee, WHAS-FM 97.5 Louisville, WDSB-FM 97.5 Champaign IL, WMZK 97.9 Detroit, WNCI 97.9 Columbus, WANG 98.5 Coldwater MI, WBFQ 98.7 Detroit, WHIO-FM 99.1 Dayton, WIAI 99.1 Danville IL, WSMJ 99.5 Greenfield IN, WNIC-FM 100.3 Dearborn MI, WVTB 100.7 Terre Haute, WITL-FM 100.7 Lansing MI, WSBT-FM 101.5 South Bend IN, WVEN 101.9 Springfield IL, WGLE 102.7 Oak Park-Chicago IL, WSOY-FM 102.9 Decatur IL, WNRZ 102.9 Ann Arbor MI, WPOK-FM 103.1 Pontiac IL, WFYR 103.5 Chicago, WDRB 103.7 Springfield IL, K11K 103.7 Waverport IA, WOJO 105.1 Evanston-Chicago, WUBE-FM 105.1 Cincinnati OH, WOOD-FM 105.7 Grand Rapids MI, WWTG 105.7 Peoria IL, WRFM 105.9 Elmwood Park IL, WPBF 105.9 Middletown OH, WKHM-FM 106.1 Jackson MI, WVNO 106.1 Mansfield OH, WDRK 106.5 Greenville OH, WVCY 107.7 Milwaukee.

The U. S. Federal Communications Commission is looking for comments from the public and the broadcasting industry on program conformity that radio program syndication services force on individual stations. I believe that a lot of the impetus for stations giving their full legal identifications only on the hour and rounding their frequency to "FM 97," etc., comes from syndication services -- and is the sort of thing the FM DXer can now react to, with the FCC promising to at least listen. Muzak is anti-syndie, claiming that the services will not affiliate with FM stations (such as those above) having a 67 kHz subcarrier, alleging that modulation has to be cut to 90% on such stations. That's 73 for this month.

WQED
1973
FM
STEREO

Radio made its international debut in Pittsburgh announcing the election of Warren Harding as President.

Fifty-three years later, we witness the birth of WQED-FM. It is guided by the same Pittsburgh educational broadcaster who introduced the first community-owned television station to the world.

23,000 posters and flyers, as well as dozens of street corner, mall and department store mini-concerts, have proclaimed the good news: a fine arts station on the Pittsburgh radio scene.

Primarily classical music will be heard from before dawn until midnight, seven days a week. Carefully a design calculated to inspire visions of our daily bread/flesh.

A fine arts station can help stimulate and encourage the cultural vitality of western Pennsylvania. Art affects us, affects the quality of our feelings and therefore the quality of life.

To reduce our car care may not at first appear monumental. But a knowing suspension has already been voiced that this new opportunity may prove far more impressive than any of us dared hope.

STATISTICS

AUGUST 1973

Deadlines:

10 August (5S TVSB)






12 September (6S 89)

11 October (7T FMSB)

Editor: Glenn Hauser
KOSU-FM, Okla. State Univ.
Stillwater OK 74074

Change of address

CHANNEL 4 SKIP TVDX RECORDS

Call	Location	Miles	Dxer, Location	Logos
WBRC-	Birmingham AL	1100	Laurence Pickerell, Longmont CO	  
WTVY	Dothan AL	1450	Fred McGormack, Des Lacs ND	
WRFL-	Columbus GA (AL)	1860	Morris Foote, Middleton ID	
KVQA-	Tucson AZ	1835	Robert Seybold, Dunkirk NY	
KARK-	Little Rock AR	1510	Robert Cooper, Fresno CA	
KRCA	Los Angeles CA	2185	Robert Cooper, Ithaca NY	
KRON-	San Francisco CA	2150	Frank Hill, Gallipolis OH	
KOA-	Denver CO	1370	King Schafer & Norma Erint, Kenmore NY	
			Richard & William Nieman, Buffalo NY	
			Robert Cooper, Fresno CA	
WRC-	Washington DC	2295	Chislain Girard, Arvida PQ	
WJXT	Jacksonville FL	1365	Kenn Cooper, Fresno CA	
WTVJ	Miami FL	2420	Carl Lupton, Shelbyville IL	
KULA-	Honolulu HI	4230	Les Prus, Manhattan KS	
KALD	Boise ID	1055	R. D. Waite, Orlando FL	
WBKB	Chicago IL	980	Doris Johnson, Longview WA	
WHBF-	Rock Island IL	1640	Doris Johnson, Longview WA	
WTTV	Bloomington IN	1900	Doris Johnson, Longview WA	
WOI-	Anes IA	1175	W. J. Golden, Oak Bluffs IA	
KTIV	Sioux City IA	1395	Jim Pizzi, Orcutt CA	
WWL-	New Orleans LA	1395	Fred McGormack, Des Lacs ND	  
WBE-	Boston MA	2565	Robert Cooper, Fresno CA	
WTOM-	Cheboygan MI	1365	Gordon Sinkin, Idaho Falls ID	
WVJ-	Detroit MI	1955	Robert Cooper, Fresno CA	
WCCO-	Minneapolis MN	1480	Robert Cooper, Fresno CA	
WCHI-	Columbus MS	1305	Karl Aiken, Kingston Jamaica	
WDAF-	Kansas City MO	1505	Doris Johnson, Longview WA	
KMOX-	Saint Louis MO	1480	Doris Johnson, Longview WA	
KXLF-	Butte MT	1865	Tom Yingling, Dundalk MD	
KDOH-	Hay Springs NE	1425	Dave Egan, Valleyfield PQ	
KHTL-	Superior NE	1270	Jim Pizzi, Santa Maria CA	
KCHL-	Reno NV	1210	Marv Garber, Lincoln NE	
KOB-	Albuquerque NM	1850	Maurice Dubreuil, Lavaltrie PQ	
WBEN-	Buffalo NY	1340	Jim Dillon, Regina Sask	
WRCA-	New York NY	2440	Robert Cooper, Fresno CA	
WRGB	Schenectady NY	1230	F. C. Meyers, Belleville KS	
WSYR-	Syracuse NY	1340	R. Ballew, Fort Worth TX	
WUNC-	Chapel Hill NC	1130	Glen Neal, Sayre OK	
KXJB-	Valley City ND	1355	Dennis Smith, Wasco CA	
WLWT	Cincinnati OH	1085	Laurence Pickerell, Longmont CO	
WNEK-	Cleveland OH	1045	R. Ballew, Fort Worth TX	
WLWC	Columbus OH	2035	Doris Johnson, Longview WA	
WKY-	Oklahoma City OK	1500	Doris Johnson, Longview WA	
KPIC	Roseburg OR	1335	Anthony Markewicz, Camp Morton Man	
WGal-	Lancaster PA	985	Bedford Brown, Hot Springs AR	
WTAE	Pittsburgh PA	1200	Fred McGormack, Des Lacs ND	
WCIV	Charleston SC	1135	Glen Neal, Sayre OK	
			Glenn Hauser, Von Ormy TX	
			Fred McGormack, Des Lacs ND	
			E. W. Fenderson, Portland ME	
WFBC-	Greenville SC	1320	Dennis Smith, Santa Barbara CA	
WMCT	Memphis TN	1190	Doris Johnson, Longview WA	
WSM-	Nashville TN	1835	John Parillo, Girard OH	
KGNC-	Amarillo TX	1290	Norris Doyle, Pittsburg CA	
KEDY	Big Spring TX	1440	Robert Seybold, Dunkirk NY	
KRLD-	Dallas TX	1640	Lance Muller, San Diego CA	
KROD-	El Paso TX	1375	Doris Johnson, Longview WA	
KJAC-	Port Arthur TX	1945	Albert Kopec, Himrod NY	
KGHT-	Harlingen TX	1490	Tom Yingling, Baltimore MD	
WOAI-	San Antonio TX	1845	H. L. Gerischer, Slayton MN	
KCFX-	Salt Lake City UT	1125		 
WTAR-	Norfolk VA	1125		

CFCN
TELEVISION

NOTE: Several of these ch 4 stations moved to other channels some 20-25 years ago where they are better known today!



STATISTICS

KOMO-	Seattle WA	2105	Robert Seybold, Dunkirk NY
KXLY-	Spokane WA	1875	Robert Seybold, Dunkirk NY
WOAY-	Oak Hill WV	1235	Fred McCormack, Des Lacs ND
WTMJ-	Milwaukee WI	1730	Dennis Smith, Wasco CA
CFCN-	Calgary Alta	1410	Morrie Goldsman, Chicago IL
CHAT-1	Pivot Alta	1180	Jim Pizzi, Santa Maria CA
"CBUT3"	Port Alberni BC	1015	Jim Pizzi, Orcutt CA
CFGR-	Kamloops BC	1080	Jim Pizzi, Orcutt CA
"CBWT2"	Lac du Bonnet Man	1180	Joe Kureth, New Windsor MD
"CBWT"	Winnipeg Man	1430	Robert Cooper, Fresno CA
CHSJ-	Saint John NB	1595	Bedford Brown, Hot Springs AR
CJCN-	Grand Falls Nfld	1375	John Robertson, Crosswell MI
CJCB-	Sydney NS	1880	Bedford Brown, Hot Springs AR
"CBOT"	Ottawa Ont (PQ)	1415	Glen Neal, Sayre OK
CFCH-	Québec PQ	1410	Bedford Brown, Hot Springs AR
CKRN-	Rouyn PQ	1345	Don Buland, Holly Hill FL
"CBKMT"	Moose Jaw Sask	1620	Tom Yingling, Dundalk MD
XELN-	Torreón Coah	1460	Frank Aden, Boise ID
XHIT-	Chihuahua Chih	965	Jim Pizzi, Orcutt CA
XHTV	México DF	1955	Morris Foote, Middleton ID →
XHG-	Guadalajara Jal	2090	Doris Johnson, Longview WA
TICTAG	San José C R	1140	Dick Clark, Ft Lauderdale FL
CMJ-	Camagüey Cuba	1535	Barney Rauch, Peoria IL
CMUR-	Habana Cuba	1460	Ferdinand Dombrowski, Watertown WI
HIT-	Cd Trujillo D R	1775	Bedford Brown, Hot Springs AR
YSU-	San Salvador E S	4125	Rodolfo Hasperus, Mar del Plata Argentina
QAX4U-	Lima Perú	1910	Otto Morroy, Paramaribo Surinam
WAPA-	San Juan PR	2260	Robert Cooper, Oklahoma City OK
YVLV-	Caracas Venezuela	3785	Robert Cooper, Fresno CA

P M SCOREBOARD

Dxer, Location	Stns	88-92	Es	MS	USA	Can	Mex	For	Sat	YB	As of
Glenn Hauser, Von Ormy area TX	897	151	661	43	39+	2	8	5	55	71	6 Jul
Richard E. Wood, Baton Rouge LA	722	87	285	15	38+	3	7	2	51	71	4 Jul
*Andy Bolin, Charleston IL	1003	133	129		43+	3	1	1	49	70	30 Mar
Glenn Hauser, Enid OK	519	29	275	41	39	4	5	1	49	65	29 Jun
Robert Seybold, Dunkirk NY	701	85	296	8	40	4	2	2	48	60	30 Jun
Mr. Pat Dyer, San Antonio TX	483	57	364	4	38	2	6	2	48	70	4 Jul
Bruce Elving, Duluth & Adolph MN	1172		511	5	42+	3	1	0	47	48	8 Jun
John Ebeling, Bloomington MN	756	92	344	11	40+	4	2	0	47	48	1 Jul
Fred Norquist, North Syracuse NY	486	61	114	7	38+	2	0	2	43	69	7 Jun
*Shelby Remington, New Haven CT	374	63	57	5	35+	2	0	1	39	70	3 Apr
*Ron LeBlanc, Marrero LA	397	61	103	2	29	2	3	4	38	71	4 Mar
Peter Sawatzky, Waterloo Ont	275	30	68	7	28	1	0	0	29	71	17 Jun
*Dennis Moe, Saint Ansgar IA	304	32	33	0	27	2	0	0	29	70	5 Mar
*Les Prus, Manhattan KS	85	16	10	0	19+	1	0	0	21	70	25 Dec
*Richard T. Steinberger, Hudson MA	216	35	9	1	17	2	0	0	19	58	8 Apr
*Adela Ossowski, Erie PA	109	31	5		13+	1	0	0	15	59	10 Apr
Anthony Markewicz, Camp Morton Man	69	8		0	14	1	0	0	15	72	31 Dec
Wayne Ebeling, Bloomington MN	180	29	19	1	13	0	0	0	13	72	30 May
Joseph Smith Jr, Johnson City NY	155	14			10+	1	0	0	12		9 Jun
Anthony Markewicz, Winnipeg Man	88	6	75	0	8	3	0	0	11	72	31 Dec
*Richard Wood, Medicine Hat area Alta	76	5	75	0	8	1	1	0	10	72	3 Nov
*Dennis Moe, Ames IA	95	10	0	0	9	0	0	0	9	72	5 Mar
*Dennis Smith, Wasco CA	184	21	36	1	7	0	1	0	8	52	3 Mar
Ken Simon, West Palm Beach FL	40	11	5	0	6	0	0	0	6	66	1 Jun
*Frank Wheeler, Erie PA	87	4	0	0	4	1	0	0	5	64	1 Mar
*Dennis Smith, Santa Barbara CA	74	8	0	0	1	0	1	0	2	51	3 Mar
Ken Simon, West Palm Beach FL (QSL)	8	5	2	2	3	0	0	0	3	66	1 Jun

NOTE: We propose hereafter to alternate scoreboard orders by station total and by "saturation" (Can anybody think of a better name for the latter?) Thanks to Anthony (ex-Joe) Markewicz for splitting his two Manitoba totals. Bruce Elving's figures do not conform to Statistics Guidelines; Richard Wood's do, although he disagrees with them extensively.

AURORAL TVDX: Several times we have requested such data, but response has been extremely small. WHY? DXing Au TV audio should be no harder than FM, for which there are MANY Au records!! 73, Glenn

**YOU CAN STAY WITH IT.
ALL SUMMER.**

WESTERN FM DX

Editor:
Mike Dorner, Jr.
Box 988
Nome, Alaska 99102

Reports must reach Nome by the tenth of the month; use air mail. Surface mail takes a week or more.

Pat Dyer, 5315 Silvertip Drive, San Antonio, Texas 78228 (CST)

(Ed. note: This report reached me too late for last month's column.)

May 10 2209 KDNT-FM 106.1 Denton TX (260 mi), "Solid gold" MOR... 2240 KGAF-FM Gainesville TX (310 mi) C&W, ID... 2343 KOAX 105.3 Dallas TX (250 mi) PSA & ID.

May 11: 0120 KXOL-FM 99.5 Fort Worth TX (240 mi) MOR... 0125 KLLL-FM 96.3 Lubbock TX, C&W (350 mi)... 0138 KWLW 93.9 San Angelo TX (180 mi), announcing as 24 hours... 0954 KGAF Gainesville TX, local ads... 0956 KLBK-FM 94.5 Lubbock TX, ID, EL format... 1001 KSEL-FM 93.7 Lubbock, ID & local ads, "The Rock of Lubbock." 1020 KAMC 94.9 Arlington TX (245 mi) local items. May 12: lots of lightning scatter on Houston area trop.

May 15: 0729 WPXI 95.1 Charleston SC (1115 mi) EL soon gone. About the earliest I've ever noticed Es MUF into FM band. 1035-1045 some 88.5 Es, likely Ohio area. 2010 94.5 Es Briefly.

May 16: 1215 Es begins near 94.1... 1230 WTOG-FM 94.1 Savannah GA (1040 mi) MOR... WARI-FM 94.3 Abbeville AL (795 mi). Secant law tives MUF 110 mhz, C&W format, local ads ... 1240 WFAV 98.3 Cordele GA (890 mi) full ID, local ads; C&W... 1247 WSGF 95.5 Savannah GA, ID, EL or MOR... 1258 WDWD-FM 92.1 Dawson GA (850 mi) McMasters, ID... 1259 WPXI ID and news; WBEU-FM 98.7 Beaufort SC (1065 mi), \$99, EL... 1315 WJAT-FM 98.3 Swainsboro GA (985 mi) ID... 13-- WATP-FM 94.3 Marion SC (1160 mi) local ad; 1334 WQDR 94.7 Raleigh NC (1225 mi) rock FM 94, ID (ex-WPTF-FM)... 1337 WSPA-FM 98.9 Spartanburg SC (1020 mi) ID and PSA... 1340 WFBC-FM 93.7 Greenville SC (1000 mi) local ad; hit-parade well in over KTBC- Austin... 1345 WEPB 90.1 Greenville SC, ID; rough with KSYM on.... 1348 WPMX 105.7 Statesville NC (1100 mi), WLET-FM 106.1 Toccoa GA (950 mi), full ID, local ad. Secant law gives MUF of 115 mhz)... 1355 WRDX 106.5 Salisbury NC (1110 mi) psa and full ID... WROQ 95.1 Charlotte NC (1085 mi) rock ID (ex-WRNA)... 1405 abt last of FM Es; the most productive FM Es since June last year.

May 18: 1925 WSCI 89.3 Charleston SC (1115 mi) with ID, psa... WPXI 95.1 tent EL ... fade out 1940.... 2153 KBPO 94.1 Beaumont TX (275 mi) EL... 2233 WQUE 93.3 New Orleans LA (510 mi) local ads, ID; EL

May 19: 0143 WBYU 95.7 New Orleans LA (510 mi) ID, EL... 0210 WKRG-FM 99.9 Mobile AL (630 mi) ID, hit parade... 0222 WIXO 98.5 New Orleans LA, rock ID... 0228 WVMI-FM 93.7 Biloxi MS (580 mi) c&w, ID... 0237 WKXI 94.7 Jackson MS (525 mi) rock, ID... 2025 KBLT 94.5 Harlingen TX (235 mi), ID. Looking for Es but instead found more trop. 2028 WPCS 89.3 Pensacola FL (675 mi) wx and ID.... 2228 KVMV 96.9 McAllen TX (215 mi) religious pgming, ID.

May 20: 0053 KAMC 94.9 Arlington TX (245 mi) local ads... 0200 KSCS 96.3 Fort Worth TX (240 mi) ID, C&W... KSPB-FM 95.5 Diboll TX (260 mi) id, c&w... WKRG-FM end CBS nx... 0210 KDNT-FM 106.1 Denton TX (260 mi) id... 0215 WVMI-FM psa... 0216 WMEZ 94.1 Pensacola FL (675 mi) id, el... 0230 WRR-FM 101.1 Dallas TX (250 mi) "Holiday Inn" net. 0923 KBLT solidly blocking all else on 94.5... 0929 WNNQ 89.9 New Orleans LA (510 mi) id... 1006 KQXX 98.5 McAllen TX, id... 1959 WAFB-FM 98.1 Baton Rouge LA (450 mi), auto MOR... 2245 KTRM-FM 95.1 Beaumont TX, c&w.

May 21: 0131 KSPB-FM 95.5 Diboll TX, id... 0750 KOOI 106.5 Jacksonville TX, (250 mi) id, simul KEBE 1400... 0825 WQNZ Natchez MS 95.1 (450 mi) id, mor... 0855 KBFM 104.1 Edinburg TX (215 mi) news; and now the shocking revelation that Es was amidst all the TV and FM tropo... 0903 WKTN 95.3 Kenton OH (1110 mi), local news... 0922 WPCS Pensacola FL, not sure if trop or Es! Due to trop COI on most FM channels accurate MUF measurements not possible. Extremely spotty in and out Es 88-95, many 88-92's in... 1032 KBPO trop... 1058 W8IE 88.7 Edwardsville IL (790 mi) id... 1152 WVEE 88.1 Elkhart IN (1135 mi) id. Many others to 95.3 beyond 1230, with 88.7 in some by 1315. 2040 WPCS on trop; probably a lot more but all the UHF TV goodies got priority attention from me most of the evening.

May 22: 0057 WKXI 94.7 Jackson MS, soul... 0100 XHPL 98.5 Ciudad Acuna, Coah. Mexico (145 mi) s/off... 0210 XET-FM 94.1 Monterrey NL Mexico (270 mi) EL... 1946 "Radio Fabulosa" 88.8 Guatemala City, Guatemala (1120 mi), briefly and again 1955-2005 choppy, Es.

May 23: 1128, Es to 88.3... 1203 several 88-92 un-id's with NPR Watergate Coverage. 1217 WWSW-FM 94.5 Pittsburgh PA (1280 mi), id, local ads... 1225 WQUB-FM 91.3 Athens OH (1130 mi) id and psa. 1232 WAMO-FM 105.9 Pittsburgh PA, local ads. 1250, Likely fade-out. 1523 Es again and rapidly rises. 1525 WGGL 98.5 Cleveland OH (1235 mi) local ads; soon out again. 1620 88-92 mhz Es rising up once more. 1628 WYSU 88.5 Youngstown OH (1260 mi) full ID; 1645 WBFG 98.7 Detroit MI (1240 mi) tentative, religious pgming; 1651 WCHD 105.9 Detroit MI (1240 mi) local ads. 1655 WVIC-FM 94.9 East Lansing MI (1170 mi) id, tent WWW 106.7 Detroit, rock... 1659 WLNK 106.3 Lansing IL (1000 mi) end nx, id... 1700 WOOD-FM 105.7 Grand Rapids MI (1140 mi), full id... 101 WHFI 94.7 Birmingham MI (1220 mi) id, psa... 1720 WJML-FM 98.9 Petoskey MI (1280 mi) full ID... 1724 WAUK-FM 106.1 Waukesha WI (1070 mi) id, mention Milwaukee... 1725 WZLU 95.7 Milwaukee WI (1070 mi) id, rock... 1727 WWRM-FM 106.7 Gaylord MI (1270 mi), ch 29 promo... 1732 WNUW 99.1 Milwaukee WI, id \$ 99... 1731 WTMJ-FM 94.5 Milwaukee WI, id, el... 1734 WGIL-FM 94.9 Galesburg IL (885 mi), mention town... 1735 tent WTCM-FM 103.5 Traverse City MI (1235 mi), psa's... 1737 WZMF 98.3 Menomonee Falls, WI (1070 mi) Milwaukee ads ... 1743 WELI-FM 98.5 Freeport IL (985 mi) id in contest promo... 1745 WAPL-FM 105.7 Appleton WI (1120 mi) Brewers game; WVRW 103.3 Wisconsin Rapids WI (1090 mi), same; tent WBEV-FM 95.3 Beaver Dam WI (1085 mi) same... 1800 WMAF-FM 106.3 Middleton WI (1040 mi) c&w... WLVE 94.9 Baraboo WI (1050 mi) id, el format... 1813 WSPT-FM 97.9 Stevens Point WI (1120 mi) id... 1828 WPBF 105.9 Middletown OH (1030 mi) id, el format... 1859 WGGL 91.1 Houghton MI (1270 mi) id, very spotty with last 88.1 gasp apx 1933.

May 24: 0900 KBIM-FM 94.9 Roswell NM (440 mi) c&w... 0909 KLBK-FM 94.5 Lubbock TX (350 mi) el... 1625 KCLC 89.1 St Charles MO (770 mi) rock, all out by apx 1630.

May 25: 1635 Es on 88.8 turns out to be "Radio Fabulosa," Guatemala City, Guatemala (1120 mi) speeches and Latin mx... 1640 88.1 with various EL, MOR, etc mx, prbly also Guatemala City--vy few anmmts compared to others; 98.6 "Radio Mundial" Guatemala City, vy strong, id; 94.9 EL prbly "Radio Centroamericana" Guatemala City... 1715 YSR-FM 89.0 (?) San Salvador, El Salvador (1200 mi), ID... 2307 KGSN 88.5 Northridge CA (1195 mi) id, sports nx.

May 26: 1247 KPCC 89.3 Pasadena CA (1180 mi)... 1258 KGSN 88.5 Northridge CA agn ... 1249 KBBY 95.1 Ventura CA (1250 mi) rock... 1318 tent KFAC-FM 92.3 Los Angeles CA (1190 mi)... 1345 KLYD-FM 94.1 Bakersfield CA (1250 mi) nx... 1357 then suddenly KALL-FM 94.1 Salt Lake City UT (1080 mi) el... 1359 KBYU 88.9 Provo UT (1050 mi); tent KCPX-FM 98.7 cci to KTXN... 1520 WGGC 95.1 Glasgow KY (875 mi) c&w; tent 95.5 WDOC-FM Prestonsburg KY (1055 mi)... 1527 WLLS-FM 106.3 Hartford KY (850 mi), mor. Implies MUF apx 120 mhz... 1528 WSAC-FM 105.5 Fort Knox KY (905 mi) local ad... 1529 WLEX 98.1 Lexington KY (975 mi) auto MOR... 1630 tent WPKI 95.1 Charleston SC, el and WSCI 89.3 Charleston likely... 1650 WSGF 95.5 Savannah GA (1050 mi) local ad.

May 28: 1818 WTOG-FM 94.1 Savannah GA, baseball Savannah vs. Jacksonville.

May 29: 1007 WGMU 89.5 Mount Pleasant MI (1200 mi).

Jun 2: 1459 WJVM 94.3 Sterling IL (950 mi) id, local ad... 1552 WIAL 94.1 Eau Claire WI (1090 mi) local ad. A rather poor FM showing considering all that Es on the TV well into ch 4 and 5 many times during the day.

Jun 3: I seem to have spoken too soon. 0919 WVFM 94.1 Lakeland FL (1000 mi) id ... 0935 tent 95.3 WTLN-FM Apopka FL (1020 mi) religious pgm, f/out apx 0940... 1125 KHET 94.7 Los Angeles CA (1190 mi) id, local ad, rock... 1130 KFGD-FM 94.1 San Diego CA (1120 mi) id, classical... 1135 XHIS 90.3 Tijuana BCN, Mexico (1120 mi) id, rock... 1137 KALJ 95.1 Yuma AZ (975 mi) local ad... 1140 KVMJ 93.7 Coachella CA (1055 mi) Spanish pgming... 1143 KOOL-FM 94.5 Phoenix AZ (840 mi) id... 1145 KNST 105.9 Los Angeles CA (1190 mi) local ad, id, el... 1149 KUPD-FM 97.9 Tempe AZ (835 mi) area ads, rock... 1200 KPRI 106.5 San Diego CA (1120 mi) local ads... 1210 WPEH-FM 92.1 Louisville GA (975 mi) local ads, id... 1215 WBEU-FM 98.7 Beaufort SC (1065 mi) \$99 id, el... tent WDSB 94.7 Dover DE (1440 mi) auto race. ... 1224 WSRW-FM 106.7 Hillsboro OH (1060 mi) Reds game... 1225 WFVR 94.9 Roanoke VA (1180 mi) local ads... 1229 WPBF 105.9 Middletown OH (1030 mi) id... 1230 WSB-FM 98.5 Atlanta GA (875 mi) id... 1245 WSLM-FM 98.9 Salem IN (920 mi) id... 1247 WMRI 106.9 Marion IN (1020 mi) local ads Indiana towns... 1249 WSA-FM 98.9 Spartanburg SC (1060

mi) id and ads... 1256 WMRN 106.9 Mario IN (1125 mi) call letter id... 1259 WKDZ-FM 106.3 Cadiz KY (790 mi) id... 1302 WVHI 105.3 Evansville IN (840 mi) id, religious pgm... 1316 WFOL 94.9 Fairfield OH (1020 mi) psa... 1318 KKLS-FM 93.9 Rapid City SD (1050 mi) local ad, rock... 1329 WGIL-FM 94.9 Galesburg IL (885 mi) local ad... 1330 WYEN 106.7 Des Plaines IL (1020 mi) Chicago area; WSWT 106.9 Peiora IL (895 mi) id-- implies MUF apx 120 mhz... 1335 KRXL 94.5 Kirksville MO (790 mi) Royals baseball... 1345 KWMT-FM 94.5 Fort Dodge IA (895 mi) id... 1358 WPTH 95.1 Fort Wayne IN (1070 mi) id... 1359 WHIO-FM 94.3 Hardinsburg KY (880 mi) id... 1400 WOOD-FM 105.7 Grand Rapids MI (1140 mi) local ad... 1405 WFMT 98.7 Chicago IL (1020 mi) local ad, id at 1422... 1407 WSWP-FM 98.9 Paintsville KY (1060 mi) id, nx... 1403 WNCI 97.9 Columbus OH (1120 mi) id, wx... 1413 WMIX-FM 94.1 Mount Vernon IL (805 mi) local ads... 1427 WZUU 95.7 Milwaukee WI (1070 mi) local ads... 1428 WLNK 106.3 Lansing IL (1000 mi) id... 1429 WBEI 95.3 Xenia OH (1060 mi) id //WGIC 1500 khz... 1430 WPCJ 93.7 Milwaukee OH (1055 mi) id... 1431 WFMS 95.5 Indianapolis IN (975 mi) local wx, id... 1437 WLLS-FM 106.3 Hartford KY (850 mi) local ad, implying MUF apx 120 mhz... 1443 WQLR 106.5 Kalamazoo MI (1145 mi) local ad, wx, id... 1500 WDUQ 90.5 Pittsburgh PA (1280 mi) local wx... 1525 KESD 88.3 Brookings SD (1010 mi) Folk mx, full id at 130... 1545 KBKRF-FM 94.3 Brookings SD, tent, \$94 wx... 1558 KYTN 94.7 Grand Forks ND (1220 mi) id, mor, \$95... 1600 KWIM 98.7 Moorhead MN (1220 mi) id, auto MOR \$98. KESD, KYTN and KWIM were in very well to after 1630... 1825 Es out

Jun 4: 1213 low 88 Es, suspected to N.E., spotty up and down to 95.3, many un-id. 1257 KILA 95.5 Henderson NV (1050 mi) religious... 1304 KLUO-FM 98.5 Las Vegas NV (1070 mi) id, local psa... 1309 KWMM-FM 93.5 Show Low AZ (735 mi) state and area nx; muf 114 mhz... 1315 tent KVEG-FM 92.3 Las Vegas, voting psa... 1323 WRVQ 94.5 Richmond VA (1315 mi) id, super rock "Super Q"... 1335 WFET-FM (?) 98.7 Greensboro NC (1175 mi) MOR id... 1342 WSWP-FM 98.9 Paintsville KY (1060 mi) local ad; WKPT-FM 98.5 Kingsport TN (1020 mi) MOR, nx, id... 1343 WLRJ 92.3 Roanoke VA (1180 mi) local ads, id... 1345 WRGT-FM 106.5 Clarksburg WV (1210 mi) rock, id... 1348 WWSW-FM 94.5 Pittsburgh PA (1280 mi) local ads... 1408 WRNS 95.1 Kinston NC (1270 mi) id... 1413 WQDR 94.7 Raleigh NC (1225 mi) id... 1428 KJOI 98.7 Los Angeles CA (1190 mi) id, \$99, el... 1447 KMET 94.7 Los Angeles CA id... 1500 KFSD-FM 94.1 San Diego CA (1120 mi) nx, id... 1510 "Radio Mundial" 98.6 Guatemala City, Guatemala (1120 mi)... 1515 KALW 95.1 Yuma AZ (975 mi) nx... 1520 KXYI 96.5 San Diego CA (1120mi) nx, sports, id... 1524 KOZN-FM 103.7 San Diego CA (1120 mi) c&w, id, "cousin"... 1528 WLBK-FM 96.7 Bowling Green KY (855 mi) id... 1531 KVOY-FM 95.1 Yuma AZ (975 mi) psa's, id... 1548 KWST 105.9 Los Angeles CA (1190 mi) id "K-west"... 1558 KPAC-FM 92.3 Los Angeles CA (1190 mi) id, cx; KOOL-FM 94.5 Phoenix AZ (840 mi) id... 1602 KWIM 93.7 Coachella CA (1055 mi) Eng/Spanish id... 1610 KQYN 95.7 29 Palms CA (1065 mi) ad for Yucca Valley... 1613 KRPM 95.5 Phoenix AZ (840 mi) id; KTRAR-FM 98.7 Phoenix AZ (840 mi) tent, rock, muf 110 mhz... 1615 KMCR 91.5 Phoenix AZ (840 mi) AZ wx... 1620 WQDR 94.7 Raleigh NC (1225 mi) id... 1630 KALW agn with el... 1743 WZKU 88.9 Richomd KY (990 mi) id, f/out apx 1750.

Jun 5: 0840 Es 89.3, other Es up to 94.3 by 0900 and 98.7 by 0905, all un-id. 0913 WVFV 94.1 Lakeland FL (1000 mi) id... 0917 WJNO-FM 97.9 Palm Beach FL (1130 mi) id... 0920 WQIK-FM 99.1 Jacksonville FL (1000 mi) local ad... 0943 WSGF 95.5 Savannah GA (1050 mi) id... 0947 WOKA-FM 106.7 Douglas GA (930 mi) el, id; muf 115 mhz... 0958 WARI-FM 94.3 Abbeville AL (795 mi) id, local ads... 1000 WJAX-FM 95.1 Jacksonville FL, id... WTVY-FM 95.5 Dothan AL (790 mi) local ad... 1005 WTQC-FM 94.1 Savannah GA (1050 mi) end CBS nx, id... 1018 WJCT-FM 89.9 Jacksonville FL, mention town... 1030 WSOR 95.3 Fort Meyers FL (1035 mi) id, religious pgming... 1032 WLCY-FM 94.9 Tampa FL (975 mi) Tampa mx... 1037 WGMW 94.3 Riviera Beach FL (1125 mi) id; WAXY 105.9 Fort Lauderdale FL (1140 mi) id, "classic gold"... 1042 WFLL-FM 106.7 Fort Lauderdale, local ads, id... 1047 WMMR 100.7 Fort Lauderdale, area ads, id... 1050 WINK-FM 96.7 Fort Meyers FL (1035 mi) local ad... 1058 WSHS 103.5 Fort Lauderdale, rock... 1114 WBUS 93.9 Miami Beach FL (1145 mi) rock, promo... 1123 WEDR 99.1 Miami FL (1150 mi) local ad, soul... 1117 tent WTHS 91.3 Miami FL, SS lessons and WQXK 92.1 Hialeah FL (1140 mi)... 1140 WDNJ 94.5 Daytona Beach FL (1065 mi)... 1145 WFOJ 93.7 Miamisburg OH (1055 mi), local ads; WFBQ 94.7 Indianapolis IN (975 mi) Marion County... 1208 KCKN-FM 94.1 Kansas City KS (675 mi) local ad; muf 120 mhz... 1214 KWMT-FM 94.5 Fort Dodge IA (895 mi) \$94 id... 1218 KNEB-FM 94.1 Scottsbluff NE (875 mi) local ad... 1219 KKLS-FM 93.9 Rapid City SD (1050 mi) SD nx... 1232 tent WBAQ 97.9 Greenville MS (515 mi) mention of Greenville-Cleveland; muf of 150 mhz!... 1248 WGNF-FM 98.5 Panama City FL (775 mi) id, \$98, muf of 116 mhz... 1300 WTUB-FM 105.7 Troy AL (755 mi) c&w, id, muf 128 mhz... WSPB-FM 106.3 Sarasota FL (985 mi) mention town... 1305 WBGW 98.9 Tallahassee FL (850 mi) local wx, \$98... 1317 WCKW 92.3 Laplace LA (485 mi) parish wx; muf 148 mhz!... 1317 tent WQUE 93.3 New Orleans LA (510 mi) el... 1325 WMMI-FM 93.7 Biloxi MS (560 mi) \$94, previously by trop... 1328 WMEZ 94.1 Pensacola FL (675 mi) el, previously by trop... WPCS 89.3

Pensacola FL (675 mi) religious, previously by tropo... 1335 WPUZ 93.7 Ocala FL (985 mi) ... 1352 WMAZ 99.1 Macon GA (905 mi) paa, id... 1353 WBKR 92.5 Owensboro KY (850 mi) local ad... 1355 WCLA-FM 107.1 Claxton GA (1000 mi) local nx; KCFM 93.7 St Louis MO (790 mi) id, prior by meteor scatter... 1405 WFMS 95.5 Indianapolis IN (975 mi) id; WNVA-FM 106.3 Norton VA (1040 mi) mention of town... 1413 WMIX-FM 94.1 Mount Vernon IL (805 mi) local ads... 1416 WDLT 92.7 Cleveland MS (535 mi) id, muf 139 mhz... 1417 WTAI 99.1 Danville IL (930 mi) local ads... 1420 KRXL 94.5 Kirksville MO (790 mi) local wx... 1440 WLNR 106.3 Lansing IL (1020 mi) area ads... 1442 WFML 106.5 Washington IL (885 mi) ads, id, muf 118 mhz... 1443 WHIO-FM 99.1 Dayton OH (1080 mi) id, wx... 1447 WSWT 106.9 Peoria IL (895 mi) local ad... 1450 WRAY-FM 98.1 Princeton IN (850 mi) local ads, o&w... 1500 WPCJ 93.7 Miamisburgh OH (1055 mi) id... 1503 WSAB 94.9 Mount Carmel IL (870 mi) id WPTH 95.1 Fort Wayne IN (1070 mi) local item... 1509 WPTW-FM 95.7 Piqua OH (1065 mi) area ad... 1513 WANG 98.5 Coldwater MI (1115 mi) id //WTVB... 1521 WCLV 95.5 Cleveland OH (1255 mi) local wx... 1530 WVIC-FM 94.9 East Lansing MI (1170 mi) id... 1532 WOOD-FM 105.7 Grand Rapids MI (1140 mi) id, local ads... 1536 WPMK 99.1 East Lansing MI (1170 mi) local ad... 1558 WUOM 91.7 Ann Arbor MI (1180 mi) id... 1605 WJBL-FM 94.5 Holland MI (1120 mi) local ad... 1607 WZUU-FM 95.7 Milwaukee WI (1070 mi) id, rock. T This was about the slowest point of day with the number of signals in... 1620 WRVQ 94.5 Richmond VA (1315 mi) local ad... 1643 WXRA 105.9 Woodbridge VA (1350 mi) o&w, local ads, id... 1644 WYEN 106.7 Des Plaines IL (1020 mi) Chicago commuter train info... 1658 WAMC-FM 105.9 Pittsburgh PA (1280 mi) id... 1700 CHFI-FM 98.1 Toronto ONT, Canada (1400 mi) nx... WRGT-FM 106.5 Clarksburg WV (1210 mi) local wx... 1706 WDBN 94.9 Medina OH (1200 mi) id, el... 1711 WJML-FM 98.9 Petoskey MI (1280 mi) id... 1713 KBMR-FM 94.5 Bismarck ND (1160 mi) id... 1714 CHSC-FM 105.7 St. Catharines ONT, Canada (1395 mi) local ad... 1745 KPMU 94.9 Kansas City MO (680 mi) id, ads, muf 121 mhz... 1746 WNOR-FM 98.7 Norfolk VA (1360 mi) nx, wx... 1748 WSRW-FM 106.7 Hillsboro OH (1060 mi) local ads, Reds bb... 1755 WTMB-FM 98.9 Tomah WI (1060 mi) id... 1758 WQGL 98.5 Cleveland OH (1235 mi) local ad, id... 1807 WPFB 105.9 Middletown OH (1030 mi) id; GJOY-FM 106.1 Guelph ONT, Canada (1365 mi) id... 1810 KWIM 98.7 Moorhead MN (1225 mi) id, rock... 1815 WLDM 95.5 Detroit MI (1240 mi) local ad, id \$95... 1817 WCTL 106.3 Union City PA (1315 mi) id... 1834 WKHM-FM 106.1 Jackson MI (1150 mi) local ad... 1837 WHFI 94.7 Birmingham MI (1220 mi) id \$94... 1850 thunderstorms in area not helping with lightning crashes; GJOY-FM agn... 1852 WZZM-FM 95.7 Grand Rapids MI (1140 mi) id, rock... 1912 WFPC 95.5 Wausau WI (1140 mi) id, rock... 1917 WWWW 106.7 Detroit MI (1240 mi) ads... 1918 WFDI 106.3 Columbia City IN (1060 mi) local wx... 1928 WQLR 106.5 Kalamazoo MI (1145 mi) local ads... 1930 WAUK-FM 106.1 Waukesha WI (1065 mi) id... 1936 KBRC-FM 94.3 Brookings SD (1010 mi) id... 1940 KEZZ 94.3 Aitkin MN (1160 mi) local ads ... 1942 ASTP-FM 94.5 Minneapolis MN (1110 mi) id, \$95 el... 1945 WAYL 95.7 Minneapolis MN (1110 mi) id... 1950 KWIM agn... 20001 WAZY-FM 96.7 Lafayette IN (975 mi) nx, id... 2006 WYCA 92.3 Hammond IN (1020 mi) local ad... 2025 WUCHD 105.9 Detroit MI (1240 mi) id and local ads... 2056 WLLS-FM 106.3 Hartford KY (850 mi) id, nx, muf 120 mhz... 2102 WHOK-FM 95.5 Lancaster OH (1130 mi) Reds bb, local ad... 2104 WPRM-FM 106.7 Gaylord MI (1270 mi) nx, id... 2105 WMBI 90.1 Chicago IL (1020 mi) wx, id, agn at 2205 ... 2118 WPMK 105.7 Statesville NC (1100 mi) id... 2122 WAPL-FM 105.7 Appleton WI (1120 mi) Brewers bb... 2129 WGIL-FM 94.9 Galesburgh IL (885 mi) id... 2153 WVKU 88.9 Richmond KY (990 mi) id... 2242 WDAI 94.7 Chicago IL (1020 mi) id, rock.. tent WDFH 95.5 and WFMT 98.7 Chicago. 2300 about the end of an unbelievable 14 hours-plus of FM Es.

Jun 6: Got in with this much later than I'd have liked to. I tried to concentrate on frequencies near locals, so probably missed many re-logs were missed. 0955 tent KROC-FM 106.9 Rochester MN (1020 mi) town mention, WSRW-FM 106.7 Hillsboro OH (1060 mi) area ad... 1002 WQLR 106.5 Kalamazoo MI (1145 mi) local ad... 1008 WANG 98.5 Coldwater MI (1115 mi) id... 1010 WCHD 105.9 Detroit MI (1240 mi) id, soul... 1013 WQMS 96.5 Hamilton OH (1020 mi) id, wx... 1014 WKBN-FM 98.9 Youngstown OH (1260 mi) id ... 1025 WITL-FM 100.7 Lansing MI (1170 mi) id //am... 1026 WOOD-FM 105.7 Grand Rapids MI (1140 mi) local ads... 1035 WJML-FM 98.9 Petoskey MI (1280 mi) id... 1029 WLRW 94.5 Champaign IL (915 mi) area ad... 1043 WZZM-FM 95.7 Grand Rapids MI (1140 mi) id, rock... 1055 KBMR-FM 94.5 Bismarck ND (1160 mi) local ads... 1103 WCRM-FM 95.3 Clare MI (1210 mi) nx, wx, id... 1105 WJBL-FM 94.5 Holland MI (1120 mi) mention town... 1115 CBW-FM 98.3 Winnipeg, Man., Canada. (1370 mi) wx? for Winnipeg... 1130 KYTN 94.7 Grand Forks ND (1220 mi) id... 1140 apx fade out.

Jun 8: 1735, spotty Es 88.3 to 98.5, and agn at 1814. 1820 WCAV-FM 94.1 Oak Hill WV (1140 mi) local ad, vy spotty stuff... 1900 WVMC 88.9 Buckhannon WV (1210 mi) id, ex, mx.

In my short time at FM DXing, the Es performance in the June 3-6 period is the

best I've come across. With simultaneous openings to east and west coasts for several hours there was ample chance for many to get double-hop on FM. It sometimes got to the point where hearing all those extra stations in seemed normal! With a little more selectivities to get so strong. The 93.1 Es logging and a 92.7 one are rare for me with local 92.9, etc. Also, the June 5 short-skip into Louisiana with the implications of an MUF around 150 mhz was a new thing for me, having heard similar Es behavior on 50 mhz many times (i.e., Florida and Louisiana at the same time). Total station count is now past 400 with over 300 on Es in 37 states. 73.

(Ed. note-- a good job, Pat. Anytime one gets both coasts, Central America, and Canada in one 48 hour period, the opening has to be remarkable.)

Richard Noel Allen Billings, Oklahoma 74630 (May 10 - June 12; All times CST)

This is my first report. Receiver is a Pioneer SX-300T. Antenna is a home-made 5 element yagi, approximately 20 feet.

May 10					
0735	Tr	90.7	KWMU	St Louis MO	445 nx; 0740 Morning Show mx
May 15					
1820	Es	88.9	XHM-	Mexico DF	1175 mx; ID "Un Oasis en FM"
1835		90.5	XEDA-	Mexico DF	1175 jazz
1845		89.7	XEBS-	Mexico DF	1175 romantic mx; ID "Su Chica Musical"
May 19					
0557	Tr	94.5	KGAF-	Gainesville TX	195 TSN nx; 0600 c&w mx
0623		107.9	KCIR	Corsicana TX	315 c&w mx; 0630 Ae nx
0643		101.1	WRR	Dallas TX	260 classical mx
0725		107.1	KSE0-	Durant OK	180 ONN nx
2338		93.9	KBUY	Fort Worth TX	255 c&w mx
May 20					
0046	Tr	97.1	KWXI	Fort Worth TX	255 mx
0111		102.1	KPWD-	Fort Worth TX	255 mx
May 23				Es MUF above 108 mhz from Eastern USA	
1240	Es	89.7	WDYN	Chattanooga TN	680 Chapel of the Air
1245		99.9	WPGF-	Burgaw NC	1090 rock mx; 1255 nx
1301		88.9	WEKU-	Richmond KY	720 nx
1808		89.7	WGSU-	Columbus OH	790 nx
1838		91.1	WFAM	Jacksonville FL	1000 Jacksonville Suns baseball
May 26				Tr from North Texas area	
0055	Tr	94.1	KDJW-	Amarillo TX	260 Solid Gold Rock and Roll
0713		95.1	KNT0	Wichita Falls TX	185 mx; TSN nx 0755; CCI KICT
0911		103.7	KVIL-	Dallas TX	260 rock mx
1001		97.9	WFAA-	Dallas TX	260 mx "The Velvet Sound"
1021		92.5	KAFM	Dallas TX	260 rock mx; coi KKing
1128		91.5	KANU	Lawrence KS	220 Jazz scene
May 28					
2059		94.9	KPMU	Kansas City KS	250 mx
Jun 1					
1838	Es	88.9	XHM-	Mexico City DF	1175 mx; ad Japan Air Lines
Jun 3				Es MUF above 108 mhz from Florida	
1256	Es	89.3	WPCS	Pensacola FL	720 hymns
1307		99.5	WQYK-	St Petersburg FL	1050 mx
Jun 4				Es MUF above 108 mhz from Florida	
0806	Tr	91.3	KOCV	Odessa TX	420 rock mx
1403	Es	100.3	WDIZ	Orlando FL	1090 rock mx
1416		100.7	WMJR	Fort Lauderdale FL	1220 mx
1424		101.1	WCKS	Cocoa Beach FL	1110 wx for "the Space Coast of Florida"
Jun 5				Es MUF above 108 mhz from Mexico and Eastern USA	
1134	Es	100.1	XHSP-	Monterrey NL	775 mx; ID "Stereoritm" & "XHSP-FM, 99.7 mhz, Monterrey NL" in SS
1221		93.2	XHQQ-	Monterrey NL	775 rock mx; "XEH" ID
1224		92.7	KOYE	Laredo TX	620 id, mx
1640		100.5	WLBG-	Laurens SC	890 nx interview
		100.5	WKEE-	Huntington WV	850 rock mx; 1655 nx
1706		104.3	WEBQ-	Augusta GA	880 rock mx
1709		107.3	WANS-	Anderson SC	820 Gospel mx, local church nx
1723		100.7	WGIG	Brunswick GA	990 rock mx; ABC nx 1730

1800	Es	94.5	WMUW	Greenville SC	830	nx; classical mx	1805
1834		95.5	WGSP	Savannah GA	980	mx	
1851		97.7	WBOP	Pensacola FL	720	Atlanta Braves baseball	
1924		91.1	WFAM	Jacksonville FL	1000	Jacksonville Suns baseball	
2010		90.7	WSMC	Collegedale TN	675	"Inquiring Mind"	
Jun 6	Es		MUF of	apprx. 101 mhz from		Florida and Manitoba	
0941	Es	99.9	WIYD	Palatka FL	1030	mx	
1242		97.5	CJOB	Winnipeg, Man	920	c&w mx	
1254		98.3	CBW	Winnipeg, Man	920	Canadian Concert Hall. cl mx	
Jun 7							
0638	Tr	90.5	KXCV	Maryville MO	310	Agri-News and Views; 0645 mx	
Jun 10							
0004	Tr	94.1	KCKN	Kansas City KS	250	nx, wx; 0006 c&w mx	
2202	Es	98.3	CBW	Winnipeg, Man	920	CBC nx; 2203 rock mx	
2257	Tr	96.5	KXTR	Kansas City MO	250	nx, sports, wx; s/off 2301	
Jun 12							
2004	Tr	94.5	KFLA	Scott City KS	210	nx, wx by YL; 2007 mx.	

(Ed. note: a good showing, Richard; welcome to the column. We hope to be seeing more of your reports. Again, let me urge readers living in the West to submit reports.)

Pat Dyer, WA5IYX 5315 Silvertip Drive San Antonio, Texas Jun-July 73

All times CDT. Jun 11: 1001 KSTP-FM 94.5 St Paul-Minneapolis MN (110 mi) id, el \$... brief Es outby 1050. 1740 Es on 94.1 turned out to be KFSD-FM San Diego CA (1120 mi) cl mx, \$... 1744 KALJ 95.1 Yuma AZ (975 mi) MOR \$ nx, ID... out by 1755.

Jun 12: 1847 KALJ 95.1 Yuma AZ, local ads, \$ el... 1859 KFSD-FM 94.1 San Diego CA... 1920 out. Rather odd to have an opening to same stations almost exactly 25 hours later than June 11.

Jun 13: 0925 WOCN-FM 94.9 Miami Beach FL (1150 mi) ads, it, auto el; WMGU 89.7 Miami FL (1150 mi) id, religious prgmng... 0942 WUSF 89.7 Tampa FL (975 mi) nx, id... 0946 WVFM 94.1 Lakeland FL (1000 mi) el, local ads... 0949 WRMF-FM 98.3 Titusville FL (1065 mi) local ads, later id... 1002 WDNJ 94.5 Daytona Beach FL (1065 mi) id, el... 1005 WFUZ 93.7 Ocala FL (985 mi) local nx... 1008 WDLF 105.9 DeLand FL (1030 mi) local nx, wx... 1018 WPCS 89.3 Pensacola FL (675 mi) religious, later area wx... 1022 WQIK-FM 99.1 Jacksonville FL (1000 mi) psa id... 1139 WLGY-FM 94.9 Tampa FL (975 mi) auto MOR; local ad; WLGY- and WOCN-, and WUSF and WMGU kept trading places for quite some time... 1210 WGMW 94.3 Riviera Beach FL (1125 mi) area ad... 1211 WTAN-FM 95.7 Clearwater FL (960 mi) local ad... 1213 WLBS-FM 106.7 Leesburg FL (1005 mi) id... 1229 WJAX-FM 95.1 Jacksonville FL (1000 mi) id, el... 1237 WJMM-FM 94.3 Lewisburg TN (790 mi) local ad... 1245 WSM-FM 95.5 Nashville TN (820 mi) local ad... 1255 WBUK 88.9 Richmond KY (990 mi) id... 1340 KGAF 94.5 Gainesville TX (310 mi) trop, psa id... 94.5 KBLT Harlingen TX (235 mi) auto MOR... 1628 WIAA 88.5 Interlochen MI (1210 mi) id, cl mx... 2004 WDCC-FM 95.5 Prestonburg KY (1055 mi) id... 2010 95.1 sounded like WBXT... 2020 apx f/out. Considering the success with the morning opening, the evening one was very frustrating.

Jun 15: 0020 trop up well; KYLE 104.9 Temple TX (135 mi) rock. KEXL 104.5 off! ... 0103 WFAA-FM 97.9 Dallas TX (250 mi) el; "The Velvet Sound," \$98... 1817 WBGW 98.9 Tallahassee FL (850 mi) id, el; suggests muf was 112 mhz... 1820 WFAM 91.1 Jacksonville FL (1000 mi) psa, id, rock... 1828 WSCI 89.3 Charleston SC (1115 mi) id... 1832 WQIK-FM 99.1 Jacksonville FL, id... 1843 WPXI 95.1 Charleston SC (1115 mi) id, el... 1929 Es back in after 25 min f/out. WZUU-FM 95.7 Milwaukee WI (1070 mi) rock, id... 1930 WURL-FM 105.7 Appleton WI (1120 mi) Brewers game... spotty after 1946; had peaked at 107.1 mhz at 1930; 2100 seems to be headed west to California.

Jun 16: 1343 KCM-FM 93.7 Carroll IA (850 mi) mention Iowa and freq... 1401 WCAL-FM 89.3 Northfield MN (1040 mi) id, end folk mx... 1404 KMMT-FM 94.5 Fort Dodge IA (895 mi) id \$94... 1420 KTIS-FM 98.5 Minneapolis MN (1110 mi) id, later wx... 1455 KJSR 90.1 Collegeville MN (1090 mi) id... 2005 Es to West... 2030 KMET 94.7 Los Angeles CA (1190 mi) id, rock... 2040 out. Jun 17: 1013 KLBK-FM 94.5 Lubbock TX (350 mi) trop, id, el.

Jun 18: 0146 KKOL-FM 99.5 Fort Worth TX (240 mi) "old" rock... 0200 KTAL-FM 98.1 Texarkana TX (390 mi) id, c&w, //KCMC 740 khz... 1046 Es. WLVE 94.9 Baraboo WI (1050 mi) el, area psa, vly spotty until... 1135 KILA 95.5 Henderson NV (1050 mi) religious pgmng...

1143 KMET 94.7 Los Angeles CA (1190 mi) rock, id... 1152 KLUC-FM 98.5 Las Vegas NV (1070 mi) id... 1157 KVEG-FM 92.3 Las Vegas NV, local psa... 1202 KLVM 94.1 Henderson NV (1050 mi) el, id... good till 1220 f/out... 1250 Es to east; 1304 WLCC 88.9 Lincoln IL (870 mi) id... 1308 KCLC 89.1 St Charles MO (770 mi) mor, rock, id... 1319 WGIL-FM 94.9 Galesburg IL (885 mi) wx, id... 1322 WNUW 99.1 Milwaukee WI (1070 mi) town mention... 1329 WUSF 89.7 Tampa FL (975 mi) area psa... 1330 KRXL 94.5 Kirksville MO (790 mi) id, el; some spread in opening!... 1332 WLCY-FM 94.9 Tampa FL (975 mi) local ad, nx, 1342 WMCU 89.7 Miami FL (1150 mi) id... 1343 WTMB-FM 98.9 Tomah WI (1060 mi) area ad... 1348 KXEL-FM 105.7 Waterloo IA (930 mi) id... 1350 KROC-FM 106.9 Rochester MN (1020 mi) psa, id... 1400 KSJN 91.1 Minneapolis MN (1110 mi) id... 1428 WARI-FM 94.3 Abbeville AL (795 mi) id, c&w... 1429 WTOG-FM 94.1 Savannah GA (1050 mi) mor, id... 1431 WSGF 95.5 Savannah GA (1050 mi) id, FM 95, MCR... 1438 WFMI 98.9 Montgomery AL (745 mi) psa id, //WQTY; implied muf of 119 mhz... 1448 WDYN 89.7 Chattanooga TN (865 mi) mention town... 1503 WLNK 106.3 Lansing IL (1000 mi) id... 1543 WBEV-FM 95.3 Beaver Dam WI (1085 mi) id... 1547 KRXL agn; 1559 WLVE agn; 1605 apx f/out. 2017 WYSU 88.5 Youngstown OH (1260 mi) id, local ads... 2019 WAMO-FM 105.9 Pittsburgh PA (1280 mi) id, local ads... had peaked at 106.7 2030; f/out for 30 min... 2125 CJOM-FM 88.7 Windsor, Ontario, Canada (1240 mi) mor... 2155 WIAA 88.3 Interlochen MI (1210 mi) id... f/out apx 2210.

Jun 20: 1146 KPDS 89.3 Pasadena CA (1180 mi) id. Jun 24: 1900 WIAA 88.3 Interlochen MI (1210 mi)... 1905 WMBI 90.1 Chicago IL (1020 mi) wx... 1937 WZUU-FM 95.7 Milwaukee WI (1070 mi) rock, id... 1942 KOUR-FM 95.3 Independence IA (930 mi) s/off. //1220 khz... 1950 apx f/out.

Jun 25: 0847-0911 many 88-92 mhz Watergate covering and higher... 0913 WTMB-FM 98.9 Tomah WI (1060 mi) id, el... 0914 WGIL-FM 94.9 Galesburg IL (885 mi) id; WZUU-FM 95.7 Milwaukee WI (1070 mi) id... 0919 WYFE-FM 95.3 Winnebago IL (995 mi) MOR; psa's ID as Rockford... 0928 KFPM 94.9 Des Moines IA (850 mi) id, rock... 0930 WBEV-FM 95.3 Beaver Dam WI (1085 mi) wx; KPIR 98.9 Duluth MN (1240 mi) BL 99... 0936 WIAL 94.1 Eau Claire WI (1090 mi) psa... 0943 KLFD-FM 95.3 Litchfield MN (1065 mi) local ad; WAPL-FM 105.7 Appleton WI (1120 mi) id... 0944 KRXL 94.5 Kirksville MO (790 mi) local ads; WLVE 94.9 Baraboo WI (1050 mi) mention Madison... 0949 WAUK-FM 106.1 Waukesha WI (1065 mi) local ad; 0950 WDMF-FM 107.1 Dodgeville WI (995 mi) area psa's... 0956 KRCB-FM 98.5 Council Bluffs IA (805 mi) area psa; implies muf of 115 mhz... 0958 WBKV-FM 92.5 West Bend WI (1090 mi) nx, Milwaukee ad... 0959 WISM-FM 98.1 Madison WI (1075 mi) local ad... 1002 WMAD-FM 106.3 Middletown WI (1040 mi) Madison wx, id... 1011 WFPC 95.5 Wausau WI (1140 mi) area ad; 1025 KROC-FM 106.9 Rochester MN (1020 mi) id... 1030 WWIB 103.7 Ladysmith WI (1130 mi) area ads... 1033 KLSL 106.1 Mason City IA (985 mi) id, rock... 1035 KWYR-FM 93.7 Winner SD (930 mi) area psa's... 1042 WBIZ-FM 100.7 Eau Claire WI (1090 mi) local wx... 1043 KFPU 94.9 Kansas City MO (680 mi) area ad... 1050 KMBR 99.7 Kansas City MO (680 mi) el, id, implied muf 127 mhz... 1059 KUDL-FM 98.1 Kansas City KS (675 mi) id... 1104 KKLS 93.9 Rapid City SD (1050 mi) local ad... KQRS-FM 92.5 Golden Valley MN (1070 mi) nx... 1111 KVOA-FM 95.1 Worthington MN (950 mi) local ad... 1120 KAAL 99.9 Austin MN (985 mi) local ad, nx... 1123 KQDE-FM 92.1 Waseca MN (1025 mi) id... 1134 KEYC-FM 99.1 Mankato MN (1020 mi) local nx, id... 1139 KLOH-FM 98.7 Pipestone MN (965 mi) id... 1141 WLIS-FM 106.3 Hartford KY (850 mi) area ads; 1143 WCHO-FM 105.5 Washington Court House OH (1070 mi) id... 1147 KICS-FM 93.5 Hastings NE (735 mi) area psa's... WKRX 106.9 Louisville KY (930 mi) id... 1156 KWVC-FM 106.3 Cheyenne WY (850 mi) nx, id -- state #38... 1214 KVSJ 97.9 Rapid City SD (1050 mi) mention town... 1217 KRDC-FM 95.1 Colorado Springs CO (760 mi) id, el; by MS before... 1235 KHOW-FM 95.7 Denver CO (800 mi) local ads, id later; MCR... 1256 KLZ-FM 106.7 Denver CO (800 mi) local ads, id later, rock... 1258 KBPI 105.9 Denver CO; id soul/rock... 1300 KOA-FM 103.5 Denver CO, id, nx, el... 1303 KFML-FM 98.5 Denver CO, id, rock... 1306 KVMN 98.9 Pueblo CO (685 mi) local ad; implied muf 126 mhz... 1312 KPIK-FM 94.3 Colorado Springs CO (760 mi) id... 1329 KOSI-FM 101.1 Denver CO, id, el... 1343 KALL 94.1 Salt Lake City UT (1080 mi) el; KCPX-FM 98.7 Salt Lake City UT (1080 mi), rock... 1350 KBCI-FM 97.9 Boise ID (1350 mi) local ad.

Jun 27: 1050 KBYU 88.9 Provo UT (1030 mi) nx, id.

Jun 30: 1100 WENE-FM 89.3 Green Bay WI (1190 mi) id s/on, soon out... 1540 during midst of 50 mhz double-hop to New England, WCOB-FM 91.3 Chens H (1130 mi) id, psa, c&w... 1600 WJUC 90.9 Cincinnati OH (1020 mi) full id. Out by 1650.

The report not quite as wild as the prior one, but plenty of DX just the same. Station count approaching 500, with over 350 of them via Es. At Times during the June 25 opening into the Denver area some of the stations seemed to exhibit the multi-path distortion from mountains that was very evident in Boulder while I was there in 1971. 73.



is about to lose this DXer, who feels DX conditions are here: Final totals must await trickling tentatives, but in addition to those in the Statistics column (along with an appearance of my new address): of the 897 stations, 661 are by Es, 279 by tropo, 43 by MS, and 86 duplicated (15 stations duplicated twice, i.e. 3 propagations). 94 is the most productive, accounting for 105 stations; 102 Mhz, bothered by two locals, has only 12. Best Es states: FL-73, CA-62, OH/WI-46; overall: TX-123, FL-78, CA-62. As before, all DX below is by Es unless otherwise specified. More abbreviation key at the end. And now, before I head into DX semi-retirement(?), I have a few more loggings for you...

5 JUNE (probably best Es day ever: 264 log'd)

0852 WUSF 89.7 FL Tampa NPR Watergate, 0900
0900 WYFL 89.1 FL Jacksonville tides, sports
1130 typical MOR overmod; 1155 ID, nx
0900 WJCT-89.9 FL Jacksonville cl; 0946
"Listener-supported fine arts radio"
0900 WFU-91.5 FL Tallahassee NPR WG -0953 ID
0900 WDBO-92.3 FL Orlando 1244 Cocoa Beach ad
0900 WFLA-93.3 FL Tampa EL \$
0901 WGLY 93.5 FL Vero Beach ID
0903 WMTM-93.9 GA Moultrie Mutual nx, 0905 ID
0906 WFAV 98.3 GA Cordale nx, "R. Cordale"
jingle; 0944 Cordale Flying Service ad
0908 WYNR-101.5 GA Brunswick C&W; 0940 local
adstrng, "Country Giant, WYNR at 7-9-0" m
0911 WQGS 105.1 FL Orlando lomod sermon; 1031
gospel; 1331 WQGS address
0913 WYRL 102.3 FL Melbourne area town ads
0915 WGNB 101.5 FL Saint Petersburg *hymn
0916 WDAE 100.7 FL Tampa area rrr; 1021 995
stox w/Sue McKnight, jingle ID, \$101
0917 WJNO-97.9 FL Pala Beach editorial
0918 WHFL 97.5 FL Winter Haven *AEC-FM nx
0921 WMYQ 96.3 FL Miami \$ *rock
0921 WSOR 95.3 FL Naples typical*lofi MOR
0922 WHRS 91.7 FL Boynton Beach *NPR
0923 WLRN-91.3 FL Miami history, 1140 ID, SS les.
0926 89-108 many other common FL; too many!
0929 WMOP-93.7 FL Ocala lcl ads; 1003 nx; 995
0931 WARI-94.3 AL Abbeville ID, C&W 810
0939 WYOR 105.1 FL Coral Gables EL\$; 1031 nx wx
0945 WJCL-96.5 GA Savannah local ads
0948 WDND-92.1 GA Dawson EL, IGM ancr; 860
1000 illegal no-QTH ID, cotton grower ad
1000 WQXK 92.1 FL Hialeah "WQXK FM\$" ID mix
1007 WBCM 98.9 FL Tal. "Wx from '98" (rounds
down, not up), area ads; un-IGM "Sound of
Music Time" annt
1010 WOKA-106.7 GA Douglas local ads; 1327 ID
1013 WTUF 107.1 GA Thomasville GA sports
1016 WSHE 103.5 FL Ft Laud. \$ rock, lcl wx
1024 WQOC 99.9 FL Boca Raton n 1110 polka
1032 WSPF-106.3 FL Sarasota \$106 ID, 24h 990
1033 WIRK-107.9 FL W.P.B. oldies, 1115 *ABOFM
1044 WAXY 105.9 FL Ft Lauderdale nx, "Gold
Coast wx from Classic Gold Waxy"
1052 WCCF-92.7 FL Punta Gorda \$ MOR; 1025
1059 deadair, ID 24h, *Mutual, 1105 Mut stox
1103 WFIN 92.5 FL Key West ID u/CCI 1090
1104 GM 90.5 CUBA Habana R. Rebelde 1209
Cuban nx, SS re Dorticós; 1215 90.50 précis
1106 WINK-96.9 FL Fort Myers prenatal PSA, EL
1108 WEDR 99.1 FL Miami OpaLocka ad, soul 1155
1131 WPCS 89.3 AL Pensacola FL *sermon
1145 NZS 107.1 Bahamas NOT HEARD to 1155; too
free 88-89 Mhz unproductive doublehop mix
1203 WKAR-90.5 MI E Lansing NPR mi Cuba;
1529 MI nx in AOC, "MSU Radio", AM&FM ID
1242 WRAS 88.5 GA Atlanta ID

1259 KCIL-107.1 LA Houma ID, LA nx; 475
Es state #33 MUF computed around ch 7 TV
1259 WROA-107.1 MS Gulfport ID jingle 575
mix KCIL, ads; Es state #34; both tropo b4
1302 WTUB 105.7 AL Troy "Heart of Dixie" 270
ID, nx & wv; 1331 nx
1303 WDUV 103.3 FL Bradenton lcl, Sarasota wx
1304 WGLF 104.1 FL Tal. 1309 TC, VA PSA 860
1312 WGUL 105.5 FL New Port Richey "Best in
country from 106 WGUL"
1330 WWSM 105.5 AL Bay Minette soul, ID 660
1345 WACL-103.3 GA Waycross ID, GA nx and wx
1354 WGBH-103.9 GA Hawkinsville local "Hit
Parade 73" annt, ID, Ac nx
1355 WZAT 102.1 GA Savannah *Statesboro ad ID
1357 WDAL 101.3 MS Meridian ID, GPT TC 625
1358 WPGA 100.9 GA Perry *West Point ad,
"Country Nx", co-ID w/WBKK (AN) West Point
1403 WSB- 98.5 GA Atlanta local YL wx
1408 WBRK 92.5 KY Owensboro ID ex-WOMI 880
1408 WESG 92.5 SC Greenville "\$" ID, EDT 1020
1411 WKLN 92.3 AL Montgomery lcl ad, \$92 760
ID; ex-WCOV; all channels seem 2-3 deep;
1412 WFDK 93.3 GA Manchester area ads 865
1419 WDUV 106.7 GA Gainesville *Athens ad 930
1420 WLET 106.1 GA Tococca wx part ID jgl 965
1429 WYTM 105.5 TN Fayetteville \$ ID
1433 WFPB-105.9 OH Middletown cmfusing; ID
as "WBAF, Mid-America's 50000 watt voice
giant" at end Brother Al show; gospel/soul;
1444 ad for Musiplex Div. of WFPB-FM; 1802
1437 WOJO 105.1 IL Evanston SS, Chicago Hts.
1441 WLBC-104.1 IN Muncie lcl alcohol 1060
PSA, oldies; 1453 "WLBC-FM Muncie \$", 720
1445 WEEC 100.7 OH Springfield end DJ, ID 1115
1446 WPTS 100.7 IN Terre Haute local ad 950
1448 WRAY-98.1 IN Princeton area ad; 19 885
hr/day; "Ray Radio"; by MS before
1451 WKPT-98.5 TN Kingsport E TN Cong. Rept.
1451 WELL 98.5 IL Freeport local wx
1452 WFIU 103.7 IN Bloomington \$ cl 970
1456 WNCI 97.9 OH Columbus *Ac nx; 1725 ID
1458 WFMT 98.7 IL Chicago *Cook Cnty nx lomod
1500 WAOV-96.7 IN Vincennes over-enthusiastic
"9-6-7 News", ID, date
1500 WGSN-96.7 OH Celina AM & FM ID 1110
1502 WSLM 98.9 IN Salem AM & FM ID
1504 WFML 106.5 IN Washington Al nx, ID 920
1512 WVPE 88.1 IN Elkhart folk ax; 1515 1110
open HS BB; 1536 last air day till Sept 10;
1516 WFBQ 94.7 IN Indianapolis reunion/ID 995
1520 WLEX-98.1 KY Lexington *AEC-FM nx, ad
1523 WXPB 105.9 VA Woodbridge *Upper 1380
Marlboro ad; 1624 ID w/WPIK; 1922 jz, lcl ads
1534 WOUB-91.3 OH Athens local wx, "91-3"
1549 CJOM 88.7 Ont Windsor Det. abortion info
1551 WVIC 94.9 MI Lansing local sports
1555 WUOM-91.7 MI Ann Arbor MI PSAs, AA
1558 WNCB 95.9 IN Michigan City ID 1080

FABULOUS

- 1600 WPVR 94.9 VA Roanoke ID, Star City; 1733
*Lynchburg ad; 1617 ID, 50,000 watts
- 1607 WPGC 95.5 MD Morningside *Crawford ad, ID
- 1609 WPVA-95.3 VA Petersburg Radiatorial;
1618*Nonalim Hts ads; 1718 remote; 1729
- 1610 WRBS 95.1 MD Baltimore local nx
- 1611 WSUX 98.3 DE Seaford ID jgl; DE #2 1460
- 1615 WAMU 88.5 DC Washington in
- 1615 WETA-90.9 VA Washington DC in
- 1615 WJUC 91.5 MD Baltimore in
- 1615 WGTS 91.9 MD Takoma Park 1659 ID
- 1616 WLRJ 92.3 VA Roanoke *\$92, 24h, Large 1205
- 1621 WRAR 105.5 VA Tappahannock ID, wx 1375
- 1621 WKDR 105.5 VA Altavista ID, ad 1235
- 1631 WQUT 101.5 TN Johnson City rr, barely ID
- 1633 WVBC-101.3 VA Hampton "\$101, WVBC- 1380
FM, Hampton, All America City"
- 1633 ?? 101.3 PA "Central PA" wx, "EL";
neither Lancaster nor Scranton seems central
- 1639 WJLM 93.5 VA Salem Burpo, 1702 ad, 1724
- 1639 WLHJ 93.5 WI New London jazz, 1641 lcl
wx, ID, "Happening 73 News"
- 1641 WCPA-93.5 PA Clearfield ID
- 1649 WMOA-94.3 OH Marietta mid-OH Vly sports
- 1712 WLXT 92.3 OH Cleveland Hts \$92 ID, 1747
- 1713 WLXN 94.1 NC Lexington ad for NC Radio
Guide, 2Opp, \$2; Box 44, Chapel Hill
- 1716 WCSE 92.3 NC Asheville ID in passing
- 1717 WRVQ 94.5 VA Richmond 'Super Q' contest
- 1728 WXYR 93.5 SC Columbia ID
- 1730 WQDR 94.7 NC Raleigh mention Raleigh
- 1735 "CEL"-94.1 Ont Toronto *cl Toronto 1450
recordings, CBC-type ancr
- 1738 KSJN 91.1 MN New Brighton Mn nx; 215//901
- 1744 KFMM 94.9 MO Kansas City lcl ad, ID 720
\$95, temp. Previously by tropo.
- 1759 WGRF-107.1 PA Greenville AM&FM ID 1320
- 1759 WJAG-106.7 NE Norfolk AM&FM ID; NE#2 885
- 1804 WADY 106.5 NY Buffalo wx ID State 38 1440
- 1804 WXXN 106.5 OH Cleveland Greek mx 1260
and talk, 1810, 1822 Gk ad; 1832 Eng. ID
- 1807 WLSR 104.9 OH Lima McMaster/IGM; 1135
1820 end ABC-FM, ID, 24h; 1843 McMaster
- 1811 WQRS 105.1 MI Detroit BBC/BFA press
review; 1814 local ad; 1843 *cl narration
- 1811 WAPL-105.7 WI Appleton "Gt Country Radio"
- 1814 CHSC-105.7 Ont St Catherine's ment 1440
- 1817 KIWA 105.5 IA Sheldon *C&W, area ad 975
- 1824 KIGD 107.7 IA Spencer Skylab; ID 980
- 1825 KTVN 107.9 MN Anoka *Coon Rapids 1140
ad; 1931 wx, "KTWN-FM\$ & KANO" ID
- 1831 WELW-107.9 OH Cleveland end Bro. 1260
Douglas, "All-American R. 108" ID, evang.
- 1835 WRSW-107.3 IN Warsaw White Sox BB; 1090
1959 *Etna Green ad, 2001 wrapup
- 1844 CJQY-106.1 Ont Guelph "FM 106 talks 1415
about gardening w/Guelph Gardener I. Roberts"
- 1846 WCHD 105.9 MI Detroit Cadillac Club ad
- 1850 WHLS 107.1 MI Pprt Huron tornado/ID 1300
- 1854 WKVQ 106.3 VA Bluefield mC&W ID jgl 1135
- 1856 WVCR 104.1 MI Grand Rapids *cl UNBS 1190
- 1901 KEHG-107.1 MN Fosston *NBC nx; 1905 1275
ID, "NBC & DBC"; 2022 "Sound of News" ID
- 1903 KPRM-103.7 MN Park Rapids *NBC nx; 1235
2009 MN nx; 2016 C MN nx, into sports
- 1904 WEVR-106.3 WI River Falls *Pierce 1130
County nx; 1924, 1930 local ads, nx, ID
- 1906 WAVA-105.1 VA Arlington Wash/Balto wx 1390
- 1917 WWW 106.7 MI Detroit ID; 1951 ad 1245
- 1918 KDLS-104.9 IA Perry local ads 905
- 1919 WKWL 104.9 IL Rockford *ABC-FM; 1045
1939 local ad
- 1919 KRPO-104.9 MN Owatonna polka; 1925 1070
local wx, polka; 2029 ID
- 1923 WIXK 107.1 WI New Richmond ID jgl 1150
- 1927 WQCR 106.5 MI Kalamazoo MI ad, ID, wx
- 1929 KRGL-106.9 MN Rochester *Mayo nx 1075
- 1936 WAUK-106.1 WI Waukesha *rosary
- 1938 KRSI-104.1 MN St Louis Park ID, wx 1125
- 1945 WKHM 106.1 MI Jackson 2004 wx, *9-7-0
- 1945 WGRG 105.1 MN Duluth edit, ID, lomod 1265
- 1947 KIDA 99.9 MN Moorhead funeral ad, wx
- 1958 WOAP-103.9 MI Owosso "MI nx", 2000 ID 1235
- 1959 WAKR 103.3 VA Danville ID ex-WBTM 1215
- 2003 WLRN 106.3 IL Lansing *Hammond ad; 1050
2014 call-in Chicago-area
- 2005 WOOD-105.7 MI Grand Rapids lcl nx
- 2018 WYEN 106.7 IL Des Plaines *Chicago ad
- 2019 KLFM 104.1 IA Ames ABC-FM, \$104, 24h 925
- 2025 WFON 107.1 WI Fond du Lac ID jingle 1150
- 2029 WQMC 104.3 MI Detroit ID, \$104 1245
- 2030 WNUZ 103.5 MI Detroit *gespel; 2055 1245
- 2030 KDUZ 107.1 MN Hutchinson ID, BB 1115
- 2038 WPTH 103.3 MN Duluth 2045 nx, 103 wx 1265
- 2042 KBOE-104.9 IA Oskaloosa Cards BB, wx 900
- 2050 88-99; too much CGI to bother with!
- 2059 WSWT 106.9 IL Peoria local wx, ID, "All
Music All the Time" (Bull!); ex-WUHN
- 2101 WRGT 106.5 WV Clarksburg hard soul 1245
area nx, ads, election returns; new sta; 2143
- 2109 WGLF 98.5 OH Cleveland local ad
- 2117 KLFD 95.3 MN Litchfield lethargic wx, ID
- 2120 KLIZ-95.7 MN Brainerd \$95 wx; lo in 40s
- 2122 WIFC 95.5 WI Wausau local ad, 2128 too
- 2129 KRPL 94.5 MO Kirksville ID jingle 830
- 2131 WHBF-98.9 IL Rock Island "The Sound 955
of Love Shadows"="ballys '2 of Us' ancr; ID
- 2138 WKLC 105.1 WV St Albans election, WV wx
- 2139 WLAC-105.9 TN Nashville Listening Post
- 2148 WNIU 89.5 IL DeKalb 'Alternative Med' ID
- 2151 KSJR 90.1 MN Collegeville MN nx //91.1
- 2158 WIAA 88.3 MI Interlochen s/off w/Traverse
City Bank plug; scatter; anthem & off
- 2200 WQLN 91.3 PA Erie YLs/off HSband NA 1360
- 2205 WMBI-90.1 IL Chicago wx, News Central;
2237, 2250, 2256 last station remaining
- 2215 WONC 89.1 IL Naperville mx, wx; 2228
N Central College nx; last nite on air to
10 September; 2240 Blood for Africa PSA
- 2234 WLCC 88.9 IL Lincoln s/off w/626--zip
- 2238 WYCA 92.3 IN Hammond Christian call-in;
2245 separate lines for IL and IN
- 0852-1431 SE USA Tentatives: WSCI 89.3 WJAX
95.1 WVPF 94.1 WDLF 105.9 WTLN 95.3 WLMC
103.1 WLBE 106.7 WRKT 104.1 WDEN-105.3 WXIS
103.9 WKUE-97.7 WRBN-101.7 WLCM 107.1; Unid:
92.1 89.3 105.5 89.1 105.5 103.9 100.1
1457-2237 NE USA T: WQMS 96.5 WHKY 90.3
WSRW 106.7 WTVR-98.1 WKTK 105.7 KXEL-105.7
WRRN 106.9 KTIS 98.5 WGGJ 91.1 WCAL-89.3
WYMS 88.9; U: 89.3 88.9 89.1 93.9 92.3
90.9/91.9 92.5 98.1 98.9 98.9 107.1 105.5
107.1 106.7 104.3 105.5 107.3 104.7 107.1
107.9 105.1 107.9 103.7 103.5 102.3 105.5
107.1 104.3 105.5 107.3 105.7 104.1 98.7
94.1 105.1 BUSY DAY! 70 NEW STATIONS...

WESTERN FM DX

6 June
 0706 WJCT-89.9 FL Jacksonville FL nx
 0706 WFPL 89.1 FL Jacksonville *overmod MOR
 0723 WQIX-99.1 FL Jacksonville ID jingle, C&W
 0726 WJNJ 104.9 FL Atlantic Bch bch temps1035
 0729 WPAV 98.3 GA Cordele ID, Top 60 in Dixie
 0731 WGM 98.9 FL Tallahassee ID, \$98
 0733 WBNH-97.7 SE Georgetown MOR; 0736 1170
 *Myrtle Beach air base, local bulletin brd
 0740 WTSB-95.7 NC Lumberton WTSB-1340 jgl
 0744 WFWR 95.9 SC St George far-out preacher-
 er-Bro. Terrel, Dallas; ID w/WQIZ (AM) 0747
 0745 WSTS 96.5 NC Laurinburg ID, gospel 1185
 0814 WFMX 105.7 NC Statesville lcl ad 1120
 0815 WDNC-105.1 NC Durham ID; 1230
 "Beautiful Music for beautiful people"
 0816 WHCG 104.9 GA Metter area ad, R. Metter
 0818 WQIR-103.7 WV Beckley TGM Del-o; 1155
 0824 lcl ad; 0835 end *Mutual nx, ID
 0829 WTQR 104.1 NC Winston-Salem wx, ID 1155
 0830 WTCO-103.9 KY Campbellsville ID 940
 0830 WHNR 103.9 TN McMinnville \$ Voice of "865
 0831 WLAC-105.9 TN Nashville local weather
 0834 WGT 106.5 NY Clarksburg ID, C&W, oldie
 0844 WSRW-106.7 OH Hillsboro *Highland Coun-
 ty Sheriff inv; 0932 YL wx, AM & FM ID
 0847 WANY-106.3 KY Albany local wx 930
 0851 WUBE 105.1 OH Cincinnati local ad
 0853 WNRW 107.1 OH Circleville MUF; ch 2 1135
 lcl ad; 0953 *Ashville OH pig chow ad
 0923 WBBQ 104.3 GA Augusta air raid test 1015
 "BQ" jingle; xtr may be in SC like Aug TV
 0927 WAUG-105.7 GA Augusta ID (SC?) 1015
 0928 WFDT 106.3 IN Columbia City ID, CDT 1100
 0928 WLNO 106.3 OH London ID, area ads 0957 1125
 0929 WFIU 103.7 IN Bloomington NPR WG cov.
 0930 WAKG 103.3 VA Danville ID
 0934 WFML 106.5 IN Washington lcl ad; 0938 EDT
 0939 WGR 104.1 MI Grand Rapids NPR WG cov.
 0949 WCHD 105.9 MI Detroit *Inkster landlords
 0954 WREA 107.3 OH Elyria nx, ID
 0958 WNUZ 103.5 MI Detroit s/on? ment. ch 278
 and "God Bless America" song
 0959 WSRW-106.7 OH Hillsboro UPI plug, AM&FM
 1000 WKHM 106.1 MI Jackson 15-min nx, reverb
 1000 WGER 102.5 MI Bay City MI nx; 1039 1275
 1001 WKBN 106.5 OH Cleveland *Greek (Xenos)
 1005 WCHO-105.5 OH Washington C.H. ID 1115
 1006 WVVW 106.7 MI Detroit "106 FM Detroit"
 1009 WOAP-103.9 MI Owosso *Shiawassee Cnty nx
 1010 WOJO 105.1 IL Evanston SS, Chicago
 1012 WYON 101.3 MI Grand Rapids sports 1185
 1014 WBNO-100.9 OH Bryan *Hicksville ad 1150
 1015 "News 101, WBNO News"
 1017 WITL 100.7 MI Lansing *mid-MI ad; 1215
 1038 nx, sponsor AMA; C&W
 1018 WQRS 105.1 MI Detroit SF discussion
 1021 WSHN 100.1 MI Fremont lcl hdw ad 1205
 1025 WOOD-105.7 MI Grand Rapids ID; 1044 Or-
 kin ad, "\$105.7 WOOD-FM, 24 hours"
 1028 WKHL 100.1 MN Marshall "Full Dim." 1160
 1030 KIWA 105.5 IA Sheldon AM&FM ID, Mutual
 1031 WGMZ 107.9 MI Flint ID, \$108 1255
 1032 KWVS 105.9 MN Wadena ID w/KWAD(AM) 1205
 1033 WYGR 104.1 MI Grand Rapids YL AnnArbor nx
 1042 WQLR 106.5 MI Kalamazoo many pieces; ID
 1048 WENC-99.1 NC Whiteville local ad
 1049 WSVR-106.3 WI River Falls ad, Flashback

August 1973

1052 WLJE 105.5 IN Valparaiso date, DJ, 1065
 "Title Time", local ad; mono
 1056 WJML 98.9 MI Potoskey N Lower MI ad
 1058 WJMC 96.3 WI Rice Lake local wx
 1105 WJCS 98.5 MI Houghton Lake A1 nx, 1280
 ID; no deaths, so no "Memorial Chapel" tak;
 1105 WPMT 96.7 IL Chicago *lomod *cult ancr
 1106 KIVE 96.5 MT Glendive State # 39 1280
 end MT nx, *Beech ND ad, local wx; "Sound
 of Wonderful Music in Stereo, KIVE-FM"
 1111 CKY- 92.1 Man Winnipeg Prov. #2 St 1430
 Boniface lit. league, "\$92 CKY-FM", 1128 ID
 1112 KKLS 93.9 SD Rapid City Black Hills ad
 1113 KBRK-94.3 SD Brookings nx by local, PSA
 Minneapolis grain/livestock; 1126 local wx
 1115 KYTN-94.7 ND Grand Forks minute-of-ax
 Camelot ad; 1130 lcl wx, "KYTN \$95"; 1141
 1117 WIAL 94.1 WI Eau Claire "Memomnie ad
 1122 *CBM-98.5 Man Winnipeg Man #2 \$cl 1425
 strong; ID, nx still 1131; 1136 cl; no GJOB
 1129 WHRM 91.9 WI Rib Mountain WERN WI nx
 1133 WHLA 90.3 WI Holmen WI wx
 1144 KEMR-94.5 ND Bismarck Twins/Indians 1220
 BB, feedback, lcl ad; 1149 back o/u/KLEF
 1118 T: CFNW 94.3; 0744-1024 U; 95.9 105.7
 103.5 107.9 107.1 102.3 107.1 100.9 102.3
 8 June
 1731 CJOM 88.7 Ont Windsor area ad; 1750
 1859 WSCI 89.3 SC Charleston Aldritchies, ID
 1704 U; 88.9
 10 June (first item by MS; rest Es)
 1530 WEPR 90.1 SC Greenville SCETV R.Platform
 2140 KBYU-95.9 UT Provo old style drama, 2201
 2153-2211 T; KNBI 91.1 KUER 90.1 KUNC 91.5
 KGSU 90.9; U 92.3
 11 June
 1000 KXCV 90.5 MO Maryville *Fairfax etc nx
 1011 KSJN 91.1 MN New Brighton *cl //90.1
 1011 WHSA 89.9 WI Brule tax talk, soon//88.3
 1011 WHWC 88.3 WI Colfax //89.9 tax talk
 1011 KSJR 90.1 MN Collegeville *cl //91.1
 1100 WIAA 88.3 MI Interlochen *cl; 1105 ID
 0900-1011 T; WSCI 89.3 WHHI 91.3 WCAL 89.3
 1735 KCSN 88.5 CA Northridge folk, 1750 rock
 1751 KLON 88.1 CA Long Beach oompahpah
 1751 KCRW-89.3 CA Santa Monica lymph talk
 1752 KPAC-92.3 CA Los Angeles *cl
 1752 KMET 94.7 CA Los Angeles *rock
 1754 KLOS 95.5 CA Los Angeles local ad
 1759 KALJ 95.1 AZ Yuma ID, "Full time"
 1752-1800 T; KSOM 93.5 KUSC 91.5
 12 June
 1857 KPBS-89.5 CA San Diego A&C, guitar pop,
 promo folk nx 11pm daily, ID; 1902 //88.1
 1902 KLON 88.1 CA Long Beach NPR //89.5 but
 worse audio here; 2035 sea drama
 1903 KHIS 90.3 BC Tijuana *rock, CCI KSYM
 1908 KXTC 92.3 AZ Glendale *Camelback Rd ad
 1918 KPFD-94.1 CA San Diego *cl
 1920 KYXY 96.5 CA San Diego nx, CA "mount-
 ains & deserts" wx; ID, nx
 1925 XETRA-91.3 BC Tijuana blues
 1927 KPFF 90.7 CA Los Angeles nx by local
 1928 KPAC-92.3 CA Los Angeles *cl
 1928 KMET 94.7 CA Los Angeles *rock CCI KIXY
 1928 KPOL-93.9 CA Los Angeles Times ad; CCI
 1930 KUSC 91.5 CA Los Angeles cl; 2006 A&C;
 2009-2028 vy lvl; 2029 ID, LA PSA, A&C nx

12 June

1933 KVMJ 93.7 CA Coachella Chicano mx, *SS
 1958 KILA 95.5 NV Henderson *distorted talk
 2008 KVCN 91.9 CA San Bernardino lite cl
 2031 KCSN 88.5 CA Northridge cl
 2031 KCRW 89.9 CA Santa Monica iv
 1908-2032 T: KUNC 91.5 KWBI 91.1 KGSU 90.9
 KLIH 93.3 KRDO 95.1 KBVL 94.7 KMCN 91.5
 KVEG 92.3 KUOP 91.3 KLVM 94.1 KUOR 89.1
 KLLU 89.7

13 June

0813 WMCU 89.7 FL Miami hymny MOR, 0815 ID,
 FEBC Radio Int'l Show; 0900, 1102 *Mutual nx
 0918 WLRN-91.3 FL Miami kid drama; 0929 ID in
 MHz; 1046 local reverbed SSB, meditation si-
 lence in open ex.; 1108 SS les., radioese ID
 0925 WHRS 91.7 FL Boynton Bch NPR; 1048 OAS
 px; 1129 ID
 0930 WCGF 92.7 FL Punta Gorda EL, "Adult, 24h"
 0931 WFYN 92.5 FL Key West wx, \$ ID; 1042 ad
 0932 WSWN-93.5 FL Belle Glade *Mut, 0935 lclnx
 0933 WFLA-93.3 FL Tampa For the Good Times; 1046
 0933 WGMW 94.3 FL Riviera Beach rock
 0933 WOCN-94.9 FL Miami Beach *EL
 0934 WSOR 95.3 FL Ft Myers 1044 *lofi gospel
 0944 WTAN-95.7 FL Clearwater ID
 0952 WCOF-95.9 FL Apopkalee *gospel; 1000 ID, Mu
 0959 WTLN 95.3 FL Immoka ID
 1001 WHOO-96.5 FL Orlando ad, ID, \$96 1045
 1001 WINK-96.9 FL Fort Myers *CBS nx
 1002 WMJR 100.7 FL Ft Lauderdale FL nx
 1003 WLYF 101.5 FL Miami EL; tropo before 1155
 1004 WYOR 105.1 FL Coral Gables EL; 1156
 1004 WFTL-106.7 FL Ft Laud. ID, nx time, 1153
 1006 WDLF 105.9 FL Deland local nx
 1007 WFOY-97.7 FL St Augustine local ad 1040
 CBS stinger; town topics for St A & Anastasia
 1029 WTHI-93.1 FL Miami local ad
 1030 CM-90.50 CUBA La Habana R. Rebelde,
 Cadena Nacional SS drama; 1037 end Mon-Sat
 "El Vengador"; 26 July promo; 1040 ID, mx
 humor px; 1055 credits; 1100 EDT TC, chime
 IS, Información Política; 1107 out; 1110 in
 1105 WVFM 94.1 FL Lakeland lcl ad, PSAs, ID
 1104 WBYN 89.7 TN Chattanooga hymn; 1239 MBI
 px, ID; 1914 preacher vs. rock = Satanic
 1103 WMOP 93.7 FL Ocala local wx
 1129 WFSU-91.5 FL Tal. electronic mx; 1221
 1130 WPCS 89.3 AL Pensacola FL NWS; 1933 srmn
 1147 WQXK 92.1 FL Hialeah WPB ad, ID, \$92,
 "A beautiful sound for a beautiful town"
 1149 WJCT-89.9 FL Jacksonville cl anmt
 1156 WAXY 105.9 FL Fort Lauderdale in
 1156 WSHE 103.5 FL Ft Laud hard rock; 1200
 co-ID w/Miami, nx
 1201 WIRK-107.9 FL West Palm Beach FL oldies
 1203 WDUV 103.3 FL Bradenton EL o/Texan
 1208 WYRL 102.3 FL Melbourne *C&W YLJD, lcl ads
 1214 WDAE 100.7 FL Tampa local wx
 1220 WDNJ 94.5 FL Daytona Beach *ABC-FM nx
 end, promo Sun morn classics; ID
 1221 WYFL 89.1 FL Jacksonville *distortion
 1224 WUOT-91.9 TN Knoxville cl harosi- 965
 chord; 1237 Afternoon Concert anmt, ID
 1228 WJAX-95.1 FL Jax 15th stn by 3 props 1020
 flat mod; 1229 ID, \$95
 1229 WTLN 94.3 FL Lake City ID
 1242 WAIN-93.5 KY Columbia local ad 935

1256 WOUB-91.3 OH Athens DJ; 1301 local nx
 1302 WEKU 88.9 KY Richmond nx; 1304 ID
 1338 WUOM-91.7 MI Ann Arbor f/in nx, S lower
 MI wx; UMBS net cue, ID; 1343 f/out
 0935-1400 T: WSPB 106.3 WAFF 90.3 WBKY 91.3
 WMOT 89.5 WKES 88.9 WCBE 90.5 WBEZ 91.5; U:
 95.9 96.5 90.3 90.9 91.1 94.3 91.5
 1930 WITN-93.3 NC Washington net nx, 1935 ID
 1930 WQXI-94.1 CA Smyrna *Peachtree; Bud ad
 1932 WSTM?94.3 ?? LaSalle? lcl nx; 1945 metro wx
 1937 WRNS 95.1 NC Kinston hard rock, \$ 1290
 1954 ID, nx by local
 1949 WCAE 92.3 NC Asheville scrapbook ad, *addr
 2003 WFAM 91.1 FL Jacksonville BB promos;
 commercial for Motor-All, ID FCC asleep??
 2012 WSAI-94.1 OH wx for *The Queen City
 1901-2040 T: WEPN 90.1 WFDD 88.5 WRAS 88.5
 WREK 91.1 WQDR 94.7 WFAF 94.5 WOUB 91.3
 WAUP 88.1 WUGC 90.9 WSPQ 94.7 KSJR 91.1; U:
 90.5 92.1 95.3 90.3 88.9 92.3 97.9

15 June

1739 WCAL-89.3 MN Northfield YL w/MN nx
 1815 WPCS 89.3 AL Pensacola FL *hymn, east
 1815 WYFL 91.1 FL Jacksonville *overmod MOR
 1816 WJCT 89.9 FL Jacksonville opera anmt
 1818 WFSU-91.5 FL Tallahassee *cl
 1818 WFAM 91.1 FL Jacksonville *rock
 1818 WJAX 95.1 FL Jacksonville *MOR
 1827 WQXK 99.1 FL Jacksonville *C&W
 1830 WJAT 98.3 CA Swainsboro local wx
 1844 WKTZ-96.1 FL Jacksonville EL*o/u/KMPM
 1845 WSCI 89.3 SC Charleston NASA report;
 1857 Jazz Montreux promo, SCERN ID
 1851 WLLI-92.7 CA Dublin *Dudley Bank ad 955
 1900 WJGA 92.1 CA Jackson \$Total Info nx 205
 1926 WIAA 88.3 MI Interlochen dramatic narr;
 lo mod; 1942 cl; 2000 ID, BFA Literary Rept
 1932 WHA- 88.7 WI Madison choral //89.3, 90.7
 1932 WPNE-89.3 WI DePere choral //86.7, 90.7
 1932 WHAD 90.7 WI Delafield //89.3, 88.7
 1731-2015 T: WHWC 88.3 WPDQ 96.9 WTLN 94.3
 WUMR px; 1057 WGGJ 91.3 WLSU 88.9 WYMS 88.9; U:
 88.1 88.5 94.1 94.9 92.1 92.1
 2059 KCRW 89.9 CA Santa Monica Styles jazz
 2100 KUSC 91.5 CA Los Angeles nx report
 2101 KPCK 90.7 CA Los Angeles Jap discuss
 2102 KCSN 88.5 CA Northridge mediaeval vocal
 2103 KLLU 89.7 CA Riverside *hymn solo, piano
 2103 KVCN 91.9 CA S Berdo cl; 2109-2120
 2103 KVMJ 93.7 CA Coachella *SS *huelga nx
 2124 KMCN 91.5 AZ Phoenix BB vs SLC, scat-
 tery, ID 2128; 2145 still, occasional peak
 spike as if Trans-Equatorial; 2200 traces
 2103-2106 T: KVMN-93.5 KORJ 94.3; U: 95.1
 2315 T: WOUB-91.3
 2230 WCKW-92.3 LA Laplace Tropo asking reports
 16 June
 1358 KSJN 91.1 MN New Brighton *cl, 1402 ID,
 Subscription Concert; 1447 almost only left
 1404 KNOF 95.3 MN St Paul *hymn; 1429 1130
 1421 KSJR 90.1 MN Colledgeville //91.1 cl
 1423 KLPD-95.3 MN Litchfield *Paynesville ad
 1429 KSTP-94.5 MN Saint Paul MN Savings 1130
 ad, "Beautiful mx from KSTP-FM\$95"
 1431 WAYL-93.7 MN Minneapolis MN nx, wx, ID
 1434 WIKK 107.1 WI New Richmond ID, oldies
 1421-1450 T: WCAL-89.3 WSPQ 90.5 WHSA 89.9;
 U: 94.3 106.3 105.1

1930 KUOP 91.3 CA Stockton "Jazz 73", plug
KJAZ, ID; 2000 "Full Range" ID; 2002 plug
6 a.m. "Handel & Eggs" show
1959 KPFC 90.7 CA Los Angeles talk; 2002 cl;
2027 ZPC discussion; 2032 ID
1959 KZSC 91.5 CA Los Angeles ID; 2032
2002 KCRW 89.9 CA Santa Monica cl; 2032 folk
2002 KCSN 88.5 CA Northridge in; 2027
2004 KUDU 95.1 CA Ventura rock; 2009 listener
in Ojai; waterbed ad; Fathers Day poem contest
2012 KMET 94.7 CA Los Angeles rock
2015 KLLU 89.7 CA Riverside *hymn; 2027
2015 XHIS 90.3 BC Tijuana 2021 "This is His--
all kinds of good music"
2032 KVCR 91.9 CA San Bernardino pianist talk
2033 KPAC-92.3 CA Los Angeles AM&PM ID
2034 KLOS 95.5 CA Los Angeles *rock
2034 KFSG 96.3 CA Los Angeles gospel jgl ID
2034 KGBS-97.1 CA Los Angeles rock
2041 KLON 88.1 CA Long Beach drama
2012-2035 T: KSON 93.5 KORJ 94.3 KXFM 99.9
18 June (first 3 tropo, rest Es)
0304 WKXI 94.7 MS Jackson local soul ad
0307 XHMG 100.49 NL Monterrey offset-(hi); 265
KBEB-100.3 off at last! SS ad for Guatemala
flight; m, f/out; 0316 pause, clunk, Euro.
Health Inst. ad; overmod, distort; 0321 "FM
Cien" ID of mx like XHSRO-92.5 & XET-94.1 do
to prevent music piracy; tape snag; ID warn-
ing; drop in mx level; 0332 ad; 0333 KBEB
back weak w/TT, ergo exciter; measured freq
0345 KDTX 102.9 TX Dallas N OC CGI to 250
KQUC; s/on, gospel mx; xatr Cedar Hill TX 123
1033 WHA-88.7 WI Madison lecture //91.3 89.3;
1232; 1315 //88.3 90.7 in lecture on Vietnam
1038 WFNE 89.3 WI DePers //88.7 91.3; 1358
many WERNA, IDs, cl; 1530 ID, still in 1608
1046 WHRM 91.9 WI Wausau //others, 1310 //91.3
1325 //88.3 89.9; 1502 AOC
1047 WLVE 94.9 WI Baraboo Gtr*Madison PSA
1108 WHLA 90.3 WI Holmen TV nx lecture //91.3
1132 KVEG 92.3 NV Las Vegas EL; 1235
1136 KWVM-93.5 AZ Show Low sermon; 1139 lcl ad
1136 KLVM 94.1 NV Henderson s EL; 1235
1137 KILA 95.5 NV Henderson *overmod gospel 235
1137 KORK-97.1 NV Las Vegas \$EL; 1200 \$97 ID,
"All Music All the Time" (Bull!); 1235
1137 KLUC-98.5 NV Las Vegas \$ rock; 1146 jgl ID
1139 KFSG 96.3 CA LA *gospel; 1155; only LA;
1148 KDOL-97.7 CA MoJave 1155 *Lancaster ad
1255 WHRS 91.7 FL Boynton Beach mx
1255 WMCU 89.7 FL Miami *hymn; 1258 ID
1255 CM 90.5 CUBA Habana R. Rebelde Cuba mx
1259 WLRN-91.3 FL Miami s/on, 8.4 kw; 1313
1300 WHAD 90.7 WI Delafield 1315 //88.7 88.3
1301 WALJ 93.5 FL Naples wx, nx, ID
1303 WYCA 92.3 IN Hammond god advice; 1504 ID
1305 KOLC 89.1 MO St Charles 1307 "R. 89" ID
1311 WUSF 89.7 FL Tampa cl; 1327 ID; 1330 Goons
1315 WHKW 88.3 WI Chilton //88.7 90.7 1325 //s
1320 KOEL 92.3 IA Oelwein end *ABC-PM nx 1000
ID, "Big Country"; 1540 *Reedland ad, ID
1325 WHSA 89.9 WI Brule Viet //88.3 91.9
1339 WIAA 88.3 MI Interlochen *cl; 2007, 2048,
2157 ID, nx; 2200 s/off; sked 10-24 EDT 7 days
1341 KOUR 95.3 IA Independence *Manchest- 290
er ad, KOUR Cash Contest; 1546 *Delhf ad
1343 WIAL 94.1 WI Eau Claire 1355, 1436 lcl ads
1348 WZUU 95.7 WI Milwaukee "Involved" jgl; 1509
1349 WBIZ 100.7 WI Eau Claire local ad 1145
1358 KBYU 88.9 UT Provo MDT TC, ID in pass.
1402 WRLS 92.1 WI Hayward *AI nx
1402 KNOP 95.3 MN St Paul nx by local; 1407
1402 WJMC 96.3 WI Rice Lake local nx
1404 WJAX 95.1 FL Jax *NBC nx, local wx
1405 KDHL-95.9 MN Faribault local PSAs; low
modulation; "News around town"; AM ID
1409 KSJN 91.1 MN New Brighton switching to
"our Collegeville studios"; 1433 cl expert
1418 KLIZ-95.7 MN Brainerd FM\$ ID
1421 KLFD-95.3 MN Litchfield local bank ad
1428 WSGF 95.5 CA Savannah folk; 1431 ID
1429 WJCL-96.5 CA Savannah *Statesboro ad
1434 WKUB 92.1 WI Manitowoc WI, lcl nx 1185
1438 WKHJ 92.3 AL Montgomery yogurt ad; *We-
tumpka ad, ID, tone; antenna still north
1443 WAUG-105.7 CA Augusta Augusta Aviation
1445 WRMF 98.3 FL Cocoa "Big 1060", phone
1448 WJCA-92.1 CA Jackson Dixie Discount ad
1450 WFBC-93.7 SC Greenville lcl ad, H.P.
1452 WRAS 88.5 CA Atlanta ID, YL DJ, jazz
1453 WDNV 89.7 TN Chattanooga ID promo
1455 WFOY 97.1 CA Gainesville *Ac nx 930
1457 WFOY-97.7 FL St Augustine FL wx
1505 WKZN 96.9 IL Zion local nx 1090
1510 WFTM 96.7 IL Chicago *cl
1512 WSSU 91.3 WI Superior WI sports, lcl nx
1532 WPRE-94.3 WI Prairie du Chien tornado, ID
1534 KMAQ 95.3 IA Maquoketa local ad
1542 WFPC 95.5 WI Wausau many local, Rhine-
lander ads; ID jingle
1547 WROE 94.3 WI Neenah "Beaut. mx, row", 24h
1548 WSPT 97.9 WI Stevens Point WI sports,
X movie ad, ID jgl; Solid Gold; 1603 ID, YL
1555 KHAK 98.1 IA Cedar Rapids IA nx 965
1559 WTMB-98.9 WI Tomah AM & PM ID
1605 KIFG 95.3 IA Cedar Falls wx, ID
2018 WOUB-91.3 OH Athens lcl nx, s/off, SSB
2027 WDRN-94.9 OH Medina Akron/Cleveland ad
"WDRN Circular \$ 94-9" ID
2028 WSPQ 94.7 OH Columbus *soul lcl grp 1150
2029 WHBC-94.1 OH Canton \$94 wx, *Strausberg ad
2046 WAUP 88.1 OH Akron area nx, wx, -2053
2202 WSDN 88.9 IN Notre Dame 2206 ID, folk
1030-1607 NE USA T: KBIA 91.3 WYMS 88.9 KSOZ
88.1 W GAL-89.3 WAUS 90.9 WDMW 92.1 WPNY 92.1
KHKA 88.1; U: 88.1 94.3 95.3 90.3 91.1 91.5
88.9 89.5 88.9 95.3 96.5 96.7 98.9 93.5 90.1
101.5 98.1 93.5 88.1 88.9
1135-1254 SW USA T: KMCR 91.5 KDKB 93.3 KALW
91.1 KUSC 91.5 KCSU 90.9; U: 96.1 105.9
1255-1456 SE USA T: WYFL 89.1 WLRN 91.3 WPDQ-
96.9; U: 94.3 95.3 90.1
2005-2206 NE USA T: WGUC 90.9 WEZI 95.3 WEKY
91.3 GJOM 88.7 WOSU-89.7 WCBE 90.5 WKAR-90.5
WAUS 90.9; U: 88.5 89.3 94.3 95.3 90.3 89.5
20 June
0843 WSCI 89.3 SC Charleston Firing Line, ID
1152 KFAC-92.3 CA Los Angeles; f/in w/*cl
1221 KVEG 92.3 NV Las Vegas pop
1221 KLVM 94.1 NV Henderson EL*
1221 KILA 95.5 NV Henderson *overmod IL
preacher
1247 TGRT-88.8x GUATEMALA nx alternate local
ads; 1300 f/out; 1309 back briefly
1247 YSRI-88.95x EL SALVADOR S.S. m vocal mx

1249 TG 88.35 GUATEMALA Guatemala measured Fabuestero, \$ Goodyear ad; inaudible cue tones; 1300 f/out; 1309 back briefly
 1301 TGD-89.40 GUATEMALA Quezaltenango 1095 f/in w/ads; 1302 full ID as La Voz de Occidente; dead air; fade. Previously undiscovered STL for 1070 MW, but likely oldtimer.
 1558 WBEPT 90.1 SC Greenville ID MS
 1608 HRLP-88.715 HONDURAS Tegucigalpa trace LA mx; measured; freq varies; 1630 ranchera mx, Hond. sports promo, ID R. America, open "La Voz de Aclamación"; only DX in; 1645
 1611 T: WMCU 89.7

24 June

1859 WIAA 88.3 MI Interlochen promo, 1934, 1945
 1912 WAUS-90.9 MI Berrien Springs cl; 1916 ID "The Andrews University Station"; req cl
 1912 WPNE 89.3 WI DePere cl, 1930 ID; 1933 // 90.7; 1934 //88.7; 1938 //90.3
 1913 WMBI-90.1 IL Chicago instl *hymns
 1917 WBEZ 91.5 IL Chicago WBEZ Booster promo: \$5 to 228 N LaSalle 60601 for px guide
 1923 WDAI 94.7 IL Chicago wx, ID, lcl ABC 1065
 1925 WUWM 89.7 WI Milwaukee "Mélodie d'Amour" in Polish, talk; 1926 "Public Affairs in Milwaukee" ID, more Polish; HF squeal; cl
 1930 WKV-92.5 WI West Bend wx, "The Giant w/living \$ from the heart of the Valley" ID
 1933 WHAD 90.7 WI Delafield cl //89.3
 1938 WHLA 90.3 WI Holmen //89.3
 0851 T: WFDD 88.5; 1425 T: WUSF 89.7; 1912-1941 T: WKAR-90.5 WHHI-91.3 WCAL-89.3 WYMS 88.9; U: 91.9 90.7 89.7 92.1 94.3 95.1 91.3 88.1 92.3 93.3 94.1 94.3
 2108 KBYU-88.9 UT Provo *cl NW; 2221 ragtime, "Just like Old Times", ID, R. Nederland docu/talk on hyenas; 2300 still, scatterly
 2108-2109 T: KUER 90.1 KALL-94.1

25 June (all Es logged mobile northbound on I-35 San Marcos to Denton TX on Toyota car radio exc. portable fixed w/Astronaut 6 for WOBT thru WJMC. None countable in Von Ormy total but those unhrd there underlined)
 0910 WHAD 90.7 WI Delafield @ San Marcos.1060
 NPR Watergate echo and override KUT
 0910 WHRM 91.9 WI Wausau //many others 1135
 0930 KFMG 94.9 IA Des Moines @Austin YL ID 825
 0930 WLVE 94.9 WI Baraboo mix KFMG; ID 1020 as "Love \$", S WI nx; 0945 Madison ad
 0949 KILE-95.9 IA Estherville lclad IA wx 915
 0954 WJVL 92.9 WI Janesville area PSAs 970
 0954 WTTN-104.7 WI Watertown local ad 1005
 0955 WFON-107.1 WI Fond du Lac downtown 1045
 0958 WOBT-107.9 WI Rhinelander (these @ 1140 3way point Georgetown/Round Rock) *Minocqua ad
 0958 WDBQ-105.3 IA Dubuque jingle ID 915
 0959 WBY-101.1 WI Green Bay FMS ID, CBSnx1100
 1000 WRIC-101.9 WI Wausau local wx, ID 1090 jingle "Music's on us"
 1005 WMCW 102.5 WI Madison local wx 985
 1008 WRVM 102.7 WI Suring *Hortonville ad 1120
 1008 WFIL-103.1 MN Preston area ads 960
 1020 KLFM 104.1 IA Ames ID 825
 1022 WJMC 96.3 WI Rice Lake local ad 1085
 1029 WHHI 91.3 WI Highland ID ComwClub 955
 1042 KNXR 97.5 MN Rochester @27S Temple 965 area ads

1048 KKLS-93.9 SD Rapid City @20S Temple 970 local ad, wx
 1050 88-92 mostly non-WERN unlike earlier
 1052 KCKN-94.1 KS Kansas City @16S Temple 590 wx, ads, ID
 1052 KOFO-95.7 KS Ottawa local ad 550
 1136 KWRV 93.7 SD Winner @7S Waco; 840 lcl, Mission, White River ads, livestock
 1154 KUNC-91.5 CO Greeley @ Waco 795 Greeley County wx, plug Watergate at noon
 1200 WEKU 88.9 KY Richmond ID capsulecast 835
 1201 KWEI 91.1 CO Morrison ID, nx 715
 1222 KVRH 92.1 CO Salida @35N Waco lcl nx 670
 1222 KALL-94.1 UT Salt Lake City ID 1010
 1248 KOB-93.3 NM Albuquerque @Waxahachie 575 ID, "All Music."; Dallas overloads=no DXing
 1400 KAFF 92.9 AZ Flagstaff @8S Denton 840 MOR, "Twin Voice" ID, AI nx
 1240-1241 T: KFCM 96.1 KSL-100.3
 1000-1117 U: 101.5x 103.3x 90xx, many 88-92

30 June (remainder Von Ormy; NM trope today)

0730 KBIM-94.9 NM Roswell in to at least 1000
 0730 KLDG 95.7 NM Hobbs ditto
 1059 WFNE 89.3 WI DePere CC, 1100 s/on, join ECB Net for R. Nederland's Euro Rev. //88.7
 1100 WHA-88.7 WI Madison //89.3
 1058 U: 89.5

3 July

2103 KJSR 90.1 MN Collegetown Cleveland orch; 2104 //91.1; 2108 ID
 2104 KJMN 91.1 MN New Brighton //90.1
 2114 KKIN-94.3 MN Aitkin *Brainerd ad 1225
 2100-2120 U: 90.5 89.1 92.1 88.3 93.9

4 July

0757 WETA-90.9 VA Washington DC cl; 0804 ID, "All American" classical program
 0759 WMKY 90.3 KY Morehead folk, ID, UPI nx
 0850 WSCI 89.3 SC Charleston mass *cl, 0900; 1015 TC, "Carolina Weathervane" from NWS and Clemson Univ. extension
 0910 WRAS 88.5 GA Atlanta hard rock; 0932 Firesign Th; ID, promo diverse cl, jazz, rock, acid "Music to the People" 0935
 0757-0932 T: WAMU 88.5 WBKY 91.3 WAFR 90.3
 WABE 90.1; U: 91.5 91.3 88.9 92.1 92.1

7 July

0928 WJCT-89.9 FL Jacksonville f/in cl; ID
 0928 WFSU-91.5 FL Tallahassee "public radio"
 0929 WFYF 89.1 FL Jacksonville ID "Family Life & Family Living"

Should be another week before breaking down forever the Von Ormy DX monitoring post!!

Abbreviations (in addition to those listed last time, qv): Ac = ABC Contemporary net; h = hours (as in 24h); IGM = International Good Music (automation); IS = interval signal (characteristic melody); BFA = Broadcasting Foundation of America; jgl = jingle; Mu(t) = Mutual net; NA = national anthem; R. = Radio; QTh = location; SSB = Star Spangled Banner; s/on = sign on; s/off = sign off; TC = time check; TT = tone test; WG = Watergate hearing coverage; xmr = transmitter; //parallel (same program on more than one frequency.)

...until the next, via M. Dorner, 73, Glenn.

SOUTHERN · FM DX

Editor: Richard E. Wood
820 Arlington Ave.
Baton Rouge LA 70806
Tel. [504] 343-7771
Deadline: 13th. of month

FEATURING FM DX FROM LOUISIANA TO MARYLAND

Bill Feidt, 8708 Contee Rd., Apt. 14, Laurel MD 20810

Greetings from a new member of the WTFDA. All FM DX here is done with a Sears rx and rabbit ears. Laurel is not the best of locations for FM DX, counting stns in Washington, Baltimore and Annapolis as locals, but every once in a while one sneaks through the din.

5/29 Es

89.1 WYFL Jacksonville FL .01 kw? 1203-1206 EST at incredibly good level; ship arrival-departure skeds at Mayport Basin follo by ID "this is the golden sound of..."
(no, 1900 W, REW)

6/3 Tr

90.9 WUHY Philadelphia PA 11 kw 0001-0004 powerful level; poetry rdg & s/off; ment. new 11 kw erp; this after local WETA s/off natch.

6/5 Es

89.9 WWNO New Orleans LA 50 kw 1830 vy strong w/NPR & local ID, into "China" pgm; addr. as LSUNO, Lakefront, NO 70122, tel. 288-3161.

90.1 KCSC Edmond OK 28.5 kw 1950-1955 o/u local WGTB w/ CL mx, appeal money; adr given: Central St.U., 73034.
Unneeded WPCS-89.3 and WVMI-93.7 also noted during this opening. (So things were reciprocal, as I got several MD and many North-East same time, REW)

6/13 Es

89.7 WMCU Miami FL 3 kw 1700 caught ID via tape mixing w/ stronger WUSF while logging WESH-2 on TV, hi. 1715-1718 in \$, local strength, ID, EL. 1720 nice level, editorial reply address. 1730 "FM \$ 90" slgn, adr. 2037 Main St., J'ville 32206, into CL pgm.

94.5 WDNJ Daytona Beach FL 54 kw 1803 end Symphony Hall, ID WNDB/WDNJ; fair. Unn. WPCS-89.3 and ZBM-FM-89.1 also made appearances this time. ZBM was the 1st. signal noted from 1550-1600.

6/15 Tr

97.3 WHP Harrisburg PA 14 kw 1645 surfacing briefly w/ "\$ 97.3, WHP-" Id while I was logging dominant WGH. 1635-1716 mostly vy strong w/ CL; news, stocks from 1700; "Tidewater wx", moreCL.

97.3 WGH Newport News VA 74 kw

6/17 Tr

89.9 WVIA Scranton PA 5 kw 1202 surfacing over WGTB slop w/ ID, "serving N.E. PA". Power increase? 93.3 WMMR Philadelphia PA 25 kw 1825-1830 w/ jazz mx, ID; gd level, but soon faded, replaced by more normal WFLS.

6/30 Tr

91.5 WYCS Yorktown VA 21 kw 2215-2230 pops to s/off ann; s/on 11:00 am EDT; this one quite weak.

89.5 WSDU South Orange NJ 2045-2102 bombing WGTB, jazz format non-stop to ID & nx on hour.
2235-2253 pop mx, community bulletin board; many ment's Seton Hall U.; hrd couple days later w/ marathon to buy \$ equipmt. Must have had power increase as now gives WITF fits.

6/23 Tr

90.1 WRTI Philadelphia PA 5 kw
Does anyone have info on Cuban on 90.5? Often noted here during openings into FL. 73. (Welcome to the column, Bill, please report monthly and encourage other Marylanders to do the same. Cuban is Radio Rebelde, address Calle M 23 y 21, La Habana, call, though not used, many be CMW-FM. Or, you may report all Cuban stns to Instituto Cubano de Radiodifusión, L y 23, Vedado, La Habana; you should report in Spanish, no return postage enclosed. REW.)

NEW MEMBERS - HOW ABOUT SENDING YOUR FIRST REPORT?

Dr. Richard E. Wood, 820 Arlington Ave., Baton Rouge LA 70806. CDT.

Loggings this very productive E-skip month were boosted by altering my Winegard 11-el SC-650 FM antenna to vertical polarization; it is still at 25ft. on a Tenna-Rotor. Of course, my quad of four CM 9-els at 65 ft. remains. I believe that my logging of new state WY on 97.9 next to my 100 kW local on 98.1 was largely due to the vertical, which also produced better signals than the quad on some Mountain zone stations with vertical polarization. It receives very little signal from semi-local horizontally polarized stations. My states heard total leaped up to 38 plus DC this month. The last day of June brought my 38th., MA in a brief 15-min. opening confined to the educational band.

June 13 Es
 1705-1710 WBPZ- 92.1 Lock Haven PA mi. 1055 PA nx, local spots, stocks
 Then Es quickly moving away from PA/Northeast, to:
 1710-1720 WRVQ 94.5 Richmond VA 922 tips, MoR, local spots
 1710-1720 WPVA- 95.3 Petersburg VA 902 C&W, editorial, live
 1729-1800 WDBR- 95.3 Wanchese NC 960 loc wx, auto EL \$, new on air
 1742-1800 WRNS 95.1 Kinston NC 840 C&W hit chart, live
 1845-1900 WWIL 97.3 Wilmington NC 813 Soul, 150 M85-Black nx, \$
 1855-1905 WLSE- 94.3 Wallace NC 820 live nx, wx, ann // AM; hits
 1945-2000 WFOG 92.9 Suffolk VA 924 auto EL, local spots, \$

June 15 Tr
 0150-0205 KSCS 96.3 Ft. Worth TX 395 ex-WBAP-; auto C&W, nx, \$

June 18 Tr
 0730-0800 KWCL- 96.7 Oak Grove LA 165 new stn; ann \$, // AM, C&W live;
 Es Unn. WFOG 92.9, WWTV- 92.9 Cadillac MI, KBHB- 93.1 Sturgis SD, KWYR-
 93.7 winner SD, 95.7 KHOW- Denver CO, KTCR- 97.1 Minneapolis, WAYL 93.7
 Mpls., and 88.3 KESD Brookings SD still heard 2320, my latest Es reception
 from Baton Rouge. New were:
 1325-1350 WCMS- 100.5 Norfolk VA 964 C&W, \$, nx
 1627-1635 KBVL 94.7 Boulder CO 1035 EL auto \$, ID, local spot
 1630-1645 KFBC- 97.9 Cheyenne WY 1061 next my local 98.1 WAFB-; state
 #36; live MoR, local spots
 2125-2130 WYXE 92.1 Sun Prairie WI 887 record offer, wx, hits
 2137 WVPC- 97.7 Monmouth IL 718 ID only, then under other
 2220-2240 KHKE 88.1 Cedar Falls IA 845 note still on 88.1; UG DJ show
 "Progression", ID as Public R.

June 20 Es
 1250-1300 TGJ- 96.05 Guatemala, Guat. 1085 R. Nuevo Mundo; marimba, many
 local spots, into nx
 1625-1700 TGDZ- 94.8 Guatemala, Guat. 1085 R. Cadena Maya; MoR, seemed auto
 Also unn. TCHR- 98.6 R. Mundial, Guat., HRN- 92.95 La N Grande, Tegucigalpa,
 Hond., 88.8 R. Fabulosa, Guat., unid. Guat. 88.3.

June 25 Es
 0800-0815 KANU 91.5 Lawrence KS 630 stud ann cr nx.; my earliest Es
 1257-1310 KALL- 94.1 Salt Lake City UT 1357 EL, seemed auto, spots, cmtry
 1305-1315 KGIW- 93.5 Alamosa CO 960 CO nx, sports, \$, seemed // AM
 1340-1400 KHFM 96.3 Albuquerque NM 953 YL ann; CL, CL guitar, nice
 1345-1415 KANW 89.1 Albuquerque NM 953 CL medley, ID, into educ pgm

June 26 Tr
 Tr northward, first for five months. Relogs KADL- 94.9 Pine Bluff AR,
 KGRC 92.9 Hannibal MO, KTXR 101.5 Springfield MO, many others to St. Louis.

June 27 Es
 1705-1725 WFUV 90.7 New York NY 1192 my 1st. NYC; stud YL ann; CL
 1720-1740 WDUQ 90.5 Pittsburgh PA 930 NPR ATC; lengthy ID, more NPR
 1734-1740 WCAY- 99.5 Silver Spring MD 990 suburban ads, auto EL \$
 1735-1755 WOOD- 100.1 Lynchburg VA 810 canned gospel, FM only ID
 1740-1750 WPSB 99.9 Bridgeport CT 1248 state #37; local ads, auto EL
 1746 WLBK- 100.1 Lebanon PA 1095 jackpot name, many spots

Richard E. Wood (Cont.)

June 27 Es (Cont.)

1749 WMOD 98.7 Washington DC 989 live local PSA, live RR
 1753-1805 WKTK 105.7 Catonsville MD 1024 DJ, heavy RR, two-city 2-voice ID
 1756-1805 WRCP- 104.5 Philadelphia PA 1112 PSA for Wilmington DE; "Ctry Sun-
 shine", C&W, ABC-1 nx, more C&W
 1800-1815 WBYO 107.5 Boyertown PA 1115 German-accented EE, \$ Gosp, loc nx
 1810-1825 WIOV 105.1 Ephrata PA 1095 C&W live, many German names
 1845-1855 WKJF 93.7 Pittsburgh PA 930 \$ auto EL, ID as 24 hrs.
 1846-1855 WHDL- 95.7 Olean NY 1075 "\$ 95, 95.7 FM", loc wx, EL
 1849-1901 WKAL- 95.9 Rome NY 1240 Contemp. live, loc spots, mono
 1853 WPST 97.5 Trenton NJ 1140 bingo game, prizes. NJ #3.
 1853-1905 WINE- 95.1 Brookfield CT 1252 lost dogs, \$, MBS nx. CT #2.
 1859-1915 WVSC- 97.7 Somerset PA 930 Pirates 88; local ID; mixed WTYL-
 1915 WSEN- 92.1 Baldwinsville NY 1205 loc wx, contemp, mixed WBPZ- PA.
 1915 WBUS- 93.9 Miami Beach FL 780 First FL Es; prev. by Tr; UG RR
 1920-1930 WVBR 93.5 Ithaca NY 1156 loc nx, wx, Prog RR, \$, nice
 1930-1940 WVVO 89.9 Oswego NY 1230 nice for 930W; nx, wx, ID, MoR
 1946-2000 WREZ 94.5 Buffalo NY 1094 cleaners ad, auto EL
 1948 WCSC 91.3 Grand Rapids MI 915 PSA, ID "\$ 91", only Midwest noted
 Plus a few relogs including WXRA 105.9 Woodbridge VA, WBPZ- 92.1 Lock
 Haven PA.

June 29 Tr

0739-0800 KWHI- 106.3 Brenham TX 290 many ads, loc nx, auto MoR

June 30 Es

1745-1800 WFCR 88.5 Amherst MA 1324 all SS, talk of P.Rico, guitar mx;
 Only logging in this brief opening, but very productive - state #38; also
 unid. 91.1 quite possibly other Amherst. SS language first made my turn
 antenna to KTEP El Paso, but no, was Mass. Is regularly in SS this time.

July 5 Es

Brief opening 2149 88.5 un. KTEP El Paso TX only; had C&W.

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

DX-ing from our cottage at Fair Haven MD overlooking the Herring & Chesapeake Bays, 15 mi. below Annapolis MD. Logged and reported during June.

	mi.	power on QSL	EDT
99.1 WPLR New Haven CT	260 Tr	10 kw	6/17 0508-0556 fair. Blocked by WNAV carrier Q556. RR, vy few anns.
88.1 KHKE Cedar Falls IA	865 Es		6/29 1941-2006 Powerful! Folkways pgm. Nx & wx at 1955.
94.5 KWMT Fort Dodge IA	970 Es		6/29 2011-2026 In & out MoR mx, spots.

And that's it for this month. Some others noted on 6/29 opening (unneded here) KSOZ MO 88.1; KNUW KS 89.1; WHWC WI 88.3 and a number of other WI stns on the educational band. It looked as though the afternoon and evening on 6/30 were good for DX. (Yes, cf. above, REW). We hosted the annual church picnic that day and TV was going wild but I had no chance to check FM. Will be spending our vacation at the cottage most of August, but that will probably be too late for FM skip. Veries in (all letters) - WPRM PR 98.5 25 kW; WHPC Garden City NY 90.3 390W; Veries now at 646 in 31 states, Ont., P.Q., Man. plus Bermuda, Cuba and Puerto Rico. 73, Hank.

 Correction: On p. 17 in June VUD, line 31, "WKLD" Clanton AL should read WEZZ. (Tx to BFE).

Thanks to all reporters for their support - Larry Vogt by special delivery letter when he heard the deadline had been moved forward. Please support the column as such active reporters do. As I have said before, it takes no fancy receiver or antenna to log skip. Some of the best skip loggings have been made on table model or car radios. So let's have a report from you.REW

Larry I. Vogt, 8213 Springfield Village Dr., Springfield VA 22152

Rx; Fisher 500TX. Ant: Finco FM4G at 25 ft. Times: EDT. New logs underlined.

June 13; 1634-1702 Es to Bermuda w/ ZBM 89.1 and ZFB 94.9 coming thru. \$ MoR Formats (850 mi.). 1759 Es to Florida began. Logged 14 new FL stns w/ help of FM Atlas & Station Directory. Don't know how I got along without it in the past. (Right, how many of you readers are still muddling through without its aid? REW) 1758 WHRS 91.7 Boynton Beach (840) ID; 1859 WLRN 91.3 Miami (910) end BBC interview pgm; 1801 WMCF 92.7 Stuart (810) local ads; 1805, 1815 WGYL 93.5 Vero Beach (780) WGYL News Capsule, ads; WJCT 89.9 Jacksonville (630) \$ CL, YL anncr; 1810 WRMF 98.3 Titusville (730) ad for Daytona Beach; 1815, 1825 WMOP or WFUZ 93.7 Ocala (710) ads, later editorial, sports. Tentative report sent to get correct call for the log; 1821 WFAM 91.1 Jacksonville (630) discussion; 1823 WTLD 94.3 Lake City (660) severe wx warning; 1824 WGMW 94.3 Riviera Beach (830) RR; 1805-1830 WYFL Jacksonville (630) mono EL. Strong, stable sigs compared to others; 1830 WALJ 93.5 Naples (900) nx; 1833 WKTZ 96.1 Jacksonville (630) nx; 1835 WUSF 89.7 Tampa (795) PSA; 1844 Cuba on 90.5 - sounded like Rebelde; 1858 WPCS 89.3 Pensacola (800) Freedom Talk #64 (Lifeline is heard daily 1845 ELT, REW). Only one from W. FL & had much fading; 2100 WHOD 96.5 Orlando (750) ad for camping sites - "write WHOD"; 2103 WQXM 97.9 Clearwater (800) ad Spectrum Electronics; 2104 WFOY 97.7 St. Augustine (650) wx, ads. FL stations then quickly faded out. Big surprise at 2115 when XMGL 97.7 Mérida, Yucatán (about 1500 mi.) came thru for country #6. They were heard until 2128 peaking "moderately strong", but w/ lots of fading. Heard ads for El Banco de Yucatán, Ron Potosí (ron de clima tropical), & cigarrillos. ID was "Contribución de XMGL frecuencia modulada a la comunidad, radio y televisión al servicio de México." (Congratulations, REW)

June 19: Trops to the north & another workout for me and my new FM Atlas. 8 new stns and too many relogs to mention. 2105-2132 WVIA 89.9 Scranton PA (210) folk mx-disc. pgm. Fairly weak; 2119-2205 WRHY 92.7 Starview PA (110) Prog. RR. Much fading but strong peaks from this 720 watt stn; 2228 CKPC 92.1 Brantford, Ont. (330) "Starlight Concert"; 2238, 2259 WPHD 103.3 Buffalo NY (290) w/ ads, ID; 2241 WWOL 104.1 Buffalo NY ad, jingle; 2300 WAKM 100.9 Bedford PA (120) ads; 2331-2337 CHSC 105.7 St. Catharines, Ont. (310), "mx. that's soft & easy"; 2207-0002 WQLN 91.3 Erie PA (270) \$ CL & s/off 0002.

June 20: And the trops just keep on coming. 14 more new ones and no sleep tonight. (A worthy sacrifice, REW). 0016 WWSE 93.3 Jamestown NY (250), "Your old friend w/ a new name, WWSE, the happy sound in Jamestown"; 0017 CKQS 94.9 Oshawa, Ont. (350) MoR, ads; 0032 WAMO 105.9 Pittsburgh PA (175) black mx, WAMO jingles; 0030, 0130 CHIN 100.7 Toronto (340) RR, "Radio International" & "Payne till 4 am"; 0125-0131 CHUM 104.5 Toronto \$ Progressive RR; 0129 CKFM 99.9 Toronto \$ MoR; 0139 WRQC 97.9 Rochester NY (295) \$ EL (24 hrs/d); 0148 WVOR 100.5 Rochester "no nonsense music for the adult majority, we don't kid around" (sounds kinda grim, REW); 0140-0200 CHFI 98.1 Toronto CL; 0201 WQZD 101.3 Rochester PSA on NY labor laws, write WEZO; 0202 WLAN 96.9 Lancaster PA (110) sign-off; 0207 WGRQ 96.9 Buffalo RR, jingles (typical "Q" format); 0213 WQWK 96.7 State College PA (140) promo a "quick" radio contest; and finally 0800 WCCS 101.7 Central City PA (150) nx. Signals quite strong from most of these. (Some nice Canadians there, REW).

June 29: Es started 1751 w/ ZBM 89.1 Bermuda in again. Also on 89.1 at that time was a \$ RR stn from the west. At 1758 WHA 88.7 Madison WI (690) was heard. This means that there was again (as on 5/28) the possibility of double-hop from the WI, IA & MN area to an Atlantic DX country. Others hrd were 1900, 2140 WCAL 89.3 Northfield MN (900) CL; 1854 KANU 91.5 Lawrence KS (960) "Kansas Editorial Review". They gave the call letters of other KS stns during this pgm - beware! 1931 CL // on 88.7 & 90.3 probably WHA & WHLA in WI; 1944-1957 KDCR 91.3 Sioux Center IA (1030) nx, bulletin board; 1955-2016 KHKE 88.1 Cedar Falls IA (830) mono folk-country-bluegrass and nx at 1958. Very strong sigs have me wondering why I didn't hear them

Larry T. Vogt (Cont.)

before this. (Yes, I think this stn has made some changes - very potent here on Es, and cf. other reports herein. REW) 1959 WAJP 93.5 Joliet IL (590) ID; 2002-2012 KOEL 92.3 Delwin IA (800) \$ C&W, livestock ad, jingles. Much fading; 2009-2028 WACI 92.1 Freeport IL (685) oldies on "WACI Gold Weekend"; 2013 KCHF 93.5 Sioux Falls SD (1060) ad for Dakota Decorators. \$ on peaks; 2014-2023 KMMT 94.5 Ft. Dodge IA (910) ad, 2 IDs in a row. "\$ 94" and in \$ o/WRVQ Richmond; and 2016-2023 KESD 88.3 Brookings SD (1070) oldies, SD nx. Weak sigs and lotsa fades.

Totals now at 495 from 35 states and 6 countries. Veries only trickling in. Must be a lot of CEs on vacation - only about a 30% return so far this season. Lots of luck to all. 73.

Lowell E. McCown (K41TF), Box 416, Martin KY 41649

Es finally made its debut for 1973; though not in a big way. On the eve. of June 4 the first activity was noted from S. TX and NM. Here's how it went:

June 4, 1973 Es. EDT.

3:07 pm KELT 94.5 Harlingen TX (1175) ad "Palm Valley Estates"

5:00 pm KSIX- 93.9 Corpus Christi TX (1090) ID then fade-out

9:15 pm KBIM- 94.9 Roswell NM (1250) ad Stardust Supper Club (this is my
my most distant stn thus far)

9:42 pm KAUM 96.5 Houston TX (900) local jeweler spot. (this is the latest
I have heard Es).

No stns observed above 94.5 on the above opening.

On June 5 Es stns were heard from the S. TX area again. Nothing new, however. KELT was heard for the second time in as many days. This opening began at 9:30 am and lasted until 11:00 am. The stns were quite weak.

June 6 the band opened again to S. TX. This opening began 10:30 am and lasted until 1:00 pm EDT. KELT was in there again for the third consecutive day, something which has not happened before at this QTH. (I have never had 3 consecutive days of Es, HI.)

Here are my loggings for June 6; they are all new here:

10:33 am KLEF 94.5 Houston TX (900) promo for opera program

10:57 am KEEZ 97.3 San Antonio TX (1065) promo North San Antonio Times

11:05 am KINL 92.7 Eagle Pass TX (1190) just got their ID.

11:30 am KIXS 93.3 Killeen TX (960) local nx w/ Robert Adams (my best TX
stn., 760 watts). (Nice, REW).

11:47 am KOYE 92.7 Laredo TX (1190) spot Vicky Lynn Clothing.

11:48 am KWLW 93.9 San Angelo TX (1090) local nx/promo for ABC news

12:00-12:30 pm KSJT 97.5 San Angelo TX (1090) All Span. except 2 ann. abt
Houston Astros Baseball in EE.

12:43 pm KSEL- (Freq. is 93.7, REW) Lubbock TX (1095) Spot Rolling Stones.
Nothing heard over 97.5 on above opening.

No more Es observed until June 13 at which time I enjoyed a treat from S. Fla. Most of the signals were quite strong during the duration of the opening. This opening began at 6:35 pm EDT and ended at 7:35 pm; MUF was good to 106 MHz. Here's the way they came through:

6:35 pm WGYL 93.5 Vero Beach FL (700) spot Evelyn's on the Plaza.

6:37 pm WGMW 94.3 Riviera Beach FL (810) spot "The Tall Man's Shop"

7:00 pm WTMI 93.1 Miami FL (830) "The fine arts stn. in Miami, WTMI, w/
60,000 w of \$: power, broadcasting from Sailboat Bay".

7:15 pm WMCF 92.7 Stuart FL (740) spot savings & loan co.

7:24 pm WRYZ 96.7 Jupiter FL Promo Father's Day.

7:35 pm WEDR 99.1 Miami FL (830) weather for S. FL.

7:30 pm WNCU 89.7 Miami FL (830) "This is WNCU FM, Miami FL, the radio voice
of the Miami Christian Univ."

7:35 pm WMYQ 96.3 Miami FL (830) spot for wine.

And so ended the good FL opening. Unable to ID stns above 99.1 due local QRM.

Lowell E. McCown (Cont.)

June 18, FL was heard again - very briefly.

3:37 pm EDT WFYN- 92.5 Key West FL (900) Detailed wx forecast. This is my Southern-most stn. heard.

And yet still more S. FL stns on June 24.

5:25 pm WBUS- 93.9 Miami Beach (830) nx.

5:30 pm WOCN- 94.9 Miami Beach (830) "It's 5:30 - time for more great mx from 'Ocean' - WOCN."

On June 27, the South broke through again w/ an excellent opening. The following states were heard: FL, LA, AL (my 34th. state), MS and TX. It was a good thing that the signals were very strong because I had interference from two sources - a severe local electrical storm, and some "handyman" had his power tool going which didn't help matters any, The MUF was at about 98 MHz. June 28.

6:00 pm WMEZ 94.1 Pensacola FL (560) spot Wrigleys gum.

6:45 pm WQUE 93.3 New Orleans LA (680) spot Ford wagons.

6:47 pm KRLY 93.7 Houston TX (900) spot Pepsi.

6:52 pm WKSJ 94.9 Mobile AL (560) spot Eastern Shore Auto Assn.

7:05 pm WVMI- 93.7 Biloxi MS (615) spot Gulf Nat'l Bank.

7:15 pm WABB- 97.5 Mobile AL (560) Inv. to heard man speak Baptist Church.

7:30 pm KCAW- (Freq. is 93.3, REW) Port Arthur TX (870) ID "Serving the Golden Triangle 24 hrs. a day - This is KCAW AM-FM \$ P.A."

and finally...a long-awaited opening to the New England area materialized on June 29. NY (state #35) and two Maine stns. (both tentative, however) were logged. (ME would be #37 for me.) (what happened to #36? REW)

6:50 pm WLNG- 92.1 Sag Harbor NY (600) promo Lions Club exhibit & sale

7:20 pm WRKD- 93.5 Rockland ME (835) "Today in Sports Pgm", sponsored by McCarty's Drug Store, 606 Main St., Rockland... (Since I did not hear the call but heard Rockland, sent tentative)

7:15 pm WMEH- 90.9 Bangor ME "Will have sports & wx for the Pioneer Valley after this message", then PSA, fade-out. Since there was only 5 mins, between the above logging and this one... well, why not write and ask...(I'll have to call this one a long shot, hi.)

So it goes... This June was not as spectacular as last June, but it did offer some interesting stns for my log. I have a word of advice to those of you who report stns in San Antonio TX. You had better make sure you have complete address on it or it might be returned marked "insufficient address". In 20 years I have only had 2 reports returned to me because of incomplete address - Yes, both were in San Antonio. I have occasionally sent one to the wrong address, but I can understand that when one is returned. Rx: Heath AR-17. Ant: folded dipole made from 300 ohm twinlead. I call it my "Back Porch Special" because that's where it is. Martin is in E. KY nestled in a valley w/ 600-ft. hills on either side. Not near any large city. 73 & DX.

Ken Simon, 528 Pilgrim Rd., West Palm Beach FL 33405

It's been a while since I've sent an FM report. I just haven't been doing too much FM DXing...more like stumbling over skip...

28 May 73 2055 EDT Tr WSCI Charleston SC 89.3 "Broadway in Beat" as good as a local. (440). QSLed by letter. New state.

24 Jun 73 1748 Es WKAR Lansing MI 90.5 Mich. Tape Network. (1160) New state.

27 Jun 73 1845 Es WQI Ames IA 90.1 Pub. R, local IA nx, (1290) New state.
1901 Es WTKW Chilton MI 89.3 MI wx and late nx on wisc. Educ. Network. (1300). was ID heard? This is now WPNE Green

Ken Simon (Cont.)

Bay WI, REW)

30 Jun 73 1445 Tr WSCI Charleston SC 89.3 Eastman Concert recital...as above.

FL, SC, MA, ME and TX verified, 5 states; WI, MI and IA logged, not QSLed yet, 3 states, for a total of 8 states. Will try and report more in the future. 73's. (How about foreign stations? From your location, you could get far beyond Cuba and Mexico. See BFE's recent list of Dominicans, P.R., Panama, etc. REW)

Ronald J. LeBlanc, 2524 Arizona Dr., Marrero LA 70072. CDT.

6/4 Es 1815 KFOR 92.9 Colorado Springs CO EL, Porsche Audi spot (1040)

6/5 Es The biggest day this year so far.

1720 WJR 96.3 Detroit MI \$ (945)	
1723 CKFM 99.9 Toronto, Ont. EL \$ (1125)	
1728 WAXX 104.5 Eau Claire WI C&W (1036) (Is WEAU-, FM affiliate of WAXX AM)	REW
1735 WFIN 100.5 Findlay OH nx \$ (856)	
1740 WFYR 103.5 Chicago IL oldies RR (838)	
1745 WJKL 94.3 Elgin IL EL \$ (833)	
1801 WAYL 93.7 Minneapolis MN EL \$ (1052)	
1830 WECW 103.7 Wauwatosa WI "FM 104, All mx. all the time" (900)	
1837 WPDH 100.1 Portage WI RR "Tower of Power" (946)	
1838 WRWC 103.1 Rockton IL EL (879)	
1842 WFAW 107.3 Fort Atkinson WI EL \$ (900)	
1850 WSTC 96.7 Stamford CT (1216), new state, #30	
1901 WGIT 94.9 Galesburg IL C&W \$ (766)	
1915 KBVL 94.7 Boulder CO nx comm. carpet shop (1103)	
1930 WPST 97.5 Trenton NJ \$ (1126)	
1937 WHFI 94.7 Birmingham MI pop \$ (900)	
1943 WQLR 106.5 Kalamazoo MI \$ (900)	All stations shown
1948 KOIL 96.1 Omaha NE (856)	this time are new;
1951 WAZY 96.7 Lafayette IN (743), new state, #31	some distances
1958 WVSC 97.7 Somerset PA (946)	omitted owing to
2030 KCCM 91.1 Moorhead MN \$ (1216)	advanced deadline.
2035 KBHB 93.1 Sturgis SD \$ (1239)	
2050 KWQA 95.1 Worthington MN \$ (990)	
2059 KESD 88.3 Brookings SD CL (1059)	
2103 KWAT 96.1 Watertown SD \$ nx, pop (1112)	
2150 KCIM 93.7 Carroll IA \$ local nx (879)	
2158 KIWA 105.5 Sheldon IA (969)	
2225 KRBK 94.3 Brookings SD Solid Gold (1059) 6/13 (Cont.) (946)	
2234 KFMG 94.9 Des Moines IA \$ Rock (833) 2025 WRFL 92.5 Winchester VA CW	
	2045 WRVQ 94.5 Richmond VA (900)

6/6 Es Another good day.

0920 KDVR 97.9 Sioux City IA \$ (946)	6/15 Es noted, a few reruns
0925 KLFM 104.1 Ames IA \$ MoR (854)	
0935 KRIT 96.9 Clarion IA local nx (900)	6/18 Es, some reruns, one new.
0938 KEYC 99.1 Mankato MN \$ (1012)	2128 KHKE 88.1 Cedar Falls IA RR (879)
0953 KCHF 93.5 Sioux Falls SD \$ MoR (1013)	
0955 KCKN 94.1 Kansas City KS C&W (699)	6/24 Es First time FM skip to FL
1002 KKCA 97.7 Fulton MO (630)	1420 WQXK 92.1 Hialeah FL EL \$
1031 WISN 97.3 Milwaukee WI (922)	1424 WHRS 91.7 Boynton Bch FL talk
1037 KNIM 95.3 Maryville MO MoR (786)	1426 WBUS 93.9 Miami Beach FL (686)
1050 KHUB 105.5 Fremont NE local ad (879)	1434 WRYZ 96.7 Jupiter FL EL \$
1100 KFMU 94.9 Kansas City MO \$ EL (686)	1435 WMCZ 92.7 Stuart FL wx \$
1159 KDLO 96.9 Garden City SD nx (1103)	Plus some reruns.

6/10 Es rerun 92.9 "KAFF Country Mx." AZ

6/13 Es 1955 WFOG 92.9 Suffolk VA ID \$ (900)
new state, #32
2000 WRC 93.9 Washington DC \$ EL (969)
first time for DC.

Rogald J. LeBlanc (Cont.)

6/27 Es
 1707 WNYC 93.9 New York NY local nx
 1744 WESA 98.3 Charleroi PA (note correct letter underlined, not v, REW)
 1748 WKEE 100.5 Huntington WV (new state, #33)
 1756 WZFM 98.3 Charles Town WV RR
 1801 WKJF 93.7 Pittsburgh PA EL (1098)
 1804 WDBN 94.9 Medina OH wx EL \$
 1821 CHIN 100.7 Toronto, Ont. \$ (1125)
 1829 CHFI 98.1 Toronto, Ont. \$ (1125) ad movie "Scarecrow"
 1836 WNCQ 97.5 Watertown NY \$ "what Fun Radio"
 1846 WRBS 95.1 Baltimore MD (1006), new state, #34
 1900 WSYR 94.5 Syracuse NY nx (1190)
 1903 CHSC 105.7 St. Catharines, Ont. nx
 1905 CKSO 92.7 Sudbury, Ont. CL \$ Beethoven Moonlight Sonata (good catch, REW)
 1909 WRDC 97.9 Rochester NY wx, RR \$. Plus many reruns, some unid.
 Later that night some tropo into East TX.

6/27 to 7/5 Some E. TX tropo, nothing outstanding.

7/5 First skip in July started 2055. My first skip from Texas.
 2100 KTEP 88.5 El Paso TX C&W Totals now 495 stns, 34 states, 5 cties.
 2105 KSET 94.7 El Paso TX MoR & RR \$ Hoping to see many of our readers at
 2122 Rerun KRWG 90.7 Las Cruces NM the Dunkirk Convention. 73s.

(DELHI.. from page 4)

Finco reflector when it entered Canada. DXers might wish to install the modified UHF feed on their own Finco dishes. There is a possibility Delhi might sell you the feed section alone. If anyone is interested in purchasing the "feed section" I would suggest that he write to EDWIN A. ADAMS, at Delhi Metal Products Limited, Delhi Ontario, Canada. If you were to mention the VHF-UHF Digest article, he might be able to aid you.

I do not believe Delhi markets their VHF antennas in the U.S. (they are now owned by General Instruments). They might sell to DXers, if the DXer were to pay shipping and duty charges (if any) into the U.S.

In addition to the products mentioned in this article, I can also recommend their FM antennas, a Delhi 6-element antenna powers my Heathkit AJ-15.

73's and good DX. *Mark L. Lewis*

"reporting" the news



FLASHY NAMES for TV newscasts can help identify DX stations. Aside from occasional ads (not program listings) in TV Guide and actual observation there seems to be no source for this information. I hope the following far-from-complete list current as of the past four months, will help YOU. --Glenn Hauser

- | | | |
|---------------------------|------------------------------|---------------------------|
| 2 KNXT The Big News | 4 WOAI 4 Big News | 8 WSIX The Big News |
| WESH Eyewitness News | 5 KENS Eyewitness News | KIFI news BEAT |
| WGBD Eyewitness News | WLAC Eyewitness News | night |
| KDKA Eyewitness News | KSL Eyewitness News | 9 WAOW Wisconsin Report |
| WLMD TV2 Nightly News | KSD Eyewitness News | (also WXOW-19 WKOW-27) |
| WMT 2 Action News | WRAL TV5 Action News | WCPO The Al Schottel- |
| WBAY Information 30 (6pm) | WLWT Action News | kotte News |
| WBAY Update 30 (10 pm) | 6 KCEN Newswatch | 10 WPLG The Scene Tonight |
| 3 KORK Eyewitness News | KRIS Pro-News | 11 WQXI Pro News |
| KIII Eyewitness News | WLUC TV6 News | 12 KTR News 12 |
| WISC Eyewitness News | WITI News60 (6 pm) | KSAT Newswatch 12 |
| WSAZ N3WS | 7 WITN eyeWITness news | 22 WKCF Eyewitness News |
| KMTV News3 | WHIO Total News | |
| WRCB News3 | 8 WVUE The Alec Gifford News | Now it's YOUR turn! |
| WKYC TV3 Nightly News | (10 pm) | |

NORTHERN FM DX



Russ Brown
3274 South Lake Shore Dr.
St. Joseph, Mich. 49085

John Ebeling 9209 Vincent Avenue So. Bloomington, Minnesota 55431

June turned out to be an excellent month for Es here in the Minneapolis area with good openings on FM June 5, 6, 10, 25, 27 & 29, also had a few good days of Tr the mornings of the 9th and 22nd. Times are CST which I use the year around: June 6, Es KOCV 91.3 Odessa TX wx, ID @1100; 1130 KIXY 94.7 San Angelo rock; 1135 KLDG-FM Hobbs NM; XHTO 100.9 Cd. Juarez Chih. MOR \$ & had a 67 kHz mx sub-carrier, very strong & my 2nd Mexican.. last one was 12 long years ago; 1145 KTDB 89.7 Ramah NM nx by YL. June 9 WMKC 96.7 Oshkosh WI on tr @Q615 w/MOR. June 10 Es KBBK-FM Boise ID @ 2100, rocker with a 67 kHz SCA signal; KID-FM 96.1 Idaho Falls..relog. June 22 tr WATW 95.9 Ashland WI @0545, variety mx & cheese commercial. June 25 Es 1200 KMCR 91.5 Phoenix relog w/new calls, WJCT-FM 89.9 Jacksonville FL @1200, 1201 WRAS 88.5 Atlanta GA 1201 relog, 1230 XHRL 98.1 Monterrey NL Stereo rock, funny....12 years between first 2 Mex. stations & 19 days between the 2nd & 3rd. 2210 tr WPRE-FM Prairie du Chien WI Brewers BB and s/off. June 27 Es WFMM 93.1 Baltimore MD @1800 semi-classical, 96.1 WKTZ-FM Jacksonville FL @1815 relog MOR, WYFL 89.1 @1818 pushing Univ. in Jacksonville, WJCT-FM classical @1820, 1835 WPGT 90.1 Roanoke Rapids VA w/MBS nx, 1845 WTAR-FM Norfolk VA, WQSM 98.1 Fayetteville NC @1900 w/nx, 1905 WQDR 94.7 Raleigh NC relog w/new calls, hard rock and Muzak SCA, 1915 WFOG 92.9 Suffolk VA MOR & Muzak SCA, 1925 WYFI-FM Norfolk VA gospel phone 623-6262, 1928 WCMS-FM Norfolk VA country; June 29 Es 1622 WWSC-FM Glens Falls NY nx & wx rain, 1648 WEAS-FM Savannah GA black, hard rock w/weak modulation at times, 1655 WACG 90.7 Augusta GA classical/ID as voice of Augusta college, 1700 WTOG-FM Savannah rock, WJCL 96.5 MOR, 1701 WVNY 92.9 Burlington VT commercials for H.A. Monash Well Co. and auto parts outfit w/branches in New Salem, etc. Vermont becomes state #40 for me. (congratulations John, RB). 1902 WDSC-FM Dillon SC.

Bruce F. Elving Box 24 Adolph, Minnesota 55701

Skip has been good on just a very few productive days here; otherwise, its been a rather humdrum FM DX season. May 28 brought these nuggets from Texas: KLEF 94.5 and KPFT *90.1 to complete my Houston, save for 10-watters; KETX-FM 92.1 Livingston(full of "Lake Livingston" weather forecasts), and KNRO 106.9 in Conroe. The evening of June 5 was somewhat better with all these new to my log: KMRC-FM 96.7 Morgan City LA; KPAC-FM Port Arthur, KWIC Beaumont, KMFM 96.1, KQXT 101.9, KEXL 104.5 and KBUC-FM 107.5 to complete my San Antonio, KROB-FM 99.9 Robstown "K-Rob Country", KOYL-FM 97.9 Odessa, KOBS 104.5 (with the usual tinny audio on the music; verie signed by owner Charles Kobs), and KUT 90.7 Austin with jazz and later Spanish, all TX. The afternoon of June 6 was the best skip day. New ones received from TX: KGTN-FM on 96.7 in Georgetown, KOCV *91.3 Odessa, KTEP *88.5 El Paso(mono, but will go stereo when they begin higher power operation), KFMN 99.3 Abilene, KDJW-FM 94.1 Amarillo; KPAN-FM 106.3 Hereford, and the high point of the day -- hearing the mule-train sound effects to separate the different program elements on KMUL-FM 103.1 Muleshoe. From NM: KMTY 99.1 Clovis, KSNM 95.5 Santa Fe, KLEA 101.7 Lovington, and the low-powered KDEF-FM 94.1 Albuquerque. Also, KIUP-FM 100.5 Durango CO with \$MOR, KSNM-FM 93.7 Pocatello ID \$rock(myfirst from that state). Trops June 9 gave WISS-FM 102.3 Berlin with mono country mx and the new \$ station WCSG *91.3 Grand Rapids MI. Also picked up the new KABG 105.5 Cambridge MN with \$ and MOR and sports. June 16 skip: WWIL 97.3 Wilmington NC with soul and \$ and WKRY 93.5 Columbia SC(\$MOR). June 27 WLSE-FM 94.3 Wallace, WAAV 102.7 and WMPD-FM 100.9 both Wilmington and WMBL-FM(\$MOR) Morehead City, all NC. Also that evening: WYCS *91.5 "your station for education" Yorktown VA, WESC-FM on 92.5 in Greenville SC. and WWBD-FM 92.7 identifying as "Bamberg-Denmark" SC. KWGO on 99.5

FM NORTH

August 1973

Bruce Elving, cont.

was received in Lubbock TX, now with \$(formerly heard identifying as "Abernathy"); KGNC-FM Amarillo TX heard on its new frequency, 97.9, instead of 93.1(not counted anew), and all the following with new call letters: WJXC 96.9 Charleston SC(WCSC-FM); WFUZ 93.7 Ocala FL (WMOP-FM now with \$ and MOR), WJNC 92.5 Henderson NC (WHNC-FM; has mono country music); WNEZ 94.1 Pensacola FL (WPEX); KIKS-FM Killeen TX (KLEN-FM); WVBS-FM Burgaw NC (WPGF-FM); KDBH 97.7 Natchitoches LA (KNOC-FM); WIEN 107.1 Virginia MN (WHLE-FM). Total heard from the Duluth area on FM: 1185, of which 47 stations are new ones for 1973. 73.

Joseph Fela 150 Robert Place So. Plainfield, New Jersey 07080

Greetings, its been a while since I reported in. DX so far this year has been good on skip but very poor on tropo. The receiver is still a Lafayette LR-1500T. The antenna a JFD FM-10A on a rotor, of course. DX with all times ELT: 5-23 Es 1901 WUSF 89.7 FL going into 'All Things Considered, 1928 WHRS FL 91.7 w/wx(Palm Beach temp.) & promos, WMCU 89.7 FL w/religious. 6-13 Es 1744 WOON 94.9 w/"Ocean"ID, Food Fair ad, 1746 WQXK 92.1 'serving Greater Miami'..I assume this is ex-WHMS(right Joe, RB) 1749 WALJ 93.5 FL w/Job Line PSA, 1801 WFLA 93.3 FL w/good mx, sounded automated, 1803 WMYQ 96.3 FL rockin' thru local WQXR, 1807 WVOG 99.9 FL w/community nx, 1809 WAXY 105.9 FL bombing local WHBI with old rock, "waxey" ID's (v1 sez they are directional, figure 8 N/S - also sez they were heard in Waterloo, Ont. at same time), 1831 WRYZ 96.7 FL w/nx, 1853 WGOV 92.9 GA with country music, poor modulation and hum on audio, 1859 WJAX 95.1 FL w/ID then NBC nx. 6-19minor tropo so a few call changes noted ..2130 WENU 92.5 CT over-riding potent WIFJ, seemed to have a jazz program 2135 WPDH 101.5 NY with country mx, apparently ex-progressive. 6-20 Spot-ty tropo againwith the only thing of interest being WPEL 96.5 PA over-riding WWDB at times. 6-27 A very big skip day. 1804 WIUM 91.3 IL w/ wx, 1825 KGLC 89.1 MO w/rock, 1830 WLCC 88.9 IL w/PSA about tornadoes, ID, then into "Conversation", 1840 KWKI 93.3 MO w/bulletin board then rock ..(?-they were c/w last time I heard them a few years ago)(they changed to soul two or three years ago Joe, RB), 1844 KCKN 94.1 KS w/many ads, jingle, c/w, 1849 KRES 104.7 MO w/"trading post" thing, 1856 WDBR 103.7 IL w/wx/rock, 1857 KFMV 107.9 AR w/black programming, mentioned St. Louis baseball, 1901 KSWT 107.7 w/K-Sweet ID, 1910 KSIK 92.1 w/rather long wx summary, 1915 KSYM 92.5 w/progressive, into ABC nx @ :15, 1959 KPFT 90.1 making it thru WRTI somehow, ending a 3 hour cl program from what I could make out, 2000 KOSU 91.7 OK ending 'Mx by Candlelight, ID mentioning 100,000 watts, 2009 KOOD 104.5 NE w/wx, K-triple 0 ID, c/w, 2101 KMDW 89.1 KS w/promos and ID. 6-29 another big Es day with MN & FL coming in at the same time at one point, 1734 WRAN 101.3 MN with rock and about five jingles in a row at one point, 1740 (approx)...a rather unusual stroke of good luck...local WPLJ 95.5 broke down for about 2½ hrs with a skip opening going; someone on 95.5 right off the bat with ads for Wausau but did not hold and no IDs given, 1755 KXTR 96.5 MO w/"Drive Time Classics", 1803 WGEA 93.5 AL w/eyewitness nx (I wonder how they figured that), 1820 WGOV 92.9 GA again w/c-w, sounds amatuerish even though it is(probably) automated, 1822 WSEF 95.5 GA w/"Pet Patrol"(only GA #2 here), 1825 WLOW 95.9 SC w/ads, WLOW calls given(that's SC #1), 1828 WTVY 95.5 w/WTVY Total News, 1836 WIRB 96.9 AL w/many ads, rock on the harder side(a little unusual for the South?), 2002 slight resurgence of opening briefly with KGRC 92.9 MO w/rock, ID, "Great River Country" slogan. 7-2 new WNHU 88.7 CT w/nx, progressive rock at 2200, 2225 WAFL 97.7 Milford DE w/c-w was added. 73 for now.

Harry Hayes 2 Henry St. Wilkes-Barre, Pennsylvania 18702

Although things started out slow in '73 FM cx are just beginning to get

Harry Hayes, cont.

exciting now. Today, June 13 as I write this the Es MUF was past 107.9 at 1800. First: 5-23 Es @1845 MUF to 99.9, WOMA 94.9 Tallahassee FL w/c&w, tent. KWFC 97.3 MO @1930. 6-9 tr(following DX from Thornhurst PA) 0644 WECN 105.9 Hartford CT, WEZV 95.1 noted all day & days following w/very potent signal f/Bethlehem PA, stn. is inaudible in W-B. 6-13 Es, tuned in TV @1700 and MUF kept going up and down every few minutes, 1805 WYRL 102.3 Malbourne FL w/c&w/MBS nx, potent signal; 1809 WVOG 99.9 Boca Raton FL; WFTL 106.7 Ft. Lauderdale w/nx; 1816 WIRK 107.9 W. Palm Beach FL w/rock then into nx; this is as high as I've seen the MUF, beating 107.7 1832 WLOQ 103.1 Winter Park FL "51 minutes of music every hour", 1841 WQIK 99.1 Jacksonville, this station was in for a full half hour or more w/very potent signal, when I tuned in the announcer mentioned a Pete Mainard receiving the station in Brookville VT; 1900 WHEW 101.9 Ft. Meyers; unid 94.9 w/HP WLCY?(that's their format, RB); 1907 WPKE 104.1 Cocoa Beach vy potent signal w/AM's WRKT calls used. FM total this time 147 heard, 1 prospective verie from WQIK. 73.

William O. Dickerman YMCA Williamsport, Pennsylvania 17701

6-22 WSHH 99.7 @0429 "wish, allmusic, all the time"; 0534 WSEA 103.3 York PA; 0644 WEBO Owego NY 101.7; 0716 WGAL 101.3 w/a special wx report f/the national wx service; finally @0744 I logged WEZV 95.1 Bethlehem w/"EZ radio wx". 6-26 WDUQ 90.5 Pittsburgh heard @2158 w/nx/wx, s/off @ 2205. This brought my FM station total on my Zenith R7000y-1 here to 93 heard since 2-17-71.

Russ Brown 3274 South Lake Shore Drive St. Joseph, Michigan 49085

DXing time here has been rather limited in the past month, tropo is finally on the upswing after the long drought starting last Dec. 6-25 tropo SSW w/Memphis-Little Rock strong in the 500-600 mi. range, KMPL 97.7 Sikeston MO w/c&w @2345 "FM 97", WTAO 104.9 Marphysboro IL prog. rock all evening. 6-27 Es WDUV 103.3 Bradenton FL \$nx @1759, 1945 WGLF 104.1 Tallahassee FL wx, jingle &\$MOR, WYFI 99.7 Norfolk VA gospel @1900, WVEC 101.3 Hampton VA \$MOR @1905, WGH-FM 97.3 Newport News \$MOR @1915, WTAR 95.7 @1930. 6-29 Es Bermuda f/1700-1945, WJLK 94.3 Asbury Park NJ @1724 w/race results, 1729 WOBM 92.7 Tom's River NJ local spot...to be continued next time. 73.



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Roger H. Brown
1617 Linden
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August 1973

Next Deadline: August 12, 1973

FOR TELEVISION DXERS IN WI, IL, IN, MI, and OH. SUPPORT YOUR COLUMN AND YOUR CLUB

This will be a short column because of deadline restrictions in Chicago...next month should reflect a couple of good tropo openings which will be partially detailed this month. My apologies to topDxer Bill Draeb for not including his report last month. I've been up against a number of professional and personal deadlines for the last few months. I can't promise that things will improve, but will try to keep the column cooking.

E-skip activity has really dropped off since late June. The first report this month reflects again the very active Es in late May and early June. Tropo...quite dormant here until this past week...will surface in the second report. Again...I hope a number of you write in the next month or two so we can pin-point activity during late June and early July. Report # 1 follows.....

Bill Draeb, Ellis St., RR#2, Kewaunee, WI 54216 (CDT)

- 5-13 Tr 1717 KDNL-30 St. Louis (432)
5-14 Tr 2009 KDNL-30 St. Louis (432)
5-15 Tr 1847 More KDNL-30, for heavens sake
5-16 Tr 2100 KDNL-30; 2127 WUAB-43 Lorain
5-17 Tr 1700 WBGU-57 Lima, OH (292), and
hereby referred to as WBGU, not WQOL
1810 WHMB-40 Indianapolis (336)
1948 KDNL-30 (good grief) St. Louis
5-20 Tr 0904 WIIJ-38 Terre Haute, IN (348)
1116 WKYT-27 Lexington, KY (473)
1815 KDNL-30 (still 432 long miles)
2035 WUAB-43; WKBF-61 Cleveland (355)
5-21 Tr 1943 WOSU-34 Columbus, OH (395)
2000 WOET-16, WKEF-22 Dayton (368)
2030 WUAB-43, WKBF-61 Cleveland
2152 KDNL-30; 2156 WKYT-27 (473)
5-22 Tr 1900 WKYT-27; 1915 WVIZ-25 Cleveland
WUAB-43, WKBF-61, WICS-20 Spring-
field (325); 2018 WOET-16, WKEF-22
IS 2006 tent. KDNL-30
5-23 Tr 1610 WVIZ-25, WUAB-43, WKBF-61,
WBGU-57; 1623 KDNL-30 (432)
Es 2125 WCBD-2 Charleston, SC (915)
WCIV-4 Charleston, SC (915)
WCSC-5 Same as Above!
2129 WBTB-3 Charlotte, NC (736)
plus unids on 2 and 5
5-24 Tr 1728 WKYT-27 Lexington (473)
1935 WVIZ-25, WUAB-43, WKBF-61
Es Unids on 2 to 5 at 2020
5-25 Es 1600 CJCB-4 Sydney, NS (1350)
CBHT-3 Halifax, NS (1170)
CHSJ-4 St. John, NB (1085)
CKCW-2 Moncton, NB (1117)
1628 CJCH-5 Halifax, NS
CJCB-TV-1 (6) Inverness, NS (1300)
1706 CJBR-3 Rimouski, PQ (951)
1806 CBIT-5 Sydney, NS (1350,-offset)
CHSJ-TV-1 Bon Accord, NB (1085)
plus tent. WLBZ-2 and WABI-5 Bangor
5-26 Es eve unid +2 to south
5-27 Es 1045 WBZ-4 Boston, MA (840), WTIC-3
Hartford, CT (701),
1130 WCAX-3 Burlington, VT (703)
1711 WNBC-4 New York City (740)
- 5-27 Es 1711 KYW-3 Philadelphia, PA (701)
WNEW-5 New York City (740)
WCBS-2 New York City (740)
1900 KATC-3 Lafayette, LA (1025)
plus tent. WKTV-2, WSYR-3, WHEN-5
5-28 Es 1605 KACB-3 San Angelo, TX (1185)
1612 KMID-2 Midland, TX (1120)
1615 KFDX-3 Wichita Falls, TX (960)
KUAX-6 Wichita Falls
1650 KID-3 Idaho Falls, ID (1245)
1708 KWAB-4 Big Spring, TX (1135)
1810 WKY-4 Oklahoma City, OK (820)
1830 KOCO-5 Oklahoma City
1857 WEAR-3 Pensacola, FL (1020)
plus tent. WOAI-4, KENS-5, KDFW-4
WBAP-5
5-29 Es 1130 WESH-2 Daytona Beach (1130)
WOAI-4 San Antonio, TX (1213)
KENS-5 San Antonio
1157 WEDU-3 Tampa, FL (1192)
WJXT-4 Jacksonville (1039)
Tr 1843 KDNL-30, WUAB-43, WVIZ-25,
WKBF-61, WKYT-27
1900 WIPB-49 Muncie, IN (300)
WHMB-40 Indianapolis
1910 WKON-52 Owenton, KY (437)
1914 WOET-16, WKEF-22, WKLE-46 Lex-
ington; 1921 WLKY-32 (437)
1931 tent. WKMA-35 Madisonville
5-30 Es 1724 KPRC-2 Houston (IL) plus tent.
KATC-3, KBTX-3, WOAI-4, KENS-5
Tr 2030 WHMB-30, WDRB-41 Louisville-
WLKY-32; 2315 WIIJ-38, WKYT-27
WUAB-43, WXIX-19 Cincy (400)
5-30 Es 1130 KCPX-4 Salt Lake City (1264)
2130 WEDU-3 Tampa, FL. plus tent.
WBRZ-2, KJAC-4, WOAI-4, WTHS-2
WTVJ-4, WESH-2
6-1 Tr 1702 WOET-16, WKYT-27; 1755 WKEF-22
1945 WBGU-57, WHMB-40, WVIZ-25
2202 WUAB-43, WKBF-61, WAKR-23 (380)
6-2 Es 1404 KPRC-2 plus tent KBTX-3, WOAI-4
KENS-5 and educ. ch. 2
Tr 1900 WVIZ-25, WUAB-43, WKBF-61,
WAKR-23, WKEF-22, WFMJ-21, WKBN

Draeb (cont.)

- 6-2 Tr 2115 WKYT-27; 2127 WOET-16
 6-3 Es 1014 WTVJ-4 Miami, FL (1368)
 WEDU-3 Tampa, FL (1192)
 1120 WESH-2 Daytona Beach (1130)
 1236 WCIX-6 Miami, FL (1368)
 plus tent. WTHS-2, WJXT-4, WDBO-6,
 WLBT-3, WMAB-2, KATC-3
 1930 KPRC-2 Houston
 Tr 2115 WLKY-32; 2118 WKYT-27; 2122
 WOET-16, WKEF-22
- 6-4 Es 1130 KPRC-2, KATC-3
 1139 WBRZ-2; 1300 KACB-3
 1400 KIII-3 Corpus Christi, TX
 1600 WDIQ-2 Dozier, AL (925)
 plus many unids.
 Tr 1838 WKYT-27, WHMB-40; 1856 WOET-16,
 WKEF-22; 1902 WUAB-43
- 6-5 Es 1728 WBRZ-2, KATC-3, WKAC-4 (1080)
 KRIS-6 Corpus Christi, TX (1285)
 1748 KRGV-5 Weslaco (1425), WOAI-4,
 KIII-3; 1821 KPRC-2; 1900 WEDU-3,
 WCIX-6, and many unids from TX to FL.
- 6-6 Es 0915 WKAC-2; 1100 KRIS-6, WOAI-4,
 1201 KRGV-5, KFDX-3, KPRC-2
 1230 KDFW-4, KACB-3; 1300 KOB-4 (1200)
 1400 KOA-4, KWGN-2 Denver (952)
 1715 CKCK-2 Regina, Sask (908),
 CBKMT-4 Moose Jaw, Sask (940)
 1757 CKCK-TV-2 Willow Bunch, Sask (925)
 1759 KYUS-3 Miles City, MT (897)
 1905 CJFB-5 Swift Current, Sask (1036)
 2055 WEDU-3, Tampa, FL
 Tr 2055 WOET-26, WKEF-22, WKYT-27
- 6-6 Es 2200 CKRD-6 Red Deer, Alta (1318)
 2207 CFQC-TV-1 (3) Straenraer, SK
 CFAC-2, CFCN-4 Calgary, Alta
 2305 KRTV-5 Great Falls, Mt. (1159)
- 6-7 Es 1030 KXLY-4 Spokane, WA (1450)
 1130 KCPX-4 Salt Lake City (1264)
 1155 KOA-4 Denver; KTVS-3 Sterling
 KWGN-2, KDUH-4 at 1220
 1256 KOTA-3 Rapid City, SD (776)
 KTWO-2. KOAA-5
- 6-8 Es 1055 WTVJ-4 Miami, FL
 1828 WBRZ-2, WLBT-3 plus tent. WWL-
 2000 KTBS-3 Shreveport (910)
 2047 KXLF-4 Butte, MT (1219)
 KID-3 plus tent. KREM-2, KXLY-
 KOA-4, KWGN-2, KTVS-3

On June 6th, there were as many unids as I
 from Texas to Alberta. At one point during
 the evening, I had the Expos and Braves on
 all five low band channels at the same time
 (making IDs very difficult). Had 17
 days of Es through June 8. Can't remember
 the last time that happened. Log in Kewau
 now stands at 507! (Congratulations on 500
 plus stations Bill. Cooper is still chasing
 you...but I wouldn't look back! The many
 additional stations is really amazing, with
 your high total!)

Roger H. Brown, 1617 Linden, E. Lansing, MI 48823 (EDT)

- 5-14 Es 1915 KPRC-2 Houston plus unids on
 2-4. A1 E Tex. First Es of year here.
- 5-23 Es 1630 WCBI-4 Columbus, MS
 1658 KJAC-4 Port Arthur, TX
 1700 KIII-3 and KETS-2(1/2 way to
 KIII-3)
 1800 KDFW-4; 1830 KPRC-2; 1900 WOAI-4
 and KENS-5 San Antonio
 1955 KWAB-4 Big Spring and KMID-2. At
 1915, Es to 107.5, central TX.
- 5-25 Es 1700 CJSJ-4 Sydney plus unids on 2-5
 1743 Unid FF on 2, tent. CBFT-2
 2000 FF on 2, 3 and 4, tent CFCM-4,
 CJBR-3, CFCM-4
- 5-26 Es 1200 Unid 2
- 5-27 Es from Indianapolis QTH, 1300 WCAx-3,
 WLBZ-2, WTIC-3
- 5-29 Es 1250-1320 WESH-2, WTHS-2, WSAV-3,
 WTVJ-4
 Tr 1225 WNEO-45 Alliance, OH (190)
 1230 WIIIL-38 Terre Haute, IN (260)
- 6-5 Es 1745 Unids on 2-5, intense opening
 1755 WTVY-4 Dothan, AL (finally)
 1800 KGBT-4, KPRC-2, etc.
 2030 KENS-5 plus heavy CCI on very local 6
- 6-5 Es in until 2345 EDT. To at least
 103.7 on FM
- 6-6 Es 1330 KOAA-5 Pueblo, CO
 1400 KOA-4, KWGN-2, others
 1430 KTWO-2 Casper, WY, etc
 in all afternoon. No time to DX
 after 1600. Many Canadians in.
 2210 KUSD-2 Vermillion, SD
 Es in until after midnight EDT
- 6-7 Tr 0815 WICS-20 (340), WLKY-32 (320)
- 6-8 Tr 0815, WBRZ-20, WAND-17 (300),
 KDNL-30 (410), WMBD-31, WRAU-19 (300)
- 6-9 Tr 0045 KDNL-30, many others
- 6-11 Es 0023 KRMA-6 Denver (after local
 s/off)
 0027 KHPL-6 Hayes Center, NE
- 6-13 Es 1810 WTVJ-4 plus unids 2-5
- 6-14 weak Es...through 6-19
- 6-19 Tr 2210 WNPB-13 Marquette, MI (330)
- 6-25 Es 2000 WBRZ-2 Baton Rouge, LA
- 6-26 Es 0015 KTVQ-2 Billings, MT
 0040 KDIX-2 Dickinson, ND
 0110 KOA-4 KWGN-2 Denver
 0125 KTVS-3 Sterling
 Es in until about 0145

Brown, Cont.

6-30 Es 1700 WGBH-2 Boston...later to Canada and NE
 7-2 Tr 0130 WKRC-12, WREX-13, WLWT-5 plus tent. WHO-13 and WHNT-13
 0155 CBLT-5 Toronto, Ont s/off
 FB CB pattern w/ time signals lower right
 0900 WHIZ-18, WKLEX-18 (310)
 1000 WKYT-27, WXIX-19 (260)
 7-3 Tr 0930-2300 UHF to 340 miles
 7-4 Tr 0130 CBLFT-25 Toronto (same CB pat as CBLT-5) (260)
 0205 CHEX-12 Peterborough, Ont (340)
 w/ s/off after movie. Snowfree
 0225 CKVR-3 Barrie, Ont (w/ all night movie. ID supered at 0325.
 7-6 Tr WICS-20, WIIL-38, KDNL-30, many closer
 7-7 Tr 0030 WICS-20, WLEX-18, WXIX-25, WIIL-38, WKPT-19 (420)
 0830 phone call from Bob Cooper who is watching my locals! I note some activity SW but am clobbered by WKAR-23.

7-7 Tr 2230 WNED-17 Buffalo (290) and another call from Cooper, who is watching WGTU-29 on blasted 200 foot tower with 7 foot dish.
 2245 WXXI-21 (340), WNPE-16 (420)
 CICA-19, CBLFT-25 (through 4 MegWatt WEYI-25!)
 2330 WSYE-18, WENY-36 Elmira (390)
 7-8 Tr 0005 WUTR-20 Utica (420, WDAU-22, WBRE-Scranton (460)
 0015 WBJA-34, WICZ-40 Binghamton
 0028 KDUB-40, WMBD-31, WRAU-19
 0145 CKWS-11 Kingston, Ont (420)
 0155 WROC-8 Rochester (340)
 0200 WOKR-13 Rochester (340)
 0225 CJOH-TV-1 (6) Deseronto (395)
 0240 CFTM-10 Montreal, PQ (580)
 WTAJ-10 Altoona (340)
 0830 WDAU-22, WBRE-28, WICZ-40
 0930 WCDC-19 Adams, MA (590)
 1110 WHYN-40 Springfield, MA (615)
 1125 WSMW-27 Worcester, MA (695)

Much Es for awhile, then dead. Much tropo to Canada. I'm learning Canadian anthem very quickly. Wife is positive of my insanity...I break into "Oh Canada" during dinner, etc. On 7-8, tropo was very weak...very narrow duct apparently. No signals were very good. Had WHYN-40 in and out through WICZ-40 TP, with ABC programming. WSMW-27 had lovely ad for records with local ID. DXers should thank "K-Tel" and other cheapo record outfits for occasional IDs! Thanks all for now. Peace. 73. Rog.

Morrie S. Goldman, 5815 North Christiana Ave., Chicago, IL 60659 (CDT)

6-4 Es 1230 KATC-3 Lafayette, LA 4555R
 1500 WEDU-3 Tampa, FL
 6-5 Es 1630 WEDU-3 + unid SS 3,4 SW
 1700 WOAI-4 San Antonio 4444R
 1830 Left for Reserve meeting.
 6-6 Es 1030 KARD-3 Wichita, KS T
 1230 KDFW-4 Dallas, TX
 KACB-3 San Angelo, TX
 KPRC-2 Houston, TX T
 1300 KOA-4 Denver, CO
 1730 CBKMT-4 Moose Jaw, Sask 4543N
 1833 CKOS-3 Yorkton, Sask 4444R
 CHSS-6 Wynard, Sask 3444N
 1842 KXJB-4 Valley City, ND 3443N
 1859 CFQC-1-3 Stranraer, S. 2443N
 2330 - 2345 CBKMT-4, CFQC-1-3.
 6-7 Es 0001 KOTA-3 Rapid City, SD 5433R
 0100 KYUS-3 Mile City, SD 4334R
 w/s-off
 0130 Es still strong on 2 NW
 2000 KOTA-3 decided to return!

6-10 Es KOTA-3 fighting with KID-3. Either two unrelated clouds, or could KID have been a short double hop?@2300hrs.
 2317 KTVS-3 Sterling, CO
 KRMA-6 Denver, CO T
 2328 KOB-4 Albuquerque, NM T
 7-3 Tr 2108 WJMY-20 Detroit, MI 4554N
 + all Det. U's
 WUCM-19, WGVC-35+Cleveland U's
 2218 WJAN-17 Canton, OH 4444N
 2245 Tropo almost gone.
 7-9 Tr 0818 WLIO-35 Lima, O. + Ft. Wayne's, Youngstown
 7-10 Es 0805 - 0830 CHJS-4 St. John, NB.
 First IHTP... s/on at 0830. Es gone by 0900
 0858 CJBR-3 Rimouski, PQ T

I'm long overdue in reporting and still not much to report! Es vanished here for about one month. Will miss DXing from 7-13 to 8-6.

EASTERN TV DX

Dave Pomeroy
KTWU-Channel 11
Signal Hill
Topeka, Kansas 66604

I won't try to analyze DX sent in this month since there is so much and I won't be able to begin to get all of it typed because of various reasons. If you have sent in a report and don't see it published, wait until next month.

Paul D. Traska		64 Weaver Street		Buffalo, New York 14206		(EST)			
3-13	Tr 1430	WETK-33	Burlington, VT	2323N	6-3	Tr 0300	WABC-7	New York, NY	3322R
3-20	1930	CBFLT-25	Toronto, Ont	3354N	Es	0240	WESH-2	Daytona Beach, FL	3333N
3-24	1930	WBGU-57	Bowling Green, OH	3343N	6-4	Tr 1410	WQED-13	Pittsburgh, PA	3333R
	1930	WIPB-49	Muncie, IN	3343N	6-6	Es	1730	KHPL-6	Hayes Center, NE
3-25	0130	WTAE-4	Pittsburgh, PA	3333R	6-7	1800	KWGN-2	Denver, CO	3433N
	0157	CFCE-12	Montreal, Quebec	3333R	6-11	1300	WKRG-5	Mobile, AL	3333N
3-27	0136	CBQFT-9	Ottawa, Ontario	3221R	6-13	1500	WCIX-6	Miami, FL	4433N
	0145	CJOH-13	Ottawa, Ontario	3332R		1500	CMJL-6	Camaguey, Cuba	2222N
4-6	1300	WDAU-22	Scranton, PA	2322R		1500	CMQ-5	Havana, Cuba	2222R
4-8	1700	WYTV-33	Youngstown, OH	3344R		1510	CMHQ-5	Santa Clara, Cuba	2222N
	1700	WAKR-23	Akron, OH	3433R		1510	WEDU-3	Tampa, FL	2222R
	1700	WFMJ-21	Youngstown, OH	3433R		1830	WDBO-6	Orlando, FL	2222R
	1703	WPTA-21	Ft. Wayne, IN	2211R		1830	WPTV-5	W. Palm Beach, FL	3333N
5-31	1300	WJAN-17	Canton, OH	3333R		1900	WUFT-5	Gainesville, FL	2322N
	1300	WNEO-45	Alliance, OH	3333N	6-14	Tr	1900	WBGU-57	Bowling Green, OH
6-3	2430	WNPE-16	Watertown, NY	3343R		2200	WKJG-33	Ft. Wayne, IN	3333R
	2430	WUTR-20	Utica, NY	3354R		2200	WPTA-21	Ft. Wayne, IN	3333R
	0145	WKTU-2	Utica, NY	3333R		2200	WANE-15	Ft. Wayne, IN	3333R
	0145	WCAU-10	Philadelphia, PA	4433R		2205	WDHO-24	Toledo, OH	3333R
	0150	WKYC-3	Cleveland, OH	3333R					

Fred Nordquist		302 Sandra Lane		N. Syracuse, New York, 13212		(EDT)				
9-20	Tr 0020	WJIM-6	Lansing, MI	R0425	12-29	Es	1759	KETS-2	Little Rock	R1040
10-17	Es 1930	KTCA-2	St. Paul, MN	N0850	5-23	2103	KETS-2	Little Rock	R1040	
11-20	1510	KDUH-4	Hay Springs, NE	N1325		2300	KARK-4	Little Rock	R1040	
11-26	1610	KQTV-2	St. Joseph, MO	R0975		2305	KTEW-2	Tulsa, OK	R1150	
12-19	1800	KQTV-2	St. Joseph, MO	R0975	5-25	1944	WCCO-4	Minneapolis, MN	R0850	
	1900	KTIV-4	Sioux City, IA	R1020		1945	KTCA-2	St. Paul, MN	R0850	
	1902	WMT-2	Cedar Rapids, IA	R0785	6-6	1822	KHPL-6	Hayes Center, NE	R1280	
	1930	WCCO-4	Minneapolis, MN	R0850		2330	KOA-4	Denver, CO	R1490	

Tom Yingling, Jr.		221 Pinewood Road		Dundalk, Maryland 21222		(EST/EDT)				
1-13	Es 1900	WKY-4	Oklahoma City	R3333	5-23	Es	1900	WEDU-3	Tampa, FL	R4444
2-8	2030	KTBS-3	Shreveport, LA	N3333		2100	KTIV-4	Sioux City, IA	R4444	
	2045	KTAL-6	Shreveport, LA	R3333		2120	KORN-5	Mitchell, SD	R3333	
3-29	Tr 0100	WBRE-28	Wilkes-Barre, PA	R4444		2130	WTOM-4	Cheyboygan, MI	N4444	
	0115	WNYC-31	New York, NY	R3333	5-24	Tr	2300	WTAF-29	Philadelphia	R5555
	0130	WSBK-38	Boston, MA	N3333		2300	WKBS-48	Philadelphia	R5555	
	0200	WCBB-10	Augusta, ME (510)	N4444		2300	WBOC-16	Salisbury, MD	R5555	
	0300	WCBS-2	New York, NY	R3333	5-25	Es	1750	CBWFT-3	Winnipeg, Man	R3333
5-23	Es 1745	WOW-6	Omaha, NE	R4444		1800	CBWT-6	Winnipeg, Man	R5555	
	1800	KMTV-3	Omaha, NE (1100)	N4444		1830	CBWT-2	4 Lac-du-Bonnet, Man N		
	1830	WCIX-6	Miami, FL	R4444		1900	WDAY-6	Fargo, ND	N4444	
	1830	WTVJ-4	Miami, FL	R4444		1915	CKX-5	Brandon, Man	R4444	
	1845	CMQ-6	Havana, Cuba	R3333						

"I would like to welcome Don Blevins-WTFDA."

Richard Peary		216 Acadia Circle		Fairfield, Alabama 35064		(EST)			
5-24	Es 1830	KLNE-3	Lexington, NE		6-5	Es	1630	RFDX-3	Wichita Falls, TX
	1930	KTVS-3	Sterling, CO			1700	KVOA-4	Tucson, AZ	
	1950	KOA-4	Denver, CO			1830	K111-3	Corpus Christi, TX	
	1945	KDUH-4	Hay Spring, NE			1900	XEW-2	Mexico City, DF	
	2000	KNOP-2	N. Platte, NE			1901	KMID-2	Midland, TX	
	2030	KOTA-3	Rapid City, SD		6-11	1400	CBOT-4	Ottawa, Ontario	
6-2	1300	KCKT-2	Great Bend, KS			1401	CBFT-2	Montreal, Quebec	
	1330	KWGN-2	Denver, CO			1430	WSYR-3	Syracuse, NY	
	2030	WTIC-3	Hartford, CT		6-12	1300	KOTA-3	Rapid City, SD	
6-3	1930	KGBT-4	Harlingen, TX			1330	KWGN-2	Denver, CO	
	1400	KMID-2	Midland, TX			1930	WUND-2	Columbia, NC	

Larry T. Vogt 8213 Springfield Village Road Springfield, Virginia 22152 (EDT)
 5-23 Es 1859 WPBT-2 Miami, FL 3343R0910 5-27 Es 1800 WMT-2 Cedar Rapids, IA R0780
 2159 KGL0-3 Mason City 2222R0870 5-28 1646 WKAQ-2 San Juan, PR 2232N1600
 2259 KMTV-3 Omaha, NE 3323R1000 1959 WBRZ-2 Baton Rouge, LA 2233R0970
 2300 KQTV-2 St. Joseph, MO 2232R0940 2000 KATC-3 Lafayette, LA 3333R1020
 5-27 1750 KETS-2 Little Rock 4434R0870 Present Log: 100 VHF and 62 UHF

Bill Thompson 1907 Seneca St. Buffalo, New York 14210 (EDT)

"As a new member thfs is my first report. I've been DX'ing TV since 1967. Equipment includes a 1966 RCA color set; 13-element Winegard VHF-UHF antenna; Alliance U-100 rotor; and a 1972 RCA B-W set. Also included are an Archer V-75 and an Archer 44-element UHF antenna. An Archer CTR-9 cassette records audio ID's." (Nice to get your report. dp)

4-25 Tr 0400 CKCO-1-2 Lion's Head, Ontario Also numerous Tr for the following:
 5-16 0558 WXYZ-7 Detroit, MI 3345R0220 CBLFT-25 CICA-19 Toronto, Ontario
 5-23 2251 KTBS-3 Shreveport 1211N1050 WJET-24 WSEE-35 WQLN-54 Erie, Pennsylvania
 5-29 1359 KARD-3 Wichita, KS 1412N1010 CFPL-10 London, Ont. WXX1=21

David J. Egan 12A Andrew Valleyfield, Quebec J6S 3B2 (EDT)

5-3 Tr 2200 WHMT-17 Schenectady, NY N0170 5-25 Es 1653 WJXT-4 Jacksonville, FL R1100
 5-4 Ms 0715 WBAY-2 Green Bay, WI R0680 1831 KHTL-4 Superior, NE R1300
 5-10 Tr 0928 WCDC-19 Adams, MA R0180 1930 WHBF-4 Rock Island, IL R0875
 5-14 Au 0555 UNID-2 to 6 2138 KTVI-4 Sioux City, IA R1105
 5-23 Es 1415 WEDU-3 Tampa, FL R1270 1903 KHAS-5 Hastings, NE R1300
 1533 KYTV-3 Springfield, MO R1135 2136 WOI-5 Ames, IA R1015
 1900 KMTV-3 Omaha, NE R1125 1932 WOW-6 Omaha, NE R1125
 2127 WLBT-3 Jackson, MS R1255 5-27 1123 WSIL-3 Harrisburg, IL R0930
 2300 KTBS-3 Shreveport, LA R1390 1202 WCIA-3 Champaign, IL R0795
 1800 WTVJ-4 Miami, FL R1370 1230 KGL0-3 Mason City, IA R0970
 1830 WJXT-4 Jacksonville, FL R1100 1132 KMOX-4 St. Louis, MO R0945
 2304 KARK-4 Little Rock, AK R1200 1229 KTVI-4 Sioux City, IA R1105
 1928 WOI-5 Ames, IA N1015 Tr 1532 WXXI-21 Rochester, NY R0225
 1395 KALB-5 Alexandria, LA Es 1845 WAVE-3 Louisville, KY N0760
 1845 KQTV-2 St. Joseph, MO N1125 1758 WFBC-4 Greenville, SC R0845
 1921 WBBM-2 Chicago, IL R0705 5-28 1759 KYTV-3 Springfield, MO R1135
 2030 KUSD-2 Vermillion, SD N1225 2028 WEDU-3 Tampa, FL R1270
 2047 WMT-2 Cedar Rapids, IA R0900 2100 WRBL-3 Columbus, GA R1110
 1651 WEDU-3 Tampa, FL R1270 1912 WCRB-4 Columbus, MS R1100
 1725 WRBL-3 Columbus, GA R1135 2007 WUNC-4 Chapel Hill, NC R0700
 1907 KMTV-3 Omaha, NE R1125 2100 WTVY-4 Dothan, AL R1155
 1915 KTV0-3 Ottumwa, IA R0965 1917 KCMO-5 Kansas City, MO R1115
 2131 KGL0-3 Mason City, IA R0970 5-29 1500 WEAR-3 Pensacola, FL R1250
 "A total of 32 different stations ID'ed between 5-23 and 5-29. ... Total now 172; confirmed 149."

James F. Armington Rt. 2 Box 32 Dothan, Alabama (CDT)

5-11 Tr 2030 WLCY-10 St. Pete, FL 3321R0300 6-2 Ms 0710 KQTV-2 St. Joseph, MO 55XXR0770
 2155 WKRG-5 Mobile, AL 5554R0170 Es 1309 WJMN-3 Escanaba, MI 5433N1000
 2158 WAFB-9 Baton Rouge 2423R0350 1400 WJBK-2 Detroit, MI 4433R0780
 2159 KHMA-11 Houma, LA 3422R0350 1445 KWGN-2 Denver, CO 5543R1240
 2200 WL0X-13 Biloxi, MS 3432R0220 2000 WGR-2 Buffalo, NY 5432N0880
 2200 WYDS-12 New Orleans 3333R0300 6-3 0035 WCB5-2 New York, NY 3033R0890
 2220 WFLA-8 Tampa, FL 3433R0300 Tr 0045 WVUE-8 New Orleans, LA 5555R0300
 2250 WINK-11 Ft. Myers, FL 2323R0400 Es 1220 KFDD-3 Wichita Falls 5422N0790
 2255 WVUE-8 New Orleans 3433R0300 1245 KMID-2 Midland, TX 5422R1000
 2300 WDSU-6 New Orleans 4333R0300 1330 KAUZ-6 Wichita Falls 5323N0790
 2310 WBRZ-2 Baton Rouge 2323R0350 1400 KAVE-6 Carlsbad, NM 5544N1120
 5-12 0130 WWL-4 New Orleans 3444R0300 1530 KTXI-5 Lubbock, TX 5432N0990
 0132 KRGV-5 Weslaco, TX 1333R0840 1550 KCKT-2 Great Bend, KS 5532R0920
 0140 KTRK-13 Houston, TX 2333R0610 1558 KTVG-6 Ensign, KS 4532N0970
 0205 KHOU-11 Houston, TX 3423R0610 6-4 1159 KCKT-2 Great Bend, KS 4532R0920
 0210 KALB-5 Alexandria, LA 2333R0425 1210 KARD-3 Wichita, KS 5033N0810
 1829 WC1Q-7 Cheate, AL 4442R0160 1225 KDLO-3 Watertown, SD 5433N1117
 1851 WTK0-11 Meridian, MS 3444R0210 1230 KGL0-3 Mason City, IA 4432R0912
 2134 WBMG-42 Birmingham, AL 2344N0180 1232 KMTV-3 Omaha, NE 0532R0900
 2220 WSRE-23 Pensacola, FL 2344N0130 1300 KQTV-2 St. Joseph, MO 5432R0770
 2300 WTVW-9 Tupelo, MS 3444R0290 1330 WOI-5 Ames, IA 5432R0855
 2306 WAPT-16 Jackson, MS 2444N0300 (Remainder of Armington's report in next VUD)

WESTERN TV DX

Dennis Park Smith
450 Poplar Avenue
Wasco, CA 93280
Telephone 805 758-2832
Deadlines: 5 Aug, 5 Sept

August 1973

There was only slight amounts of tropo along the Gulf, in late June, but nothing special. Les Prus in Kansas caught Nashville by tropo on 25 June morning, however. Es was quite fine all month, with MUF into FM many days, and into VHF TV high band early in June (see July-column reports).

Es dates Jun	1	2	3	4	5	6	7
# reporters	3	1	4	4	4	2	1
MUF at least	5	5	107.9	7?	7	9	6

8	9	10	11	12	13	15	16	17	18	19	20	21	22	24	25	26	27	28	29	30
2	1	4	4	2	2	3	2	1	2	3	3	3	1	2	3	1	3	1	1	2
893	3	987	1063	965	107.9	107.1	107.1	3	106.9	4	95.5	4	3	957	108+	5	98.7	3	4	106.9

Frank Aden, Jr., 448 East Olney Avenue, Bend, Oregon 97701 (1-20 June) (PDT)

Equipment: GE 18", Arvin 9", Winegard SC830, preamp & rotor.

1 Es 1830 KHBC-3	Mexicali BGN	5051N	19 Es 1400 KUSD-2	Vermillion SD	5555N
4 Es 1700 KVOA-4	Tucson AZ	5553N	20 Es 1430 KHLL-4	Superior NE	5555N
Es 1705 KTVK	3 Phoenix AZ	4553N	1428 KCKT	2 Great Bend KS	4543N
5 Es 1400 CFRN-3	Edmonton Alta	5553N	1432 KHAS-5	Hastings NE	3335N
1405 CBXT	5 Edmonton Alta	2235N	tr 2130 KGW-8	Portland OR	4442N
1500 KDBC	4 El Paso TX	4553N	2132 KOAP-10	Portland OR	3355N
2100 KTWO-2	Casper WY	5552N	2135 KPTV	12 Portland OR	3353N
2115 KOA-4	Denver CO	5552N	2140 KOAC-7	Corvallis OR	2252N
2120 KTVS	3 Sterling CO	4553N	2145 KVAL-13	Eugene OR	3454N
17 tr 1540 KEZI-9	Eugene OR	5555N	Log totals: Bend 19, Boise 77.		

Extreme cable interference here, but am having considerable luck now with Es and extended ground wave. 73s.

Jim Pizzi, 300 Park, Orcutt, California 93458 (24 Jan-5 Jun) (PST to Apr, PDT May-)

Ja 24 tr 2200 KTVU	2 Oakland CA	3044	4 Es 0830-45XHI-2	(w/slide "XH142 en las Tele-aulas")	5545
30 tr 2300 K10-10	San Luis Obispo CA	4154	1632 KTWO-2	Casper WY	4433
Fe 10 Es 1800 unIds	2,4 Mexico? (fade 2010)		1636 KTVQ	2 Billings MT	4333
Apr 8 Es 2000 KCKT	2 Great Bend KS	4233	1643 KDUH-4	Hay Springs NE	5444
9 tr 2200 KGTV	10 San Diego CA	3444	1644 KYCU	5 Cheyenne WY	4444
Es 2000 unId	2 Mexico?	3233	1700 KUTV	2 Salt Lake City UT	2332
26 Es 2000 unId	2 Mexico?	3233	1859 KILY-2	Spokane WA	2422
May 6 tr 0945 KGSC	36 San Jose CA	3435	1930 KING-5	Seattle WA	4143
15 Es 1900 unIds	2,3,4 east (SSmovie)		1930 KOMO-4	Seattle WA	5545
18 Es 0730 unId	2 east (Watergate)		(1935: FM Es 92.9 WA)		
24 Es 0900 unId	2 (CTV Romper Room)		2000 unId	3 (WC Fields movie)	
25 Es 2200 KMID-2	Midland TX	4433	5 Es 0800 KWAB	4 Big Spring TX	4433
2200 CFAC-	2 Calgary Alta	3433	(0802: FMEs to 0843; MUF 105.3 TX)		
2230 unId	4 (NBC "Brake-O" ad)		0900 KMID-2	Midland TX	3222
2359 KREM-	2 Spokane WA	2222	0900 KOAA-5	Pueblo CO	5244
26 Es 0830 KREM-	2 Spokane WA		0900 KDBC	4 El Paso TX	3333
0930 KMID-	2 Midland TX		0930 KVOA-4	Tucson AZ	4333N
(1251: FMEs to 1345; MUF 105.1 TX)			0943 CBUT	2 Vancouver BC	5545
1301 KENS-	5 San Antonio TX	4444	1904 KTVQ	2 Billings MT	2231
1800 KWAB	4 Big Spring TX	3233	(#@*%# cable leak)		
Jun 3 Es 1100-1300	3 unId (MUF ch 3)		2100 CKSA-	2 Lloydminster Alta	
2000 KMID-	2 Midland TX	4444	2200 CFAC-	2 Calgary Alta	
2000 KWAB	4 Big Spring TX	3133	2232 CFRN-	3 Edmonton Alta	
2000 KTVK	3 Phoenix AZ	4244N	2240-50 CBXT	5 Edmonton Alta	4034N
(2022: FMEs to 2034; MUF 103.7 NM)			2300 KILY-	4 Spokane WA	
2035 KEJ-	5 (serial)		2321 CFGN-	4 Calgary Alta	

Log totals: TV 124, FM 199. DX is pretty good here with 12 new FM and 3 new on the tube. KTVK 3 and KVOA-4 are possibly by backscatter; both were in for a short time. Openings of May 26 and June 3,4,5 were excellent. Best of DX.

Les Prus, 1615 Pierre, Manhattan, Kansas 66502

(10 June - 6 July) (CDT)

10 Es 2222	(n.w., already to ch 6)	25 (tr) 0627	KOLN-10 Lincoln NE
2236	KTVQ 2 Billings MT		KGIN-11 Grand Island NE
2255	KRTV 3 Great Falls MT	0645	KTEW 2 Tulsa OK
2318	KXLF- 4 Butte MT		KETV 7 Omaha NE
2330	KHQ - 6 Spokane WA	0658	KTUL- 8 Tulsa OK
	(Id "Q6 Eyewitness News")	0725	KAYS- 7 HAYS KS
2345	KFBB- 5 Great Falls MT	0735	KOMU- 8 Columbia MO
	KAID 4 Boise ID (PBS)	0745	KPLR-11 St. Louis MO
11 Es 0027	CFAC- 2 Calgary Alta (lclnx)	0755	KDNL-30 St. Louis MO
	KXLF- 4 Butte MT (also 0115, 35)	0818	KOED-11 Tulsa OK
0030	KLEW- 3 Lewiston ID(WA)	Es 1000	(east, chs 2-6)
0105	KRTV 3 Great Falls MT	1100	WPVI 6 Philadelphia PA
0108	KTVQ 2 Billings MT		WTTG 5 Washington DC(lclnx)
0130	KHQ - 6 Spokane WA	1130	WMAR- 2 Baltimore MD ("TV2")
0135	KREM- 2 Spokane WA	1200	WTAR- 3 Norfolk VA
0158	movie-3 (quit 0200)	1215	KSL - 5 Salt Lake City UT
14 MS 0628	unId- 2 (local show)	1218	KENS- 5 San Antonio TX
15 tr 0915	KUCN-12 Lincoln NE (ETV)		KRIS- 6 Corpus Christi TX
	KOLN-10 Lincoln NE	1220	KRGV- 5 Weslaco TX
	KGIN-11 Grand Island NE	1230	KPRC- 2 Houston TX
	KMTV 3 Omaha NE	1252	XEFB- 3 Monterrey NL (cooking)
	WOW - 6 Omaha NE	1305	KUAT 6 Tucson AZ
	KETV 7 Omaha NE		KPHO- 5 Phoenix AZ
	KMNE- 7 Bassett NE (ETV//ch12)	1335	CHIA- 2
	KHTL- 4 Superior NE 100	1415	XHAQ- 5 Mexicali BCN N(photoed)
	KHQL- 8 Albion NE 150		(& still no Calif stns logged!)
0925	KHNE-29 Hastings (ETV//12) N 150?	1810	WFMY- 2 Greensboro NC
Es 1835	(MUF ch 4 at this time)		The tropo this am paralleled coldfront
1851	KMID- 2 Midland TX		from Neb. to Kentucky. NBC Today "Skywarn"
1858	WSJK- 2 Sneedville TN (PBS)		severe wx only for Midwest(OH,IL,MI,IN);
1958	KCKC- 2 Regina Sask (Id"NOW 2")		may explain Es to east but not TX,AZ,Mex.
	(assoc.w/severe wx in OK & AR)	26 tr 0100	KTVV 11 TopekaKS (PBS) 50
16 tr	(Above-average condx into Neb, such		KCPT 19 KSCityMO(" ") 100
	as Omaha, but that was extent of it)		KPTS 8 Hutch.KS(" ") 100
17 tr	(Above-av.condx to MO; nothing special)		KETC 9 St.Louis(" ") 350
1015	KUHI-16 Joplin MO(wk) 2 N 200		(weak after KMBC-9 s/off)
1020	KCBJ 17 Columbia MO 3 N 200		(Long Deant testimony; ran late;
1025	KDNL-30 St.Louis MO 2 N 350		rare logging not usually possible)
1028	KBMA-41 KansasCity MO 4335	0130	KMOX- 4 St. Louis MO 350
19 Es 1330	WCIV 4 Charleston SC	0830	KDNL-30 St. Louis MO 350
21 Es 1824	WKTV 2 Utica NY	27 Es 1809	WTTG 5 Washington DC
1830	WSYR- 3 Syracuse NY		1828 WRC - 4 Washington DC
1835	unId 2		1845 WTAR- 3 Norfolk VA (MUF ch 5)
25 tr 0400	(Woke, couldnt sleep; insom.orESP?)		1900 WUND- 2 Columbia NC
	(Many below w/ TPs)		WUNC- 4 Chapel Hill NC
0420	KMOX- 4 St.LouisMO (s/off04,51)	3 Es 1630	WGR - 2 Buffalo NY
0425	WSM - 4 Nashville TN(3CB) T		CBOT 4 Ottawa Ont (MUF ch5)
0440	WLAC- 5 Nashville TN N	1645	WWJ - 4 DetroitMI(short skip)
0520	KARD- 3 Wichita KS	1700	ERCOL-2 Georgian Bay Ont
	KTVH 12 Hutchinson KS	5 tr 0002	KCBJ 17 Columbia MO
0528	KCMO- 5 Kansas City MO	0004	KMTC 27 Springfield MO
0545	WREC- 3 Memphis TN	0015	KETV 7 Omaha NE
0549	WOW - 6 Omaha NE		KMTV 3 Omaha NE
0558	KWTV 9 Oklahoma City OK		KTEW 2 Tulsa OK
0600	KMBC- 9 Kansas City MO	0020	KMOS- 6 Sedalia MO (s/off)
0610	WDAF- 4 Kansas City MO	0032	WOW - 6 Omaha NE
	KYTV 3 Springfield MO	6 tr 0200	KETV 7 Omaha NE
0615	KTHV 11 Little Rock AR(newstate)		Future plans: replacement of chimney
0620	KODE-12 Joplin MO		mount with roof peak-mount tilt-over for
0625	KCKT 2 Great Bend KS		easy maintenance and cracking chimney. '73.

(24)Es	1720 WEDU 3 FL T 975	(26)Es	2217 KID - 3 ID 1220	(29)Es	1425 unIds 2-4 (Mex, etc)
	1903 WBAY- 2 WI 1190		2230 f/out		1510 WEDU 3 FL T 975
	unIds 2-6 (MUF 95.7)		tr 2255 KHTV 39 TX T 185		1628 KDIX- 2 ND 1225
	1957 KUSD- 2 SD 930	27	Es 0757 WESH- 2 FL 1065	tr	1950 KVRL 26 TX 185
	2000 KLNE- 3 NE T 760		tr 0757 KVRL 26 TX T 185	30	tr 0835 KMLD- 2 TX 280
	2029 KOTA- 3 SD 1050		Es08-14 unIds 2-6	0845	tr 0835 KBD-11 TX 350
	2130 KUTV 2 UT 1080		(MUF 98.7 @ 1317)		KLBK-13 TX 350
	2203 KTWO- 2 WY 1015		(All the networks! //		KSEL-28 TX 350
	2225 KID - 3 ID 1220		Watergate & unreliable	0932	KBIM-10 NM 440
	2325 KWGN 2 CO 800		ID times made a mess!	Es 0935	KNXT 2 CA 1190
	2335 KDIX-2ND 1225	Es	1058 KID - 3 ID 1220		unIds 2-6
25	Es 0729 WPBT 2 FL 1150		1059 WDCN- 2 TN 820		(MUF 89.7 @ 1100)
	0743 WBAY- 2 WI 1190		(w/ ant nw still)	1158	KORK- 3 NV 1070
	0757 CBWFT 3 Man 1370		1105 KTVQ 2 MT 1255	1325	WCBD- 2 SC 1115
	0900 unIds 2-6 (MUF		1129 KUTV 2 UT 1080	1359	WWAY- 3 NC 1240
	over 108; FMintol500)		1131 KTWO- 2 WY 1015		KUSD- 2 SD 930
	2012 KTWO- 2 WY 1015		1302 KNXT 2 CA 1190	1425	WBVT- 3 NC 1110
	2044 KMTV 3 NE 830		1315 KNBC 4 CA T1190	1459	WSAZ- 3 NV 1100
	2105 KDIX- 2 ND 1255		XETV 6 BCN T1120		WDCN- 2 TN 820
	2225 KOTA- 3 SD 1050		1710 WTWO 2 IN 940	1530	WLW-D 2 OH 1080
	2305 KOA - 4 CO T 800		-tol930unIds 2-6(MUF88.5)		(50-MHz 2Es MA,NH)
	KWGN 2 CO T 800		1759 WTAR- 3 VA N1360	1547	WAVE- 3 KY 930
	2240 unIds 2-5		WPMY- 2 NC 1175	1600	WTWO 2 IN 940
	(2305: local Ch, t/off)	28	Es 0925 unId 2 east	1628	WRTV 6 IN N 975
	2310 KCPX- 4 UT N1080		1340 unId 2 west		KTVI 2 MO 790
	2330 KUTV 2 UT 1080		1840 unIds 2,3 north		unIds 2-6(MUF 106.9)
26	MS?0029 KUSD- 2 SD 930	tr	2115 KOSA- 7 TX 270	1700	WBMM- 2 IL 1030
	Es 0030 KTVQ 2 MT 1255		2117 KMLD- 2 TX 280	1719	WCIA 3 IL 925
	0730-1050 2-5unIdsspotty		2125 KVRL 26 TX 185	1725	KYTV 3 MO 620
	1005 KTWO- 2 WY 1015		KHTV 39 TX T 185	1810	f/out
	1940 KUSD- 2 SD T 930	29	tr 0700 KLNI-15 LA 400	1959	KTCG- 2 MN 1110
	unIds 2-5		KPLC- 7 LA 325		unIds 2-4
	2000 KTWO- 2 WY 1015		0720 KVTV 13 (tp)N 145	2035	KOAI 2 AZ 850
	2030 KDIX- 2 ND 1220		Laredo TX		KTVK 3 AZ T 840
	(Twins BB)		0730 WRBT 33 LA T 450	2100	f/out
	2050 KLNE- 3 NE T 760		WRZ 2 LA T 450	2 tr	1002 WFAA- 8 TX 250
	2059 KWGN 2 CO 800		WAFB- 9 LA T 450	2 tr	0003 WFAA- 8 TX 250
tr	2105 KNCT 46 TX 135	Es	1345 WTHS- 2 FL 1150		0005 WBAP- 5 TX 240
	KERA-13 TX 250		(went WPBT @14,00)		KTVT 11 TX 240
	Es 2155 KNOP- 2 NE T 820		WTVJ 4 FL T1150		

Not as much this report as last time, but still plenty. Have now passed the 200 count in stations and on the verge of 100 of them via Es. I've missed a lot of Ch 4,5, 6 ID's that would have been new while my attention was with FM band. Some of the very late-running openings have been nice when locals 4 and 5 go off (ironically, many times it seems Es has picked Friday nights to do that and NBC runs 90 mins longer then. 73.

Glenn Hauser, Box 300, Von Ormy, Texas 78073 (8 June - 1 July) (Gst)

Lots of Es here, but nothing new; the MUF frequently reached FM, which receives priority. Apologies for omitting distances, but they've all appeared in my previous reports.

8	Es 0730 n.e. 2	9	Es 1700 WCBD- 2 SC 11	Es	0830 n.e. 2	(Id in 3-leaf clover;
	1630 unIds 2		1700 unId 3		0857 WCBD- 2 SC	ancient MGH cartoon)
	1723 WMT - 2 IA		1859 WPMY- 2 NC		0929 WSAV? 3 GA	LS 1837 KRBC- 9 TX
	1730 WLW-D 2 OH	10	Es 0830 KNKT 2 CA		0929 WBTV? 2 NC	Es 1857 KEY-T 3 CA
	1759 WJBK- 2 MI		0830 KNBC 4 CA		0959 WLW-D 2 OH	(MUF reached 95.5)
	1829 WWAY- 3 NC		0830 KTLA 5 CA		1015 WJBK- 2 MI	12 Es 0745 KTCG? 2 MN
	(MUF 89.3)		0914 KOAI 2 AZ		1029 CKC01- 2 Ont	1029 WBAY- 2 WI
	1907 WCBD- 2 SC		1125 KQTV 2 MO		1029 WBMM- 2 IL	1054 WESH- 2 FL
	1907 WBAY- 2 WI		2133 KID - 3 ID		1059 WBAY- 2 WI	1109 WMT - 2 IA
	1940 WSJK 2 TN		2138 KRMA- 6 CO		1059 KDIX- 2 ND	1628 KEY-T 3 CA
	1946 WDCN- 2 TN		2217 KUTV 2 UT		1133 WAVE? 3 KY	1629 KNXT 2 CA
	2035 WUND? 2 NC		(MUF 92.3)		1625 WDCN? 2 TN	1657 KHV - 2 Ja1
	2145 KTCG- 2 MN		2232 KTWO- 2 WY		1728 KNKT 2 CA	(1702 Televisa-2 Id)
	2245 KQTV 2 MO		2332 WBAY? 2 WI		1732 KORK- 3 NV	1840 KOAI 2 AZ
	2300 KHTV? 2 NE		2345 KHBC? 3 BCN		1758 KHBC- 3 BCN	1852 KHBC- 3 BC

(12)(Es) 1853 KORK- 3 NV	(15)(Es) 1941 WITI 6 WI	(18)(Es) 1251 WTHS- 2 FL	(21)(Es) 2130 unId 3
1855 KWIE? 6 CA	2026 KNOP- 2 NE	1258 WBTV? 3 NC	23 tr 0859 KXIX-19 TX
1858 XETV 6 BC	2027 KUTV 2 UT	1258 WTUVJ 4 FL	24 Es 0829 WPMY- 2 NC
(MUF 96.5)	2059 KTWO- 2 WY	1318 KAUS- 6 MN	0829 WTAR- 3 VA
1906 XHAQ? 5 BC	2107 KNXT? 2 CA	1326 WOI-? 5 IA	0859 WBTV 3 NC
1929 KTWO- 2 WY	2138 KORK? 3 NV	1329 KGLO- 3 IA	1019 KTVS? 3 CO
13 Es 0720 WESH- 2 FL	2225 WDCN- 2 TN	1346 WEDU 3 FL	1019 KTWO- 2 WY
0759 WPBT/WTHS	(MUF 99.1)	1458 KUSD- 2 SD	1405 WESH- 2 FL
2 FL	tr 2230 KPLC- 7 LA	1959 WBBM- 2 IL	1406 WPBT- 2 FL
0759 WTUVJ 4 FL	2230 KLNI-15 LA	2125 WJBK- 2 MI	1407 YSR-? 2 ES
0815 WCIX- 6 FL	16 Es 1202 KWGN? 2 CO	(Day's MUF: 105.9)	1407 TGV-? 3 Gt
(s/on)	1330 KUSD- 2 SD	20 Es 0842 WESH- 2 FL	1411 WTUVJ 4 FL
0819 WBCT? 6 NC	1355 KQTV 2 MO	0959 KTVQ 2 MT	1724 WEDU 3 FL
1010 WPTV 5 FL	1428 KAUS- 6 MN	1005 KOAI 2 AZ	1829 WBAY- 2 WI
1028 TVN6 6	(Little on TV, isolated areas; MUF 107.1)	1008 KTVK 3 AZ	1900 KGLO-? 3 IA
Habana Cuba	1625 KOAI 2 AZ	1012 KBOI- 2 ID	1900 WOI-? 5 IA
1048 WBTV 3 NC	1625 KNXT 2 CA	1059 KNXT 2 CA	1920 KAUS? 6 MN
1222 KQTV? 6 FL	1928 KORK- 3 NV	1153 KTLA 5 CA	1959 KUSD- 2 SD
(MUF 107.9)	tr 2100 KRBC- 9 TX	1200 WTHS/WPBT	1959 KLNE- 3 NE
1258 WLW-D 2 OH	2100 KOSA- 7 TX	2 FL	2030 KQTV 2 MO
1259 WAVE- 3 KY	2101 KMID- 2 TX	1220 KORK- 3 NV	2100 KUTV 2 UT
1309 WTVN? 6 OH	2102 KFDN- 6 TX	1229 YSR - 3 ES	2131 KTWO- 2 WY
1420 WBBM? 2 IL	2121 WGNO-26 LA	1311 HRN-? 3	2223 KID - 3 ID
1420 WBAY- 2 WI	2121 WRBT 33 LA	Tegucigalpa Hond	2330-35 unIds 2-5
1529 KDKA- 2 PA	2121 KLNI-15 LA	1329 WESH- 2 FL	25-29 at Enid OK:
1559 WKYC- 3 OH	0920 KDKA- 2 PA	(Day's MUF: 95.5)	25 Es (MUF 107.5)
2005 WDCN- 2 TN	18 Es 0920 WJBK? 2 MI	1336 WEDU 3 FL	27 Es 1030 KTVN 2 NV
2110 KQTV? 2 MO	0928 WLW-D 2 OH	1338 WTUVJ 4 FL	1059 KTVU 2 CA
2110 KGLO? 3 IA	0926 WKYC- 3 OH	1433 TVN2 2(tp)	1759 WESH- 2 FL
2121 KMTV 3 NE	tr 0931 KMOM 9 TX	Habana Cuba	1829 WCBD- 2 SC
14 tr 2205 KMTV 3 NE	Es 1028 WAVE- 3 KY	1601 YNTC? 2	Back at Von Ormy:
2325 KNOE- 8 LA	1030 KTVQ 3 MO	Managua Nic	29 tr 2100 WAFB- 9 LA
2327 KTBS? 3 LA	1054 KMTV 3 NE	1633 YSEB? 6	30 tr 0659 KRID- 2 TX
15 Es 1032 WESH- 2 FL	1058 WDCN- 2 TN	San Sal. ELSal	0700 KOSA- 7 TX
1100 WLW-D 2 OH	1059 KTWO- 2 WY	1658 YSU-? 4	0700 KWSW- 8 NM
1524 KNXT 2 CA	1115 WSAZ- 3 WV	San Sal. ELSal	Es 1015 KUSD- 2 SD
1615 WCBD- 2 SC	1129 KORK- 3 NV	1758 XHBC- 3 BC	1015 WSZO- 3 MI
1659 KQTV 2 MO	1129 KNXT 2 CA	0929 WSAV- 3 GA	1059 WBAY- 2 WI
1728 KTGA 2 MN	1129 KOAI 2 AZ	0938 WCBD- 2 SC	1059 WISC- 3 WI
1759 KLNE- 3 NE	1133 KNBC 4 CA	0941 WCIV 4 SC	(MUF 89.5)
1759 KGLO- 3 IA	1133 KHBV? 5 NV	0959 WWAY- 3 NC	1159 KNXT 2 CA
1810 WOW-? 6 NE	1229 WMT - 2 IA	1159 KTWO- 2 WY	1332 WCBD- 2 SC
1829 WDIQ 2 AL	1247 WCIX- 6 FL	2059 KOAI? 2 AZ	2000 unId 2
1859 KUSD- 2 SD	1250 XHBC? 3 BC		Until next, 73 de Glenn.

Best of DX to all

Dennis

VAFI (A recap of what it means and how it's used.)

Video (V)	Audio (A)	Fading (F)	Interference (I)
No signal 0	No signal 0	Auroral flutter 0	Loss of signal 0
Just detectable 1	Just detectable 1	Deep to fast 1	Extreme 1
Heavy snow 2	Poor 2	Slow deep 2	Heavy 2
Moderate snow 3	Fair 3	Moderate 3	Moderate 3
Light snow 4	Good 4	Light 4	Light 4
Snow free 5	Excellent 5	None 5	None 5

VAFI is a system for detailed reporting of signal quality in a minimum of space. A typical DX column VAFI report would be similar to the following: 4334N540. The first four numbers read directly off the chart above. "N" indicates the station is a new logging. "R" for relog and "T" for tentative are alternates. The last numbers indicate mileage from DXer to DX station.



VHF UTILITY DX

Pat Dyer
5315 Silvertip Drive
San Antonio, TX 78228
Deadline: 12th of month

Richard T. Colgan, PO Box 18268 - Serna Station, San Antonio, TX 78218
Realistic PRO-2, Midland 13-920, Petersen HL-44; A/S Mon-8 @ 40'; GMT

<u>12-13:</u>	2137, KIB 482	45.06	West Palm Beach, FL (state police)
<u>14:</u>	1858, KQH 904	33.86	Newark, OH (county fire)
	2250, KSB 266	39.50	Oregon, IL (sheriff)
<u>15:</u>	0029, KIB 695	37.10	Louisville, KY (police)
<u>20:</u>	0002, KSC 529	39.46	Elkhorn, WI (sheriff)
	0004, KAA 982	37.10	Mount Pleasant, IA (police)
	0027, -	35.50	Detroit, MI (mobile-phone)
	0106, KDK 762	33.78	Indianola, IA (fire)
<u>21:</u>	0051, KSA 764	42.42	West Lafayette, IN (state police)
	0128, KIK 545	37.26	Manchester, TN (police)
<u>1-4:</u>	0125, KFL 943	35.58	Las Vegas, NM (A2 pager) (voice ID, ed.)
	0152, KMD 709	42.12	Yountville, CA (state police)
<u>6:</u>	1733, KQI 821	39.46	Marion, OH (sheriff)
<u>13:</u>	0122, KIB 483	45.06	DeLand, FL (state police)
	0304, KME 438	35.22	Orange, CA (A2 pager)
<u>2-3:</u>	2341, KIC 365	42.86	Richmond, VA (state police)
	2347, KDP 456	37.26	Decatur, TN (sheriff)
<u>7:</u>	2338, KOA 348	39.18	Flagstaff, AZ (sheriff)
<u>8:</u>	0010, KOJ 800	39.18	Page, AZ (police)
	0030, KML 735	46.26	Garden Grove, CA (fire)
	0040, KOB 424	42.94	Price, UT (state police)
	0259, KOI 593	42.94	Angels Peak, NV (state police)
<u>10:</u>	0032, KOF 250	42.82	Douglas, WY (state police)
	0216, KCX 980	42.34	San Bernardino, CA (state police)

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

<u>4-21:</u>	----, N98079	119.7	s of Gibson Island, MD (Paul E. Nuwer; Piper Cherokee 140; single-engine, 2-seat; 1000 ft)
<u>5-5:</u>	2215, N8805B	119.7	ov Kent Island, MD (George H. Olmstead; 1958 Cessna 172; 1-145 hp eng, 4-seat; 1500 feet)
<u>6-2:</u>	----, KRS 907	162.0	Cambridge, MD (Ches.&Potomac Tel., 50 watts)
<u>3:</u>	----, KKR 831	39.5	St. Martinville, LA (sheriff, 300 watts)
	----, KKC 649	39.5	Lafayette, LA (sheriff, 250 watts)

My loggings, Allied A-2586 & SX-62 with 30-ft indoor random-wire antenna all are Es, CST used. High MUF's often caused 30-50 MHz neglect.

<u>6-13:</u>	0842, KIN 645	<u>20:</u>	0922, KMA 829	<u>24:</u>	1350, KIN 645
<u>14:</u>	1256, KIN 645		0925, KIY 508		1705, KIY 508
<u>15:</u>	1043, KIY 508		0945, KIN 645	<u>27:</u>	1145, KFL 943
	1118, KSJ 815		1028, L Beach		1530, KSJ 815
	1443, KFL 943		1106, L Angeles		1628, L Beach
	1515, KMA 829		1110, KME 438		1650, KME 438
	1519, L Beach		1323, KFL 943	<u>28:</u>	1058, L Beach
	1521, KME 438	<u>21:</u>	1018, KDN 402		1335, KMA 829
	1523, S Diego		1031, OK City	<u>30:</u>	0839, KME 438
	2349, KDN 402		1032, KMA 829		0843, KMA 829
<u>16:</u>	1258, KAI 927		1048, L Beach		0904, L Beach
	1555, L Beach		1106, KAI 927		1731, KSJ 815
	KME 438	<u>22:</u>	0030, KMA 829	<u>7-1:</u>	2220, KSJ 815
<u>17:</u>	0917, L Beach		1658, KIY 508	<u>2:</u>	1558, KFL 943
<u>18:</u>	1104, KDN 402	<u>24:</u>	1208, KAI 927		1613, KAH 661
	KAH 661		1230, KSJ 815	<u>4:</u>	0735, KQC 877
<u>19:</u>	1222, L Beach		1232, KQD 607		

locations, freqs, etc. in next issue.

73, Pat WA5IYX

C.C.I. FM [UNIDENTIFIED-DX]

Bruce Rummel
Box 103
Mertztown PA 19539

AUGUST 1973

A sudden flurry of unidentified FM DX has been logged, practically all sporadic-E (Es, or skip). If when you look over the reports below you think, "Well...that's got to be K***" don't keep it a secret. Let the DXer or this editor (note new address above) know. If you cannot immediately identify a station, place an 'x' in the item hyphens for reference later. PTA means probable target area, although any station from 700 to 1500 miles is considered probable by Es. Pencils ready?

Dr. Richard Wood, Department of Foreign Languages, Louisiana State University,
Baton Rouge LA 70803

Mon 04 Jun Es 1458 EDT 95.9 - - News item from VA. Perhaps WISZ Glen Burnie MD (or WYII Williamsport MD, which is stereo. Lacks data for ID; see Dyer's KCUE below)

1520 EDT 92.7 - - Twentieth Century Reformation Hour, with Dr. Carl McIntyre. PTA: WESM Prince Frederick MD or VA area.

1335 CDT 104.7 - - Mutual Progressive Network news. PTA: Northern midwest, PA, OH. Big-city black-populated area or campus town. KRES Moberly MO not suspected but is MBS. (Rock stations in PTA are in Dayton and Toledo OH, and low-power Fulton NY)

1435 EDT

1727 EDT 96.9 - - PSA in Spanish, into rock music. WFPG Atlantic City suspected. (NOT WFPG. Maybe WGRQ Buffalo, or WOUR Utica, both rock, but neither carries Spanish to my knowledge).

Dr. Bruce Elving, Box 24, Adolph MN 55701

Wed 06 Jun Es 1330 CDT 93.5 - - Double hop Es to California, small-town station with California wire service copy news. Steady but weak to about 1400 CDT. Four Californians suspect. (KKOP suspected here; other three are bigger stations farther north).

Glenn Hauser, 1312 West Oak Avenue, Enid OK 73701 NOTE: All loggings at Von Ormy TX.

Tue 22 May Tr 0106 CST 99.1 - - Stereo soul, 'self-expression time', mentioned Stone Street Park. PTA: WFMP Pascagoula MS. WQIK possible propagationally but cannot locate such a park in Jacksonville. (How about WEDR?)

Wed 23 May Es 1239 CST 90.5 - - Instructional pgm on French dances, 1246 end 'French for Six' into next program 'Music Is' without ID. PTA: OH, PA area. (NOT WDUQ)

1249 CST 88.7 - - Interview on stage lighting, mention Bell River (HS?), and Essex County (NJ). WRRH suspected but report not answered.

1641 CST 95.3 - - "West of Wentworth between Kennan & Wilson" sts? Stereo EL. PTA: ON-OH-MI area. CKDS heard earlier and may be same (Prob. CKDS)

1707 CST 106.3 - - Thornwood Thunderbirds track coach on panel; ment. 'south-suburban'; A&W ad; PTA: MI-WI-IL-IN-OH area.

1827 CST 98.1 - - Ad for Nashland, during local news. PTA: MI & area.

Thu 24 May Es 1020 CST 90.5 - - ABA PSA; local PSA on Screen ___ Film Society. PTA: SE USA; WVUM?

Fri 25 May Es 2312 CST 89.1 - - Hard rock, PTA: S. CA area: KUOR?

Sat 26 May Es 1400 CST 93.3 - - Aesthenia Gravis PSA; Del-O (IGM automation); maybe two stations. PTA: S, Cent. CA; AZ.

1411 CST 97.9 - - Giants-Expos BB; PTA: Cent. CA. KMJ?

1529 CST 93.5 - - Meade County weather. (DEFN: WMMG Brandenburg KY)

1603 CST 90.1 - - Bookbeat. PTA: SE USA: WABE?

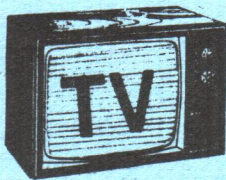
AUGUST 1973

Glenn Hauser (continued)

Sun 03 Jun Es 1140 CST 91.1 - - Discuss police; PTA: CA.
 1142 CST 90.1 - - Classical music; PTA: CA.
 1158 CST 107.1 - - German language; PTA: S. CA; KMAX?
 1233 CST 101.3 - - BB from Pittsburgh; PTA: OH area. (WNCO?)
 1247 CST 95.5 - - Remote from Castleton, Ellisonville Road.
 PTA: IN but unable to locate place.
 1307 CST 93.9 - - Ad for Keystone, taken to be a town. PTA: IN, WV.
 Mon 04 Jun Es 1246 CST 94.1 - - Army Hour. PTA: VA area.
 1315 CST 105.9 - - 'Mid-South's choice for beautiful music', ad at
 Main & Union. WLAC? (Prob. WLAC)
 Tue 05 Jun Ms 1134 CST 90.5 - - Livestock report; antenna E; PTA: E USA.
 Es 1404 CST 100.1 - - 'The good side of music', PTA: GA, AL.
 1810 CST 106.5 - - Tom Allen DJ, may be automated. PTA: MI area.
 1823 CST 107.1 - - Baseball with inadvertent KNUJ New Ulm MN ID.
 1835 CST 107.3 - - White Sox BB. PTA: IL area.
 1837 CST 105.5 - - John Deere ad for Cambridge; PTA: MI-IL area.
 1910 CST 107.1 - - "...Music Hall" PTA: MI-WI-MI area.
 2055 CST 104.1 - - Cincinnati/NY baseball; PTA: OH-KY-IN.
 Tue 12 Jun Es 1918 CST 94.7 - - Classical music; seems NW. PTA: KBVL Boulder CO.
 2030 CST 89.1 - - Soul; PTA: CA. KUOR?
 Wed 13 Jun Es 1005 CST 106.3 - - Remote from animal show mention Walton or Washing-
 ton county agent. Both cys. in FL, GA but no FM's
 nearby.
 Sat 16 Jun Es 1135 CST 106.3 - - 'Solid Gold'; CDT zone; PTA: MN-IA-WI.
 2035 CST 99.9 - - NY/San Diego baseball. PTA: S CA.
 Mon 18 Jun Es 1030 CST 88.1 - - 'Our FM concert' PTA: WI-MN-IA.
 1329 CST 88.9 - - End 'Folk Music and Bernstein (sic)'; PTA: IA to FL.
 1414 CST 98.9 - - Temp 500; ID like KPRI, into gospel music 'in the
 twin forks' (Duluth?)
 Sun 24 Jun Es 1940 CST 92.3 - - ABC Issues & Answers; PTA: MI-WI-IL area.
 93.3 - - Same as above; therefore parallel delayed.

Mr. Pat Dyer, 5315 Silvertip Drive, San Antonio TX 78228

Wed 23 May Es 1128 CST 88.3 - - Part of full college course sponsored by prom-
 inent MA university consortium, Dr. Phillip,
 lecturer. Suspect KESD, WIAA, WHWC.
 1245 CST 90.5 - - Drama (OH, PA area). (NOT WDUQ. WKAR, WCBE
 suspected).
 1629 CST 90.9 - - End ABC news, then 'All Things Considered'. PTA:
 OH, PA. (Not WUHY. Seems CDT, WAUS, KHKE poss.)
 1710 CST 99.3 - - FM 99, ad for Ace Hardware. PTA: MI-OH.
 1843 CST 94.7 - - TV ch. 5 promo (OH-MI). (No direct affiliates)
 Sat 26 May Es 1127 CST 88.3 - - Opera. PTA: Great Lakes to Central US.
 1525 CST 99.3 - - Drug abuse discussion. PTA: OH-KY.
 1528 CST 95.3 - - Soul format PTA: OH-KY. (Prob. WBHT-FM)
 1537 CST 94.3 - - Columbia School of Broadcasting spot with
 721-0066 given. PTA: OH-KY.
 1646 CST 88.1 - - Jazz. PTA: SC-CA.
 95.3 - - Religious revival (Prob. WSOR)
 95.1 - - Ad for West Chevy
 1655 CST 94.1 - - Country & western music.
 Mon 28 May Es 1745 CST 88.9 - - EL with ID like WIPR. PTA: SC, GA (WYFL?)
 Sun 03 Jun Es 1129 CST 94.3 - - Ad for travel agency in Encino - KVFM? (Try KDEF
 Albuquerque)
 99.1 - - Spanish. PTA: CA. Maybe XHRM 99.3.
 1133 CST 94.9 - - EL. PTA: S CA, AZ.
 89.5 - - Opera (same).
 1150 CST 96.5 - - Ad for Mario's at 2604 5th avenue, not Phoenix.
 (Maybe KYYY)
 92.5 - - Auto race.
 98.7 - - Fernbrook-Glendale condominium ad, maybe KTAR-
 (or KJOI, both large Glendale suburbs)
 94.7 - - Auto race. WDEF suspected, did not verify.
 (Try KMLT)



C.C.I.

Leslie J. Prus
1615 Pierre Street
Manhattan, Kansas 66502
(Phone: 913-537-7886)

Unidentified TV DX

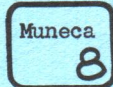
AUGUST 1973

Ron LeBlanc, 2524 Arizona Drive, Marrero, Louisiana 70072

Wed Feb 7 Es ch 5 1720 CST - - Spanish; ID slide at right: with "La Imagen Agosto" at the bottom of the slide. Chief suspect is XHGC-5 as the "5" style matches.



canal 8 5 1725 CST - - Spanish, slide at right PTA of this and previous is Mexico City area, and chief suspect is XHZ-5 (net 8)



Fri Feb 9 Es ch 5 1650 MST --- PBS "Sesame Street" Defn KNME.



5 1714 MST --- "Dragnet" Definitely KSL.
2 1733 MST - - local news with the words: " [2] News" at the bottom of the screen. Chief suspect is KOAI-2 Flagstaff, Arizona.
3 1805 MST --- "What's My Line" Definitely KTVK-3.
2 1927 CST - - Mexican station with the logo style shown at right. Suspects are XEPM, XHFA, XHCH, XHI, XHIA.

Wed Feb 7 Es ch 5 1835 CST - - Spanish educational station showing "Sesame Street" in color with Spanish audio. PTA: Mexico A channel 5 station relaying the XEI-PN Canal 11 net is suspect, though April Tele-Guia does not list the program. Oaxaca??



Mon Feb 19 Es ch 5 1238 CST - - Spanish educational programming w/ show about anatomy and another about electricity. This is probably not the Canal 11 net, but may be XHGC-5 running instructional programs or the XHGC relay in Las Lajas, XHAJ.

Richard Peary, 216 Acadia Circle, Fairfield, Alabama 35064

Wed Feb 7 Es ch 2 1630 CST - - Soap opera, and an XEW radio promo XEW-TV Mexico City likely, as it was running "telenovelas" at the time. According to April Tele-Guia, at 1600 "Esmeralda," 1700 "Cartas Sin Destino" and 1800 "La Rival."



2 " " - - A panel/game show seen after the soap operas (I assume about 1700, LJP) and depending on whether XEW schedule was the same in Feb as April (telenovelas from 1600-1900) another station may be possible here.

3 1630 CST - - Canal 2 net soap opera. Suspect XEZ.
4 1630 CST - - Canal 2 net soap opera. Suspect XHD.
4 1640 CST - - Mexico: Spanish documentary, later a program with elementary school kids demonstrating soccer game.

Les Prus, 1615 Pierre, Manhattan, Kansas 66502 Best of DX, Les

Wed May 23 Es ch 5 1625 EDT - - local movie starring Eleanor Donahue. Saw marriage ceremony and driving off to Hawaii for honeymoon. PTA: NE US

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