



MAILBOX

John Zondlo
1802 N. Rockwell,
Apt. 107
Bethany, OK 73008
(405) 787-3717
Deadline: 5th

New Members:

Mike Dewan	1737 E. Meyers	Hazel Park, MI 48030
Richard Faloney	222 Robin Road	Hershey, PA 17033
Art Finigan	29-12 Newtown Ave.	Astoria, NY 11102
Bruce Kampe	10D Dayton Court	Newington, CT 06111
David Llewellyn	990 Alta Vista	Louisville, KY 40205
Thomas Mishler	2438 Kentucky Ave.	Flint, MI 48506
James Stiles	1234 Massachusetts Ave.	Washington, DC 20005
	NW, #201	
Harry Teufel	3129 Jasper St.	Philadelphia, PA 19134

Renewals:

Jim Albrecht, Jim Ayers, Gerald Barkow, John Blue, Walt Breville, Roosevelt Crawford, Mike Dalton, Patrick Durkin, John Ebeling, Joe Fela, Paul Gaines, Joe Gragg, Roger Gravelle, Mike Hardester, James Herkimer, Bill Heusmann, Thomas Holmes, Roger Horie, Robert Langridge, Jr., David Letterer, Albert S. Lobel, Fred McCormack, Lowell McCown, Alan Michalek, Takahito Miki, David Moody, Lonnie Nine, K. Noffsinger, John Parillo, Walter Patton, Don Ruland, Ron Schatz, Gary Siegel, Dr. James Snow, Paul Swearingen, David Walcutt, Robert Williams, Ron Wing.

Rejoins:

Dr. R.B. Ammons-411 Keith Ave.-Missoula, MT 59801
Peter Baskind-3819 Kendale Drive-Gautier, MS 39567
John Kosinski, Jr.-18 Case Road-Stamford, CT 06905
Thomas Little-2343 Olde Stone Court, Apt. #1-Toledo, OH 43614
Gordon Nelson-48 Hardy Ave.-Watertown, MA 02172

Address Changes:

Patrick Durkin, Jr.-1940 Oakdale Ave. #305-W. St. Paul, MN 55118
Richard Eckman-2900 E. Aurora Ave., #320-Boulder, CO 80303
Robert Fischer-Box 82210-Fairbanks, AK 99708
Paul Mitschler-5228 W. 10th Terrace-Topeka, KS 66604
Jim Pizzi-P.O. Box 1778-Lovington, CA 88260
Les Price-5636 1/2 Market St.-Wilmington, NC 28405
Ron Schatz-250 W. Sample Road (C-106)-Pompano Beach, FL 33064
John Sulak-4267 S. Samorgu (sic) Blvd. #1-Orlando, FL 32807
David Walcutt-P.O. Box 7156A-Houston, TX 77008

Renewals Due in October:

Alex Berman, Dean Bianco, Tom Bishop, Neil Dickerson, Vernon Eaton, Robert Eddy, Phil Epstein, Charles George, Fred Holland, August Miller, Erik Nagel, R.L. Neva, Fred Pitterle, Richard Reese, John Rieger, George Rogers, Dr. Joel Rosenberg, W. Ryan, Arthur Schaefer, William Scully, Mike Sweeney, Michael Todd, Jim Wixon, Dr. Richard E. Wood.

Leading off the new members this month is MIKE DEWAN. He's mainly into TV, and ventures occasionally into FM and PSB. He uses a "Zenith L1908C 19" color TV, 1 year old, the best combination of sensitivity and selectivity I could find for coping with locals - our 'big guns' 2, 4 and 7 are all about 5 miles away. I use a Channel Master 3610 for VHF and a 4257 Quantum yagi for UHF. Am upgrading to a 3617 and a dish as soon as I can afford it. They're up about 35 feet."

ART FINIGAN is a college student putting himself thru school by working part time as a shipping clerk. He's into TV and BCB DX. Here's his equipment: Sony KV-1913 19" color TV, Zenith VR9000W VCR, GBC MKV videocamera, Channel Master 0071B UHF preamp, Channel Master 4250 6' UHF dish @ 80', Radio Shack V-185 VHF log periodic at 60', Radio Shack U-100 UHF yagi and corner reflector @ 50', Cornell-Dubilier XL22 rotor, Radio Shack rotor, Kenwood R1000 SW receiver, and a Technics SA300 FM receiver. Should you have any questions about any of the above gear, Art says he'd be happy to answer them.

From the home city of ARRL comes new member BRUCE KAMPE. Bruce is a ham, with the call WA1POI. He comes to the club courtesy of David Newkirk, who's leaving our ranks because of inactivity above 30 MHz (David is also an avid ham). Good to have you with us, Bruce!

Tidbits.....

He wrote his own intro, but it was really too long for the above section. So, we'll let Richard Faloney introduce himself here: "Although I have done TV DXing in the past and still have somewhat of an interest in it, my current resources limit me to FM DXing. I might also say that I do quite a bit of BCB and SW DXing and that I recently joined the North American Shortwave Association (NASWA).

"I use primarily a GE Superadio for FM DX. I also have a Panasonic RF2900. I find that for the price and portability, the GE Superadio performs better than any FM radio I have ever heard. From here (Hershey PA) day in-day out reception of Philly and a couple Baltimore FMs is just about guaranteed (they're both about 100 miles away). Also, WPMU 88.5 in DC, WVIA 89.9 Scranton (both in the 125-150 mile range) provide regular good daily reception. All this, I might add, is from an elevation about equalling the general area (town of Hershey).

"I have logged E-skip only once so far this year on 6-28 (Sunday evening about 6-8pm EDT), when I logged KADI 96.3 St. Louis, KFIN 107.9 Jonesboro AR, and WQEZ 96.5 Birmingham AL. Although since then I have checked several days each week and have yet to discover another opening. The groundwave has been very, very good, however, all this month. I have been regularly logging stations in the 150 mile range both midday, mid-night, and in between. Examples are WQHQ Salisbury MD, WJNL Johnstown PA, WFUV New York, WSKG Binghamton NY, etc." Hope you enjoy your membership, Richard!

Next up, Patrick Durkin, Jr., has some good words for us: "Joining WTFDA has helped me understand a lot more about TV and FM DXing, which in turn has helped me increase my loggings of new stations. For example, I had only observed E-skip propagation a few times since I started DXing TV and FM in 1978. However, since I've joined the club and found when and where to look for E-skip, I've logged new stations via this mode on numerous occasions. I also continue to enjoy being in the club because I like comparing my results to others in this area. I saw by reading the VUD that others had the same fantastic reception I did last summer (which included the loggings of several Washington DC FM stations, 700 miles from here, via trappo, during the early morning of July 9th."

Let's wrap it up this month with the continuation of comments by European DXer Paul van Rossum, editor of the monthly bulletin of the Benelux DX-Club in the Netherlands: "Well, over now to the article that made my hair stand straight and gave me some goose pimples- Mr. Ralph Strobel's special report on FM and TV in five European cities (October 1980). Without trying to sound too critical, I do feel that this report is a bit superficial. First of all, I should point out that most TV broadcasting in Europe is done on UHF - both to avoid interference problems and also because reception of these signals generally is much more 'ghost-free' than on VHF. As people in Europe are generally much more critical of the quality of the picture they watch than in the U.S., this is an important criteria. In fact, two big countries, England and France, have moved entirely to UHF; their VHF transmitters will leave the air over the next few years. This also explains Mr. Strobel's observation concerning the small aeriels with same number of elements- these are yagi-UHF antennas, the most common aerial here for normal reception. As all programmes are broadcast from the same transmitter on channels that lie close together (for instance, channels 21, 14, 27, 31 is a much used combination) one such yagi antenna can cover the whole thing. The set Mr. Strobel described in the Salzburg hotel is quite common in Europe - in fact, the American system of two clicking round knobs is only available on the cheapest Japanese black and white portables. All other sets have a system like a car radio: preset buttons which choose not only location on the band but also the band itself." More from Paul next time around.

Hope all of those who attended enjoyed the convention. A report on all the goings-on appears elsewhere in this issue. It was great fun hosting it...but am I ever glad it's over, hi! See y'all next month.....
.....73.....jz

A EUROPEAN FM PIRATE

(This program was aired by Radio Deutsche Welle in their shortwave service to North America during the final week of July, 1981. Transcribed and typed by David L. Walcutt)

Pirate radio stations, usually loved by the public for their swashbuckling, law-defying lurch on the airwaves, are not exactly popular with the government biggies. But one pirate station, Radio Triangle-land in the French Alsace, is actually a president's pet. Here's Larry Wayne with the renegade report:

This unlicensed radio station has its own special magic. Now it's here, now it isn't; now it's somewhere else, flying the skull and crossbones, as it were. Which is okay by the thousands of fans in France, Germany, and Switzerland who listen to Radio Triangle, because wherever the transmitter may be, the signal is loud and clear. Located on the Alsatian triangle, whose legs are France, Germany, and Switzerland, the illegal station continues to win friends and influence ecology buffs in all three countries.

Radio Triangle-land has picked up where another pirate left off. That was Radio Green of Sessenheim, also in French Alsace, and also dedicated to the balance of nature. Last year Radio Triangle was pinpointed by communications officials and the studio equipment was confiscated. But the portable transmitters had been hidden before the legal eagles swooped in, and the fate of Radio Triangle-land was not sealed.

Meanwhile, the pirate broadcasters got a petition circulated and collected 5,000 signatures in support of the station. One of those signatures is that of Francois Mitterand, the newly elected President of France. So now, with the blessing of the head of state, there seem to be motions of legalizing Radio Triangle-land.

The station operates with 12 portable transmitters, each with a "super power" of 25 watts and covering the frequencies of 100 to 104 Mhz, on the FM dial. The bases of operation are from the Vosges Mountains and the Black Forest between Haguenau and Zuttgau in France and between Freiburg and Kaiserstuhl on the German side. But anyway, you wouldn't be able to hear any programs right now because the pirates are on vacation. Well, even pirate broadcasters need a little break. But they'll be back with their outlasses to slash away at pollution and soil erosion starting October 2nd. Every day there'll be 15 to 20 minutes of regional information in three languages -- French, German, and Allemanic, a dialect that binds the people living in Alsace, France, the southern part of Baden in Germany, and in Switzerland.

The German link of the station-- the studios in Freiburg-Kaiserstuhl -- runs its own program in High German and in the regional dialect. There are no studios in Switzerland because of the severe penalties and relentless monitoring by the police there. Commercial advertising is strictly taboo on Radio Triangle, which is privately financed, especially by ecology boosters. In fact, West German radio journals feel that the station doesn't really broadcast programs but rather serves as an internal organ of information for engaged protectors of the environment.

Southwest Radio, one of West Germany's large regional stations, in Baden-Baden, takes the meager pirate competition with a shrug of the shoulders, saying the signal is too weak to do much damage. Besides, not many people are going to hunt for the pirate station on the radios every day at a different time. And that's how the big station feels about it. And it doesn't see any reason to react by changing its programs. But this sentiment could change if Radio Triangle gets the legal seal of approval from Paris. The Socialist government has publicly expressed its sympathy for such small radio stations as complementary to state operated stations and their public service programs.

TV NEWS

Bill Fahber
336 Atlantic Street
Bridgeton, New Jersey, 08302

THE INVASION OF THE PHANTOM TRANSLATORS

One night last summer, during a strong tropo opening, a test pattern for WTVD, ch. 11 in Durham, North Carolina, came in clearly on channel 11, with a recorded voice which I misunderstood to say "conducting translator tests." The same image was also coming in on channel 42 that night. Ed Wall, chief engineer for WTVD, in responding to my letter, said that the aural ID actually said "conducting TRANSMITTER tests, and that they did not operate any translators. Meanwhile, WBOC-TV, channel 16 in Salisbury, MD, often appears on channel 26. Again, no such translator exists. On good tropo nights, WTAF, channel 29, and WKBS-TV, channel 48, can be seen on channels 14 and 33 respectively. No such translators exist. WJZ-TV, channel 13 is seen on channel 60; WLYH, channel 15 is seen on channel 25; no such translators exist. Sometimes channel 3 can be seen on channel 8 where no such translator exists.

What is causing these phantom translators to lurk during the late night hours? There are actually several things causing this. We can best explain this mystery by looking at the Accomack County translators in the lower Delmarva Peninsula, in Virginia.

There are three translator setups, but there are twelve licensed translators in the eyes of the FCC. The 100-watt translators in Craddockville, Va, pick up channels 3, 10, 13, and 15 in the Norfolk-Portsmouth-Hampton area (actually, these stations transmit from Driver, Virginia, 64 to 66 miles from the Craddockville translators). The Onancock (rhymes with the signer of the Declaration of Independence) translators are actually located in Mappville, Virginia, 22 miles from the Craddockville translators, and translates signals from there instead of Driver, which is 86 to 88 miles away. The Onancock translators operate on 1000 watts, and direct their signals NE and SW to cover the greater part of the county. A much weaker translator is located in the middle of Tangier Island, and operates on 10 watts, to cover only that island. These translators pick up the Craddockville signals, only 17 1/2 miles distant instead of the 76-mile-distant signals of Driver. Several DX'ers have asked if the Tangier translators were ever built. All twelve translators were built and began operating around the summer of 1980. The Tangier signals are probably too weak to DX easily. Also questioned were the WYAH translators which were supposed to go on. Accomack County decided to drop those applications because it considered WYAH to be not worth the expense. WYAH is an independent station, broadcasting religious and old syndicated programs. The following chart illustrates how these translators relate.

Driver	C'ville	Onanc'k
WTAR 3 → W58AK → 58	→ 58	→ W44AD → 44
WAVY 10 → W63AM → 63	→ 63	→ W41AC → 41
WVEC 13 → W68BH → 68	→ 68	→ W60AL → 60
WHRO 15 → W52AB → 52	→ 52	→ W25AA → 25

But a strange thing happens late at night. After these stations sign off, other stations on these channels remain on, and when the signals become strong enough, the translators are again activated, and the following chart shows what happens:

KYW 3 → W58AK → 58	→ 58	→ W44AD → 44
WCAU 10 → W63AM → 63	→ 63	→ W41AC → 41
WJZ 13 → W68BH → 68	→ 68	→ W60AL → 60
WLYH 15 → W52AB → 52	→ 52	→ W25AA → 25

According to the Code of Federal Regulations, Title 47, part 74.784, a translator may not rebroadcast a station without that station's prior consent. According to part 74.763(d), "A television broadcast translator shall not be permitted to radiate during extended periods when signals of the primary station are not being retransmitted." And also part 74.734(a)(2) for unattended operations, "The transmitter shall also be equipped with suitable automatic circuits which will place it in a non-radiating condition in the absence of a signal on the input channel."

Obviously, a good tropo opening will start up a translator after the primary is shut off, and the automatic circuits weren't enough. Accomack County plans to install a timing system in the near future so that the translators will shut off at night.

Another type of phantom translator, also evidenced by the Accomack County system, was revealed to me by Jeff Wolf. He and others noticed that translators not only carry the primary station on an assigned channel, but sometimes will carry a station on a channel adjacent to the primary, and rebroadcast it on a channel adjacent to its assigned channel. This next chart will illustrate this:

WHRO 15 → W52AB → 52	→ 52	→ W25AA → 25
WBOC 16 → 53	→ 53	→ 26
WNCT 9 → 62	→ 62	→ 40
WAVY 10 → W63AM → 63	→ 63	→ W41AC → 41
WTVD 11 → 64	→ 64	→ 42

Citing the CFR, Title 47, part 74.737(e), "Consideration should be given to the existence of strong radio frequency fields from other transmitters at the translator site and the possibility that such fields may result in the retransmission of signals originating on frequencies other than the

FCC TV NEWS

SEPTEMBER, 1981

primary station. The FCC also gives standards for the maximum allowable signal strength being emitted from the translator at 3 MHz above and below the translator's assigned channel.

A third type of phantom translator does its haunting from inside your television's IF system. If a television signal is fairly strong, your set will be able to produce a faint picture image of that station 91.5 MHz above it and below its visual frequency, and a sound image 82.5 MHz above or below its audio frequency. As a result, you can pick up a weak picture of the station on UHF either 15 channels above the station, or 15 channels below it, and can hear a faint audio signal 14 channels above or below. A study of receiver performance was made in connection with FCC's Low Power TV studies, at the FCC laboratory in Laurel, Maryland. In the FCC proposal for LPTV, the images 14 and 15 channels above the station were considered nonexistent. On the other hand, the new WTPFA TV Station Guide devotes a whole page to the higher images, but doesn't mention the lower images. My own experience has been that both exist, but the higher ones are rare while the lower images are common.

Lastly, one more source of Phantom translators can be caused by two television sets connected to the same antenna system. With one set turned to channel 3 while on, the other set will pick up a faint image of channel 3 on channel 8 (actually between 9 and 8, but closer to 8). Theoretically, channel 4 could be seen on channel 11, but I haven't been able to try this out yet. This is called a "third harmonic."

When the set is tuned to a certain channel, it will emit a faint signal, called a first harmonic, at its aural and visual frequencies. It will also emit a second and third harmonic, and so forth, at twice, thrice, and so forth, its aural and visual frequencies. A set turned to channel 3, with a visual frequency of 61.25 MHz, will emit a third harmonic at 183.75 MHz. The other set, turned to channel 8 (180-186 MHz) will pick up this visual signal. Likewise, a set tuned to channel 4 will emit a third harmonic at 201.75 MHz, which can be picked up on the other set tuned to channel 11 (198-204 MHz).

So if you're being haunted by phantom translators, that doesn't mean your TV set is going to be re-possessed, or that an albatross is perched on your antenna. A perfectly natural explanation is bound to exist.

NORTH CAROLINA JOTTINGS FROM LESLIE PRICE: Ch. 40 in Fayetteville, NCBegan June 1 with 700' tower, 1.542 kw, with satellite hookup to an independent network. WECT, ch. 6 now using circularly polarized antenna. FAA nixed WWAY's request for 2000' tower (WWAY's old tower was mistaken for a landing strip by a national guard plane, you'll remember.) FAA probably thought it was too easy a target for national guard pilot trainees. WWAY is still using temporary tower... uh, tower.

CHERRY HILL, NEW JERSEY EXPERIMENTAL STATION TV station KE2XNY, licensed to RCA Corp. in Cherry Hill, is mentioned in the new TV Station Guide as well as Broadcasting Yearbook, so I thought I'd do some research on it for this column. I was directed by RCA to Mr. David Newberg, manager of the Gibbsboro Antenna Facilities, who was very helpful.

RCA is allowed to transmit on any television channel, using maximum allowable power, as long as it does not cause interference with any existing broadcast station. But in practice, they use only 400 watts, and beam the signal west and east. They do not transmit any picture or audio, but rather a continuous wave signal strictly for the purpose of testing and measuring patterns of antennas being manufactured for use by broadcast stations. The CW signal is transmitted on the channel intended for use by the future broadcaster, and is picked up by a receiver three miles away. I can recall receiving some sort of CW signal on ch. 27 quite frequently in the past, which could have been KE2XNY. It appeared as a dark picture with little or no snow, no audio, and no sync pulses. If you're in range of their station, and receiving something like this on any channel, it could be KE2XNY.

Upcoming reports in the works:
Meteor Scatter, Part 2: The Physics of Meteor Burst Propagation
Report of the FCC's UHF Comparability Task Force: efforts to improve UHF TV reception, and its acceptance by the public.

WTPFA TV STATION GUIDE: I received my copy of the GUIDE already, and must admit that a tremendous amount of work was put into it, and Morrie really did a fine job. Morrie asked me to let him know of any corrections which I know of that need to be made. There were a large number of offset frequency mistakes on the maps. The correct offsets appear below. By the way, the TVSG also cites that awful heresy that says that 20 kHz makes more lines than 10 kHz. I made a statement some months ago that 10 KHz CCI made more lines than 20 KHz, that in both cases the lines were slightly diagonal (10 KHz lines being higher at the left, and 20 KHz being higher at the right.) I also stated that 0 KHz CCI does not always produce lines, but can also produce a flutter in the picture, or sometimes cause pulsations in the picture. So far, two members wrote to me in agreement, but nobody has yet taken up the challenge. Let's hear some more responses on this! I will admit that on a few occasions I have seen a secondary pattern on 10 KHz CCI resulting in about five to ten notably diagonal lines in addition to the regular CCI lines. Anyway, on with the offset corrections.

WI WBAY 2+	ID KAID 4+	LA WDSU 6z
AK WTOO 3z	AK KYUK 4z	MS WABG 6+
ID KID 3z	PA WTAE 4+	MO KMOS 6z
LA KATC 3+	IL WMAQ 5z	ND KSRE 6+
ND KBME 3z	CA KVIE 6z	OK KOTC 6+
TX KFDX 3+	LA KTAL 6z	TX KCEN 6+

TX KRIS	6z	ND KXMC	13z	MD WAPB	22z
AR KATV	7-	ND KFME	13z	TN WCET	22z
LA KPIC	7-	OK KETA	13z	VT WZEF	22z
OR KOAC	7-	OR KVAL	13z	WA KNDQ	23+
OH WKW	8z	OR KTVR	13z	CA KTSF	26-
TX KUHT	8-	VA WSET	13z	WI WKOW	27z
SD KELO	11z	LA KLA	14z	VA WYAH	27z
CO KBDI	12z	NC WHKY	14z	MO KINL	30+
FL WTLV	12z	LA KADN	14z	MD WWPB	32+
GA WRDW	12z	SC WUWJ	16z	PA WOPC	38-
NM KMCC	12z	MO KCBJ	17z	TX KXTX	39z
TN WDEF	12z	OH WHIZ	18-	PA WPCB	40+
WY KSGW	12z	AR KTEJ	19z	NJ WXTV	41-
NY WAST	13z	MI WUCM	19z	MD WMDT	47-
NY WOKR	13z	OH Woub	20-	OH WBAO	49+
ME WGAN	13z	OR KTVZ	21z	KY WKON	52+
NY WNET	13z	TX KTXA	21z	KY WKMJ	68+
		FL WCLF	22z		

RESULTS OF FCC HEARINGS, (continued)
 Inc., and denied application by WDRB-TV, channel 41 in the same city, to change to channel 21.
 ● Charleston, WV; (channel not given); FCC granted application by West Virginia Telecasting and dismissed application by Appalachian Broadc'g. Corp.
NEW JERSEY'S TELEVISION STATUS:
 John Combs reported the proposal to add several new television assignments to New Jersey back when he was still doing this column. That proposal is still in the works. Governor Byrne has also made efforts to have the FCC force some of the existing VHF stations in Philadelphia and New York City to relocate their studios in New Jersey.
 In June, the House Telecommunications Subcommittee met with New Jersey and Delaware politicians and businessmen to discuss bill no. HR 2128, which, if it becomes law, will reassign a VHF channel to a state not having any VHF assignment if technically feasible (mileage separation, etc.), should an existing VHF station lose its license. One case in particular is WOR-TV, ch. 9 in New York City, owned by RKO General. RKO is presently fighting the FCC to keep its licenses for four TV stations, including WOR-TV. Should WOR-TV lose its license, this law would automatically be assigned to New Jersey.

Note on WLBT, Jackson, MS. Table of Assignments has 0 Offset, but Engineering data list mentions proposed change to +10. I was fortunate enough to log WLBT on 6/18/81, at which time there was 115 Hz CCI over KYW, which is 0 offset. WLBT is on ch. 3.

Call letter changes to be made on the TVSG consist of either mistakes, omissions, or revisions. The corrections are listed below. (m=map; t=table)

CH	ST	C.L.	C.L.	CH	ST	C.L.	C.L.
		FORMER	NEW			FORMER	NEW
2	ID	KBOI	KBCI	m	20	CA	KTZO
2	AK	KENI-TV	KTIU-TV	mt	23	NM	-
3	NY	WSYR-TV	WSTM-TV	mt	27	PA	WTFA
3	CT	WFSB-TV	WFSB	t	28	MI	KFUM
3	GA	WRBL-TV	WRBL	t	33	WV	WMUL-TV
11	OK	KOPD	KOED	m	36	NC	WRWT-TV
11	PA	WIIC-TV	WPXI	mt	38	CA	KTSF-TV
11	NH	WENH-TV	WTV	t	40	NJ	WCNC-TV
12	MT	KTCM	KTVG	t	42	CA	KESQ-TV
13	AL	WAPI-TV	WTVM-TV	mt	42	FL	WHRS
15	AL	WAVQ	WPMI	mt	45	NC	WGNN-TV
18	NY	WSYE-TV	WETM-TV	mt	49	SC	WRTS-TV
19	CA	KCBO-TV	KLOC-TV	t			

CONSOLIDATED HEARINGS (from the Federal Register, June and July issues.)

- Syracuse, NY; ch. 62; The Great Onondaga County Telecasting Corporation (which applied for STV approval also); Comark Television, Inc.
- Lake Charles, LA; ch. 29; Holt-Robinson Television of Louisiana, Inc.; Lake Charles Electronic Media, Inc.
- Little Rock, Ark.; ch. 16; Christian Center, Inc.; Little Rock TV 16, Inc.; LRTV Limited Partnership; Central Arkansas Television, Inc.; May Broadcasting Company of Arkansas; Grant Broadcasting Corporation of Little Rock.
- Tallahassee, FL; ch. 40; Vencap Investment Corporation; Holt-Robinson Television, Inc.; Octagon Broadcasting Company; JGM, Inc.

RESULTS OF SOME FCC HEARINGS
 ● Nagdoches, TX; ch. 19; FCC approved application by Dogwood Broadcasting Corp., and denied application by Texan Broadcasting, Inc. on grounds of lack of ascertainment of community needs, and multiple ownership (applicant also owns KSFA (AM) and KTBC (FM) in the same city.)
 ● Louisville, KY; ch. 21; FCC granted application of Word Broadcasting Network, (cont.)

stations, two STV stations, and three more commercial stations (WAAT/WCMC, which will be increasing its power soon; WWAC-TV, which began broadcasting on July 29; and WKBS-TV, which is assigned to Burlington, NJ and identifies itself as Burlington-Philadelphia) There is also a network of four educational television stations on UHF. New Jersey also has a large amount of coverage from a large number of stations in Pennsylvania and New York.

SPEAKING OF NEW TELEVISION STATIONS: WFTI-TV ch. 54 in Poughkeepsie, NY began operation on April 19.

APPLICATIONS FOR NEW TELEVISION STATIONS:

ch. erp	HAAT	City/State/ Applicant
22	19.2 1929	Cotati, CA; Rural California Broadcasting Corporation
36	5000 469	Toledo, OH; Toledo Ohio TV Inc.
20	5000 1731	Lexington, NC; Koinonia BC'g.
69	4755 1925	San Diego, CA; Local Service Television, Inc.
7	170.2 845	Bozeman, MT; New West Broadcasting, Inc.

APPLICATIONS FOR FACILITIES CHANGES
 WKOW-TV, ch.19, LaCrosse, WI; ERP to 400 kw.
 KTUX, Rock Springs, WI, ch. 13; ERP to 316 kw, HAAT to 1142'; TL 8.1 mi SW of Rock Springs.

CONSTRUCTION PERMITS GRANTED FOR NEW TV

ch	erp	HAAT	City/State/Applicant
20	5000 1088		Denison, TX; Broadcast Affiliates, Inc.
41	3845 1522.1		St. Cloud, MN; L.E.O. BC'g
62	2547 704		Fayetteville, NC; Fayetteville-Cumberland Telecasters
45	1600 189		Lawton, OK; Great Plains Country Television BC'g Corp.

FACILITIES CHANGES GRANTED
 WZTV, Nashville, TN, ch.17 erp to 2240 kw.
 KNAZ-TV, Flagstaff, AZ; ch.2; erp to 100 kw

CALL LETTERS APPLIED FOR-NEW STATIONS

ch	C.L.	City/State/Applicant
52	WTGL-TV	Cocoa, FL; Good Life BC'g, Inc.
23	WVAH-TV	Charleston, WV; West Virginia Telecasting, Inc.
42	KFCB	Concord, CA; First Century BC'g.
65	KLXV-TV	San Jose, CA; Donald B. Thomson
62	KEKR-TV	Kansas City, MO; SelectTV of Kansas City, Inc.

CALL LETTERS APPLIED FOR-EXISTING STATIONS

38	WLTC	Columbus, GA; WVEA-TV
13	WNYT	Albany, NY; WAST (which will probably be NBC affiliate by now)

CALL LETTERS GRANTED-NEW STATIONS

24	WSJN-TV	San Juan, PR; JEM Communications
24	KNLC	St. Louis, MO; New Life Evangelistic Center, Inc.

CALL LETTERS GRANTED-EXISTING STATION

26	WAGT-TV	Augusta, GA; WATU-TV
----	---------	----------------------

FIRST BILINGUAL BROADCAST IN THE U.S.A.
 While the FCC is considering using an extra audio carrier in the television channel for a dual-language broadcast, KWHY (TV) tried something different. While broadcasting the movie "Patton" on its SelectTV service in English on July 5, KLVE (FM) broadcast the Spanish version of the audio synchronized with the video on KWHY. (which operates on ch. 22 in Los Angeles, California)

CHANGES IN TELEVISION TABLE OF ASSIGNMENTS
 Middleton, Mass. add 62z
 Muncie, Ind. delete *61-; add *17+ (WIPB, educational station on ch. 49 in Muncie, applied for this change in hopes of changing from ch. 49, which is a commercial assignment, but later abandoned their plans to change because of their financial state.)

MORE ON PBS PLANS FOR SUBSCRIPTION TV
 In the PBS annual meeting in Cincinnati last July, executives voted to let PBS proceed with the development phase of a payable service called PBS/CABLE (formerly Public Subscriber Network). This will be a "grand alliance" between public television stations, and arts & educational institutions. Services will be made available thru local cable services (BROADCASTING, 7/6/81)
 FAJARDO, PR: WSTE-TV finally won a 20-year court fight to build a TV station here. They originally filed their application in June, 1981. WAPA-TV in San Juan had been giving them opposition. (BROADCASTING, 7/6)

MORE ON TELETEXT: CBS and Telidon Videotex Systems delivered their teletext standards proposal to the FCC on July 21. This is a modification of an earlier CBS proposal after a compromise was reached between CBS, Telidon, AT&T, and Antiope. The United Kingdom Teletext Industry Group, which pro-

(TELETEXT, continued.) duced the British Ceefax/Oracle system, also submitted a set of proposed standards and condemned the CBS standards. Telidon is now the official teletext system in Canada. CBS, which previously asked the FCC to assign scan lines 15 and 16 for teletext use, is now asking for lines 10 thru 14 also, on the condition that it would not interfere with normal TV reception. The new CBS proposal also asks for use of lines 17 and 18, which are presently used for remote control test signals. The FCC had been considering the possibility of dropping the test signal requirements, which would leave those lines free. (BROADCASTING, 7/27)

MORE ON SPANISH STATIONS IN THE UNITED STATES
 This is from Tracy Wood, Hillsboro, Oregon: "Spanish language TV has two dimensions in the US. The first and foremost is the Spanish International Network, an extension of Televisa de Mexico. The second is as-yet-unnamed network (tape) headed by WNJU. Also included in this is KEON and KBSC. According to Variety 3/25/81 this network plans a station in Chicago and is trying to affiliate WAPA-TV in Puerto Rico." (Haven't I heard of that station just recently? -wbf)

Other direct satellite affiliates of SIN

KTUV	33	Phoenix, AZ
KDTV	14	San Francisco, CA
KLOC-TV	19	Modesto, CA
KORO-TV	28	Corpus Christi, TX
KCBA-TV	35	Salinas CA (Construction Permit)
Stations that carry most or part of SIN:		
XHBC-TV	3	Mexicali, BCN
XEWT	12	Tijuana, BCN
WCUI-TV	26	Chicago, IL
XEJ-TV	5	Ciudad Juarez, Chi.
XEFE-TV	3	Nuevo Laredo
More SIN translators		
K40AC (KTVM)		Tucson, AZ
K39AB (KFTV)		Bakersfield, CA (or KMEX?)
W6LAX (WXTV)		Hartford, CT
K42AB (KWEX)		Austin, TX
SIN applications for translators		
-50--	(KWEX)	Tampa, FL
-60--	(KWEX)	Boston, MA
-55--	(KWEX)	Dallas, TX

Another Spanish translator is W62AA, New York City, which rebroadcasts WNJU-TV, ch.47. Tracy also notes that KLRK-TV, ch. 49 in Vancouver, WA will have its transmitter in Portland's West Hills, in Oregon.
 Next time a preacher says there's plenty of SIN on television, you better believe him.

LIST OF NEW STATIONS IN THIS AREA: From Andrew Smith of Dillsburg, PA comes this list of television stations which began in the past year: WTKK (ch.66 in Manassas, VA); WGCB-TV (ch.42, Red Lion, PA); WMDT (ch.47, Salisbury, MD); WVE (ch.51, Reading, PA); WHMM (ch.32 in Washington, DC) (DC's best kept secret, too! -wbf); WFMZ (ch.69, Allentown, PA)

I have received several reports from local papers about proposed low power stations. I appreciate the efforts of those who took the trouble to send them in, but the LPTV situation is such a mess right now that most of those clippings are far from the real situation as it has developed.



FM NEWS

Bruce F. Elving, Ph.D., Editor
Box 251-KSC
Kearney NE 68847, U. S. A.
"Contributions Invited"

New FM Stations Granted
CA China Lake K232AM 94.3 (KNX-FM 93.1, r Los Angeles CA translator)
CA Marina 92.7 890 h.v.; 570'; classical & jazz
FL Destin 92.1 3000 h.v.; 140'; country
FL St. Augustine 105.5 3000 h.v.; 260'
KY Vaneburg 104.9 3000 h.v.; 300'
NC Columbia 105.7 10000 h.v.; 200'; rock
WI De Pere 95.9 3000 h.v.; 300'; m
WY Douglas 99.3 810 h.v.; 530'

Deletion
PA Malvern *88.1
Facilities' Charges Granted
AK Sitka KCAW 107.0 10200 h.v.; 610'
CA Brawley KSIO 96.1 210' (50000 h.v.)
CA Mariposa KUBB 96.3 2000 h.v. (2080'), k L g (country morning, Latin afternoon, g [English] at night)
FL Avon Park (new) 106.3 2950 h.v.; 310'; dismissal of previous application; grant of new application specifying no music format
FL Tampa WJWY 100.7 610' (100000 h.v.)
IN Evansburg KADQ 94.3 2900 h.v.; 310'
IN Exonville WPSR *90.7 160' (14000)
IA Oskaola KIGC *88.7 230 wets (h); 120'
KS Concordia KUOB *88.3 130 h.v.; 77'
KS Winfield KWKS 105.5 (to go to 94.3, but is on 105.5) Stereo, r, Mutual, strict nonid "WKS."

KY Jeffersontown WJLY 101.7 1400 h.v.; 415'
LA Laplace WCKW 92.3 10000 h.v. (440')
MA Bridgewater WBIM *91.5 200 h.v.; 71' (DA)
MI Port Huron WSGR *91.3 120 (h); 14'
NH Keene WKNH *89.1 270 wets (h); 1300'
NH Newport WCNL-FM 101.7 150 h.v.; 90'
NJ Mahwah WRPR *90.3 100 wets (h); 64'
NY Brockport WBSU *88.9 8 wets h & v; 180'
NC Dunn WQTI 103.1 2700 h.v.; 325'
OH Canton WHBC-FM 94.1 48000 h.v.; 380'
OK Frederick KQFO 95.3 220' (3000 h.v.)
OK Oklahoma City KLNK 100000 h.v. (1100) TX
OK Tulsa KBEZ 92.9 100000 h.v.; 710'
OR La Grande KEOL *91.7 (from 91.9) 310; 750'
MD Middletown WMSS *91.1 910 h.v.; 69'
SD Rapid City KTEQ *88.1 750 h.v.; 720'
TX Austin KMFA *89.5

VA Front Royal WFFV 99.3 160 h.v.; 1200' (height is estimated)
VA Roanoke WPVR 94.9 180000 h.v.; 1980'
On Air in Multiplex Stereo
CA Redding KSHA 104.3
IL Columbia WCBW 104.9 g, no network
IN Indianapolis WBDG *90.9
IA Waterloo KBBG *88.1
LA Monroe KNAN 106.1, g; SCA has music
MD Berlin WDCQ 103.9 (calls 105) "OC-104" (strict), rock
MO Monros City KLCQ 106.3, k
MO Sullivan KTUF-FM 100.9, "KT-101"
WA Spokane KREM-FM 92.9 (+ Ephrata 94.3 translator)
NO STEREO:
MO Ballwin KYMC *89.9

KMFA
CAPITOL BROADCASTING ASSN., INC.
3001 N. Lamar, Suite 100
Austin, Texas 78705
6500 h.v.; 680'

AL Athens WZYP 104.3 adds Huntsville, "ZYP"
OK Bethany KJIL 104.3 adds Oklahoma City
TN Johnson City WQUT 101.5 identifies with Kingsport-Bristol, "DT-101"
SCA (+ 67 kHz)
FL Ocala WMFQ 92.7 adds SCA
IL Moline WXLN 96.9 talking farm news at times; otherwise carrier is blank
KS Liberal KSLS 99.3 adds SCA
LA Monroe KNDE-FM 101.9 no SCA [book MA North Dartmouth WUSM *91.1 talking / MN Moorhead KVOD-FM 99.9 adds SCA MN Windom KDDM-FM 94.3 adds *TX SCA MO Columbia KBIA-FM *91.3 was to have quit SCA 8-31-81
MO Kansas City KCUR *89.3 no SCA
OH Norwalk WLKR-FM 95.3 adds SCA
UT Salt Lake City KSNF 100.3 adds SCA
VA Norfolk WHRO-FM *89.5 talking book
WI Ladysmith WWIB 103.7 no SCA
Logans/NonIDs
CA Fowler KTED 96.7 FM-97
IL Anna WRAJ-FM 92.7 FM-Stereo-93, k
IL Chicago WKQX 101.1 Q-101 [no stereo, IL River Grove WRRG *88.9 G-89 (strict), r / IN Terre Haute WBOQ 107.5 Q-Country KY Lebanon-Springfield WLSK 100.9 101-FM MI Paducah WKYQ 93.3 FM-93 NY Otsego WAOP 100.9 101-FM NM Roswell KBIM-FM 94.9 FM-95 TX Amarillo KWAS 101.9 Stereo-102-FM TX Austin KLBJ-FM 93.7 FM-94 TX Corpus Christi KIDU 96.5 FM-96 TX El Paso KHEY-FM 96.3 Y-96 (vary strict) KINT-FM 97.5 Kint-98 (strict) m TX Houston KRLY 93.7 Love-94 WY Wheeling WANJ 107.5 FM-107, still m, NBC ON Thunder Bay CJSD 94.3 FM-94
Formats/Networks
AL Bay Minette WWSM 105.5 soul
AL Birmingham WZZK 104.7 AP Audio, FM-105
AZ Flagstaff KCTB 93.9 m
CA Bishop KIQO 100.7 fm (and Lone Pine 95.9 translator)
CA Chualar KUBO *90.9 e (Spanish-English)
CA Hayward KCRH *88.9 rock and talk
CA Ridgecrest KFIO 104.9 rock
CA Tracy KWGF m (Easy FM-101)
CA Visalia KONG 92.9 rg (Spanish or Portuguese gospel late evenings)
CO Denver KBPI : 105.9 progressive rock
CO Montrose KUBC-FM 94.1 k, "FM-94" (strict)
DC Washington WRQX 107.3 ABC-FM
FL Pensacola WOWW 107.3 country and rock
IL Aitona WZEN 100.3 rock
IL Belvidere WYBR 104.9 fm, Mutual, FM-105
IL Canton WBSY-FM 98.3 fm
IL Chicago WBBM-FM 96.3 r (music SCA added?)
WJLP 97.9 rp
WFEW 99.5 (no "WE-FM" slogan)
IL Jerseyville WJBM-FM 104.1 kr
IL Litchfield WSMI-FM 106.1 kr
IL Morton WTAZ 102.3 mr
IL Mount Carmel WVJC *89.1 UPI Audio
IL Murphysboro WTAO 104.9 middle of road(m)
IL Rock Island WHBF-FM 98.9 fm
IN Fort Wayne WPTH 95.1 ABC-Information
IN Kokomo WZVZ 93.5 (to go to 92.7) A
IN Michigan City WMCB 95.9 m (no silent period)
IN New Castle WMDH 102.5 AP Audio
IN Rensselaer WJCK 97.7 k[country].
IN Shelbyville WENS 97.1 r, "Stereo-97"
KS Beloit KRZJ-FM 105.5 no U, temporarily

operating stereo, spurs on 104.3 and 106.9 and without stereo with a crystal according to chief engineer, who says lightning struck. Said spurs heard 14 km away from their tower.
KS Lyons KKAT 106.1 g (not gr); also its translators in Ellsworth and Great Bend.
KY Louisville WKJJ 99.7 rock
LA Alexandria KQID 93.1 A (not RKO)
KTIZ 96.9 National Black Network (not C)
LA Bastrop KTRY-FM 94.3 soul; KJBS 100.1 rock
LA Jena KJNA 99.3 country, AP Audio
LA Jonesboro KJBB 104.9 rock and soul
LA Ruston KLPI *101.9 UPI Audio (application for 10,000 watts horizontal and vertical)
MO La Plata WXTX-FM 104.1 fm, "Extra 104," now "FM," as there is a WXTX (AM).
MI Ishpeming WJPD-FM 92.3 country
MI Zeeland WZND 99.3 also now "
MN Grand Rapids KXGR 96.7 A, no nonid
MN Little Falls WYRD 92.1 mr [FM]
MO Jefferson City KLUM *88.9 is, "Stereo 89 / NY Poughkeepsie WSPK 104.7 rp, k-104
OH Cincinnati WJVS *88.3 r, but off in summer, with WAIF *88.3 on 24 hours until Sept.
OH Marietta WCMO *89.3 pj
OH Portsmouth WPAV-FM 104.1 Mutual
OK Ada KASX 95.7 rock, FM-96
OK Henryville KHEN 99.5 country
OK Oklahoma City KLTE 102.7 CBS
OK Poteau KLUP 97.9 now all gospel
OK Pryor KMYZ 104.5 country (not rock)
OK Sapulpa KXOJ-FM 100.9 rock and gospel
OK Sulphur KSDW 100.9 country and rock
OK Tulsa WFBN 95.6 k, "K-95."
OK Attonoa KWEN-FM 98.1 m (not mak mc)
PA Pottsville WAVT 101.9 country
PA Schuylkill WILQ 105.1 country
TN Memphis WRVR 104.5 rock, "FM-104," (not "River")
TX Houston KSRN 96.5 rock, "Star-96"
TX Victoria KTXN 98.7 m, "FM-94"
TX Wichita Falls KBID 92.9 middle of the road
WI Kenosha WJZZ 95.1 rock
WI Madison WNNC *102.5 g (not gc); also for Viroquo translator
WI Middleton WQWM-FM 106.3 country
WI Milwaukee WUWM *89.7 P (not SP)
WTKT 94.5 Y, now: "FM94-KT1"
WMYX 99.1 no CBS
WBCS 102.9 no E and M
WI Racine WFNW 97.1 fm
WI Reedsburg WRDB-FM 104.9 country
WI Shell Lake WGMQ 95.3 gospel, ABC-E.

Call Letters Assigned or Changed
AR Lonoke 106.3 KWTD
CA Carpinteria 101.7 K6FT (KARP)
CA Mariposa 104.9 K285AP (not K285AV)
CA Seaside-Monterey 107.1 KM5Y-FM (KQKO)
CA San Francisco 93.3 KLHT (KYA-FM), "K-Light," probably light rock. Also affects ~~not yet assigned Pleasanton translator on 93.5.~~
CT Norwich *89.1 WBNR
GA Cumming *91.5 WVEV
GA Jesup 98.3 WSDJ (WSDJ-FM)
GA Swainsboro 103.9 WXR5-FM (h.v.; 94 feet.
IL Pocatello 93.7 KZBQ-FM (KSNM), 40000 / IL Lincoln 100.1 WLRX (WPRC-FM), \$, m
IN Terre Haute *90.5 WJMH-FM
KS Columbus 98.3 KCCU. LA Kaplan 97.7 KMDL
MO Grasonville 103.1 WBEY (WAOA)
MI Grand Rapids 97.9 WGRD-FM (WGRD-FM)
MI Kalamazoo *89.9 WSDK
MS Batesville 95.9 WBLE (WWUN), program format probably k, reversing with AM.

with stereo, spurs on 104.3 and 106.9 and without stereo with a crystal according to chief engineer, who says lightning struck. Said spurs heard 14 km away from their tower.
KS Lyons KKAT 106.1 g (not gr); also its translators in Ellsworth and Great Bend.
KY Louisville WKJJ 99.7 rock
LA Alexandria KQID 93.1 A (not RKO)
KTIZ 96.9 National Black Network (not C)
LA Bastrop KTRY-FM 94.3 soul; KJBS 100.1 rock
LA Jena KJNA 99.3 country, AP Audio
LA Jonesboro KJBB 104.9 rock and soul
LA Ruston KLPI *101.9 UPI Audio (application for 10,000 watts horizontal and vertical)
MO La Plata WXTX-FM 104.1 fm, "Extra 104," now "FM," as there is a WXTX (AM).
MI Ishpeming WJPD-FM 92.3 country
MI Zeeland WZND 99.3 also now "
MN Grand Rapids KXGR 96.7 A, no nonid
MN Little Falls WYRD 92.1 mr [FM]
MO Jefferson City KLUM *88.9 is, "Stereo 89 / NY Poughkeepsie WSPK 104.7 rp, k-104
OH Cincinnati WJVS *88.3 r, but off in summer, with WAIF *88.3 on 24 hours until Sept.
OH Marietta WCMO *89.3 pj
OH Portsmouth WPAV-FM 104.1 Mutual
OK Ada KASX 95.7 rock, FM-96
OK Henryville KHEN 99.5 country
OK Oklahoma City KLTE 102.7 CBS
OK Poteau KLUP 97.9 now all gospel
OK Pryor KMYZ 104.5 country (not rock)
OK Sapulpa KXOJ-FM 100.9 rock and gospel
OK Sulphur KSDW 100.9 country and rock
OK Tulsa WFBN 95.6 k, "K-95."
OK Attonoa KWEN-FM 98.1 m (not mak mc)
PA Pottsville WAVT 101.9 country
PA Schuylkill WILQ 105.1 country
TN Memphis WRVR 104.5 rock, "FM-104," (not "River")
TX Houston KSRN 96.5 rock, "Star-96"
TX Victoria KTXN 98.7 m, "FM-94"
TX Wichita Falls KBID 92.9 middle of the road
WI Kenosha WJZZ 95.1 rock
WI Madison WNNC *102.5 g (not gc); also for Viroquo translator
WI Middleton WQWM-FM 106.3 country
WI Milwaukee WUWM *89.7 P (not SP)
WTKT 94.5 Y, now: "FM94-KT1"
WMYX 99.1 no CBS
WBCS 102.9 no E and M
WI Racine WFNW 97.1 fm
WI Reedsburg WRDB-FM 104.9 country
WI Shell Lake WGMQ 95.3 gospel, ABC-E.

Some Abbreviations Used Here
\$ is stereo. Program codes: c classical, e ethnic, g gospel, j jazz, k country, L is Latin/Spanish, m is middle of the road or easy-listening music, p is progressive rock, r rock including easy rock, a soul.
Networks: A ABC-FM, with ABC standing for American Broadcasting Company, B National Black Network, C Columbia Broadcasting System, E ABC Entertainment, I ABC Information, M is Mutual, N National Broadcasting Company, P is National Public Radio, S Associate Press Audio, U United Press Audio, Y ABC Contemporary. SCA (67 kHz) is abbreviated t, with "X" meaning audible telemetry on all the time or machine data.

READERS' REPORTS AND COMMENTS

An error spotted by Greg Monti in the July column with WKQX Chicago used for WQXX 94.1 Sunbury PA (94-KX). PRN on SCA, he notes, is not dead yet; he's hearing it on the SCA of WEZR 106.7, with "kinda lousy 3.5 kHz quality." There are two Muzak services on satellite on Westar One, transponder 2. "Interesting that Eric Fader reported that WPEB 88.1 is on in Philadelphia, a channel 6 town! They'd better be on the same tower as WPVH (The Association of Maximum Service Telecasters has finally come out with the obvious: that the FCC made an immense boo-boo by placing the FM and VHF low TV bands next to each other with zero guard band.)" Now the FCC has apparently placed a freeze on new educational FM stations which might interfere with channel 6 TVs in the secondary coverage areas of the TVs. And I did once checking and Malvern PA 88.1, just outside Philadelphia, is deleted, never having come on the air.
Indiana's Ralph Strobel sent quite a transcript of WAIF 88.3 Cincinnati's Gaydreams, mentioning such words as "cunninglugs" and "follatio," with the announcer mentioning a lawsuit he is involved in, with the number to call for more information 961-8900. Ralph wondered if I have permission of KUCV *90.9 Lincoln to rebroadcast them on "The Beam," and indeed I do, by letter.
Translator sleuth John Jefferson found K232AAL San Luis Obispo on 94.4, not 94.3! He's also confirmed the existences of most of the other CA translators reported in this column in his travels about the state. In Colorado, KGNU *88.5 has funding problems and this Boulder station is frequently off the air.
In the Boston area, WGR-FM Manchester NH (101.1) "has been advertising intensely. I think they are trying to draw listeners from WBCN and WCOZ, the top two rock stations in Boston. WXXS, Kiss-108, still plays some disco, but it has basically become a rhythm and blues station." ... WBZ-FM 106.7 Boston was sold, with calls expected to change to WMJX.
Alaska's Mike Kohl, Homer, sent lots of information on reception of satellite TV and FM, and he's going to a seminar in Omaha on the subject. And Staten Island's Andy Blatt is busily trying to decode STV.
Two reporters sent word that WVPE *88.1 Elkhart is on the air appealing for funds to go stereo "very shortly." WWWW 106.7 in Detroit is doing well with its new country format, "whomping its only competitor, AM station WCXI (1130). ... WDET-101.9 did not publish its July program guide due to a lack of funds and Wayne State did decide shortly whether to continue to fund the station.
Mike Dalton heard a British accent announcer on 90.9, with antenna aimed NW. My suggestion is possibly Boiestown NB is on the air with 836 wets, and that is what might have skipped into Florida, aimed he was hearing a talk program on an American station, possibly distributed by the BBC.

More FM Atlas errors pointed out by Ralph Strobel: p. 89: 90.9 WDCB Glen Ellyn IL, not WDWDCB. p. 102: 100.3 WLOO Chicago is 1170 feet, not 11,700 feet. p. 81 - 95.3, not 195.3, WIXW Front Royal VA. As I did at the convention, I will make available to readers of this column advance prices on the new seventh edition FM Atlas and Station Directory, slated for publication in October. The new book will retail for \$6.95, but the advance-order price will be \$5.00 for one copy or \$4.00 for more than one copy. Add 50 cents per order book rate, or \$1.50 per book for first class mailing. The new book will be thicker than the old, containing more pages of maps and data. To qualify for the advance-order price you must order between now and before the date when you receive the renewal card, or approximately until October 1, 1981.

Also available from "FM Atlas" 4515 Avenue E, Kearney NE 68847, is our new Catalog No. 3 featuring SCA adapters and goodies, including the new \$10 Eff-Ing SCA adapter. Business is so good that I have taken on a parttime employee to do the SCA installations. David Wilson, Kent OH, says "Thanks for catalog and remarks. ... I have heard about 25 SCA stations. My location makes Cleveland and Pittsburgh areas both possible. I wrote Golden Triangle Radio Information Center of Pittsburgh. They were very surprised and requested more information on my reception. They sent much info and invited me for a visit. They say they produce programs for [SCA] stations throughout the U. S. A."

WFMQ *91.3 Lebanon TN, silent for five years, has its license renewal set for hearing. WRVU *91.1 in nearby Nashville wants to increase its facilities AND the FCC has nixed a group of Rocky Mountain broadcasters that wanted to have AM stations heard on FM translators. The FCC reasoned: "If an AM station's signal is good enough to be received at the translator, then it probably could be received directly as an AM signal within the translator's service area. Consequently, there is little need for the proposed service." And the FCC is looking favorably on allowing increased antenna heights by Class A FM stations in Puerto Rico and the Virgin Islands. They'd be allowed to go up to 1100 feet at 3000 watts, above which a station would have to reduce its radiated power. This would be in line with the FCC's permitting Class B stations there to have 25 kw at 2000 feet above average terrain.
A correspondent, Charles E. Koontz, ESH Systems, Fairfield IL, is working on a new form of FM transmission and reception, called KQZ. His proposal is to space FM channels at 143.25 kHz, maintain a 75 kHz deviation. He says the new system would be compatible with all present transmitters and receivers, but would permit FM to grow at no expense to the taxpayer. "Since I have thoroughly investigated FM channel spacings, I find that only a few tuners, for example the Technica ST-9030 or the Bogen RT-8000, can operate with present adjacent channels. The fact that such adjacent channels can be tuned in is nice to know, but in a practical sense, they are just not reliable enough to satisfy the consumer." He says, by going to these spacings problems of poor antenna front to back ratio would be minimized because many stations on today's co-channel frequencies would become adjacent channel stations to each other. More information can be had by writing to him at 104 E. Court St. 62637.

Contributors August VUD FCC-FM column: Phil Boersma, Spring Lake MI; Mike Cooper, Atlanta GA; Tom Cornell, Greentown IN; Vernon Eaton, Benton AR; John Ebeling, Bloomington MN; Bill Fahber, Bridgeton NJ; Louis Goldstein, Boston MA; Sanford H. Kirkland, III, Council Bluffs IA; Mike Kohl, Homer AK; Nick Lombardi, Atlanta GA; Frank J. Lugo, Jr., Florida State Hospital, [MO. Chattahoochee FL; W. D. Wilson, Concordia KS; John Timm, Milwaukee WI; David Wilson, Kent OH; Dr. R. E. Wood, Cape Girardeau/
Contributors this issue: Andy Blatt, Staten Island NY; Boersma; Mike Dalton, Clearwater FL; John Eddins, Austin TX; Ted Fleischer, Louisville KY; Joe Gragg, Palestine TX; Dave Hascall, Fortville IN; Bob Hempel, Manson IA; John M. Jefferson, Pleasanton CA; Kohl; Charles E. Koontz, Fairfield IL; Lombardi; George Mileon, Lynn MA; Greg Monti, Silver Spring MD; Timothy P. Noonan, Milwaukee WI; Joel H. Seguire, Norfolk VA; Leonie Sittler, Berwick PA; Andy P. Smith, Dillsburg PA; Ralph Strobel, Muncie IN; Peter V. Taylor, San Francisco CA (who heard in Monterey KEAR 106.9 translators. 94.5 was weak, most likely from Santa Cruz, white 97.7 was strong, which I assume was Salinas). Also contributing: David Wilson, Kent OH; Roger Winsor, Hobart IN, and John Zondio, Bethany OK. Much of the success of this month's column also goes to attendees at the ANARC convention in Thunder Bay and the WTFDA convention in Oklahoma City for looking over my computer list and pointing out station program and network affiliation changes, as well as stereo data. I had hoped the person in Florida who has had a disagreement with me over copyrighting of station information would have been in attendance so that we could have had an open debate. Perhaps this can occur at a future convention - a far better idea than lawsuits!

Other sources of information in this monthly column include FCC daily news releases, for which I subscribe from a private service. But it is your contributions that help to make this a useful column to your DX colleagues!

FCC-FM

MS Jackson *91.5 WWCJ
102.9 WMOJ (WZZQ), now k
MO Broomfield 97.7 KQMO
NV Rhyolite 94.9 K285AP (not K285A0)
NM Espanola 102.3 KEVR (KVB5U)
NM Ruidoso 93.5 KBVD
OR Grnata Pass 96.9 KFMJ
PA Honesdale 95.3 WDDH-FM

TN Hendersonville 92.1 WMAK-FM (WBVO)
TX Commerce 92.1 KEE KEMM
TX El Paso 93.9 KPAS (not KEZB), "EZ-FM-94"
TX Yoakum 102.3 KYOC
UT Provo 96.1 KFMV (KAYK-FM)
WV Oak Hill 94.1 WOAY-FM (WRJL)
WI Fort Atkinson 107.3 WJSJ (WFAW-FM)
WI New London 93.5 WNBK (WLH-FM)

September, 1981

NORTHERN FM-DX

Ralph Strobel, editor
2510 E. McGalliard Rd.
Muncie, Indiana 47303
Deadline: the 10th

SEPTEMBER 1981

For FM DXers in Canada, the Northwest-Central states of WA OR ID MT WY ND SD NE MN IA MO and states east of the Mississippi River and north of the Mason-Dixon Line.

LOTS OF SUMMER Es!

Bob Seybold - Bennett Rd. - Dunkirk, NY 14048

Just a short FM report, as I did not keep detailed log of FM DX lately. 6/24 Es - good opening to midwest 1000-1400 EDT. Several Denver FM'ers heard; also several Kansas, Iowa, Dakota FMers. Also one Cheyenne, WY station. 6/25 Es - Many Texas, Oklahoma, Louisiana, Mississippi, and Arkansas heard 0900-1300 EDT. 7/4 Es - Florida FMers, Jacksonville, Miami and many others 1100-1300. Some later in day to midwest, but missed most of it. My FM log stands at 972. 73's, Bob Seybold

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

12/4 tr (1980)	6/25 Es	1320 KTXT 88.1 TX Lubbock
1400 CJBK 92.7 ON London	1330 KACV 89.9 TX Amarillo	1355 KENW 89.5 NM Portales
12/5 tr	1900 unID 89.1 ?? Spanish	1900 KWMU 90.7 MO St. Louis
0100 WONO 107.9 NY Syracuse	1935 KUCV 90.9 NE Lincoln	2030 WUCF 89.9 FL Orlando
0210 WTLB 107.3 NY Utica	2033 KMJG 89.1 KS Wichita	2130 KCUR 89.3 MO Kansas City
12/6 tr	2248 KOPN 89.5 MO Columbia	6/26 Es
2100 CBCM 107.5 ON Penetanguishene	1130 KINF 91.9 KS Dodge City	1400 KXCV 90.5 MO Maryville
2118 WHHO 105.3 NY Hornell	1400 KIOS 91.5 NE Omaha	1400 KUCV 90.9 NE Lincoln
2118 WJGO 105.5 NY Oswego	7/5 Es	1806 WRMB 89.3 FL Boynton Beach
2130 WETV 103.7 NY Ithaca	1806 unID 91.5 SS Puerto Rico- new listing?	1845 unID 90.5 Jamaica-Spur Tree, w/talk about India nx. Same as above.(716)823-7404
2200 WZZG 100.9 NY North Syracuse	1850 WUSF 89.7 FL Tampa	1900 WJCT 89.9 FL Jacksonville
2300 WITF 89.5 PA Hershey	1900 WJWJ 89.9 SC Beaufort	1930 WFSU 91.5 FL Tallahassee
12/8 tr	1935 WNNF 88.5 FL Tampa	2030 WUOG 90.5 GA Athens
2100 WGET 107.7 PA Gettysburg	2130 WBCX 89.1 GA Gainesville, 10 watts	7/10 tr
12/9 tr	2130 WYFM 102.9 PA Sharon-Youngstown OH	6/21 Es
1224 CBOF 102.1 ON Brockville		1655 KTXT 88.1 TX Lubbock
12/13 tr		(Log Totals: 319)
1630 WVNO 106.1 OH Mansfield		
12/30 tr		
1800 WZPR 100.3 PA Meadville		
1805 WNIC 100.3 MI Dearborn		
1/18 tr (1981)		
2005 WGNA 107.7 NY Albany		
1/21 tr		
1800 WCMU 89.5 MI Mt. Pleasant		
1800 WMBI 90.1 IL Chicago		
5/28 Es		
2230 WVNO 89.9 LA New Orleans		

Morris Sorensen - Amaranth, MB ROH OBO
RF-2800 w/whip antenna

6/7 tr	6/12 tr	200
1601 CBWA 101.3 MB Manigotogan	0657 CBQX 98.7 ON Kenora	
6/8 Es	6/24 Es	
2135 WUCM 91.7 MI Ann Arbor	2309 KSJN 92.5 OR Klamath Falls	
2142 WFMK 99.1 MI East Lansing	6/25 Es	
2145 WLLZ 98.7 MI Detroit	2040 WKYQ 93.3 KY Paducah, "Q"	
2145 WCPT 98.7 WV Wheeling	2050 WCPC 93.3 MS Houston	
2158 WONE 88.7 OH Batavia	2053 WDRM 102.1 AL Decatur, (interesting	
2218 WSEZ 93.1 NC Winston Salem, "Z-93"	2102 WDEQ 95.1 AL Decatur coincidence!)	
2313 KMTW 96.5 ID Twin Falls, "K-96"	2105 WZZK 104.7 AL Birmingham	
2335 CFTM 101.1 BC New Westminster	2115 WQLT 107.3 AL Florence, "QLT"	
6/9 tr	6/28 tr	
0759 CBQX 98.7 ON Kenora	0107 KDUZ 97.1 MN Crookston, "Z-97 Rock"	

This will be my last report from Amaranth as I am moving to Ontario. As there is a mail strike in Canada, I will mail this from MN after attending ANARC in Thunder Bay.

NORTHERN FM DX

SEPTEMBER 1981

John J. Rieger - 529A S. 71st Street - Milwaukee, WI 53214

My first report. I never really wanted to report before because I don't have a roof top antenna, and my catches are really not all that great EXCEPT once in a while. So with a little luck (E skip), and my trusty RF-2200 w/standard whip, I've added these two impressive stations to my log which now stands at 246 heard.

7/26 Es 1455 CIOO 100.1 NS Halifax, ads, 1550 WQGN 105.5 CT Groton-New London, ads, r, jingle
rp, "C-100"

Robert Eddy - Box 338 - Newport, OH 45768
Equipment: Heath AJ-29 with stereo probe 9 at 50 ft.

6/17 tr	7/5 tr
2106 WMUL 88.1 WV Huntington, r, ID	1759 WESC 92.5 SC Greenville, wx, k
6/18 Es	7/5 Es
1932 WWUS 93.5 FL Big Pine Key, r, "US-1"	1824 KEUA 100.3 TX Pampa, death notices
6/21 Es	1838 KCOT 104.7 TX Lamesa, sports, wx
1551 KOOV 103.1 TX Copperas Cove, k	1859 KWEH 97.1 AR Camden, gospel service
1600 KANZ 91.1 KS Garden City, opera, ID	1900 KRIZ 97.1 NM Roswell, r, ID
6/28 Es	7/8 Es
1850 CBNM 90.3 NF Marystown, pgm annt- CBC	1614 WGOV 92.9 GA Valdosta, sports
1909 CKOZ 92.3 NF Corner Brook, r, "OZ-FM"	7/26 Es
1909 CHOS 95.9 NF Rattling Brook, //CKOZ	1200 WIIS 107.1 FL Key West, ID
7/4 Es	1446 WHEB 100.3 NH Portsmouth, ads
0918 KWEY 97.3 OK Weatherford, ads, k	1502 WTVL 98.3 ME Waterville, nx, wx
0932 KPAN 106.3 TX Hereford, wx	1504 WGUY 100.9 ME Brewer, ads, r
0935 KNIT 95.3 NM Portales, ad	1548 WTMS 96.1 ME Presque Isle, ads

All DX listed is a new logging. Times are EDT. Total stations heard: 1566. I had hoped to make 1600 by the end of the season, but cx will have to improve considerably. Tropo all but non existant and Es has been very poor.

Paul Mount - 471 Emerson Ave. - Teaneck, NJ 07666
Sanyo M9980 AM/FM/3 Cassette AC/Bat., whip ant.
New stations and states underlined.

5/26 Es	7/5 Es
1833 WINZ 94.9 FL Miami Beach, r, "I-95"	1912 WMAK 92.1 TN ? r, "MAK-FM"
5/27 tr	1929 unID 91.9 end Starship Earth, WSIU?
2023 WSBH 95.3 NY Southampton, r, "\$-95"	SIU address, into Ntl. Arts Review from
2121 WOOD 106.1 MA Hyannis, r	U of Kan ? (Probably WSIU Carbondale-RS)
2146 WWUU 107.1 NJ Long Branch, "The New 107"	1937 KFIN 107.9 AR Jonesboro, k, "K-Fine"
5/28 Es	1940 WABD 107.9 KY Fort Campbell, r,
1955 WPCV 97.5 FL Winter Haven-Lakeland, k	Willie Nelson contest promo
This one I missed, but my sister heard on a	1950 unID 96.1 k, Chris Lane show, KHLS?
less selective set.	2000 KLPQ 94.1 AR Little Rock, rp\$
6/18 tr	2005 KHLS 96.1 AR Blytheville, k, ARN nx
Jersey Shore, Manahawkin, Atlantic City etc	2013 KLAZ 98.5 AR Little Rock, r
(To column on right)	2015 KMOE 92.1 MO Butler, nx
Cx almost totally died 2030-2055. By chance DXer Bob Nelson called 1908 from Murfrees-	1950 unID 96.1 k, Chris Lane show, KHLS?
boro, TN and was able to confirm WMAK-FM on several songs I was hearing as he receives	2000 KLPQ 94.1 AR Little Rock, rp\$
them as a local; he also pulled WAPI-FM as we spoke.	2005 KHLS 96.1 AR Blytheville, k, ARN nx
7/12 tr	2013 KLAZ 98.5 AR Little Rock, r
2310 WKZE 104.7 MA Orleans	2015 KMOE 92.1 MO Butler, nx
7/26 Es Note: The following stations were	7/12 tr
heard while driving and later stopped along I-84:	2317 WHJY 94.1 RI Providence, m, "Joy"
1605 WLBH 96.9 IL Mattoon, m	between Hartford and Plainville, CT
1610 WLAV 96.9 MI Grand Rapids, rk	7/26 Es
1642 KGIC 102.5 MN Willmar, r, "Q-102,"	1700 KLYF 100.3 IA Des Moines, nx
"Central MN's finest"	1705 KPMH 99.7 IA Muscatine, ads
1644 unID 98.5 Sikeston JC Rodeo, KTJJ?	1710 KMGD 98.7 IA Centerville, ad
1649 WXXQ? 98.5 IL Freeport, wx by Jeff	1711 KTJJ 98.5 MO Farmington, \$, ad
Gronschmabel, nx Bob Bennis, rm, "99-FM"	1715 unID 94.1 in Fredrickton, c, Jennifer
1652 KGGO 94.9 IA Des Moines, ID	Reisinger F dj on "Sunday Classical"
I discovered this opening driving thru Hartford, while air checking WTIC-FM 96.5 and	1719 WYER 94.9 IL Mt. Carmel, r
noticing something next to it. Stopped at a gas station in Plainville from 4:20 on.	1723 KRNA 93.9 IA Iowa City, wx, r, F dj
Called Joe Fela who was hearing similar. Most of these loggings have been a result of	
tips from Joe or Richard Shaftan, Bronx, NY. Whatever I have planned is postponed when	
skip is in. If you live in NY/NJ or area, we have a trop/skip alert net; send a card	
with your name and # for the other DXers names and #s.	

Andy Bolin - 709 Lincoln Ave. - Charleston, IL 61920

I'm afraid roller coaster conventions kept me away from home all but one week in June. So here's what I got for that one week in June and for July. No 6/25 for me!

6/17 Tr @1930 WWKS PA (420); WUDQ MS (500); +most Atlanta. @2200 WWID \$/R 106.7 in Gainesville GA (450). 6/18 Tr @0145 WAMU & WPFW both DC (595); 0200 WHYY & W8AM both Montgomery AL (505); +WPMF, W-Q-XI, WBIE. @0930 WKMX AL (590). @1037 WWHK 89.7 \$/talk Columbia SC (555); 1041 WBBQ 104.3 Augusta GA (535); 1159 WRJS 106.7 Orangeburg SC (605); 1200 finally WABE 90.1 Atlanta GA (445). Later on 6/18 Es from S. FL @2030 w/WFLA, WUSF, WLEQ, WTMH & WWL. @2100 the new WUUS \$/R 93.5 Big Pine Key FL (1085). 6/20 Es 1615-1710 S. FL w/WPMI, WWL, WINZ, W-AoneA, WFLA, WMNG, WUSF. 6/21 Es 1305-1415 from FL WMCU, WTMH, W-AoneA, W-SHE, WDBO, WFIT, WUSF, WFLA, WWL, WINZ, WIRK. 7/4 Es 1115-1135 KTEP & KAMA both El Paso TX (1140). 7/5 Es 1820-1910 from TX & NM were KWJS, KACV, KXTX, KNFM, K-BAT, KENW, KMIT & KBIM. @1900 KHBQ "Q-107" \$/R is "Amarillo-Canyon" TX (840); 1901 KOMX 100.3 w/KGRO-AM sml/mono/nx Pampa TX (760); 1902 KRIZ 97.1 \$/auto R Roswell NM (1010); 1902 KOAY \$/R 92.7 Tucumcari NM (915). 1912-1930 Es from DC to LI area w/WPFW, xWLRB-WGMD, WIGO, WW-DC 101, WKCR, WNYC. 1930-2150 ALL (and I do mean ALL) Albuquerque & El Paso w/KAPE, KDKB, KMGR, KHEP, KNIX. @2030 KYKN \$/K 95.3 Grants NM (1130); 2142 KOOL \$/vx o/semi WLRW 94.5 Phoenix AZ (1365). 7/8 Es 2005-2115 FL's WMCU, WUSF, WFLA, WFTN, WSOR, WUUS & at the same time Texans KXTX, KWJS, KBAT, KMUL. 2115-2330 from NM were K-LYT, KRST, KOB, KFMG, KSNM, KAPE, KYKN (AZ)-KVWN, KCTB, KUAT, KUPD, KMGR, WQYT, KNIX. 2325-0000 FL's WAXY, WYOR & WSHE. 7/9 Es 0012 KMEQ "cameo" \$/EZ 96.9 Phoenix AZ. By 0800 most all Miami, Ft. Myers, Ft. Lauderdale - MUF top. Then an all day marathon 1015-1645 from XHGL 97.7 Merida Yuc. (1290). 2320-2350 WMCU & WTMH. 7/10 Es 0945-1100 KQIX 93.1 Grand Jet. CO (1070). Later 2000-0000 Tr w/WDJC, WENN, WZZK, WQ-EZ all Birmingham (430). 7/12 Tr @0100 CFPL 95.9 London ON (435). 7/13 Es 2125-2205 from UT was KZAN, KWHO, KBYU, KAYK. @2130 KTAZ \$/K 93.5 Riverton WY (1085). 7/14 Es 0014 KOLL WY. 7/17 Tr @0000 from Minneapolis WAYL, KTCR, KRTS, KEKY. 0030 KESD 88.3 Brookings SD (560); 0100 KCLD 104.7 St. Cloud MN (515); 0130 xWLIH now "K-93" WNBK 93.5 New London WI (325). 7/22 Es 0930-1010 WMCU, WUSF, WNNF. 1005-1045 KRVS 88.1 Lafayette LA (685). 1050-1150 from TX was KETR, KIXS, KUHF, KPFT, KYND, KITY, KEXX & KIOU. 7/24 Es 0915-1005 WMCU, WTMH, WWL, WNNF, WFLA, WLEQ. 1010-1120 from CO was KGRE, KFKZ, KBVL, KGFR, KROW, KSPZ, KILQ, KKFM, KCCT, KRAI, KREX, KQIX. 1115-1205 from UT was KZAN, KBYU, KWHO, KALL, KRSP. 7/25 Au 0930-1010 mostly the WI net. 1750-1845 strong but all noise. 7/26 Gw 0200 WKWX "K-93" \$/R 93.5 Savannah TN (300). Later on 7/26 INTENSE Es 1400-1635. @1400 WGAO 88.3 mono/R (seems to get out well for 120 watts) Franklin MA (900); 1423 WATD \$/R 95.9 Marshfield MA (930); 1424 WGNA \$/K 107.7 Albany NY (780); 1500 finally got an ID from "KZ-104" WKZE \$/R 104.7 Orleans MA (975). Some relogs were WH-JY, WBRU, WKCI, WAAF, WRLM, WJFD, WMYS, WCIB, WRB, WX-KS, WEEI, W-BCN, WBZ, WJUL, WLNH, WOKG, WRUM, WBGW, WMGX, WGAN, WIGY, WBLM, WABX, WHWB, WXLQ, WAER, CIOO + lots of unIDable CN's. 7/30 Tr 0030 WJFR & WJMI both Jackson MS (530). @0800 +W-LIN, WQST, WKYV & KNOW. Jackson never faded down all day. @2000 KWEZ "Everything is beautiful at "EZ-104" 104.1 \$/EZ/NBC nx Monroe LA (535). 7/31 Tr (cont.) 0000-0600 Little Rock very strong w/KSSN, KLAZ, KKYK also KNOW, KWEZ, WKYV. @0645 KNAN \$/K "106-FM" 106.1 Monroe LA. 0710 my first class A from LA by Tr KCTO \$ "gospel 103" 103.1 Columbia LA (560); 0713 KYEA \$/soul 98.3 West Monroe LA (535); 0730 xKRIL now "Q-99" KLBQ 99.3 El Dorado AR (505).

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

Lunar eclipse induced Es? Sounds rather improbable, but in this age of discovery, it could be plausible. Let me state my observations. During the evening hours of July 16 prior to the lunar eclipse, the TV & FM bands were devoid of Es, but tropes were good. Not a trace of any Es or unusual reception was noted from 9:35 to 11:30 CDT. I was playing around the band and checking to see if any new tropes stations could be logged. The lunar eclipse, which began about 9:20 CDT had just passed maximum about the time I turned off my FM set (11:30 or so). Was getting ready for bed and, as one final gesture to the hobby, I turned on a TV set to check TV tropes at 11:40 CDT. Lo and behold, noted Es op-Channels 2, 3 & 4, so I went back down to the FM sets. Sure enough, a short session of FM Es was noted from the state of Washington (note relogs). Reception was spotty, signals varied greatly and covered the lower half of FM band only. The skip lasted no more than 15 minutes at the FM frequencies. Since it is rather unusual to catch FM Es so late in the evening, I therefore raise the possibility that the lunar eclipse may somehow have had a triggering effect for the Es opening.

Now on to the loggings for the month of July. All are CST, with new underlined.

* Continued on next page *

From Bloomington, MN (main) location: 7/8 Es 2035 KMGV 106.9 TX Conroe, g 2038 KOUL 103.3 TX Sinton-Corpus Christi, k, "Cool Country" 2041 XHRR 102.5 TAM Reynosa, g 2001 KFTM 92.3 TX El Paso, k 2055 XHNA 105.9 TAM Matamoros 2130 KVMV 96.9 TX McAllen, g 2207 KGRD 103.9 NM Las Cruces, "FM-104" 2239 XHPX 98.3 CHI Ciudad Juarez 7/16 Es 2342 KREM 92.9 WA Spokane 2349 KZUN 96.1 WA Opportunity

From Prosit, MN summer cabin location: 7/1 Es (Aurora induced) 2253 CKO-6101.9 AT Edmonton, all nx 2255 WGAN 102.9 ME Portland 2501 CIBK 97.3 AT Edmonton, "K-93" 2302 CBX 93.3 AT Edmonton 2305 WOKQ 97.5 NH Dover-Portsmouth 2306 CKO-5103.1 AT Calgary 7/1 tr 2359 KPAT 97.3 SD Sioux Falls, r 7/4 Es 1030 KDKT 93.3 MT Missoula, "XT-93" 1123 KWHO 93.3 UT Salt Lake City, Big Band 1204 KLYQ 95.9 MT Hamilton, in \$ 7/18 Es 1743 WYYD 96.1 NC Raleigh, m 1745 WQSM 98.1 NC Fayetteville, r, "Q-98" 1746 WBSL 97.3 NC Wilmington, r 1756 KUHF 88.7 TX Houston, talk on SCA On 7/1, I also had unidentified Canadian stations (all classical music) on 99.3, 100.3 and 101.5 with very strong signals. That's it from this end. Regards, John

Richard Reese - 421 Marion St. - Jersey Shore, PA 17740

7/4 Es 0858 KPFT 90.1 TX Houston, ID 0858 KUHF 88.7 TX Houston, j 1110 WWL 93.9 FL Miami Beach, r 1113 WSGF 95.5 GA Savannah, ad 1114 WQTK 99.1 FL Jacksonville, ad 1115 WFLA 93.3 FL Tampa, ad 1117 WJAX 95.1 FL Jacksonville, r 1120 WKES 101.5 FL St. Petersburg, g 1129 WPUZ 93.7 FL Ocala, m 1135 WINZ 94.9 FL Miami Beach, r, "I-95" 1136 WEDR 99.1 FL Miami, r 1142 WJTZ 96.3 GA Albany, ad 1145 WDBA 107.3 FL St. Petersburg, ad 1148 WKZA 105.5 FL Sarasota, g 1153 WHOO 96.5 FL Orlando, r 1155 WDMG 99.5 GA Douglas, area ID 1155 WQTK 99.5 FL St. Petersburg, k 1157 WIRK 107.9 FL West Palm Beach, ad 1200 WKGC 90.7 FL Panama City, ID 1206 WKVE 92.7 FL Green Cove Springs, k 1840 KPTT 91.7 TX Dallas, g 1847 KGBI 89.3 TX Dallas, g 1850 KZEW 97.9 TX Dallas, r 1854 KRAV 96.5 OK Tulsa, wx 1855 KSPI 93.9 OK Stillwater, ad 1859 KSYN 92.5 MO Joplin, contest 1905 KICT 95.1 KS Wichita, r, "T-95" 7/5 Es 1732 WMCU 89.7 FL Miami, g 1735 WSWN 93.5 FL Belle Glade, r 7/5 Es 1740 WINZ 94.9 FL Miami Beach, r, "I-95" 1745 WHUM 94.3 FL Marathon, m 1750 WWL 93.9 FL Miami Beach, r 1758 WQTK 99.5 FL St. Petersburg, ad 1758 WATA 97.3 FL Miami, r 1812 WHYI 100.7 FL Ft. Lauderdale, r 1818 WWOZ 90.7 LA New Orleans, comm. pgr. 1835 WFSU 91.5 FL Tallahassee, FL panhand. 1839 WCVU 94.5 FL Naples, m 1844 WPCS 89.7 FL Pensacola, k 1850 WPAF 92.5 FL Panama City, k 1852 WMTM 93.9 GA Moultrie, ad 1857 WBLX 92.9 AL Mobile, pr 1903 WLCA 95.9 GA Valdosta, k 1909 WNDL 95.1 AL Huntsville, k 1910 WQTD 93.7 MS Biloxi, r 1925 WQUE 93.3 LA New Orleans, r 1927 KTRY 94.3 LA Bastrap, pr 1928 WKQS 99.1 FL Boca Raton, pr 1931 KZZQ 94.3 LA Galliano, m 1940 WIRK 107.9 FL West Palm Beach, k 1950 WOWW 107.3 FL Pensacola, ID 1955 KEYN 103.7 AR Wichita, ID 1956 KCVN 103.9 KS Pochontas, ID 1958 KIKK 95.7 TX Houston, k, "Kick" 1959 KBEZ 92.9 OK Tulsa, m 1959 KOAX 105.3 TX Dallas, m 2000 KUMR 88.5 MO Rolla, ID 2003 WBAH 91.7 AL Decatur, g 2011 WJMI 99.7 MS Jackson, ID

/ Continued Next Page /

7/5 Es			
2013 KMQJ	102.1 TX	Clear Lake City, pr	
2020 KSCS	96.3 TX	Ft. Worth, k	
2022 KNUS	98.7 TX	Dallas, ID	
2024 WRKM	102.3 TN	Carthage, k	
2027 WKWV	98.1 AL	Fayette, ID	
2029 KSKG	99.9 KS	Salina, r	
2032 WZLQ	98.5 MS	Tupelo, "The Q"	
2035 WSM	95.5 TN	Nashville, "SM-95"	
2036 KESS	93.9 TX	Ft. Worth, SS	
2038 KAFM	92.5 TX	Dallas, k	
2045 WMC	99.7 TN	Memphis, r	
2046 WLVS	94.3 TN	Germantown, BB	
2058 KSYN	92.5 MO	Joplin, town ID	
2101 KTTT	94.7 MO	Springfield, k	
2120 KISR	93.7 AR	Ft. Smith, r	
7/8 Es			
1418 unID	94.3 ??	"The Z"	
1450 WKGC	90.7 FL	Panama City, ID	
1700 WPAC	92.5 FL	Panama City, k	
1705 WGNE	98.5 FL	Panama City, r	
1709 WWVL	93.9 FL	Miami Beach, ad	
1711 WDJC	93.7 AL	Birmingham, ID	
1727 WKXY	106.9 AL	Birmingham, r, "Kix"	
1729 WWBA	107.3 FL	St. Petersburg, m	
1735 WQUE	93.3 LA	New Orleans, r, "Q-93"	
7/8 tr			
1745 WBKZ	95.9 MD	Glen Burnie, ID	
7/10 tr			
0701 WOMP	100.5 OH	Bellaire, ID	
0705 WANJ	107.5 WV	Wheeling, k	
0706 WKWK	97.3 WV	Wheeling, ad	
7/10 Es			
0922 WTYX	94.7 MS	Jackson, r	
0925 WQMU	98.7 MS	Vicksburg, "Q-99"	
0929 WLIN	95.5 MS	Jackson, m	
0929 WBAT?	94.5 ??	pr	
0940 WQAZ	92.7 MS	Cleveland, r	
0941 KWJM	92.7 LA	Farmerville, k	
0948 WKYU	88.9 KY	Bowling Green, ID	
0950 KFXE	92.3 AR	Pine Bluff, "Foxy-92"	
0951 WKID	94.7 KY	Mayfield, wx	
0952 WMC	99.7 TN	Memphis, r	
0955 KFJN	107.9 AR	Jonesboro, nx	
0958 KEZQ	100.3 AR	Jacksonville, m, "EZ-100"	
0950 WKYQ	93.3 KY	Paducah, ID	
1015 KUMR	88.5 MO	Rolla, ID	
1016 KTTT	94.7 MO	Springfield, k	
1018 KWTO	98.7 MO	Springfield, ID	
1020 KSD	93.7 MO	St. Louis, "KS-94"	
1023 KFUD	99.1 MO	Clayton, g (not c?-RS)	
1032 KLUM	89.1 MO	Jefferson City, ID	
1046 KMBR	99.7 MO	Kansas City, ID	
1048 KTRK	106.9 KS	Topeka, ID	
1059 KTRS	107.3 ??	?	
1103 KRNA	93.9 IA	Iowa City, r	
1105 KXCV	90.5 MO	Maryville, ID	
1105 KWFC	97.3 MO	Springfield, g	
1108 KJAN	103.7 IA	Atlantic, ID	

7/10 Es			
1110 KMGK	93.3 IA	Des Moines, r	
1119 KNEN	94.7 NE	Norfolk, ID	
7/10 tr			
2130 WKYK	90.3 KY	Morehead, ID	
2204 WEKU	88.9 KY	Richmond, nx	
2359 WKFF	102.3 OH	Wilmington, ID	
7/22 Es			
0758 WAFG	90.3 FL	Ft. Lauderdale, SS	
0759 WFLA	93.3 FL	Tampa, m	
0817 WKGC	90.7 FL	Panama City, psa's	
0824 WYNF	94.9 FL	Tampa, nx	
7/23 tr			
2212 WCZY	95.5 MI	Detroit, ads	
2213 WJR	96.3 MI	Detroit, ad	
7/26 Es			
1324 WYNF	94.9 FL	Tampa, r	
1327 ZBM	89.1 BM	Hamilton, ad	
1329 WFLA	93.3 FL	Tampa, m	
1332 WCKF	95.7 FL	Clearwater, r	
1343 WJYW	100.7 FL	Ft. Lauderdale, "Joy"	
1345 WWBA	107.3 FL	St. Petersburg, m	
1347 WKES	101.5 FL	St. Petersburg, g	
1356 WNFQ	94.3 FL	Lake City, ID	
1358 WCVU	94.5 FL	Naples, m	
1401 WDAX	95.3 GA	McRae, ID	
1409 WDTZ	100.3 FL	Orlando, ID	
1419 WPFM	107.9 FL	Panama City, r	
1421 WJCT	89.9 FL	Jacksonville, m	
1423 KZKR	96.7 AR	Ozark, town ID, "K-97"	
1510 WQQT	93.3 PR	Ponce, SS mx, 1600+	
1510 unID	93.5 ??	SS	
1512 WPID	95.7 PR	Rio Pedras, ment. PR	
1520 WQID	93.7 MS	Biloxi, ad	
1523 KSTP	94.5 MN	St. Paul, town ID	
1559 WENC	88.3 WI	Menomonie, ID	
1604 unID	105.5 ??	FF	
1606 KQRS	92.5 MN	Golden Valley, ID	
1612 WUOA	95.7 AL	Tuscaloosa, ID	
1628 ZBM	89.1 BM	Hamilton, m, "Zed-Beta"	
1629 unID	89.1 ??	FF	
1647 ZFB	94.5 BM	Hamilton, ad	
1700 KWMU	90.7 MO	St. Louis, town ID	
1705 KIOS	91.5 NE	Omaha, ID	
1708 KKEZ	94.5 IA	Ft. Dodge, town ID	
1711 WOI	90.1 IA	Ames, c	
1716 KEZO	92.3 NE	Omaha, r, "Z-93"	
1717 WEAT	104.5 FL	West Palm Beach, ad	
1717 KROA	95.7 NE	Grand Island, g	
1718 KMGK	93.3 IA	Des Moines, r	
1739 WOVV	95.5 FL	Ft. Pierce, ad	
8/2 tr			
0915 WRKI	95.1 CT	Brookfield, r, "I-95"	
8/4 MS			
0600 WKZW	93.3 IL	Peoria, ID	
8/4 tr			
1059 WMO	102.1 NC	Reidsville, g	
1146 WLVE	93.7 CT	Hartford, SS	
1239 OKO	1106.9 ON	Ottawa, wx	

Reception of Puerto Rico on 7/26/81 was nice. The mode of propagation was definitely 1 Es, since WKAQ-TV was in for more than a half hour. I didn't know single hop could reach that far. How far can it? I probably will never get them again. I hope Aug. brings a TV 13 Es!!

Many congratulations to the above DXer for logging Puerto Rico and Bermuda! These are indeed stations rarely heard. How many noticed Paul Traska's reception of a 10 watter from Gainesville, GA? This also, is a rare occurrence. In previous years, Vernon Eaton of Benton, AR heard a Traverse City, MI 10 watter, while Andy Bolin of Charlesto IL logged a Rapid City, SD 10 watter. DXers do make history. RS

7/10 Es			
1110 KMGK	93.3 IA	Des Moines, r	
1119 KNEN	94.7 NE	Norfolk, ID	
7/10 tr			
2130 WKYK	90.3 KY	Morehead, ID	
2204 WEKU	88.9 KY	Richmond, nx	
2359 WKFF	102.3 OH	Wilmington, ID	
7/22 Es			
0758 WAFG	90.3 FL	Ft. Lauderdale, SS	
0759 WFLA	93.3 FL	Tampa, m	
0817 WKGC	90.7 FL	Panama City, psa's	
0824 WYNF	94.9 FL	Tampa, nx	
7/23 tr			
2212 WCZY	95.5 MI	Detroit, ads	
2213 WJR	96.3 MI	Detroit, ad	
7/26 Es			
1324 WYNF	94.9 FL	Tampa, r	
1327 ZBM	89.1 BM	Hamilton, ad	
1329 WFLA	93.3 FL	Tampa, m	
1332 WCKF	95.7 FL	Clearwater, r	
1343 WJYW	100.7 FL	Ft. Lauderdale, "Joy"	
1345 WWBA	107.3 FL	St. Petersburg, m	
1347 WKES	101.5 FL	St. Petersburg, g	
1356 WNFQ	94.3 FL	Lake City, ID	
1358 WCVU	94.5 FL	Naples, m	
1401 WDAX	95.3 GA	McRae, ID	
1409 WDTZ	100.3 FL	Orlando, ID	
1419 WPFM	107.9 FL	Panama City, r	
1421 WJCT	89.9 FL	Jacksonville, m	
1423 KZKR	96.7 AR	Ozark, town ID, "K-97"	
1510 WQQT	93.3 PR	Ponce, SS mx, 1600+	
1510 unID	93.5 ??	SS	
1512 WPID	95.7 PR	Rio Pedras, ment. PR	
1520 WQID	93.7 MS	Biloxi, ad	
1523 KSTP	94.5 MN	St. Paul, town ID	
1559 WENC	88.3 WI	Menomonie, ID	
1604 unID	105.5 ??	FF	
1606 KQRS	92.5 MN	Golden Valley, ID	
1612 WUOA	95.7 AL	Tuscaloosa, ID	
1628 ZBM	89.1 BM	Hamilton, m, "Zed-Beta"	
1629 unID	89.1 ??	FF	
1647 ZFB	94.5 BM	Hamilton, ad	
1700 KWMU	90.7 MO	St. Louis, town ID	
1705 KIOS	91.5 NE	Omaha, ID	
1708 KKEZ	94.5 IA	Ft. Dodge, town ID	
1711 WOI	90.1 IA	Ames, c	
1716 KEZO	92.3 NE	Omaha, r, "Z-93"	
1717 WEAT	104.5 FL	West Palm Beach, ad	
1717 KROA	95.7 NE	Grand Island, g	
1718 KMGK	93.3 IA	Des Moines, r	
1739 WOVV	95.5 FL	Ft. Pierce, ad	
8/2 tr			
0915 WRKI	95.1 CT	Brookfield, r, "I-95"	
8/4 MS			
0600 WKZW	93.3 IL	Peoria, ID	
8/4 tr			
1059 WMO	102.1 NC	Reidsville, g	
1146 WLVE	93.7 CT	Hartford, SS	
1239 OKO	1106.9 ON	Ottawa, wx	

Michael L. Hogan - 13910 Chippewa Avenue - Burnham, IL 60633

7/26 Es 1545 WPLM 99.1 MA Plymouth 7/26 Es 1605 WFUV 90.7 NY New York

The two catches above bring log total to 299. This particular opening found strong CCI throughout the TV band. For example, local WMAQ-5 was completely covered by WCVB-5 in Boston at one point by simply moving the rabbit ears towards the NE. 73's Mike

David J. Nieman - 12284 Nice Rd. - Akron, NY 14001

Equipment: Sansui G-8000, Winegard Antenna w/T Rotor at 27 feet.

6/25 Es			
1300 KTEZ	101.1 TX	Lubbock	
1310 KTXB	88.1 TX	Lubbock	
1315 KOSU	91.7 OK	Stillwater	
1333 KACV	89.9 TX	Amarillo	
1400 KENV	89.5 NM	Portales	
1412 KOMX	100.3 TX	Pampa	
1425 KOTZ	93.1 TX	Amarillo	
1500 KHCC	90.1 KS	Hutchinson	
6/26 Es			
1140 KCFR	90.1 CO	Denver	
1155 KSTC	88.3 TX	Keene	
1158 KETR	88.9 TX	Commerce	
1200 KCBI	89.3 TX	Dallas	
1204 KVTT	91.7 TX	Dallas	
1212 KAFM	92.5 TX	Dallas	
1216 KESS	93.9 TX	Ft. Worth	
1220 KSCS	96.3 TX	Ft. Worth	
1227 KWEE	97.1 AR	Camden	
1230 KMEZ	100.3 TX	Dallas	
1234 KLAJ	101.5 OK	Lawton	
1244 KMGC	102.9 TX	Dallas	
1246 KVIL	103.7 TX	Dallas	
1248 KRAV	96.5 OK	Tulsa	
1254 KWEE	97.3 OK	Weatherford	
1305 KXLS	99.7 OK	Alva	
1316 KEBC	94.7 OK	Oklahoma City	
1323 KICT	95.1 KS	Wichita	
1324 KWLS	93.1 KS	Pratt	
1331 KMUV	89.1 KS	Wichita	
6/29 Es			
1343 WKGC	90.7 FL	Panama City	
7/2 Es			
0100 unID	88.3	Antenna WNW. All CBC net.	
0101 unID	90.7	No ID's. CBL Toronto went	
0102 unID	91.9	off. At 0110 these were	
0104 unID	92.7	still on when the Es went	
0105 unID	95.7	out at 0130.	
0115 CJAY	92.1	AT Calgary	
7/5 Es			
1801 WRMB	89.3 FL	Boynton Beach	
1812 WJAI	97.3 FL	Miami	
1815 WRMB	97.9 FL	Palm Beach	
1837 WKBF	92.1 FL	Macclenny	
(New underlined - Time is EDT)			

1395 1843	Es	107.3 FL	St. Petersburg	1070
1395 1946	Es	95.7 FL	Clearwater	1060
1070 1957	Es	95.5 GA	Savannah	780
1340 1959	Es	94.9 FL	Tallahassee	935
1450 2015	Es	93.9 GA	Moultrie	875
1275 2021	Es	92.5 FL	Panama City	950
1340 2033	Es	106.7 AL	Enterprise	905
1045 2132	Es	89.3 FL	Pensacola	975
2135	Es	90.7 LA	New Orleans	1090
1375 7/5	Es			
1215 2201	Es	90.9 WV	Morgantown	245
1130 7/8	Es			
1200 1115	Es	89.1 ??	Comm. SS w/EZ r	
1200 1130	Es	89.7 FL	Miami	1200
1200 7/10	Es			
1215 0945	Es	94.9 AL	Mobile	995
1240 1033	Es	90.1 MS	Senatobia	840
1000 1040	Es	89.3 TN	Memphis	810
1200 1045	Es	90.1 OK	Edmond	1105
1190 1050	Es	90.3 MO	Buffalo	830
1200 1105	Es	88.9 MO	Jefferson City	760
1200 1110	Es	92.5 MO	Joplin	925
1020 7/12	Es			
1160 2058	Es	100.1 WV	Morgantown	245
1150 7/21	Es			
1115 0142	Es	100.7 PA	Allentown	230
1050 0227	Es	106.9 NJ	Camden	275
1100 7/22	Es			
1050 0957	Es	89.1 LA	New Orleans	1090
950 0958	Es	89.9 LA	New Orleans	1090
1015 1015	Es	93.3 LA	New Orleans	1090
1031 1031	Es	88.1 LA	Lafayette	1130
7/23 tr				
1013 7/25	Es	99.3 PA	Franklin	120
7/25 tr				
0132 7/25	Es	89.3 OH	Cleveland	200
7/25 Au		1030-2330,	but no ID's.	
7/26 Es				
1431 1524	Es	88.1 SC	Sumter	615
1790 1700	Es	95.7 PR	Rio Piedras,	1790
1200 I	Es	think this is a club record for DX.		
1165 1700	Es	89.1 BM	Hamilton	1000
905 7/26	Es			
2103 2103	Es	88.3 MD	Elkton, s/off	270

Richard E. Wood, Ph.D. - 1922 Rampart St. - Cape Girardeau, MO 63701

7/8	Es	2155	KTXT	88.1	TX	Lubbock, p DJ show, promos	800
7/9	Es	0854	WTMI	93.1	FL	Miami, Haydn c; again noted 1430	960
		0855	WMCU	89.7	FL	Miami, FL wx	960
		0900	WHOO	96.5	FL	Orlando, ID "WHOO-FM, FM-96, WHOO-FM," m	820
		0916	WVFM	94.1	FL	Lakeland, "Community VFM-VIP awards," m	800
		1455	WSWN	93.5	FL	Belle Glade, FL Net nx, k	900
7/10	Es	0828	WPAT	93.1	NJ	Paterson, pasta ads, "WPAT FM-93," m	850
		0830	WVDE	96.5	PA	Philadelphia, nx, medical talk, guests	800
		0835	WPST	97.5	NJ	Trenton, live requests, oldies, wx	810
		0836	WALK	97.5	NY	Patchogue, Long Island wx, clambake ad	880
		0846	WEVD	97.9	NY	New York, flavorful Yiddish, requests for Klein, Kaplowitz, Lieberman, Kiebowitz	850
		0851	WPLM	99.1	MA	Plymouth, UPI world nx 0900	1030
		0857	WQRC	99.9	MA	Barnstable-Hyannis, local nx, wx	1025
		0906	WSUL	98.3	NY	Monticello, wx from "Window on Broadway" (in Monticello, not NYC!), k	850
		0909	WDST	100.1	NY	Woodstock, PS discussion, booming	875
		0915	WBRK	101.7	MA	Pittsfield, "K-101" jingle, (not K-102 as in FM ATLAS)	980
		0922	WABK	104.3	ME	Gardiner-Augusta, "\$-ABK," r, DJ	1140
		0926	WKGW	104.3	NY	Utica, "KG-104," state employment report, k	850
		0940	CBF-6	93.7	PQ	Lac-Mégantic, FF interviews	1160
		0942	KENW	89.5	NM	Portales, NPR promo, surprise turn in Es after solid New England opening.	850
		0950	CJBC	96.5	ON	Penetanguishene, (CJBC-19), "Ici R. Canada," FF wx	725
		0956	CBOF	98.1	ON	Cornwall, (CBOF-6), FF nx from Ottawa, nx of Outaouais area, Gatineau, nxroom not on strike	930
		1001	CFQM	92.5	PQ	Montréal, EE nx, CBS remotes	1010
		1014	KQTX	93.1	CO	Grand Junction, r	1040
		1020	KFKZ	96.1	CO	Greeley, list fees for small sale items from individuals (which are free on most other stns), "The Spirit of 96," g	860
		1020	KQSW	96.5	WY	Rock Springs, k, "Q-96"	1090
		1025	CITI	92.1	MB	Winnipeg, CITI T-shirts for \$24.99 (expensive!), futurology feature	970
		1027	WYRQ	92.1	MN	Little Falls, MN--new state, #41, and long wanted; auto m	670
		1041	KTAK	93.5	WY	Riverton, Christian supplies ad, r	1075

+++++

Fred McCormack - 135 Prairiewood Drive - Fargo, ND 58103
Equipment: Heath AJ-1600, Winegard antenna

7/24	Es	0937	KTFM	102.7	TX	San Antonio	1210
		0944	KBIM	94.9	NM	Roswell	1015
		0955	KIXS	93.3	TX	Killeen, "Kicks"	1089
		1000	KOKE	95.5	TX	Austin, "Coke"	1150
		1002	KTEP	88.5	TX	El Paso, PBS traffic report	1165
		1030	KQXY	94.1	TX	Beaumont, k	1170
		1042	KTYL	93.1	TX	Tyler, "East TX FM"	1105
		1044	KYKS	105.1	TX	Lufkin	1080
		1047	KNUE	101.5	TX	Tyler, el, "FM-101"	1005
		1109	WPLX	99.5	TX	Ft. Worth, k	975
		1110	KMGN	101.3	TX	Sinton, "C-101"	1300
		1111	KMGQ	102.9	TX	Dallas, "Magic"	975
		1130	KOOV	103.1	TX	Copperas Cove, "Country mx radio"	1090
8/7	Es	1849	KIOK	94.9	WA	Richland, "OK-95"	1065
		1850	KZUN	96.1	WA	Opportunity, r	960
		1854	KLLE	101.1	OR	Portland, r	1235
		1856	KGLK	94.1	WA	Clarkston, "\$-94"	960
		1858	KPQ	102.1	WA	Wenatchee	1100
		1859	KZZK	102.7	WA	Richland	1065
		1859	KRPL	103.9	ID	Moscow, "\$-104"	955
		1900	KCTV	104.5	OR	The Dalles, bad hum	1165
		1901	KXXD	106.3	WA	Richland, r	1065
		1905	KDXT	93.3	MT	Missoula,	810
						"Most music in W MT"	
		1908	KONR	97.1	OR	Portland, traffic report	1235
		1914	KRSE	98.3	WA	Yakima, el	1120
		1916	KWIC	100.3	WA	Moses Lake, k	1055
		1928	KATS	94.5	WA	Yakima, "cats"	1120
		1931	KUEZ	104.1	WA	Yakima, el	1120
		1934	KBIQ	105.3	WA	Edmonds	1195
		1939	KPLZ	101.5	WA	Seattle, traffic report	1195
		1942	KZOK	102.5	WA	Seattle, r	1195
		1951	KIXI	95.7	WA	Seattle, traffic report	1195
		1958	KICN	98.9	WA	Spokane	965
		2000	KBRD	103.7	WA	Tacoma, el	1200
		2001	KEZE	105.7	WA	Spokane, el,	965
						"Key-Z listening"	
		2002	KWA	106.9	WA	Bremerton,	1205
						"Radio for Puget Sound"	
		2007	KNBQ	97.3	WA	Tacoma, "The Q"	1200
		2010	KYYX	96.5	WA	Seattle, r	1195

This was the first really good Es from WA heard since I moved to Fargo. Exceptional signals for over an hour.

+++++

1226	KAGV	89.9	TX	Amarillo	1043	WDWS	97.5	IL	Danville, m
1238	KYTX	98.7	TX	Amarillo	7/26	tr	(The SX-3400 takes over w/a bang!)		
1238	unID	98.9	??	"Rocky-99" PTA TX OK CO	0230	WLSR	104.9	OH	Lima, m\$
1245	KZLO	100.7	CO	Pueblo	7/26	Es			
1300	KRDO	95.1	CO	Colorado Springs	1158	WRMB	89.3	FL	Boynton Beach, g\$
1300	KYEZ	93.7	KS	Salina	1200	WAFG	90.3	FL	Ft. Lauderdale, g
1307	KQAD	99.1	CO	Windsor, "Quad-99"	1416	WCGY	93.7	MA	Lawrence, p
1312	KYGO	98.5	CO	Denver, \$, strong	1418	unID	92.5	??	"Wave-FM" ment. Newburyport, MA. WHAV?
1315	KOSI	101.1	CO	Denver, "You pronounce it cozy but here is how you spell it-KOSI"	1432	WHJY	94.1	RI	Providence
1334	KTCL	93.3	CO	Ft. Collins	1442	WKXA	98.9	ME	Brunswick, k\$
1335	KKKX	95.7	CO	Denver	1446	WSNE	93.3	MA	Taunton
1408	KCWC	88.1	WY	Riverton, 3000w, already rec. verie. I am the farthest to hear them.	1453	CING	107.9	ON	Burlington
1600	CJGL	94.1	SA	Swift Current, r\$, nx	1455	unID	???	??	"Kiss-108" ment. NYC
1613	KCGM	95.7	MT	Scobey	1500	CBHA	90.5	NS	Halifax
1633	KIZZ	93.7	ND	Minot	1506	WPLM	99.1	MA	Plymouth
7/8	Es	unstable	opening;	unids;	one	stn.			
2030	KBAT	93.3	TX	Midland	1541	WFAU	101.3	ME	Augusta
2050	KTXT	88.1	TX	Lubbock, rp\$	1601	WHOM	94.9	NH	Mt. Washington
2059	KYKK	94.1	NM	Humble City, rp, "2-94"	1605	CBH	102.7	NS	Halifax, nx
2200	KTEP	88.5	TX	El Paso	7/27	NS			
7/8	GW				2314	unID	91.1	c,	o/WVUB
2100	WENS	97.1	IN	Shelbyville, ex-WSVL, pwr. in., "FM-97-Let our mx do the talking"	7/28	tr			
7/10	Es				2100	WDLM	89.3	IL	East Moline
1022	KTCL	93.3	CO	Ft. Collins	2259	WAUS	90.7	MI	Berrien Springs, wx
					2302	WBYG	99.9	IL	Kankakee, rp
					7/29	tr			
					0553	WSOY	102.9	IL	Decatur, fair nx
					0615	WOSU	89.7	OH	Columbus, c, nx

+++++

Bob Zent - 1835 Fruit St. - Huntington, IN 46750

7/8	Es	1600	WYRI	102.3	FL	Melbourne	7/10	tr		
1601	WJYO	107.7	FL	Orlando + Miami	900	0000	KCKK	88.3	IA	Cedar Rapids
						0012	WRRG	88.9	IL	River Grove, 10w
						0049	KHKE	89.5	IA	Cedar Falls
						7/11	tr			
1630	WFUZ	93.7	FL	Ocala	850	2358	WDGC	88.3	IL	Downers Grove
2100	KTXT	88.1	TX	Lubbock, "The X"	1075	7/12	tr			
						0048	WROA	100.3	KY	Hopkinsville
						0050	WOKI	100.3	TN	Oak Ridge
						7/14	tr			
						0001	WLUW	88.7	IL	Chicago, 10w
						0001	WHPK	88.3	IL	Chicago, 10w
						0012	WRRG	88.9	IL	River Grove, 10w
						0048	WORT	89.7	WI	Madison
						2320	WQRP	88.1	OH	W. Carrollton, 10w
						2320	WCXL	88.7	OH	Kettering, 10w
2200	KCTB	93.9	AZ	Flagstaff, Wow!	1500	7/15	tr			
						0630	WRJA	88.1	SC	Sumter
						7/18	tr			
						0045	KBBG	88.1	IA	Waterloo
						7/20	tr			
						0619	WKYU	88.9	KY	Bowling Green

I've gained a tremendous amount of respect for my AR-1500 during the past few weeks and will probably DX exclusively with it in the future. Although the 1515 has better selectivity and stereo quieting, the 1500 seems to do better in terms of mono sensitivity and capture ratio, especially with those weak 10 watters from the Chicago area. In fact, with WPE off the air, I find I'm able to hear WUIC 88.1 nearly every night.

SOUTHERN FM DX

Danny Buntin
1312 N. Skyline
Stillwater, OK 74074
DEADLINE: 10th

SEPTEMBER 1981

For FM DX reporters from: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, MS, NC, NM, NV, OK, SC, TN, TX, UT, VA & WV.

ES SEASON BOOMS, BUSTS

The heavy Es activity of late June, early July settled down rather abruptly and since July 10th good Es openings have been few and far between. Only the 22nd and 26th came through well for the remainder of July. And as August progresses, the last days of the skip season continue to do poorly.

Not much heard on the tropics since that last great day, June 18. Even the end of an unusual rainy spell in the Oklahoma area failed to result in much of a trop boom, with all distances reported staying under 425 miles. This month's reports will show that this season has had some high points, otherwise, though.

The September-October period will bring about improved chances for some very rare Aurora dxing for the South. Why not be open minded enough to stay on the alert for it in case it really happens again? Too many missed the Au of last April. More comments on Au dxing are in the June '80 VUD and June '81 SFM.

Tim McVey, Rt.3, Box 568, Bolivar, TN 38008 - July 6 to July 27

This is my favorite kind of report because every station I have listed today has come in by E-skip. New stations are underlined. Equipment is a JVC JT-V22 tuner, Finco FM-5 ant., etc. Logs now stand at 888.

7/8 Es
1255 KRWN 92.9 NM Farmington, m
1300 KWYK 94.9 NM Astec, r
2050 KRDO 95.1 CO Colorado Springs, e
2045 KBVL 94.7 CO Boulder, c
2047 KSPZ 92.9 CO Colorado Springs, r
2049 KILLO 93.9 CO Colorado Springs
2050 KRKY 92.1 CO Castle Rock, k, ex-KMJL
2053 KHOW 95.7 CO Denver, m
2055 KOSI 101.1 CO Denver, e
2055 KVOB 99.5 CO Denver, c
2057 KAZY 106.7 CO Denver, pr
2058 KZLO 100.7 CO Pueblo, pr
2058 KADK 105.1 CO Denver, j
2059 KVMR 104.7 CO Vail, er
2100 KYNR 99.9 CO Pueblo, m
2100 KLWR 93.3 CO Lamar, m
2100 KCGY 97.9 CO Pueblo, k
2101 KAVI 95.9 CO Rocky Ford
2102 KKFM 96.5 CO Colorado Springs, r
2103 KRBJ 100.5 CO Durango, k
2105 KKCS 101.9 CO Colorado Springs, k
2112 KRQY 98.9 CO Pueblo, r "Rocky" x-KPLV
2115 KSTX 103.9 CO Canon City, me
2116 KSLs 99.3 KS Liberal, k
2124 KFNE 101.1 KS Oberlin, r
2126 KBUF 97.3 KS Garden City, k
2134 KCMC 88.1 CO Manitou Springs
2135 KBYU 88.9 UT Provo
2136 KTSC 89.5 CO Pueblo, c
2137 KCFR 90.1 CO Denver, c
2138 KEPC 90.5 CO Colorado Springs, r
2143 KGLS 92.7 CO Glenwood Springs, k
2144 KQIX 93.1 CO Grand Junction, r
2144 KRAI 93.7 CO Craig, r
2145 KALL 94.1 UT Salt Lake City, mr
2149 KRCL 90.9 UT Salt Lake City, kr
2150 KRMQ 94.9 UT Provo, r
2152 KCPX 98.7 UT Salt Lake City

7/22 Es
0804 WQDR 94.7 NC Raleigh
0805 WKJA 92.1 NC Belhaven, k

7/22 Es
0807 WITN 93.3 NC Washington, r
0810 WRNS 95.1 NC Kinston
0811 WOSM 98.1 NC Fayetteville
1143 KWYR 93.7 SD Winner
1145 KRCS 93.1 SD Sturgis, k

7/26 Es
My nice little opening into Mexico. On these stations, most talk is, of course, in Spanish, but music varies. If music is in English, it will be listed as a capital letter. If Espanol, a small letter. No \$ means the station is not in stereo.
0943 XHZM 92.5 PUE Puebla, R\$0
0944 XHFO 92.1 DF Mexico City, P
0944 XEJP 93.7 DF Mexico City, m\$ "Radio Joya"
0946 XHORO 94.9 PUE Puebla, m
0947 ?? 88.1 DF Mexico City, E\$ "Radio VIP" (new station with automated easy music. No ID, just a man saying "Where Mexico City turns for beautiful music..." CBS nx at 1000.)
0949 XBOY 89.7 DF Mexico City, c\$ "Estereomil"
0954 X--- 90.9 PUE Puebla, \$0
0955 XHRC 91.7 PUE Puebla, PR\$
1034 XHSE 93.9 JAL Guadalajara, \$
1035 XHRA 89.9 JAL " MR\$
1036 XHGE 91.5 JAL " M\$
1038 XHOY 90.7 JAL " M\$
1038 X--- 94.7 JAL " M\$
1039 XHRO 95.5 JAL " MR\$ "\$rey"
1040 XHLC 98.7 JAL " R\$ "\$99"
1455 WEZF 92.9 VT Burlington, e
1456 WMCX 93.1 ME Portland, m
1458 CJMF 93.3 PQ Quebec, r
1459 WMEH 90.9 ME Bangor
1502 CBF11 90.1 PQ Asbestos-Danville, e
1506 WMEA 90.1 ME Portland
1508 WGAN 102.9 ME Portland, k
1510 WKXA 98.9 ME Brunswick, k
1611 WBLM 107.5 ME Lewiston-Auburn, pr
1513 CBJE 107.9 PQ Chicoutimi

John Zondlo, 1802 N. Rockwell, Apt. 107, Bethany, OK 73008 CDT May 22 to July 6

Equip: Akai AT-V04 tuner, 1/2 Channel Master Stereo Probe 9 antenna. All new.
5/22 tr
0835 KACV 89.9 TX Amarillo, r
0900 KGNC 97.9 TX Amarillo, ID & b
0907 KRDF 98.3 TX Spearman, k
0911 KSLs 99.3 KS Liberal
0921 KDCK 95.5 KS Dodge City, 95-KCK
0955 KMRE 95.3 TX Dumas

5/27 Es
0911 WYCR 98.5 PA York, o/KCFO
0918 WOUB 91.3 OH Athens, bluegrass
0932 WJVS 88.3 OH Cincinnati, 170 w.
0941 WHBC 94.1 OH Canton, b

6/8 tr
0946 KSCL 107.9 TX Corsicana, k
0952 KTAL 98.1 TX Texarkana
0959 KNIF 95.3 TX Gilmer
2000 KTXU 99.3 TX Paris, auto r
2036 KOSY 102.5 AR Texarkana, r, Y-102
2050 WKYV 106.7 MS Vicksburg, KY radio, state #26
2142 KPXI 100.7 TX Mount Pleasant, r
2153 KWEH 97.1 AR Camden, k
2205 KKYK 103.7 AR Little Rock, r
2207 WQLT 107.3 AL Florence, DJ Bill Bailey
2224 KFIN 107.9 AR Jonesboro
2227 KHOO 99.9 TX Waco, r, FM 100
2232 WHRK 97.1 TN Memphis, r, K97
2242 KUCA 91.5 AR Conway, Progression 91.5
2259 KLRE 90.5 AR Little Rock
2300 WVWR 89.1 VA Roanoke, s/off (best catch of night)
2302 KTCU 88.7 TX Fort Worth, tough here
2315 KGRI 100.1 TX Henderson
2337 WAKY 94.1 AL Carrollton, Q-country

6/9 tr, cont.
0030 WJDQ 101.3 MS Meridian
0058 WBGY 93.3 TN Tullahoma
0100 KIOU 96.5 TX Corpus Christi, b
0105 KBUF 97.3 KS Garden City, Hi Plains wx
0114 KCOZ 100.1 LA Shreveport, Cozy
0300 WMBW 88.9 TN Chattanooga, asking for my report
0740 KFMV 107.9 AR Magnolia
0751 KHOK 100.9 KS Holsington
2013 KSSN 95.7 AR Little Rock, k
2046 KWQK 107.1 TX Graham, b
2054 KMCS 98.3 TX Gatesville
2127 WJVS 106.7 SC Orangeburg, g. (per Danny Buntin tip)
2200 KZZB 95.1 TX Beaumont
2217 WUSW 107.3 TN Lebanon, Nashville Sounds baseball
2301 KISS 99.5 TX San Antonio

6/20 tr
0305 WYLD 98.5 LA New Orleans
0319 WRNO 99.5 LA New Orleans
0345 KWMJ 103.3 TX Midland
0839 KQKQ 99.1 NM Clovis
0912 KENW 89.5 NM Portales, b

6/21 Es
1238 WFWA 92.1 VA Petersburg, k
1320 WFBG 98.1 PA Altoona
1328 WXLK 103.1 PA State College
1344 WVCD 97.9 PA Hazleton, b

6/24 Es
0951 XEVIP 88.1 MX Naucalpan, Radio VIP

6/24 Es
0955 XBOY 89.7 MX Mexico City, Estereo Mil
6/25 Es
1107 KENO 92.3 NV Las Vegas, r, FM92 state #27
1115 KZEE 93.5 UT St. George, b, state #28
1121 KORK 97.1 NV Las Vegas
1125 KBRE 94.9 UT Cedar City, Rock 95 FM
1129 KILA 95.5 NV Henderson, g
1138 KIOQ 100.7 CA Bishop, auto r, state #29
1216 KNEV 95.5 NV Reno, b
1228 WCZY 95.5 MI Detroit, cozy
1237 CKWW 88.7 ON Windsor, r
1249 WTCM 103.5 MI Traverse City
1251 WWRM 106.7 MI Gaylord
1257 WWCX 105.5 MI Flint
1300 WKAR 90.5 MI East Lansing
1303 CBON20 89.3 ON Thunder Bay, relay of FF CBO

1304 CBON- 88.1 ON Sault Ste. Marie, no listing of number in latest Canadian info
1305 WLEW 92.1 MI Bad Axe, auto m
1307 WJFM 93.7 MI Grand Rapids, Mellow 93
1312 WZZZ 92.7 MI Flint
1319 KSOP 104.3 UT Salt Lake City, k
1333 KRMA 102.9 ID Jerome, r Z103, state #30
1350 KNAQ 92.1 ID Rupert, Q92
1355 KUUZ 96.9 ID Nampa, end of Out to Lunch Special
1357 KBXL 94.1 ID Caldwell
1401 KBOI 97.9 ID Boise
1544 CJSD 94.3 ON Thunder Bay
1600 KIKF 94.3 CA Garden Grove
1603 WPCV 97.5 FL Winter Haven
1628 WFCJ 93.7 OH Miamisburg, g

6/26 Es
1058 WITF 89.5 PA Hershey
1100 WQED 89.3 PA Pittsburgh
1110 WBPZ 92.1 PA Lock Haven
1126 WAUP 88.1 OH Akron
1128 WNTQ 93.1 NY Syracuse
1140 WZIR 98.5 NY Niagara Falls, the Wizard
1147 WYRK 106.5 NY Buffalo, Buffalo Country
1203 GJBC17 95.5 ON Belleville, par. GJBC 860
1208 CKMF 94.3 PQ Montreal, FF, province #2

7/4 Es
0931 WCBE 90.5 OH Columbus
0943 WNFQ 94.3 FL Lake City, 94-Rock
0945 WADZ 94.3 GA Americus
0952 WDMG 99.5 GA Douglas
1030 WCKS 101.1 FL Cocoa Beach, r, CK-101
1057 WEAT 104.5 FL West Palm Beach
1105 WIRK 107.9 FL West Palm Beach, k, store remote, country-K
1110 WNGS 92.1 FL West Palm Beach, Wings 92
1115 WNNF 88.5 FL Tampa
1130 WUSF 89.7 FL Tampa

7/5 Es
1845 WZZR 95.7 MI Grand Rapids, r, AAR
1350 CKLW 93.9 ON Windsor, k
1856 WLAK 93.9 IL Chicago, b
1900 WYCA 92.3 IN Hammond, g
1901 WCGS 91.3 MI Grand Rapids
1904 WMRM 96.5 WI Milwaukee, c
1909 WUGN 99.7 MI Midland, g
1911 WFYR 103.5 IL Chicago, r, cont.....

7/5 Es
1917 WXRT 93.1 IL Chicago, r
1926 WEFM 99.5 IL Chicago
1944 WPFW 89.3 DC Washington, j
1951 WRGM 92.1 NC Jacksonville
2042 WSGF 95.5 GA Savannah, r

Some super openings this year, especially the trop opening in early June and the late Es opening in June. Log now up to 369 from 31 states, 2 provinces and Mexico. DX frustrating, tho, when compared to db's stuff. 73.

Bill Feidt, 8852-L Spiral Cut, Columbia, MD 21045 - June 26 to August 2 EST

6/26 Es
1100 KZED 93.5 KS Wellington, EZ, ID, nx, severe storm warnings
1105 KOKL 94.3 OK Okmulgee, SID "Oklahoma Sunshine, KOKL", ex KILLS
1135 KNEX 96.7 KS McPherson, w/local wx warnings.
1147 KTRO 98.9 KS Leavenworth, ID, EZ
1149 KABI 98.3 KS Abilene, lcl wx warn.
1158 KROA 95.7 NE Grand Island, w/request address
1200 KUVR 97.7 NE Holdrege, lcl spots
1215 KYNN 94.1 NE Omaha, SID, k, Bill Hoover

7/5 Es
1640 WWUS 93.5 FL Big Pine Key, Marathon spots and FL Key mentions
1645 WMUM 94.3 FL Marathon, ads, EZ
1701 WSWF 107.1 FL Lehigh Acres, r + SID

7/5 Es
2055 WQTK 99.1 FL Jacksonville, k
2102 WLWV 94.9 FL Tallahassee, b

7/6 Es
1129 WAMR 92.1 FL Venice, beautiful k
1200 WHRS 90.7 FL Boynton Beach
1214 WMCU 89.7 FL Miami, g

7/5 Es
1706 WOKD 98.3 FL Arcadia, FL net nx, sounded like telefeed; r, live from Arcadia Burger Queen--what class!
1710 WLNK 96.9 FL Fort Myers, r, "97 Rock", ad for Crown Lounge in Ft. Myers.
1729 WHOO 96.5 FL Orlando, ID
1845 WJEW 97.3 KS Topeka, r, ad
1852 KCKN 94.1 MO Kansas City, promo, lcl ads
1903 KSUC 88.3 TX Keene, lcl nx, wx + incidental call and location mentions.
1959 KWIT 90.3 IA Sioux City, promo w/cl ment.
2001 KTRP 91.1 IA Fort Dodge, wx, ID

7/26 Es
1501 CJSD 94.3 ON Thunder Bay, lcl spots
1502 unID 88.1 R. Canada French Svc; nx, ID for Toronto stn + 1110 LPRts, CBLX & CBEV; powerful, who?
1600 WHWC 88.3 WI Menomonie, ID
1630 KWIT 90.3 IA Sioux City, ID

Vernon Eaton, 82-Springhill Acres, Benton, AR 72015 (501)847-2066
Equipt.: Sony 5130, quad stack @60 ft., on rotor. 723 stations logged.

After an exciting June down here, July started off with a big bang with July 5 being one of my best Es openings to date. Es n. e. + Es s. w., I had my choice. I concentrated on AZ & NM with repeated loggings 7 to 8 hours apart there. Return of Es from the same area so strong each time was a first for me. July 6 FM dropped out with nothing noteworthy until fair trop 7-30. I was beginning to think my radio was on the blink. Due to fairly decent rains in most of the Midwest and South, I believe we will have good trop during August and September. 73.

7/4 Es
1950 WCMC 90.1 NY Greece, ID 980
1952 WCBF 90.1 PQ Asbestos, FF 1300
tr
2000 WMOT 89.5 TN Murfreesboro, ID, \$ 350
Es
1955 WXXI 91.5 NY Rochester, \$ 980

7/5 Es
1400 KDKB 93.3 AZ Mesa, ID, \$ 1080
1405 KZZP 104.7 AZ Mesa
1413 KOOL 94.5 AZ Phoenix, KD, \$ 1100
1414 KMCR 91.5 AZ Phoenix, \$
1415 KVWN 93.5 AZ Show Low, ID 1000
1416 KXTC 92.3 AZ Glendale-Phoenix, \$ 1100
1430 KANW 89.1 NM Albuquerque, ID 780
1431 KLUT 88.3 NM "
1432 KUNM 90.1 NM
1433 KIPC 91.5 NM
1845 XGFM 88.5 MOR Guernavaca, ID, SS 1070
1846 XHUA 90.1 CH Chihuahua, SS 780
1847 XHQK 91.3 DF Mexico City, SS, \$ 1050
1900 WSKG 89.3 NY Binghamton, \$ 1040
1925 WBZ 106.7 MA Boston, ID, "BZ" 1300
1928 WCOD 106.1 MA Hyannis, ID 1300
1935 WCBH 90.9 MA Boston, \$ 1300
1936 WCOZ 94.5 MA "
1937 WJTB 96.9 MA

7/5 Es
1938 WHUE 100.7 MA Boston, ID \$ 1300
1940 WBEI 103.3 MA Boston, ID \$
1941 WBCN 104.1 MA Boston, \$
1945 WCGY 93.7 MA Lawrence, ID, \$ 1250
1950 WHOM 94.9 NH Mount Washington, ID, \$1250
1955 WCMY 93.1 ME Portland, ID, \$ 1350
2001 WCNV 91.3 NY Syracuse, ID, \$ 1010
2015 WMBR 88.1 MA Cambridge, ID 200wts.1280
2105 KBYU 88.9 UT Provo, ID \$ 1140
2108 KUER 90.1 UT Salt Lake City, ID \$ 1200
2110 KRCL 90.9 UT Salt Lake City
2111 KWHO 93.3 UT Salt Lake City
2113 KCIC 88.5 CO Grand Junction, ID, 250w. 900
2115 KMSA 91.3 CO Grand Junction 900
2116 KREX 92.3 CO Grand Junction, \$
2119 KQTY 93.1 CO Grand Junction, \$
2135 KYLT 88.3 NM Albuquerque, \$, ID 780
2138 KANW 89.1 NM "
2143 KZZX 99.5 NM ID
2145 KFWC 107.9 NM
2155 KOB 93.3 NM ID
2156 KRST 92.3 NM
2157 KIPC 91.5 NM ID
2157 KUNM 90.1 NM ID
2158 KANW 89.1 NM
2159 KIYT 88.3 NM

cont.....

7/5 Es
2215 KTDB 89.7 NM Ramah 920
2216 KYKN 95.3 NM Grants, ID 900
2225 KDKB 93.3 AZ Mesa, ID 1080
2227 KZZP 104.7 AZ Mesa, ID
2228 KMLE 107.9 AZ Chandler, \$ 1090
2229 KMCR 91.5 AZ Phoenix, \$ 1100
2230 KOOL 94.5 AZ "
2231 KQYT 95.5 AZ
2232 KBBC 98.7 AZ
2232 KHBP 101.5 AZ
2233 KNIX 102.5 AZ ID
2233 KFLG 92.9 AZ Flagstaff, ID \$ 1080

tr
2325 KBID 92.9 TX Wichita Falls, ID 345
7/19 Es
0945 KWYK 94.9 NM Aztec, ID, \$ 900

7/30 tr
1935 WIL 92.3 MO St. Louis, ID, \$ k 350
1945 WBKR 92.5 KY Owensboro, ID, \$ k 360
1950 WMBW 88.9 TN Chattanooga \$ g 405
1954 KSLH 91.5 MO St. Louis 350
1955 KADI 96.3 MO St. Louis \$ r
1956 KSLQ 98.1 MO St. Louis &
2025 WRJH 97.7 MS Brandon, ID \$ g 275
2050 KTRY 94.3 LA Bastrop, ID, r 150
2055 WMOT 89.5 TN Murfreesboro, ID 350
2310 WENN 107.7 AL Birmingham, ID \$ 350

7/31 tr
2312 KMJM 107.7 MO St. Louis, ID 350
"Magic 108"
2317 KWK 106.5 MO St. Louis, ID, \$ 350

Hank Holbrook, 7211 Chestnut St., Chevy Chase, MD 20815 EDT

As the words of the song go - From the mountains to the Nation's Capital to the Chesapeake wild with DX - God bless FM DXing.

A mixed bag this time. First we took a second DX-expedition to Keyes Gap, WV and DXed from the scenic overlook there. This is located between Hillsboro, VA and Charles Town, WV on Rt. 9. The sign there says in part, "Historic Gateway through the Blue Ridge into the Shenandoah Valley.

Stations noted on July 10th during the morning hours included:
104.5 WGR PA Wellsboro, k 180
104.5 WNST OH Wooster, usually 245
Es 88.1 KBEG IA Waterloo, wx, r, strong 1035-1046
buried under WGR with mor mx. 88.3 KCKG IA Cedar Rapids, nx, talk 785

Above received on Toyota FM stereo radio, an excellent rx.

Took a weeks vacation from July 11th to our cottage at Fair Haven Cliffs, MD, overlooking the Herring and Chesapeake Bays 15 mi. below Annapolis, MD. There we use a Scott 310E FM tuner, Finco 10. element FM yagi with CDR rotor. Some trick to DX as rotor is not working properly, and I have to turn it on then climb up two sets of ladders to get to the roof and turn it myself. Stations logged and reported:

7/12 (0557-0643)

0557 WRVL 88.3 VA Lynchburg, 170 An article in the Washington Post said this station was interfering with area residents' reception of ch 6 Richmond and ch 7 Roanoke and FCC engineers going to Lynchburg to make measurements. Usually poor reception at Bay to S and SW, but this station boomed in a number of times! 100 kw operated by Liberty Baptist college. Went on air June 17th. Rev. Jerry Falwell's station.

7/13

0320-0400 WRKZ 98.5 PA Wilkes-Barre, fairly good, Connection pro. and rock, 17 kw 170 mi.
1502-0550 WXXI 91.5 NY Rochester, spotty, c mx w/nx at 0506 and wx at 0534 for Roch.310
1125-1200 WKHK 106.7 NY New York, over WBZR some of time, k mx. Verie letter back in a couple of days with 6 ft. poster of Statue of Liberty and message New York is putting its boots on. "KICK" 106FM 5.4 kw antenna atop Empire State Bldg., ex-WRVF. 200

7/18

0951-1035 WHRO 89.5 VA Norfolk, c, psa, wx, NPR announce, ex WTGM 140
0846-0905 WSBH 95.3 NY Southampton, pretty good and then lost, r, nx and many ads 280

Will take two more weeks of vacation in August and hope to have another report in late summer or early fall. 73.

Rick Samford, 404 S. McNeill, Burnet, TX 78611 - July 7 to Aug. 6 CDT

7/8 Es
1119 WPUB 94.3 SC Camden, r, FM-94
1121 WATP 94.3 SC Marion
1130 WMHK 89.7 SC Columbia, ID, nx
2113 WKJF 92.9 MI Cadillac
2117 WDOR 93.9 WE Sturgeon Bay, promo, k
2118 WRLO 105.3 WI Antigo
2121 WCMC 104.3 MI Detroit, wx, ID
2124 WJFM 93.7 MI Grand Rapids
2130 KEZT 104.1 IA Ames
2134 WIMI 99.7 MI Ironwood
2139 WAPL 105.7 WI Appleton, The Apple

7/8 Es
2145 WJML 98.9 MI Petoskey, JML

7/9 Es
1200 WFIQ 101.5 GA Brunswick, 101-Q w/ID followed by Mutual Lifestyle Report
1347 WRUF 103.7 FL Gainesville
1349 WTYD 99.9 FL Palatka, k
1355 WDOQ 101.9 FL Daytona Beach, ad, Q-102
1359 WKUE 92.7 FL Green Cove Springs, Florida Network nx
1359 WBEF 92.1 FL Macclenny, cont.....

7/9 Es
 1400 WNFQ 94.3 FL Lake City
 1402 WWLV 94.5 FL Daytona Beach, Love-99
 1407 WFOY 97.7 FL St. Augustine, wx
 1410 WLVW 94.9 FL Tallahassee, EZ
 1413 WMTM 93.9 GA Moultrie, S. GA wx
 1414 WKTZ 96.1 FL Jacksonville, EZ

7/22 Es
 0856 PFWF 89.3 DC Washington, PFW, jazz p.
 0859 WYFN 88.5 WV Charleston, net ID
 0957 WMRJ 88.3 OH Marietta, c
 1059 WDJQ 92.5 OH Alliance

7/22 Es
 1100 WFPT 92.9 PA Pittsburgh
 1115 CKPC 92.1 ON Brantford, stock market rep.
 1119 CJEB 92.7 ON London
 1123 WQMC 104.3 MI Detroit
 1126 WNNW 98.5 MI Coldwater, k
 1130 WFMK 99.1 MI East Lansing

7/24 tr
 0858 KJLC 89.3 TX Pasadena, g, still 115 wts?
 8/3 tr
 0900 KWRW 97.7 TX Rusk, TSN nx, k, \$,
 // KTLU 1580 AM

George Rogers, 320 Lafayette Rd., Chickamauga, GA 30707 - June 23 to July 26

Equip.: General Electric Superadio

I have good news to tell you. On June 26th I got in my 1500th FM station and on July 10th I got in my 1600th station. So far, it has been a great DX season for me.

6/23 tr
 0820 WJBB 92.7 AL Haleyville, mr 180
 0825 WAFM 95.3 MS Amory, nx 265
 0825 KTMO 98.9 MO Kennett, kg 320
 0825 WKTC 93.9 KY Madisonville, nx 255
 1045 WGPC 93.3 MS Houston, sports 240
 1145 WEZI 105.9 TN Memphis, ad 322

6/24 Es
 1225 CIGM 92.7 ON Sudbury, mor 1263
 1250 WAUN 92.7 WI Kewaunee, polkas 790
 1250 WJMT 93.5 MI Merrill, mr 890

6/25 Es
 0925 KILQ 93.9 CO Colorado Springs, r
 0935 KHOW 95.7 CO Denver, nx 1317
 0955 KAVI 95.9 CO Rocky Ford, nx 1200
 0955 KTRX 93.5 MO Tarkio-Rockport, nx 825
 1010 KTTL 93.9 KS Dodge City, nx 1024
 1010 KROA 95.7 NE Grand Island, g 1124
 1012 KRGS 93.1 SD Sturgis, k 1420
 1015 KWYR 93.7 SD Winner, nx 1305
 1018 KYNR 99.9 CO Pueblo, ad 1259
 1020 KINI 96.1 NE Crookston, k 1305
 1023 KOGA 92.7 NE Ogallala, mor 1232
 1025 KRSJ 101.5 CO Durango, k 1531
 1033 KODY 94.9 NE North Platte, nx 1180
 1315 KKHJ 93.9 SD Rapid City, mor 1404
 1320 KLGR 97.9 MN Redwood Falls, nx 1175
 1320 KPNW 97.9 ND Fargo, g 1283
 1325 KMLH 100.1 MN Marshall, sports 1175
 1320 KPNW 97.9 ND Fargo, g 1283
 1325 KMLH 100.1 MN Marshall, sports 1175
 1330 KYSM 105.5 MN Mankato 1075
 1335 WPTH 103.3 MN Duluth, g 1162
 1335 KKEV 104.9 MN Breckenridge, ads 1210
 1335 KZEV 103.1 IA Clear Lake, nx 967
 1337 KRGS 104.9 IA Spencer, g 990
 1337 KQAD 100.9 MN Luverne, ad 1175
 1339 KXXE 101.3 MT Forsyth, ads 1700
 1345 KBRF 103.3 MN Fergus Falls 1195

Steve's Cycles ad
 1347 KLSS 106.1 IA Mason City, r 962
 1350 KBMO 93.5 MN Benson, farm nx 1160
 1400 KDLO 96.9 SD Watertown, k 1285
 1400 KCJE 97.1 ND Minot, m 1543
 1405 KRYA 88.5 ND Belcourt, nx 1510
 1409 KILR 95.9 IA Esterville 995
 1410 KWQA 95.1 MN Worthington, wx 1160
 1410 KQAA 94.9 SD Aberdeen, ad 1385
 1415 KFKZ 93.5 SD Sioux Falls, r 1180
 1420 KYYY 92.9 ND Bismarck, r 1472
 1420 KQDY 94.5 ND Bismarck, r
 1420 KNEY 95.3 ND Jamestown, m 1373

6/25 Es
 1420 KKOK 95.7 MN Morris, ads 1190
 1420 KSJM 93.3 ND Jamestown, m 1373
 1420 KLAN 96.1 ND Williston, nx 1694
 1440 KVOX 99.9 MN Moorhead, ad 1276
 1420 KFJM 89.3 ND Grand Forks, c 1359
 1420 KIZZ 93.7 ND Minot, r 1543
 1720 KBEX 93.9 TX Corpus Christi, mr 999
 1720 KESS 93.9 TX Fort Worth, SL 821
 1725 KILQ 93.9 CO Colorado Springs, r 1301
 1730 KWLS 93.1 KS Pratt, ad 912
 1735 KRCS 93.1 SD Sturgis, ad 1420
 1830 WATZ 93.5 MI Alpena, polkas 356
 1840 CIGM 92.7 ON Sudbury, m 1263

6/26 tr
 0730 WTUG 92.7 AL Tuscaloosa, ads 194
 0735 WAFM 95.3 MS Amory, wx 265
 0745 WJDQ 101.3 MS Meridian, pr 296
 0745 WNNB 202.5 AL Jasper, nx 190
 0750 WBAM 98.9 AL Montgomery, mr 218
 0800 WFMH 101.1 AL Cullman, nx 125

Es
 1120 CKSBZ 93.5 ON Kenora, FF talk 1400
 1125 CBWY 92.7 MB Jackhead, c 1450
 1200 WAYL 93.7 MN Minneapolis, m 1008
 1203 KRGS 92.5 MN Golden Valley, r 1010
 1203 KSNJ 91.1 MN Saint Paul 1008
 1205 KRSJ 88.5 MN Rochester, wx 920
 1205 KNUJ 93.1 MN New Ulm, mr 1040
 1205 KSTP 94.5 MN Saint Paul, aop 1008
 1206 KPRM 97.5 MN Park Rapids 1150
 1210 KDWB 101.3 MN Richfield, m 1010
 1212 KRGH 101.7 MN Rochester, r, #1500 920
 1212 WCGG 102.9 MN Minneapolis, mr 1008
 1213 KRCC 106.9 MN Rochester, mr 920
 1214 WLKX 95.9 MN Forest Lake, m 1033
 1215 WSGD 92.9 MN Duluth, c 1162
 1216 WKKP 92.1 WI Manitowac 768
 1220 WLTJ 93.5 WI New London, ad 802
 1220 WAGE 95.3 MN Winona, ad 910
 1220 WGBW 91.5 WI Green Bay 799
 1225 WAUN 92.7 WI Kewaunee, polkas 775
 1228 WTLB 98.5 MN Saint Paul, nx 1008
 1230 CBQH 100.9 ON Dryern, talk 1400
 1235 KTIIG 100.1 MN Pegquait Lakes, g 1145
 1235 WACH 94.9 MN Duluth, nx 1165
 1235 KTNW 107.9 MN Anoka, wx 1025
 1235 WNNQ 107.1 WI Wisconsin Dells, nx 800
 1235 WRHN 107.9 WI Rhienlander, ad 917
 1238 WJJO 98.1 MN St. Cloud, k 1075
 1240 WLXK 107.1 WI New Richmond, talk, Con. 990

6/26 Es
 1242 WSPT 97.9 WI Stevens Point, r 840
 1245 WHHI 91.1 WI Highland, nx 980
 1245 WPNE 89.3 WI Green Bay, c 799
 1245 WFOV 107.1 WI Fond Du Lac, ads 741
 1250 WBBV 92.5 WI West Bend, m 713
 1255 WRRW 103.3 WI Wisconsin Rapids, nx
 1255 WIMI 99.7 WI Ironwood, ads 1025
 1300 WATM 95.9 WI Ashland, ad 1045
 1305 CBQX 98.7 ON Kenora 1400
 1305 CBQNZO 89.3 ON Thunder Bay, FF, m 1348
 1315 WDOR 93.9 WI Sturgeon Bay, ad 843
 1323 WHUH 97.7 MI Houghton 1050

6/28 Es
 1138 KAMA 93.1 TX El Paso, sg 1425
 1245 KEJP 93.7 DF Mexico City, m 1850
 1246 XHPS 93.3 VER Veracruz 1500
 1255 XHOX 95.3 TAM Tampico, ID 1350

6/29 Es
 1257 WIAI 92.7 MA Tisbury, r 1015
 1305 WNYC 93.9 NY New York, c 741
 1320 WRUT 97.1 VT Rutland, ads 1174
 1344 WLVH 93.7 CT Hartford, SL 860
 1345 WHYN 93.1 MA Springfield, m 889
 1345 WPBC 92.9 ME Bangor, m 1188
 1347 WRKI 95.1 CT Brookfield, pr 850
 1347 WMAS 94.7 MA Springfield, 889
 1355 WMCX 93.1 ME Portland, ads 1052
 1355 WUNH 91.3 NH Durham, c 992
 1357 WMUA 91.1 MA Amherst, r 916
 1400 WMEA 90.1 ME Portland, ID 1052
 1400 WAMC 90.1 NY Albany, ID 897
 1402 WRVO 89.9 NY Oswego, UPI nx 941
 1405 WTCN 91.1 MA Worcester, c 953

7/4 Es
 1012 KILQ 93.9 CO Colorado Springs, r 1301
 1015 KLBJ 93.7 TX Austin, ad 948
 1017 KITY 92.9 TX San Antonio, aor 981
 1020 KIVY 92.7 TX Crockett, ad 820
 1020 KTVL 92.7 TX Eagle Pass, ad 1096
 1023 KTCL 93.3 CO Fort Collins, pr 1320
 1025 KHOW 95.7 CO Denver, ad 1317
 1030 KBVL 94.7 CO Boulder, c 1343
 1032 KEZH 93.5 NE Hastings, wx 1055
 1035 KHSG 99.9 COAH Piedras Negras, ad
 1036 KGTN 96.7 TX Georgetown, k 960
 1040 KFBQ 97.9 WY Cheyenne, k 1369
 1042 KIXV 95.3 TX Brady, ad 980
 1046 KWBI 91.1 CO Morrison, g 1350
 1047 KWLW 93.9 TX San Angelo, k 1047
 1050 KCCY 97.9 CO Pueblo 1259
 1052 KJCO 100.9 CO Yuma, ads 1180
 1057 KPEP 90.5 CO Colorado Springs, r
 1100 KFKZ 96.1 CO Greeley, ad 1371
 1105 KGNU 88.5 CO Boulder, k 1343
 1108 KAVI 95.9 CO Rocky Ford, wx 1200
 1110 KAMA 93.1 TX El Paso, SL 1425
 1115 KEXX 93.9 TX Corpus Christi, ad 999
 1120 XHAAA 93.1 TAM Reynosa, SL 1255
 1120 KELS 94.5 TX Harlingen, k 1245
 1121 KVMV 96.9 TX McAllen, g 1250
 1125 KZFM 95.5 TX Corpus Christi 999
 1133 KYND 92.5 TX Pasadena, m 784
 1135 KRTU 91.7 TX San Antonio, c 981
 1150 WOBM 92.7 NJ Toms River 700
 Rolling Rock Beer ad
 1200 KOYE 94.9 TX Laredo, nx 1095

7/5 Es
 1835 WHJY 94.1 RI Providence, m 924
 1843 WJBO 97.9 ME Scarborough, r 1050
 1845 WQDY 92.7 ME Calais, ads 1290
 1847 CBZ1 91.3 NB Fredrickson, talk 1353
 1850 WALZ 95.3 ME Machias, wx 1230
 1855 WMMM 90.9 ME Bangor 1188
 1855 WMGX 93.1 ME Portland, ad 1052
 1857 WCFR 93.5 VT Springfield, wx 1045
 1900 KUNC 91.5 CO Greeley 1371
 1900 WHOM 94.9 NH Mt. Washington, ad 1050
 1095 KICX 95.9 ME McCook, nx 1200
 1905 WKTR 97.7 ME Millinocket, wx 1260
 1910 WTMS 96.1 ME Presque Isle, ad 1338
 1915 KSID 95.3 NE Sidney 1400
 1915 WHOU 100.1 ME Houlton, r 1303
 1915 WLNK 99.3 ME Lincoln, r 1240
 1915 WKUJ 99.3 ME Farmington 1150
 1920 WTOS 105.1 ME Skowhegan, r 1134
 1920 WABK 104.3 ME Gardner, r 1114
 1925 WXLQ 103.7 NH Berlin, r 1185
 1925 WGIY 100.9 ME Brewer, ads 1180
 1925 WLOB 100.9 ME Westbrook, pr 1050
 1930 WHWB 98.1 VT Rutland, old rock 1074
 1936 WYUT 92.7 NY Herkimer, ad 980
 1941 KYGO 98.5 CO Denver, k 1317
 1943 KAZY 106.7 CO Denver, r 1317
 1948 WRCK 107.3 NY Utica, A. T. 40 990
 1950 WPLR 99.1 CT New Haven, ad 845
 1950 WPKY 97.9 NY Rochester 879
 Genesee Beer ad
 1952 WMRV 105.7 NY Endicott, r 919
 1952 KBPT 105.9 CO Denver, pr 1317
 1955 KPPL 107.5 CO Lakewood, ad 1317
 1957 CBF10 101.1 PQ Sherbrooke, FF, m 1050
 2000 KJLS 103.3 MS Hays, nx 1044
 2001 CIMO 106.1 PQ Magog, FF 1070
 2003 WNOZ 99.9 NY Cortland, r 951
 2005 CFGL 105.7 PQ Laval, FF, r 1090
 2005 WOLV 105.1 NY De Ruyter, nx 945
 2010 WSYR 94.5 NY Syracuse, r 985
 2010 WVBR 93.5 NY Ithaca, ad 935
 2010 WHCU 97.3 NY Ithaca, c
 2010 WLBQ 98.7 NY Utica, m 990
 2015 CITE 102.7 PQ Sherbrooke, FF, m 1050
 2015 WZKZ 106.1 NY Corning, r 885
 2020 WRUR 88.5 NY Rochester, r 874
 2020 CBF11 90.1 PQ Danville-Asbestos, FF 1181
 2025 CITE1 107.3 PQ Montreal, FF 1086
 2030 KFBQ 97.9 WY Cheyenne, ad 1369
 2030 CJFM 95.9 PQ Montreal, ads 1086
 2035 CKOI 96.9 PQ Verdun, FF 1090
 2040 CBCC 95.5 ON Cornwall, talk 1252
 2040 CHOI 98.1 PQ Quebec City, FF, talk
 2040 CBCK 107.5 ON Kingston, talk 1148
 2045 WDEA 95.7 ME Ellsworth, m 1220
 2055 KMOR 92.9 ME Scottsbluff, ad 1456
 2120 KIXY 94.7 TX San Angelo, r 1047
 2128 KIXV 95.3 TX Brady, nx 980
 2135 KWJS 94.9 TX Arlington, g 807
 2135 KSEL 93.7 TX Lubbock, r 1116
 2143 KVRN 92.1 TX Sonora, SL 1060
 2145 XHAAA 93.1 TAM Reynosa 1250
 2145 KVTI 91.7 TX Dallas, g 793
 2147 KVIC 95.1 TX Victoria, r 903
 2147 KEXX 93.9 TX Corpus Christi 999
 Lite beer ad
 7/6 Es
 1202 KESS 93.9 TX Corpus Christi 999

7/6 Es			
1425 XHNY	93.5	GTO Irapuato, ad	1600
1428 XBT	94.1	NL Monterrey, L	1281
1428 XHRK	95.7	NL " " R	
1433 XHNL	94.9	NL " " C	
1435 XHSR	97.3	NL " " M	
1435 XHJD	98.9	NL " " M	
1445 XHMM	100.1	DF Mexico City, ad	1850

7/7 tr			
0925 WJDQ	101.3	MS Meridian, nx	296
0925 WBAM	98.9	AL Montgomery, r	218
0925 WKQQ	98.1	KY Lexington, r	292
0925 WALT	97.1	MS Meridian, m	296
1645 WKOS	96.3	TN Murfreesboro, aor	105
1702 WAMZ	97.5	KY Louisville, k	303

7/8 tr			
0835 WNES	101.9	KY Central City, wx	210
0845 WSTO	96.1	KY Owensboro, mr	265

Es			
1215 KEXX	93.9	TX Corpus Christi, ID	999
1615 KQIZ	93.1	TX Amarillo, r	1036
2105 KRDO	95.1	CO Colorado Springs, m	
2115 KSSL	93.7	TX Lubbock, r	1116
2118 KWLW	93.9	TX San Angelo, k	1047
2118 KJAK	92.7	TX Slayton, g	1120
2129 KKAJ	95.7	OK Ardmore, k	806
2130 KMOR	92.9	NE Scottsbluff, r	1456
2135 KBVL	94.7	CO Boulder, c	1343
2135 KLLR	100.3	CO Denver, m	1317
2140 KTCG	93.3	CO Fort Collins, pr	1320
2140 KUNC	91.5	CO Greeley, r	1371
2145 KVRH	92.1	CO Salida, k	1404
2145 KCSU	90.9	CO Fort Collins, r	1370
2145 KSLJ	99.3	KS Liberal, AP sports line	
2152 KYGQ	98.5	CO Denver, k	1301
2155 KFDI	101.3	KS Wichita, k	869
2157 KOAQ	103.5	CO Denver, r	1317
2157 KAFI	107.1	CO Pueblo, SL	1259
2157 KADK	105.1	CO Denver, jazz	1317
2157 KWTS	92.7	CO Glenwood Springs, mr	
2200 KALQ	93.5	CO Alamosa, k	1275
2205 KKKK	99.1	TX Odessa, g	1143
2208 KAVI	95.9	CO Rocky Ford, wx	1200
2210 KZZX	99.5	NM Albuquerque, ads	1320
2210 KRKE	94.1	NM Albuquerque, pr	
2210 KTTL	93.9	KS Dodge City, wx	1024
2210 KTNM	92.7	NM Tucumacari, mr	1146
2210 KTSC	89.5	CO Pueblo, talk	1259
2220 KSLT	97.5	TX San Angelo, SL	1047
2220 KATX	97.3	TX Plainview, k	1050
2220 KWBY	97.3	OK Weatherford, k	845
2225 KTYX	98.7	TX Amarillo, r	1036
2227 KSIW	93.5	OK Woodward, m	912
2235 KMRE	95.3	TX Dumas, M nx	1060
2235 KOB	93.3	NM Albuquerque, r	1320
2235 KWYK	94.9	NM Aztec, r	1500
2240 KCSG	90.1	OK Edmond, j	780
2253 KRWN	92.9	NM Farmington, ad	1500
2253 KEYE	95.9	TX Perryton, m	1035

7/9 Es			
1115 WIMI	93.1	FL Miami, c	775
1115 WWL	93.9	FL Miami Beach, mr	
1120 WFIN	92.5	FL Key West, m	927
1248 XHAA	93.1	TAM Reynosa, SL	1250
1255 WINZ	94.9	FL Miami Beach, ads	776
1400 XHGL	97.7	YU Merida, m	1450
1415 XHMT	98.5	YU Merida, m	
1405 XHJT	100.1	TAM Tampico, ad	1350

7/9 Es			
XHJT	30th	from Mexico	
1540 KBLT	94.5	TX Harlingen, wx	1245
1540 KVMV	96.9	TX McAllen, sg	1250
1540 XHNL	94.9	NL Monterrey, m	1281
2140 XHNOE	91.3	TAM Nuevo Laredo, m	1095
2150 KEXX	93.9	TX Corpus Christi, mr	999
2150 KCYE	94.9	TX Laredo, ad	1095
2155 KYND	92.5	TX Pasadena, m	784

7/10 Es			
0925 GJMF	93.3	PQ Quebec City, FF, m	1268
0930 GJFM	95.9	PQ Montreal, r	1086
0940 WMAJQ	92.5	NY Rochester, "Magic-92"	874
0945 CKCU	93.1	ON Ottawa, talk	1146
0952 CFBC	93.9	ON Ottawa, ad	1146
1000 CBCL	93.5	ON London, nx	776
1000 CBL	94.1	ON Toronto, nx	898
1005 CKOS	94.9	ON Oshawa, nx	919
1005 CKDS	95.3	ON Hamilton, ad	854
1008 CJRT	91.1	ON Toronto, drama	898
1010 CBE	89.9	ON Windsor, m	661
1020 WNTQ	93.1	NY Syracuse, m	985
1030 CHAY	93.1	ON Barrie	954
		A & M Food Market ad	
1045 GIGM	92.7	ON Sudbury, m	1265

7/13 Es			
2130 KHJJ	93.9	SD Rapid City, m	1404
2200 WSGD	92.9	MN Duluth, c	1162
2208 KCSB7	93.5	ON Kenora, FF, nx	1400
2204 WKKQ	93.9	MN Hibbing, nx	1242
tr 2300 WKMS	91.3	KY Murray, ID	220

7/15 tr			
1210 WAMZ	97.5	KY Louisville, k	303
1210 WKQQ	98.1	KY Lexington, r	
1320 WVLK	92.9	KY Lexington, ad	292

7/18 tr			
1026 WAFM	95.3	MS Amory, m	265
1028 WESB	95.9	MS Baldwin, m	270
1032 WZZQ	98.5	MS Tupelo, ad	275
1040 WMC	99.7	TN Memphis, ads	322
1040 WJDQ	101.3	MS Meridian, r	296
1042 WJBB	92.7	AL Haleyville, nx	195
1212 WAMZ	97.5	KY Louisville, k	303

7/20 tr			
1015 WKPT	98.5	TN Kingsport, ad	206
1130 WBPM	98.1	SC Seneca, wx	185
1145 WESC	92.5	SC Greenville, ad	195
1305 WITZ	104.7	IN Jasper, nx	315

7/22 ms			
0800 KAYL	101.5	IA Storm Lake, ad	955
Es			
0915 KOGA	92.7	NE Ogallala, ad	1232
0950 KQIZ	93.1	TX Amarillo, nx	1036
0952 KCLI	95.3	OK Clinton, mr	858
0953 KWBY	97.3	OK Weatherford, ad	841
0955 KDCK	95.5	KS Dodge City, k	1024
1020 KANZ	91.1	KS Garden City	1074
1020 KTLT	93.9	KS Dodge City, k	1026
1020 KINF	91.9	KS Dodge City, r	1024
1024 KLMR	93.3	CO Lamar, wx	1190
1025 KWLS	93.1	KS Pratt, ad	912
1030 KAVI	95.9	CO Rocky Ford	1200
1040 KRDO	95.1	CO Colorado Springs, m	1301
1042 KCSI	101.1	CO Denver, m	1317

cont.

7/22 Es			
1205 KZED	93.5	KS Wellington, nx	870
1215 KHCC	90.1	KS Hutchinson, c	919
1217 KANS	96.7	KS Larned, k	977
1220 KULL	94.5	KS Scott City, farm nx1080	
1230 KICK	95.9	NE McCook, hog mart.nx1282	
1230 KUAD	99.1	CO Windsor, ad	1330
1232 KPFF	101.1	KS Oberlin, farm nx	1100
1240 KMOR	92.9	NE Scottsbluff, r	1456
1240 KRWN	93.1	NE Lexington, m	1120
1240 KODY	94.9	NE North Platte, k	1180

7/23			
0800 WHRK	97.1	TN Memphis, s	322
0800 WMC	99.7	TN Memphis, r	
0805 WZXR	102.7	TN Memphis, pr	
0805 WRVR	104.5	TN Memphis, mr	
0955 WZLO	98.5	MS Tupelo, nx	275
1010 WZGI	105.9	TN Memphis, m	
1010 WARM	95.3	MS Amory, ads	265
1036 WEVN	89.9	TN Memphis, m	322
1045 W218AA	91.5	TN Elizabethton, g	225
1045 W217AA	91.3	TN Johnson City, g	225
		(WMBW xltzs)	
1050 WJDQ	101.3	MS Meridian	296
1100 WKRA	92.7	MS Holly Springs, k	265
1430 WVLK	92.9	KY Lexington, ads	292

7/24 Es			
1010 KNOW	95.7	CO Denver	1317
		traffic report	
1012 KCGY	97.9	CO Pueblo	1259
		Pueblo Greyhounds Park ad	
tr			
1030 WCOZ	97.9	SC Columbia, ad	317
1040 WPEZ	107.9	GA Macon, EZ-108	198
1045 WVOG	102.9	GA Columbus, r	221
*1045 WPFL	103.9	GA Blue Ridge, g	70

#1626---> 1705 CBC-FM 96.9 PE Charlottestown, drama1573

The total of 1626 works out to 236 on 88-92, 869 via E-skip, 6 MS, 3 via Au, 43 U. S. states, 7 Canadian provinces, 9 Mexican States, 2 foreign for a total of 61 TFUs. (Ed. note: This total was massed from dxing locations from several states and not from one small area.)

I would like to collect QSL cards, bumper stickers and window cards from the various FM stations around the nation. Any WTFDA members who have them, please send them to me. Hopefully next summer I'll reach the 2000 mark. Remember there will be more DX fun to come in '81.

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74074 - July 12 to Aug. 11 CDT
Equip.: Pioneer TX-9100, Antennacraft GFM-10 30 ft. high.

7/22 Es			
1030 WKNC	88.1	NC Raleigh, ID	1060
1033 WRNS	95.1	NC Kinston	1120
1036 WSEZ	93.1	NC Winston-Salem, 293	960
1045 WESC	92.5	SC Greenville	
1047 WDDZ	93.5	NC Shallotte	
1055 WXRC	95.7	NC Hickory, ID, r	
1059 WSPA	98.9	SC Spartanburg	
1105 WRFR	96.7	NC Franklin	
1108 WUUU	94.5	SC Greenville, ID	850
1109 WCSE	92.3	NC Asheville	830
1110 WXLK	92.3	VA Roanoke	970
1125 WSVS	104.7	VA Crewe	1180
1134 WRVL	88.3	VA Lynchburg	

Es sure took a disappointing downturn after July 10th. But great that local KVRO was off long enough to log 3 new on 105.5. During that time KVRO moved to a new tower. Broadcasting says it's now 456w., 27' HAAT. (Tower is short and in a valley) But station tells me before end of year they will be at or near full class A power. So time is running out to log this challenging mini-power. Until next month, 73.

7/24 Es			
1110 KAWY	94.9	NY Casper, k	1547
1120 KMOR	92.9	NE Scottsbluff, r	1456
1255 XHAA	93.1	TAM Reynosa, SL	1255
1257 KIWW	96.1	TX Harlingen, SL	1245

7/26 Es			
1415 WIFI	92.5	PA Philadelphia, mr	660
1416 WDAC	94.5	PA Lancaster, g	660
1417 WGBB	96.1	PA Red Lion, g	650
1419 WZZO	95.1	PA Bethlehem, pr	705
1419 WRKI	95.1	CO Brookfield, ad	850
1420 WFMF	94.7	NJ Newark, g	740
1425 WROR	98.5	MA Boston, r	995
1426 WXCI	91.7	CO Danbury, jam r	850
1427 WBYR	90.9	MA Boston, c	995
1450 WCGY	93.7	MA Lawrence, old r	1025
1455 CBMI	93.7	PQ Baie-Comeau, FF talk	1200
1502 WTMS	96.1	ME Presque Isle, mr	1338
1520 CBV	95.3	PQ Quebec City, c	1268
1530 WDEA	95.7	ME Ellsworth, wx	1220
1533 WSOX	94.9	MA West Yarmouth, ads	1040
1536 WKTR	97.7	ME Millinocket, Red Sox BB	
1536 WCAV	97.7	MA Brockton, r	985
1540 CBJ	100.9	PQ Chicoutimi, FF talk	1376
1540 CJBK	101.5	PQ Rimouski, FF talk	1417
1550 WFAU	101.3	ME Augusta, ad	1120
1550 WEFZ	92.9	VT Burlington, m	1050
1550 WOXO	92.7	ME Norway, ads	1045
1600 WKXA	98.9	ME Brunswick, nx	1075
1610 WELP	101.7	ME Presque Ilse, m	1338
1611 WPCR	101.9	ME Portland, k	1052
1625 CJBK17	95.5	ON Bellville, FF	1125
1630 CFCC	93.9	PQ Trois Riveires, C	1115
1640 CBF8	100.1	FU Trois Riveires, FF	1115
1655 WQDY	92.7	ME Calais, ad	1290
1658 WFBC	92.9	ME Bangor, nx	1188
1740 WJYE	96.1	NY Buffalo, m	794

EASTERN TV-DX

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

September, 1981

Deadline: 5th

E-Skip activity turned out to be less active during July than it was during June. Tropé activity was also unexciting here with no real big openings being observed. I guess the E-Skip season then turned out to be one of the worst in recent years. About all we can do about it is wait until next year.

Rich Turcsany; 7 Caver Circle, Shelton, CT 06484 EDT

6-8 Es 1330 WMT-2 860 1400 KUSD-2 SD 1120 KXON-5 SD 1090 1430 KIMT-3 IA 900 1500 KDLO-3 SD 1070	6-23 Es 1102 WNGE-2 TN 1600 KXJB-4 ND Valley City 1630 KTVI-2 MO CBWFT-3 MB Winnipeg	6-26 Es 1229 WEAR-3 FL 1300 KARD-3 KS 6-28 Es 1800 CBYT3-2 NF Bonnie Bay "CBC slide" CJCN-4 NF
6-13 Tr 2200 WBOC-16 MD 220 WMDT-47 MD " W64AS DE 200	6-24 Es 1000 WMT-2 IA 1100 WMCT-5 TN 1130 WMAB-2 MS 1200 WNGE-2 TN	6-29 Es 1100 WPBT-2 FL 1130 WESH-2 FL WSB-2 GA 1200 WEAR-3 FL 1300 WMAB-2 MS
6-15 Es 1659 WESH-2 FL 860 6-17 Es 2000 WPBT-2 FL 1050 ICR6-3 Cuba WTVJ-4 FL 1050 WCIX-6 FL " 2010 TR-5 Cuba	Tr 2300 WIIN-7 NC WNCT-9 NC WAVY-10 VA WCTI-12 NC WVEC-13 VA WYAH-27 VA WTVZ-33 VA	Tr 2110 WRBV-65 NJ Vineland "testing"
6-18 Es 1130 WREG-3 TN 900 WMCT-5 TN " 1140 KARK-4 AR 1000 1930 Miami V's	6-25 Es 1030 KJRH-2 OK 1757 WESH-2 FL 1900 WEDU-3 FL	6-30 Tr 0810 WLYH-15 PA WYAH-27 VA WLVT-39 PA WSBA-43 PA WGCB-49 PA W64AS DE "xlting WPRI-12" 0845 WSTG-64 RI t
6-19 Tr 0045 W4LAC VA 270 W4HAD VA " Es 1746 KCKT-2 KS 1210 KARD-3 KS 1160 1758 KYTV-3 MO 970 1845 WSB-2 GA 720 2015 WKRG-5 AL 980	6-26 Es 0110 KQTV-2 MO 0130 WDAF-4 MO KCNO-5 MO 1030 WEDU-3 FL 1130 WSAV-3 GA WJXT-4 FL 1229 WRBL-3 GA	Es 1100 KQTV-2 MO "test tone; could have been WHYY-12 on xltr."

"Es in June was not as good as in previous years, when Es would be in every day. Tropé wasn't good, either, with only four good openings to Delmarva & Tidewater. July should be much better with the high MUF skip openings. WRBV-65 is testing; station will have WHT STV service by mid-July. WWSG-57's STV service is SelecTV of WCGV-24 fame, not ON-TV as reported before. Channel 57's encoding system is the same as that on WSMW-27, except that there is no barker channel. Channel 43 in Bridgeport has not begun construction yet; supposed to be on in May 1982. WEDW-49 is getting new antenna and xmtr; they are increasing ERP from 380 to 2000 kw and should be ready by August. That's all for now. 73's."

Robert Kramer; 6416 N. Richmond, Chicago, IL 60645 CDT

5-28 Tr 2000 WPHN-7 231 WGTU-29 231 WLRE-26 WI Green Bay	6-6 Tr 0408 CKCO-3 42 260 6-8 Es 2030 CITL-4 AT 2045 CFRN-3 AT	6-21 Tr 0534 CKCO-3 42 260 0541 WTVG-13 220 0549 CKGV-29 260
5-29 Tr 0005 WPHN-7 231 Green Bay	6-9 Tr 0715 WGTU-29 231 KDNL-30 265	Es 1412 KJAC-4 TX 1433 WJXT-4 FL KIII-3 TX 1447 WEDU-3 FL 1503 WEAR-3 FL
5-31 Tr 0451 WIHT-31 230 0537 WKON-20 240 WXYZ-7 " 0553 WEXI-25 222 0555 WKBD-50 240 0601 WGRN-62 "	6-16 Es 1830 KGBT-4 TX 6-21 Tr 0310 WIHT-31 230 WTVS-56 240 WCPN-62 " 0445 WDIV-4 " 0505 WXYZ-7 " 0522 WTOL-11 220 WDHO-24 "	6-30 Tr 2213 WKON-20 240 7-5 Es 1829 KMOL-4 TX 1851 KMID-2 TX Tr 2257 WGTU-29 231 WIHT-31 230
6-4 Es 1106 KIII-3 TX 6-5 Es 2200 KIII-3 TX KMOL-4 TX	0527 WUAB-43 293 0529 WWS-5 320 0531 WKON-20 240 0534 WJEK-2 "	7-8 Es 2058 KMOL-4 TX KIII-3 TX 2102 KGBT-4 TX 2230 KJAC-4 TX
6-6 Tr 0350 WXYZ-7 240 0404 WTVS-56 " WGRN-62 " WIHT-31 230		

Eastern TV-DX

September 1981

Robert Kramer; continued---7-10 Tr 0011 WIHT-31 MI 7-14 Tr 0106 WTVG-13 OH
7-9 Tr 2115 CICA-19 440 WEYI-25 MI 0440 WHIO-7 OH
2228 WUTV-29 460 2330 KDNL-30 MO WKEF-22 OH
2343 WTVG-13 220 7-14 Tr 0000 WLIO-35 OH 0450 WLWT-5 OH
7-10 Tr 0011 WDHO-24 " 0100 WTOL-11 OH 0805 WIPB-49 IN

"This will probably be my last report for a while, as I am not going to renew my WFTDA membership. My new apartment will not allow me to have a roof antenna and the interest in TV DX has dramatically declined in the past year. Part of the lack of interest, I suppose, is caused by the worst TV DX ex I have ever seen. I have yet (as of 7/23) seen a good tropé or Es opening. The only good Es, I missed, as I was at the GWDKA convention. I still plan on some TV DX, but on a limited basis and with indoor equipment. Another reason for my lack of interest is that my antenna set up went down in mid June. The tripod gave out and for some reason, the guy wires didn't hold the antenna up (in spite of the fact that the guy wires didn't break). The UHF sustained some damage and the VHF has several badly bent and two broken elements. 73's."

Frank Wheeler; 6589 Wattsburg Road, Erie, PA 16509 EDT

7-4 Es 1200 WPBT-2 1098 1202 WESH-2 902 1203 WEDU-3 994 1932 KPRC-2 1210 2330 KGF-2 917	7-8 Es 1600 KTBS-3 1005 1730 WDIQ-2 815 1759 WTVJ-4 1098 1800 WEDU-3 994	7-22 Es 1100 KATC-3 1056 1200 KBTX-3 1199 1230 WTHS-2 1098 2129 KWGN-2 1292 2135 KOTA-3 1169 2318 KDIX-2 "
7-5 Es 0001 KDLO-3 846 0005 KPRY-4 1032 1730 KFDX-3 1144	7-10 Tr 0828 WLLX-10 236 Es 1100 KARD-3 953 7-11 Es 1930 WERZ-2 1020 7-18 Es 2100 KGF-2 917 2200 KCKT-2 1015 Tr 0600 WKON-20 154	7-23 Es 0000 KBME-3 1066 1000 WEDU-3 994 1001 WPBT-2 1098 7-26 Es 1600 KWGN-2 1292
7-6 Es 2222 WPBT-2 1098 7-8 Es 1030 WEDU-3 994 1200 WESH-2 902	7-22 Es 0900 WERZ-2 1020	

Equipment: Sylvania TV 25" color, 1976. Ant.- Archer VU160 ; Servo Rotor. Log totals: 280 received--214 verified.

Steve Sprachman; 3939 Eve Drive, Seaford, NY 11783

"July has been a great month. There has been lots of Tropé and Es. I got 5 new stations this month. Here's my report:"

Dates with Tropés: June 27, 29, 30, July 4, 6, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 23, 24, and 25.
Dates with Es: June 28, July 4, 5, 8, 22, and 23.

6-28 Es 2130 CJRH-3 PA tent., French travel show with Mc Cains Juice and Black and Decker ads.
6-29 Tr 2030 UHF from Philly to Boston; W35AA-35 Philadelphia tent.
6-30 Tr 0630-0730--15, 17, 21, 22, 28, 29, 33, 39, 48, Eastern Pa.
19, 25, 27, 38, 40, Massachusetts.
20, D.C.--16, 45, 47 Maryland.
7-4 Tr 0900 UHF Philly to Boston.
Es 1930 KQET-3 OK, OETA.
KFDX-3 TX 1475mi., fur-
Wichita Falls
thest Es--Lawrence Welk.
2330 KDLO-3 SD--local news
Florence
followed by Hee Haw.
7-5 Es 1700 Unided-3; local news w/
Shoe City ads.
1845 WREG-3; Wild Kingdom.
1930 KEMV-6, Mountain View,
AR.- PBS. Stations from TN & AR on
FM.
7-8 Tr 0645-0700 WJNE-31 - Today
Lebanon Show.

7-12 Tr 2000-2200--17, 29, 48, 51, 69, from Pa. 23, 40, 52 from NJ. 36 - RI, 54 Poughkeepsie; 20, 24, 30, 49 - CT.
7-13 Tr 2030 Unided-65; TP.
7-15 Tr 2000-2200 WRBV-65 NJ; TP w/
Vineland
voice ID on the hour.
7-16 Tr 1900-2200 WRBV-65 begins programming; 17, 29 Philly; 23, 52 NJ; 20 30, 49 CT.
7-17 Tr 1900-2100--17, 29, 48 PA; 16, 28 MD; 19, 22, 25, 27, 38, 40, 44, 56, 57 MA; 36 RI; 27, 33 Norfolk; 18, 20, 24, 30, 49, 53 CT; 54 NY; WRBV-65 w/
STV--no barker.
7-18 Tr 0800 19, 22, 25, 27, 38, 40, 56, MA; 17, 29, 39, 48, PA; 20, 24, 30 CT; Tr 1700-2100 17, 29, 39, 48, 57, 69 PA; 23, 40, 52, 65 NJ; 16, 28 MD; 18, 20, 24, 30, 49, 53 CT; 54 NY; 33 VA; 26 DC.
7-21 Tr 1900 54 Poughkeepsie; 19 MA; 20, 24, 30, 49, CT; 17, 29, 39, 48 PA.
TV News: "WRBV-65 is now on the air."

The Vineland, NJ station has sit-coms and reruns during the day, local news at 1900 and STV beginning at 1930. There is no barker and it is supposed to be Wometco Home Theater.

More from Southern NJ according to the NY times;--WWAC-53 Atlantic City is supposed to go on the air on Monday July 27, but I haven't seen them testing. Also, WAAJ-40, is increasing it's power in Sept. when they move to their new studios in Avalon, NJ (10 mi. N of Wildwood).

Well, that's it for now. I hope the DX has been good for everyone as it has been for me."

Dave Hascall; 211 N. Merrill St., Fortville, IN 46040 EST/CDT

*-seen on rabbit ears. 6-4 Es 2130 KMD-2 TX 6-25 Es 1200 KJRH-2 OK
KENW-3 NM Tulsa
2-21 Tr 2100 WDTN-2 OH 2200 KACB-3 TX 1400 KVCU-5 WY
WHIO-7 OH San Angelo
WLWT-5 OH 25 Es 1000 KMD-2 TX 1430 KFWO-2 WY
WCPO-9 OH KENW-3 NM 7-8 Es 1400 KMD-2 TX
2200 WKRC-12 OH 7-9 Es 1400 KPRC-2 TX
2-22 Tr 1030 WKOW-27 WI* 7-10 Es 1100 KOTA-3 SD
Madison
1100 WCIU-26 IL* Equipment: VHF-UHF combo ant. plus rabbit ears.
Chicago
1130 WKPC-15 KY*
1230 WKYT-27 KY
Lexington.

Bob Seybold; Bennett Rd., Dunkirk, NY

July 12 Tr A.M. WCMU-14, WANE-15, CELFT-15, WNDU-16, WJAN-17, WTVO-17, WLFI-18, WUCM-19, WXON-20, WPTA-21, WSBT-22, WKAR-23, WWHO-24, WEYI-25, WCIU-26, WBGU-27, W27AC, WFUM-28, WOTE-30, WIHT-31, WKJG-33, WGVC-35, WCPC-38, W39AA, WUHQ-41, CELFT-44, WHME-46, WKBD-50, WFFT-55, CELFT-55, WTWS-56, WBGU-57, WCPB-62, WVIZ's xtrs on 62 & 64 (W64AF; don't know of one on 62--wd), W67AJ, W47AB, WPEO-42, WPGH-53, -55, W66AK, WNDU-16, (everything in this line after W67AJ was seen on July 11-wd).

July 11 Tr--WJAN-17, WQEX-16, WPTT-22, WPCB-40, WPGH-53, WNPB-16, W67AL, W64AF, CELFT-15, 34, 44, 55, WANE-15, WICD-15, WCMU-14, WNPB-18, WUTR-20, WCHV-24, WCFE-57, WCPC-38, WFLD-32, WCIU-26, WSNB-44, WOUC-44, WNEO-45, WFYI-20, WHMB-40, WMBD-31, WUHQ-41, WEYI-25, WKAR-23, WSBT-22, WKJG-33, WPTA-21, WICS-20, KTVJ-16, KDNL-30, CFCF-12, KYFC-50, WBGU-57, W27AC, W39AA. E-Skip-----KTVI-2, KFWO-2, CBFT-2, KNOX-4, KEKE-3, KSRE-6 & others.

July 10 Tr WPEO-42, WKAR-38, Pittsburgh U's, WTAP-15, WOUC-44, WOUB-20, WNEO-45, W65AH, WENY-36, W63AB(WPTD-16).

July 23 Es 2000-2400 KUSD-2, KDIX-2, KTVS-3, KOTA-3, KDLO-3, KEKE-3, KJJB-4, Denver 2,4&6, Pueblo-5, Cheyenne-5, Fargo-6, KGFE-2, CFSS-3 Warmley, SK, & others.

July 24 Es 0730-1200 Dakotas, Colorado, Wyoming, Nebraska, heavy skip channels 2-6.

July 25 Tr WNDU-16, WUCM-19, all Detroit-Ann Arbor U's, WUHQ-41, WKAR-23, WEYI-25, Indianapolis U's and Dayton U's.

That's about it up to July 26. Totals now at 842.

Bill Fahber; 336 Atlantic St., Bridgeton, NJ 08302 EDT

"Here is my report for June-July. I know it's been difficult for you to put in mileages in your column, but I think they are useful and important. (I do to; I still haven't decided on the final arrangement for all the information I would like to put down. If I had a machine with elite type I would n't have this problem--wd.) I thought I'd try splitting my column into skip and tropo. As printed, each column should require no more than 24 spaces which would fit three columns on one sheet(75 spaces wide)and still include miles. Let me know what you think."(looks good to me--wd)

"Strong VHF Tropo to SW on 6/13 evening, but UHF is dead. On June 18 skip: Local CB DXer got openings to Louisiana and the southern tip of Florida which seemed to fit with my own observations. Evening college courses hindered skip observations on June 18, 8, 24, and 25. I was away on July 5-9 so I didn't see any skip those days.. (or tropo for that matter). WRBV-TV, ch. 65, Vineland TP seen for the first time 6/27 at 2240.

One interesting observation about the CBS-4 on July 4 was a triple image. I mentioned a double image in my last report on KMOX-4 (which might be the same station). While the usual in-out patterns of skip could be evidence of two reflection sources moving in and out of phase slowly, this triple image logging is more definitely the case. Each of the images would fade out simultaneously with another and occasionally all three would either be in strong or out completely. On a 27" screen, the second image was about 1 1/2" to the right of the first, and the third about 1/2" farther to the right.

During the heavy tropo night of 7/17 I caught a PBS on ch.2 at 2316 for only a few seconds; must have been skip or meteor scatter. No other signs of skip that night. Evening of 7/19: Tropo to NE opened rapidly at 2130 but SW remained weak until 2223, and then it also opened rapidly. On 7/28 KJRH-2 kept making its presence known and fading out from 2100 to 2330 and later. Probably the skip season's last gasp. WWAC-TV ch.53 in Atlantic City signed on for the first time around 5:30 P.M. on July 29, and began regular programming at 7:00 P.M. (and to think it took WWSG-57 seven months).

Except for (first time) Craddockville listings, all Virginia loggings are made only when signals are exceptionally strong, since weak signals are too common to report."

E-Skip

Table with columns for date (June, July 1981), time, and station details. Includes entries like '21 1558 Unided-5; NBC', '13 1945 fade out', '21 1600 MUF ch.2', '13 1900 " ch.3', etc.

Trops

June 1981
 11 2200 W6LAN DE 26
 xmtr at Summit
 Bridge, DE and
 beamed North.
 18 2230 Onancock
 xltrs
 2300 WJNH-8 CT 183
 2340 WATR-20 CT 186
 28 0830 WCVB-23 VA 183
 WXEX-8 VA "
 29 2300 WATR-20 CT 186
 30 2300 WVIT-30 CT 202

July 1981
 18 2300 WEDW-49 CT 168
 2335 W64AA NY 113
 19 0830 WEDH-24 CT t
 WCVB-23 VA 183
 hvy CCI from
 WAVY & WWBT.
 WYAH-27 VA 192
 WTVZ-33 VA 193
 41, 44 Onancock
 W60AL xltng
 WVEC-13 & WJZ.
 WHRO-15 VA 193
 WVIT-30 CT 202
 WGGG-40 MA 237
 WEDW-49 CT 168
 0840 WFTI-54 NY 172
 Poughkeepsie
 WLVI-56 MA 290
 Unided-13; not
 WJZ or WWBT.
 180 hz CCI over
 WKBS-48.

July 1981
 20 0600 over WAEC-7)
 0620 WNCT-9 NC 304
 22 2130 WFTI-54 NY 172; poor
 tropo night despite
 this.
 31 0700 Unided-64 NBC due S.
 W64AS phantom???

August 1981
 1 2210 WSEE-36 RI 257
 2250 WSEK-38 MA 290
 WLVI-56 MA "
 WVIT-30 CT 202
 2258 WSMW-27 MA 273
 2300 WJZE-25 MA 290
 WEDH-24 CT 207
 WATR-20 CT 186
 WJNH-8 CT 183
 10 khz CCI over WWBT-
 68 from WQTV MA 297
 2335 WWLP-22 MA 227

Comments

The end of July and the first part of August provided some excitement here as far as tropo activity goes. I started typing up this month's column a little sooner than usual because I was expecting a good number of reports. That's the reason for my opening remarks being less than accurate. Anyway, July 30, 31 and Aug. 1 provided some hot tropo activity from Louisiana (KLAA-14 was in here snow free) and to the east as far as Salisbury, MD (WM-DT-47 was seen). See my report for more details.--wd

July 1981
 4 0000 WDCD-19 MA 249
 WXEX-8 VA 183
 0030 WWBT-12 VA 180
 12 2232 WSEE-36 RI 257
 2330 WSEK-38 MA 290
 2333 Unided-56; Sp-
 anish; not KA2XEH.
 17 2210 WSEE-36 RI 257
 WJNH-8 CT t
 WVIT-30 CT 202
 WYAH-27 VA 192
 2240 13 khz CCI over
 WNJT-52; must
 be xltr.
 2250 Onancock xltrs
 2310 WHRO-15 VA 193
 2316 CBS-26; phantom
 18 0830 WXEX-8 VA 183
 15 khz CCI over
 WNVT-53; another
 xltr.
 0851 CCI over WETA-
 26; Onancock?
 Unided-11; not
 WPX; +10 off-
 set(CCI 0-120
 hz)
 2200 WJNH-8 CT 183
 2230 WVIT-30 CT 202

0840 WFTI-54 NY 172
 Poughkeepsie
 WLVI-56 MA 290
 Unided-13; not
 WJZ or WWBT.
 180 hz CCI over
 WKBS-48.
 2100 W44A VA 108
 WEDW-49 CT 168
 W60AI NY 111
 2150 WFTI-54 NY 172
 2223 WHRO-15 VA 193
 WYAH-27 VA 192
 WTVZ-33 VA 193
 2230 25, 41 & 44 On-
 ancock xltrs.
 2237 W63AM VA 130
 Craddockville
 2240 Xltr-Like CCI
 over 52, 58 NJ
 2245 WXEX-8 VA 183
 2357 W52AB VA 130
 Craddockville
 W58AK VA 130
 Craddockville
 WCVB-23 VA 183
 20 0600 WITN-7 NC 242
 (2.06 hz CCI

Robert Grant; 5775 Bishop, Detroit, MI 48224. (313) 884-3025 C2DT(EDT)

June, 1981
 30 Es 0240 KPRC-2 TX
 July 1981
 2 Tr? 0400 Unided-2(-)
 same direction as CK-
 CO, same offset & 3/4
 CBP.
 0515 Unided-3(Ø)
 resolution bars.
 4 Ms 0517 WCBS-2 NY
 seen several times.
 Es 0840 WEAR-3 FL
 1000 KDET-3 OK
 1110 KACB-3 TX
 1903 WEAR-3 FL
 1945 Unided-6;
 "Star Trek"
 1950 Unided-5; SS
 -3; "
 (Ø), not//toch.5.
 2000 KATC-3 LA
 2330 Unideds-3; NW

*=station seen through local
 July 1981
 5 Es 1940 KJAC-4 TX*
 2025 WRAL-5 NC
 Raleigh
 #239 & #31
 (see comments)
 2100 WCBZ-2 SC*
 previously-Ms
 7 Es 1230 WPBT-2 FL*
 WTHS-2 FL*
 (see comments)
 1300 WESH-2 FL t
 8 Es 1020 Unided-2
 "bullseye"
 1030 WEDU-3 FL
 1130 KIII-3 TX
 KETX-3 TX
 1315 WPBT-2 FL
 1320 ICR-5 Cuba
 (see comments)
 1325 WCIX-6 FL
 1600 Unided-3; 3/4
 CBP w/ss news

July 1981
 8 Es 1630 KATC-3 LA
 1637 Unided-6; 3/4 CB
 1700 WUFT-5 FL t
 1745 WPTV-5 FL
 2030 KACB-3 TX
 2130 KRGV-5 TX
 2200 KRIS-6 TX
 Corpus Christi
 #240
 2350 KATC-3 LA
 9 Es 0025 Unided-3; "San-
 ford".
 10 Es 0210 WTVJ-4 FL
 0215 WEAR-3 FL
 "CATV quality"
 0240 WERZ-2 LA
 0300 KDFW-4 TX
 Dallas #241
 Ms 0341 WNGE-2 TN
 11 2Es?0320 KREM-2 WA 1670
 Spokane #242 &
 #32(state).

July 1981
 11 2Es? 0410 Unided-4; sus-
 pect KOMO or KXLY.
 12 Tr 0110 WCHS-8 WV *
 Charleston #243

14 Es 0310 KOA-4 CO
 #244 Denver
 "CATV quality"
 0311 KDUH-4 NE
 KWGN-2 CO

17 Au 1900 hash, 3-5
 August 1981
 2 Tr 0210 WWUP-10 MI
 0320 see comments
 0432 WISC-3 WI

From Honor, MI:

July 1981
 26 Es 1553 WNBC-4 NY
 #110 New York.
 KYW-3 PA
 #111 Philadelphia
 1638 WMAR-2 MD
 #112 & #23 Baltimore

July 1981
 26 Es 1725 Unided-4
 "Lawrence Welk"
 Tons of tentative
 loggings.
 27 Tr 0415 WCML-6 MI
 #113 Alpena

July 1981
 30 Tr 0915 Unided-5 (Ø); 3/4 CB
 31 Es 1215 KWGN-2 CO t

ing KOCO and wouldn't have even suspected WRAL if I hadn't seen and heard the I.D. clearly.

WTHS is in use again. In a previous VUD some DXer said that WTHS was gone. WTHS is just another "brand" of WPBT and not a separate station.

The logging of ICR-5 Santa Clara, Cuba was wierd. The video had NTSC Standard sync and field rates! (15734 hz/60 hz) with SS audio 6 mhz above the video. This is contradictory to Bill Fahber's findings. (Not to say Bill is wrong, Cuba probably switched back to American standards). I do not know whether or not they were actually using NTSC color in their video.

If you look close enough at the cover of the Dec. 1980 VUD you will see "and I whistled and shouted when I I.D.ed Spokane" I was surprised to get KREM-2. (WJFK was off of course). Does anyone know how to tell the difference between single-hop Es and double-hop Es? (I don't think there is a positive way of doing it.-wd)

At 0320 on August 2nd I saw the most bizarre thing I have ever seen on ch. 5. The signal was strongest from the ENE to NNE. The station was xmitting 2 complete sets of sync bars. One set of sync bars was stronger than the other. When the picture was in sync I saw the out of sync (but steady) signal of CF10-9 Toronto complete with I.D.! It was still in when I went to bed at 0445.

WPEW-7 does not have a direct NBC feedline. (I know--wd) It gets it's NBC from the over-the-air signal of one of several NBC affiliates. (Usually WOTV or WJVM; and I've even seen WJMN.-wd) You can see many I.D.'s and news/weather bulletins from other stations. Since WPEW has a ch.4 satellite (WTOM Cheboygan) it is possible to see a WTMJ I.D. when you're really seeing WTOM.

I hope this year's trop season can bring at least 3 new UHF's. At Detroit my totals are currently 244, 97 UHF, 60 Es, 13 Ms, 1 Au, 1 Ls, 5 xltrs & 43 TPU's. 73's."

Greg Kelley; 211 St. Clair Ave. SW, New Philadelphia, OH 44663 EDT

July 1981
 10 Es 0900 KARD-3 KS 820
 KTIV-4 IA 730
 Tr 1100 WSWP-9 WV 190
 WCHS-8 WV 150
 WOVK-13 WV "
 WSAB-3 WV "
 11 Tr 2000 WSWP-9 WV 190
 WVVA-6 WV 220
 WOAY-4 WV 175
 WKPT-19 TN 265
 2030 WKPI-22 KY 215
 WTAP-15 WV 85
 WSWN-47 VA 240

July 1981
 11 Tr 2030 WKMR-38 KY 175
 WOWK-13 WV 150
 WSOC-9 NC 340
 Charlotte
 12 Tr 1900 WPTD-16 OH 150
 WKEF-22 OH "
 WLYJ-46 WV 110
 WCET-48 OH 200
 WETI-64 OH "
 2200 WSLA-10 VA 230
 WERA-15 VA "
 WSWN-47 VA 240
 WKPT-19 TN 265

July 1981
 12 Tr 2200 WSWP-9 WV 190
 WVVA-6 WV 220
 WOAY-4 WV 175
 WPTF-28 NC 300
 Raleigh
 WVIR-29 VA 230
 Charlottesville
 13 Es 0930 KNOP-2 NE 950
 1000 KMTV-3 NE 700
 1030 KLINE-3 NE 900
 14 Tr usual UHF from To-
 ledo, Detroit, &
 Cincinnati.

Total states now at 22...I've got a few personal items for sale should anybody be interested. Both are Archer antennas. A UHF yagi from several

Greg Kelley; continued--- years ago rated at 75 mi., never been used outside for 10 dollars plus postage. Also a "super color special" for \$14 plus postage. The VHF elements don't lock in, but a couple of small screws would hold it. Also, never used. If interested, drop me a card.

Been putting in a lot of overtime at work, so DXing hasn't been much lately."

George Rogers; 320 Lafayette Rd., Chickamauga, GA 30707 EDT

Table of TV station call signs and frequencies for George Rogers, organized by month (June 1981 and July 1981) and listing various stations like XEW-2, WLBZ-2, WHIC-25, etc.

George Rogers; continued---

Table of TV station call signs and frequencies for George Rogers, organized by month (July 1981) and listing various stations like WCBZ-2, CHFD-4, KPXY-4, etc.

July 1981

Table of TV station call signs and frequencies for George Rogers, organized by month (July 1981) and listing various stations like WMAA-40, KUSD-2, KRFB-4, etc.

Eastern TV-DX

George Rogers; continued---

Table with columns for date (July 1981), call sign, and location. Includes stations like KTVQ-2 MT 1824, KTWO-2 WY 1574, KOA-4 CO 1317, etc.

Total of 502 works out to 133 via UHF; 209 via E-Skip; 2 xltrs; 41+ states; 8 Canadian provinces; 9 Mexican states, for a total of 59 TPU's.

I came close to high band E-Skip twice on June 25 & 26 and on July 5th. I just hope to do what Glenn Hauser did on August 2 of 1975 and get to channel 13 or I may settle for Ms on channel 7 on August 12th.

Robert Goodman; 2030 Hering Ave., Bronx, NY 10461 EDT

Table with columns for date (June 1981, July 1981, August 1981), call sign, and location. Includes stations like 3 Es 1923-37 Unideds-2, 18 Es 1714-49, 2000-2205, etc.

WHT-68, NJ and WSNL-67, NY are //, but at least on Saturday, WSNL signs on earlier.

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

Table with columns for date (July 1981), call sign, and location. Includes stations like 8 Tr 0711 KDNL-30 MO 432, Es 2002 Unideds chs2-6, 2058 KRIS-6 TX 1295, etc.

September 1981

Eastern TV-DX

Bill Draeb; continued---

Table with columns for date (July 1981, August 1981), call sign, and location. Includes stations like 23 Es 1945 CHSJ-4 NB 1085, WLBZ-2 ME 925, WABI-5 ME, etc.

That logging of WMDT-47 on Aug. 1 was pure luck. I had my dish pointed at the Pittsburgh area hoping something else would come through, other than the stuff I usually see, and it did.

COMMENTS

I still keep getting late reports.(one came on the 10th.) Please get your reports in here by the 5th of each month.

September 1981

July 1981

Table with columns for date (July 1981, August 1981), call sign, and location. Includes stations like 31 Tr 0022 KLAA-14 LA 877, 1 Tr KNOE-8 LA t 0618, 0653 KLTM-13 LA 877, etc.

August 1981

Table with columns for date (August 1981), call sign, and location. Includes stations like 1 Tr 0003 WSKG-46 NY t, WBJA-34 NY t, WICZ-40 NY t, etc.

WESTERN TV-DX

September 1981

New _____ New Mode _____ Tentative - t Unidentified - unid

Charles George, 6407 Howard, Dallas, TX 75227

CDT?

My latest DX catches were on July 23 at 3 AM, KNCT-46, Killeen, TX, PBS; 8:25, KVUE-24, Austin, TX, ABC; 8:30, KLRU-18, Austin, TX, PBS; 8:30, KRIV-26, Houston, TX. I also received a unid on channel 3, a station with ABC programming. My set: Panasonic b&w TR-619A, my antenna: built in rabbit ears. 73's

Fred McCormack, 135 Prairiewood Drive, Fargo, ND 58103

CDT

July 1981	20 Es 1856 unid 2 sw	7 Es 1400 WBRZ 2 LA 1185
11 Es 1030 unid 2 NBC	2114 unid 2 CBS	1429 KPRC 2 TX 1195
13 Es 2100 KPRC 2 TX 1195	22 Es 2057 KPRC 2 TX 1195	1824 KMD 2 TX 1060
tr 2158 KRIN 32 IA 395	23 Es 2057 KENS 5 TX 1220	1829 KENW 3 NM 965
2331 KYIN 24 IA 310	2100 WBRZ 2 LA 1185	(MUF 107.9 @1852 OR)
2354 <u>K44AD</u> 44 MN 225	24 Es 0104 KNAZ 2 AZ 1120	1954 KING 5 WA 1195
(St. James KMSP-9)	(MUF 104.5 @0938 NM)	(MUF 107.3 @2004 WA)
2354 <u>K46AA</u> 46 MN 225	1013 unid 6 ABC	8 Es 1159 unid 2 CBS
(St. James KTCA-2)	(over local WDAY)	1511 unid 2 NBC
2354 <u>K48AA</u> 48 MN 225	1030 KENS 5 TX 1220	1956 WTVH 5 NY 1045
(St. James KSTP-5)	(MUF 105.5 @1116 Mex)	1959 WKYC 3 OH 835
2354 <u>K50AB</u> 50 MN 225	25 Au 0903 hash ch 2-13	2159 WAVE 3(IN) 810
(St. James KAAL-6)	August 1981	2204 WBTW 3 NC 1140
15 tr 2037 KMEG 14 IA 300	7 Es 0756 WBRZ 2 LA 1185	(MUF 107.3 @2216 SC)
2302 KETV 7 NE 385	0859 KATC 3 LA 1185	2359 WDIQ 2 AL 1195
18 tr 0829 <u>K30--</u> 30 MN 175	(MUF 93.3 @ 1139 LA)	
(Marshall KSTP-5)		

The Es to Washington state the evening of the 7th was by far the best I have noted from Fargo.



VHF-UHF DIGEST

the official publication of the
Worldwide TV-FM DX Association

NEXT MONTH

REPORT ON WJFPA'S 1981
CONVENTION IN
OKLAHOMA CITY --
WITH PHOTOS

UPDATE ON
EUROPEAN
TEST PATTERNS

FCC TV NEWS
REPORTS ON
THE FCC'S
UHF COMPARABILITY
TASK FORCE

LATEST DX REPORTS
-- GOOD SKIP IN
EARLY AUGUST,
BUT WHAT ABOUT
LATE SUMMER TROPO?

TECHNICAL TOPICS



Q: "As I travel, I notice on distant stations, certain 'pockets' where the signal noticeably fades out, and where moving forward a couple of feet on the road gets one out of it. What produces this effect on the car FM DX receiver?"

A: What you're noticing are small-scale "dead spots" caused by terrain and man-made structures. It's something you obviously never notice with your home FM DX receiver, because the receiving antenna at home is always more or less stationary, with respect to the surrounding neighborhood terrain. The dead spots represent small pockets of "shadowed" areas, where signal levels suddenly drop drastically in just a few feet of space. A 30 dB signal drop in just a few wavelengths of distance is not uncommon, especially in a rolling, hilly area. This represents a reduction in signal voltage of about 32 times--a drop down to about 3% of signal strength--in only 20 to 30 feet of distance. With that kind of drop in signal, you're obviously going to completely lose a signal that's weak to begin with by moving just a few feet. When moving through hilly terrain along the road at a typical highway speed, you'll travel through many such spots under normal conditions. When DX conditions are "up" with regard to tropo, you may begin to notice that you're hearing co-channel stations while driving through the dead spots. If you frequently travel the same route, you'll begin to learn exactly where these spots are. Some DXers refer to these areas as nulls--but they are not to be confused with the null that is characteristic in a directional receiving antenna--these are two different things.

Q: "Can I do anything to reduce this effect on a semi-local FM station that I like to listen to while driving to work every morning? Does this phenomenon have a name?"

A: It's commonly known as "picket-fencing" in amateur and professional two-way communications circles. Some people also refer to it as multipath, although it's a very different kind of multipath than the type caused by E-skip clouds or aircraft. In a sense, you're moving through many different signal paths as the car itself moves forward, so picket-fencing is a very apt way to describe it. A good quality car FM booster (with variable gain) can help quite a bit in some situations. The best way to go would be to improve the antenna, perhaps to use one with some directivity (which your car FM antenna--any car FM antenna--does not really provide), but this will be all but impossible unless you drive a van or recreational vehicle which lends itself to such modification.

Q: "How can I improve reception on a car FM converter, to use it for FM DX tuning while driving?"

A: You really can't get good DXing results with a car FM converter. These units are made to be able to tune in strong local stations only, and anything else you receive is either an image, cross modulation by-product, or lucky accident. If we sound skeptical about car FM converters, we suggest you compare one to a cheap portable AM/FM radio. You'll be amazed how much better the cheap portable is, in many cases. If you want to be able to tune in FM DX in the car, get a radio made to tune the FM band. Pioneer's car FM supertuners are excellent for this, and a much better value for the money than even the best converter. Your mobile FM DX antenna has to be very simple by necessity, and often has -2 dB or less gain than a simple dipole. To make up for this, you've got to have a good quality (i.e.: sensitive and selective) receiver in the car if you want to hear any kind of decent amount of FM DX in the car.

IN SEARCH OF

Donald L. Blevins
1715 Earhart Road
Baltimore, MD 21221
phone 301-574-2714

IN SEARCH OF PSE....This month's feature will attempt to focus in on two subject areas. The first subject area will encompass two metropolitan areas and a brief review on a previously covered area, the basics of discovering skip.

I make the statement review basically because in my first few features of IN SEARCH OF PSE, I made available lists of frequencies to try for on skip. An oversight on my part was to try to explain how to put this information to work. I've been at this game so long it's easy for me lose sight of what it's like to experience skip for the first time. Don't hesitate to ask questions if you have any; this is my function here. I might also add if you find me in error, tell me so. Information changes or can be incorrect as I have recorded in my in my information/data files.

My first segment of information came about from an overnight stay at my Uncle's House's outside of West Jefferson, North Carolina. The elevation at this point I understand exceeds 3,000 feet. I utilized a Bearcat 210 with a telescopic antenna supplied with the receiver.

This was the results of my spot surveys:

Tennessee State Highway Patrol 42.42 Elizabethton
North Carolina State Highway Patrol 42.60 Base/42.66 Newton
North Carolina State Patrol to Sheriff's or Police 155.19
Western North Carolina Point to Point 154.875
Western North Carolina Common Police Frequency 154.845
Common Ambulance Frequency 155.34

The next segment of information comes from an overnight stay at a campsite at Dickson, TN:

Metropolitan Police: (Nashville and Davidson County)

155.58 155.13 155.64 155.31

Garthage Police Department: 155.25

Various Police Departments: 37.26 (At one time most smaller police and sheriff's were on this frequency, but there has been a tendency to abandon this frequency in favor of UHF due to skip interference)

From convention headquarters in Oklahoma City, Oklahoma ~~uses~~ this information:

Bethany Police 460.45	OKC AAA 150.965
Canadian County Sheriff 37.10	Oklahoma Highway Patrol 44.70 Base/44.90 Mobile
Cleveland County Sheriff 155.55 154.265	45.22
Enid Police Department 155.52	152.27 Yellow Cab OKC/Norman
Forest Park Police 37.28	152.30 Safeway Cab OKC
Choctaw Police 37.02	152.33 ABC Inc. OKC
Midwest City 460.125	152.42 Northside Cab OKC
Moore Police Department 154.71 155.415	152.45 Midwest Cab Ada
Mustang Police 37.16	
Norman Police 154.74	
Oklahoma City Police 158.73 158.79 158.97 159.03 159.09	
Oklahoma County Sheriff's Department (The following Police are dispatched by Oklahoma County Sheriff's Department on 37.26)	

Midwest City Nichols Hills
Edmond Jones
Del City Luther
Warr Acres

During a typical skip opening, my first job is determine the direction of skip. From a standpoint of my location, provided I am following the opening from the start, I program frequencies for Florida. Since the Highway Patrol covers all of the state I begin with them (45.06).

Most of Florida is either UHF or VHF-High, but there is some activity on low, (mostly 45-46 mhz). Some of the frequencies used by municipal agencies in Florida are also used by municipal agencies in Mississippi, so when you notice the frequencies you've programmed for Florida seem to be receiving agencies from Mississippi, then you can assume the skip direction has changed to that area.

Mississippi has a point to point network on 45.22 mhz, and virtually all municipalities at least maintain a base on this frequency, including the Mississippi Department of Public Safety (Highway Patrol).

The Oklahoma Department of Public Safety also maintains a point to point network on 45.22 mhz, but only for DPS stations, so when Oklahoma becomes dominant, you might try DPS on 44.70 mhz.

My experience is that when Oklahoma, Mississippi, and Louisiana are in, so is Arkansas. Arkansas State Police operate on 44.74, 44.62 and 44.66 mhz. Louisiana State Police operate on 39.30 mhz and 39.50, sharing with various municipal agencies throughout the State of Louisiana. Arkansas municipal agencies operate on various frequencies from 37.02 mhz to 37.42 mhz. To determine which frequencies to use, place the frequency range from 37.02 through 37.42 in search.

Missouri and Kansas come in next, with Missouri Highway Patrol on 42.06, 42.12 and 42.38. Kansas State Patrol operates on 44.94 and 44.98. Kansas municipal agencies operate on 39.58. Kansas also operates a point to point network on 39.46 mhz.

When the skip intensifies, Illinois will be noted it's point to point network on 39.46, common use municipal network on 39.50 and various Illinois State Police from 42.34 - 42.84. Search these frequency ranges.

When the skip changes direction northward, try Nebraska State Patrol on 42.46 and Nebraska's common use municipal net on 39.90 mhz. By this time Minnesota State Patrol should be in on 42.54, 42.50, 42.64 and 42.92.

A slight shift northward produces activity on Wisconsin on 42.38 and Michigan on 42.58. You might also note that Michigan has a municipal net on 39.82. By this time Ontario Provincial Police are evident on 42.06.

Please keep in mind that what you will receive depends entirely on where you are located and what is located in a skip range from you. If you have any questions feel free to write. I might also note that for those located in the mid-west, the West Coast is a real easy E-skip range from you, so why not give California, Nevada Oregon, and Montana a try. California operates on 42.08, 42.12, 42.34, 42.40, 42.44, 42.46, 42.48, 42.50, 42.52, 42.54, 42.56, 42.60. Nevada operates on 42.54, 42.88, 42.94. Oregon operates on 42.54, 42.56, 42.86, 42.88, 42.90, 42.92, 42.94.

For those in the midwest, why not try North Carolina on 42.52, 42.60, 42.62 and 42.64. South Carolina should be an easy hit on 42.10 and 42.12. West Virginia also uses 42.10 and 42.12. New Jersey is a good try on 44.94, 44.98, 44.62 and 44.66.

With the hope of good DX in mind, let's put to use the information I have provided and have fun chasing down those signals that emanate from the stations you pay taxes to support in your own public interest.

DLB
Don

MORE F₂ TV DX?

The present sunspot cycle is in a decline, and the F2 DX activity peak is now well behind us, having produced astounding international F2 TV DX in late 1979 and early 1980. In late 1980 and early 1981, more opportunities for F2 TV DX took place, although they turned out to be rather limited, and not quite exactly the type expected.

A sunspot cycle declines much more gradually than it peaks. The two or three years after the peak are invariably full of more surprises and high F2 maximum usable frequencies (MUFs). This turned out to be especially true in Sunspot Cycle 19, which, after having reached peak activity, still produced unexpectedly good VHF F2 activity as late as 1960.

While the present sunspot cycle isn't exactly the same as cycle 19 of the late 1950's, it still is super, as cycles go. The F2 DX opportunities of the past few years promise to again repeat themselves--albeit briefly--in a rather limited way in the next few months.

What this means is that if you live in eastern North America, it will probably be your last good chance ever to hear French and British TV audio signals. If your DX location is in the western part of the continent, it will be your last good shot at watching video DX from Australia and New Zealand. And for many North Americans, it will be one last shot at a very iffy combination of propagations (E-skip plus transequatorial scatter, etc.) teaming up to produce TV DX from South America.

Chances for F2 DX are very good in the late fall months. Specifically, late October through mid-December should be the best period, with another likely concentration possible later into the winter, in January and February. In all likelihood, any transAtlantic F2 TV DX in general, and 45 MHz British TV video in specific, will come in the October-December slot.

It may not be worth it, at this late date, to try to modify a U.S. TV set to receive 45 MHz British video. But if you still care to try, the best method is detailed in the January 1980 VUD issue by Morrie Goldman.

British and French TV audio signals won't be in as much as previous years either--but should be easier to try for than video, of course. If you have DX gear that can tune the 30 to 50 MHz range, be sure to check 41.25 for French, and 41.5 for English TV audio programming.

The time to start checking will be as early as 0730 local time, for DXers in eastern North America. One interesting thing about this year's activity is that it may turn out to be better than last year's, for those looking for 45 MHz British TV DX. Although this might seem contradictory, with the sunspot activity on the downward trend, some DXers feel that the fact that the MUFs will peak closer to 45 MHz this year. One peculiarity about F2 skip DX is the fact that the best DX tends to come right at the MUF--having the F2 MUF above 50 MHz is actually "too high" for the best 45 MHz DX conditions.

Once again this year, the message is: be prepared. There still could be some truly international TV DX. Surprises have been a very frequent aspect of the current sunspot cycle--even as it declines. Just ask Staten Island DXer Jerry Pulice, who caught snowfree video on 45 MHz from New Zealand last March!

Watch the VUD for reports of any F2 DX on VHF in coming months. Now's the time to start checking that scanner for transcontinental loggings on 30 to 50 MHz. The E-skip season is over--but another kind of skip is just getting started.

-bt