

Wf-Uh DIGEST

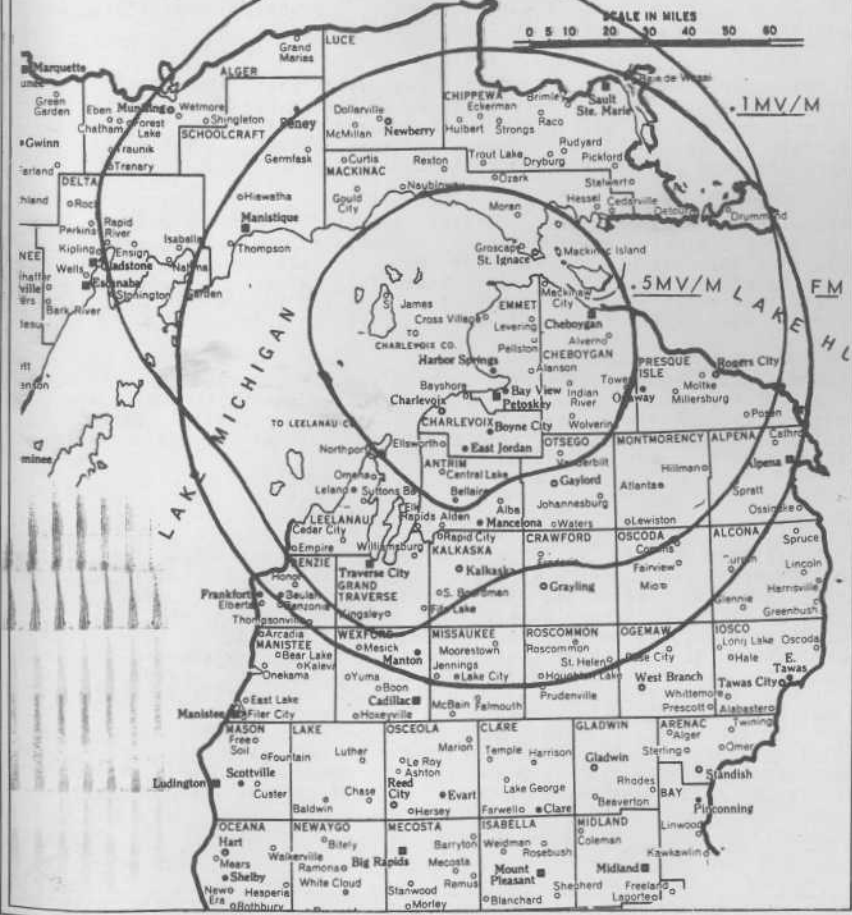
The Official Publication of the Worldwide TV-FM DX Association

SEPTEMBER 1990

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COVERAGE AREA



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11/90
WILLIAM N NOLLMAN
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GLASTONBURY CT 06033



From The STAFF

A BIGGIE!...We promised a large issue for September--here it is! Part of the reason for this is the numerous reports that can be found in the DX columns. While E-skip did not quite repeat the early-season spectacular performance, it did continue with a quite a few interesting (but widely-spaced) openings well into August. If nothing else, 1990's summer sporadic-E activity has been a very good example of one of the key mysteries of E-skip signal propagation--the geographical variation in the distribution of openings that takes place from year to year. It will also be remembered for high band and double-hop skip, both of which were noted by some lucky DXers. Next month's VUD is not likely to be quite as loaded with skip reports. However, it may be filled with tropo DX reports--as we go to press, rapidly improving late August tropo TV/FM ducting conditions are building across Midwestern regions of North America.

WTFDA CONVENTION 1991, ANYONE?...Who will host the 1991 WTFDA convention? If you want to volunteer, you must put it in writing by October 1. Address your bid to: WTFDA Board of Directors, PO Box 514, Buffalo NY 14205-0514. A membership vote decides the site only if more than one bid is received by that date.

NEW WTFDA SUPPLY MANAGER...Veteran DXer and longtime member John Ebeling has offered his services to the club as new supply manager, a position that has been vacant many months. That means that we'll be able to offer items such as back issue VUDs for sale to members once again! Be watching upcoming VUDs for lists and information on how to order. Many thanks to John for coming forth to help out!

COLUMN NEWS...Computer hardware problems have put the TV CCI (UNIDENTIFIED DX) column on temporary hold...SATELLITE NEWS' annual rundown on television services available on the C-band "birds" is featured in this issue--and next month will look at the audio services carried on the same satellites...

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Thanks to FCC FM NEWS' Bruce Elving for providing this month's cover.

Television news

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ABBREVIATIONS USED IN THIS COLUMN:

AATm	Height (meters) above average terrain
AG	Antenna height above ground
ASL	Antenna height above sea level
AZ	Azimuth (North=0°)
BT	Beam Tilt
CP	Construction permit
CRTC	Canadian Radio-Television and Telecommunications Commission
DA	Directional antenna
ERP	Effective Radiated Power
FCC	Federal Communications Commission (USA)
HOR	measured along a horizontal plane
MAX	In the direction or elevation of maximum signal strength
MP	Construction permit modification
TL	Transmitter or tower location
+	carrier frequency offset 10 kHz above standard
-	carrier frequency offset 10 kHz below standard
Z	carrier frequency not offset

APPLICATIONS FOR NEW TELEVISION STATIONS

ST	CH	ERP	AATm	CITY/APPLICANT
LA	62	5000	585	Hammond; Pontchartrain Bcng. Co. Inc. (reinstated)
LA	54	5000	280	Slidell; Trudy M. Mitchell
LA	54	14	153	Slidell; Unicorn/Slidell LPTV
ND	19	405	179	Ellendale; Prairie Public Broadcasting Inc. (amended)

APPLICATIONS DISMISSED

LA	New Orleans; ch. 20; Crescent City Broadcasting Corp.; Swan Broadcasting Ltd.; Tucker Broadcasting Company. (initial decision)
LA	Slidell; ch. 54; Trudy M. Mitchell.
NV	Las Vegas; ch. 15; PZ Entertainment Partnership. (Review Board decision)
NC	Raleigh; ch. 50; The L Broadcasting Corp.

CONSTRUCTION PERMITS GRANTED

ST	CH	ERP	AATm	CITY/APPLICANT
FL	35	5000	429	Miami; Miami Latino Bcng Corp. (FCC decision)
LA	62	5000	425	Hammond; Florida Parishes TV Ltd.
LA	20	5000	276	New Orleans; Delta Broadcasting of Louisiana Ltd. (initial decn)
MS	51	5000	440	Jackson; JAM Communications Inc.
PR	50	2000	342	Aguada; Channel 50 TV

CONSTRUCTION PERMITS CANCELLED

ST	CH	CALLS	CITY
GA	64	WGNM	Macon
KY	16	WLCT	Somerset
MI	46	WSKA	Port Huron
LA	62	----	Hammond (Florida Parishes TV)

SEPTEMBER, 1990

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

ST	CH	ERP	AATm	CALLS	CITY
AZ	46	4898	618	---	Green Valley (Sungilt Corp; amended)
CO	53	5000	191	KWHD	Castle Rock
FL	58	100	50	WAWD	Fort Walton Beach
MI	18	8.91	73	WHTV	Jackson
NY	48	207	125	WYDC	Corning
TN	50	5000	239	WPGD	Hendersonville
TX	29	2570	141	KMPX	Decatur (amended)

CONSTRUCTION PERMIT MODIFICATIONS GRANTED

ST	CH	ERP	AATm	CALLS	CITY
FL	59	4966	289	WJEB-TV	Jacksonville
FL	62	4650	167	WBSV-TV	Venice
GA	64	52	185	WGNM	Macon
MS	40	5000	192	WBUY	Holly Springs
NY	48	207	125	WYDC	Corning
NC	35	1865	250	WJAE	Jacksonville
PR	36	1480	329	WDWL	Bayamon (data questionable)
TN	50	5000	239	WPGD	Hendersonville
WV	60	3923	307	WYVN	Martinsburg

APPLICATIONS TO CHANGE EXISTING FACILITIES

ST	CH	ERP	AATm	CALLS	CITY
AZ	11	-	-	KMSB-TV	Nogales (cp; change city of license to Tucson)
CA	50	398	939	KFTY	Santa Rosa (cp)
MA	68	1350	249	WQTV	Boston (cp)
MD	47	2190	305	WMOT	Salisbury (mp)
NM	48	5000	134	KZIA	Las Cruces (mp)
NC	28	5000	585	WPTF-TV	Durham (cp)
NC	5	100	306	WRAL-TV	Raleigh (cp)
NC	47	2000	186	WFXB	Rocky Mount (mp)
OH	53	5000	364	WWAT	Chillicothe (cp)
TN	66	2250	167	WJFB	Lebanon (cp; What about the CP in 12/88 VUD?)
TX	57	5000	585	KRTW	Baytown (cp)
VA	29	5000	362	WVIR-TV	Charlottesville (cp)
VA	15	3112	634	WBRA-TV	Roanoke (mp amended)
WI	25	560	306	WLAX	La Crosse (cp)

CHANGES GRANTED STATIONS ON THE AIR

AL	Montgomery; WH0A-TV, ch. 32; granted license to cover mp for changes; ERP raised from 1120 kw max/813 kw hor to 4600 kw max; 548m AAT/540m AG/625m ASL (297m higher ASL); TL Az. 212° (between SW and SSW) TL 2.9 km from Gordonsville; coordinates 32°08'30"/86°44'43" (Az. 222°, or SW, 20.8 miles from former TL). This should spread their coverage area quite a bit SW to W of Montgomery, with little change in the direction of Montgomery; also looks like better DX with its improved signal strength and much higher tower.
CA	Santa Rosa; KFTY, ch. 50; granted cp to raise ERP from 302 kw max/209 kw hor to 398 kw max. No big change here.
NM	Las Cruces; KZIA, ch. 48; granted mp for changes; compare cp grant in 12/88 VUD

(then KASK-TV); mp still proposes increase from 80 kw to 5000 kw max; 134m AAT/143m AG/1399m ASL (160m higher ASL); TL 9 miles ENE of Anthony; coordinates 32°02'30"/106°27'41" (Az. 134°, or SE, 26.01 miles from present TL).

NY Jamestown; WTJA, ch. 26; granted CP to reduce ERP from 659 kw max to 461 kw max; same TL and height; DA BT.

NC Raleigh; WRAL-TV, ch. 5; granted CP to reduce antenna height 11 meters (from original height before losing the tower) to 604m AAT/599m AG/695m ASL.

OH Chillicothe; WWAT, ch. 53; another one of these complicated messes. The station was granted a cp a few months after its 8/31/87 sign-on to raise its antenna 172 meters while remaining at 5000 kw ERP. I never heard any more about that permit. Now it is granted a license to reduce ERP from 5000 kw max to 2000 kw max. And a few days later it applied for this CP to raise ERP back to 5000 kw max and raise the transmitter 164 meters higher to 364m AAT/354m AG/589m ASL.

OR Klamath Falls; KOTI, ch. 2; granted cp to raise ERP from 35.5 kw max to 85 kw max; lower antenna 8 meters to 671m AAT/47m AG/2001m ASL. Neither of two references mention a change in TL or new coordinates, but the existing TL is 4 miles ESE of Klamath Falls, and the proposed TL is on Mount Stukel, 15 km (9.3 miles) SE of Klamath Falls. This should make for better E-skip DXing.

TN Lebanon; WJFB, ch. 66; granted license to cover cp for changes; ERP raised from 100 kw max to 250 kw max (BROADCASTING magazine reported 2250 kw, probably a mistake; can anybody confirm?); 161m AAT/79m AG/350m ASL (little change, if any, in height); same TL.

TX Dallas; KDFW-TV, ch. 4; granted license to cover cp for changes; antenna height reduced 13 meters ASL to 511m AAT/456m AG/703m ASL; TL intersection of Belt Line Road and Mansfield Road, Cedar Hill; coordinates 32°35'06"/96°58'41" (Az. 208°, or SSW, 0.23 mile from former TL.

WA Richland; KTNW, ch. 31; granted cp to raise ERP from 57.2 kw max/21.2 kw hor to 70.5 kw max; raise antenna 3 meters to 370m AAT/17m AG/685m ASL; same TL. Don't get your hopes up.

WY Rock Springs; KGWR-TV, ch. 13; granted license to cover MP for changes; see 7/90 VUD.

CALL LETTER GRANT: EXISTING STATIONS
ST CH CALLS CITY/APPLICANT
CA 62 KRCA Riverside; KSLD

NEW STATIONS ON THE AIR

CA Fort Bragg; KFWU, ch. 8-, went on the air 5/1/1990; 225 kw max ERP; 746m AAT/45m AG/1328m ASL; TL Cahto Peak, 3 miles northeast of Branscomb CA; coordinates 39°41'38"/123°34'43"; BT HOR; ABC affiliate, satellite of KRCR-TV, ch. 7, Redding CA; address: California-Oregon Broadcasting Inc., 755 Auditorium Dr, Redding CA 96001.

CA San Luis Obispo; KADE, ch. 33z, went on the air 1/21/1990; 60.3 kw max ERP; 440m AAT/23m AG/778m ASL; TL Guesta Peak, San Luis Obispo County; coordinates 35°21'38"/120°39'21"; independent station; address: Community Media Corp., 414 JHiguera St., Suite B, San Luis Obispo CA 93401.

FL Key West; WETV, ch. *13z, went on the air back in July, 1989 (confirming John Combs' comments in the 7/90 VUD that "it has been on the air for quite some time." 316 kw max ERP; 142m AAT/141m AG/142m ASL; TL 19 miles east of Key West on Cudjoe Key, 0.9 mile north of U.S. 1; coordinates 24°40'35"/81°30'41"; independent educational station; address: Palmetto Broadcasters, Box 321, Summerland Keys FL 33042.

FL Fort Pierce; WTCE, ch. *21-, went on the air 5/9/1990; 3097 kw max ERP; 147m AAT/143m AG/149m ASL; independent educational station; address: Jacksonville Educators Broadcasting, 1040 S. 37th St., Fort Pierce FL 34947.

PA Philadelphia; WYBE, ch. *35-, reported in the 7/90 VUD; address: Independence Public Media of Philadelphia, 6117 Ridge Ave., Philadelphia PA 19128.

WI Racine; WJJA, ch. 49+, went on the air 1/27/1990; 2670 kw max ERP; 143m AAT/126m AG/339m ASL; TL 4401 E. Oakwood Rd., Milwaukee County; coordinates 42°51'18"/87°50'41"; independent station; address: Racine Telecasting Co., 4311 E. Oakwood Road, Oak Creek WI 53154.

STATIONS OFF THE AIR

ST CH CALLS CITY
OK 41 KGCT-TV Tulsa (2/1/1989)
PA 19 WFAT Johnstown (5/13/1990)
SC 40 WAXA Anderson (8/1/89)

NETWORK CHANGES

SI CH CALLS Now Was CITY
KY 11 WHAS-TV ABC CBS Louisville
KY 32 WLKY ? ABC Louisville
NY 49 WNYB-TV ind FBC Buffalo
NY 29 WUTV FBC ind Buffalo
TN 24 WPTY-TV FBC ind Memphis
TN 30 WLMT ind FBC Memphis
TN 30 WXMT HSN FBC Nashville
TN 17 WZTV FBC ind Nashville

FORUM

More information about TV Marti from a recent issue of BROADCASTING: TV Marti was broadcasting on channel 13 from 3:45 to 6:45 in the morning;

CALL LETTER APPLICATIONS: EXISTING STATIONS

ST CH CALLS CITY/APPLICANT
CA 62 KRCA Riverside; KSLD
NY 50 WNNY Watertown; WFYF
NC 47 WFBE Rocky Mount; WFXB

CALL LETTER GRANTS: NEW STATIONS

ST CH CALLS CITY/APPLICANT
CO 50 KSHP Denver; KTDC
GA 23 WELF Dalton; WYDJ
MI 53 WLAJ Lansing; WLAJ-TV
MT 23 KMTF Missoula; KLEF
OR 28 KEPB-TV Eugene; KEPB
WA 24 KPMP Pullman; P-N-P Broadcasting Inc.
WV 60 WYVN Martinsburg; WEWV

but had to change its schedule on July 2 when Havana channel 13 began operating at 6:00 a.m. It now operates 3:30 to 6:00 a.m. from a balloon 10,000 feet above Cudjoe Key. It covers Havana with a Grade A signal, yet creates no interference to U.S. or foreign television. Broadcasts are heavily jammed.

Two interesting articles from JOHN BOLDOUC (Londonderry NH) in the 7/8 and 7/15 issues of the *New Hampshire Sunday News*. Continental Cablevision, the fourth largest cable system in the United States, is proposing CBS affiliation for one of its cable channels in Concord NH. "New Hampshire viewers have gone to out-of-state stations...since the former WNHT, Channel 21, threw in the towel on a 14-month experiment as a CBS affiliate and signed off for good on March 31, 1989. Plans by Boston Phoenix publisher Stephen Mindich to acquire Channel 21 from the Flatley Company for a reported \$1.5-million do not include CBS programs." "Area broadcasters are watching developments closely. A first-of-its-kind arrangement between CBS and Continental is generally seen as undermining a network system that began with radio."

The 7/15 article deals more specifically with WNHT. "A potential competitor has complained to the [FCC] about plans to put Concord's dormant Channel 21 back on the air as a sister station to a Massachusetts TV outlet. John Fergie, executive vice president and general manager of WGOT, Channel 60, contends that the FCC 'would be putting a Boston station in our state capital' if it goes along with a proposal developed by Boston Phoenix publisher Stephen Mindich. Mindich's Rogue Television Corp. is in the process of buying WNHT from the Flatley Company. for a reported \$1.5-million and has outlined plans to telecast satellite-delivered Star TV programming and local shows over Channel 21 from studios located in Boston. Channel 21 would carry many of the same programs as WHRC-TV, Channel 46, which Mindich hopes to begin operating south of Boston. Fergie said he filed an informal objection with the FCC to call attention to the areas where he believes Mindich's concept violates agency regulations.

"Mindich has asked the FCC for a waiver of duopoly rules regarding signal overlap for Channel 21. Fergie maintains that FCC rules forbid any overlap of the outer edge of either station's signal pattern, referred to as the Grade B contour. He said the two stations would have to be located 82 miles apart to prevent signal overlap. Fergie is also rankled that Mindich doesn't plan Concord studios. 'The FCC requires the main studio to be within the city grade contour,' according to the Channel 60 executive. Channel 21's city grade signal won't even make the Massachusetts border, let alone go over Boston, he added. Mindich could operate either Channel 21 or Channel 46 but should not be allowed to have two TV stations in the same market, Fergie argued. 'We're licensed to serve the needs and interests of the community. I don't know how you can do that from Boston. I'd be really surprised if it goes through because it's so contrary to the commission regulations,' Fergie said.

"Mindich, when informed of WGOT's objections,

said: 'My feeling is that the station was on the market for 14 months and nobody bought it. The station's off the air and there's no prospect of it going back on the air. Nobody gave me the station. It wasn't free. I stepped up to the plate with a plan I hope will work to provide the marketplace with programming which it doesn't have at all now. Mindich said he could have applied for satellite status, which would permit Channel 21 to simulcast Channel 46 programs. He opted for a sister station arrangement so that 'efficiencies and economies of scale' can make some local programming possible through independent producers based in New Hampshire."

I quoted extensively from this second article to bring out Fergie's sheer hypocrisy in this matter. The FCC has on many occasions granted exceptions to its own rules, and this case is typical. And Fergie becomes the self-proclaimed defender of the FCC rules only when it affects his profits. As if the FCC needs somebody from the outside to tell it when somebody wants permission to violate regulations. And Fergie thinks that the needs and interests of the community can best be served by depriving it of another television station? Come on! He pretends to be a defender of the public interest while in reality he's out to protect his own greedy interests.

I'm sorry, but some of these two-faced broadcasters burn me up.

From JOHN ZEIS (Exton PA): "WYBE, Ch 35, Phila was first seen with low power testing 2 June (color bars and no audio). Programming began Sunday 10 June. Schedule is 4 hours per day - 7 pm to 11. Most programs are tapes made by other public stations. Although the Phila Inquirer had a feature on the station in May, no listings are carried (or even an acknowledgement of start of operations). Signal strength is excellent here at my location about 22 miles west of the transmitter. The antenna is side mounted on the WTXF tower (ch. 29. -wbf). Just below the Ch 35 antenna, I believe is the antenna for the Ch 42 Univision translator.

"Also new to the airwaves is W46BL, the Allentown translator for WGBS (ch. 57 Phila. -wbf). Signal quality here, about 40 miles distance, is good (almost snow free) and much better than from the Ch 26 WNEP translator.

"DXers with MTS receivers should note that the SAP channel can provide assistance in station identification. In this area WGBS and WGAL carry local (Phila and Lancaster) NWS weather radio full time. Also, rush hour traffic reports have been heard on WFMZ. The only other SAP activity noted here are 'talking books' on NJ public TV Chs 23 and 52."

LESLIE PRICE (Wilmington NC) writes, "Since Interstate 40 has opened up between Wilmington and Barsto, California this area has been a boon town. Now there is more debate about Ch. 10 a full power station." (There is a proposal to add a ch. 10 assignment to Wilmington, which would change the offset of WAVY in Portsmouth, -wbf) "Do you know where WAVY Ch. 10 Portsmouth has moved their tower? (I can't find anything saying they planned to move it. It should still be in Driver, VA. -wbf)

"W10BZ tower and studio is 1 block from I-40

Just NE of Wilmington." "Also, it is impossible to get Ch. 8 in this area. I believe the antenna is about 800 ft. and on the outer banks of the Carterette Co, near Cedar Island."

From the 7/19 *Washington Morning Star*: Many people are showing an interest in launching a Channel 10 in Wilmington, but the developer of a low-power television station says those moves will not affect his plans to go on the air Sept. 1. A group called Wilmington Minority Broadcasters has petitioned the [FCC] for rights to build a full-power VHF-TV station, to broadcast on Channel 10, at a site about 31 miles northeast of Wilmington." (Let's get this story straight, since the journalists can't. They applied to have a channel 10 allocated to Wilmington. If that is done, then anybody can apply to construct a television station. I suspect the 31 miles northeast is to provide minimum mileage separation from WIS-TV in Columbia SC.) "In January, 1989, the FCC allocated Channel 10 to a low-power TV station, WIOBZ, which Greensboro lawyer Philip Bolton wants to launch as a Fox network affiliate."

"The FCC's complex rule-making action, RM-7183, released July 5, would also require a partial amendment of the channel allotment to WAVY Television Inc., which operates Channel 10 in Portsmouth, Va. To my understanding, the Portsmouth station moved its transmitter, so that there is now a window for a Channel 10 station between Portsmouth and Columbia," South Carolina, Bolton said." As I said, I see no record of proposed changes there.

On WIOBZ, Leslie sent this article: "With a little luck, Wilmington's sixth television station will be on the air in time for Labor Day. With a little more luck, it will be a Fox affiliate. Co-powner Philip Bolton said he hopes to have WIOBZ, a low-power VHF station, broadcasting by Sept. 1. The new station, which will broadcast on Channel 10, recently had its transmitter tower erected near its studio at 5223 Market Street. Bolton, a Greensboro lawyer, also said he is trying to affiliate with the Fox Broadcasting Co.... 'They seem interested,' Bolton said in a telephone interview. 'Fox has a stated policy to be skeptical of low-power TV stations, but it has two licensed itself.'" "The station must clear one more legal hurdle from the FCC, the granting of a final designation of license. Toward that end, Bolton and his partner, David Anthony, who will be the new station's engineer, have been running signal tests in recent weeks. If approved, WIOBZ would be the second low-power TV station in the Wilmington market. W20AL, a religious station operated by Good News TV Broadcasting Inc., has been broadcasting on Channel 20 since March 1989."

Also from Leslie, "Jacksonville's WJAE-TV 35 proposes a 820 ft. antenna 11 miles N.E. of Burgaw, N.C. State Road 1318 [coordinates] 34 37 27 N & 77 49 58 W. Power will be 1,865 kw (vis). Also, WRAL-TV-5 has proposed 100 kw (vis) 1,981 ft. 1.6 miles S.E. Auburn, N.C. 35 40 35 N & 78 32 90 W (Leslie, double check those coordinates. -wbf). I believe WRAL-FM will be on the same tower. Also, WPTF has plans for a 2,000 ft. tower in the same area."

A few letters from TODD BRYANT (Nashville TN):

"The fellows at Warren Publishing who made us the recent offer on 1988 TV Factbooks called today to sound me out on another proposal. The firm sends sales reps to various cable conventions and on occasion purchasers of current editions are interested only in Volume 2 (predominantly cable info) and would like to dispose of Volume 1 (the 'stations' section which is of primary interest to DXers). I told him this would probably be of interest and we agreed that if and when such single copies of Volume 1 become available he will contact me and I'll notify WTFDA members in the VUD. Interested parties would deal directly with the company or individual desiring to sell...including negotiating a price, probably about \$50 (if not quoted in the original notice). Be on the lookout for periodic availabilities of Volume 1. We'll see how this works, and if it's unsatisfactory in any way we'll terminate the program."

In another letter, "WTVF is now airing a live local newscast at midnight and then goes into a satellite 'News Channel' service until 5AM weekdays. Late Sat., early Sun. AM they don't start the news feed until 2AM and run it until 6 AM; and late Sun./early Mon. regular programming ends at 2AM and they sign back on at 5 AM. The interesting thing about the overnight news is that they have 'shrunken' the picture and the 'NewsChannel 5' logo is always on screen (lower 1/5 of picture-centered). No call letters are seen, but it ought to be easy to spot."

"Another thought. Late nite DXers who see CNN Headline News on 2 need to be aware that WSB (GA) and WKRN (TN) both air that service overnight. At least the last time I saw WSB that's what they were doing. Could be misleading and lead to incorrect solutions for unids."

And in a third letter: "Regarding your comment on the 'b&w ID slide that WTVF used to run all night...I think that brand of root beer must be regional...we don't have it down here. Still, the thought of a root beer bottle on the screen all night is amusing." (My mistake on one thing, I found out that the root beer is A&W, not B&W. -wbf)

"**BWARE OF FALSE OMAHAS!** WSIL-TV (3) in Harrisburg, IL runs ads for OMAHA FURNITURE (huge lettering) in Omaha, Illinois. It would be easy for DXers to see that and be misled to think they were getting KMTV (3) from the REAL Omaha! (Commercials can be misleading. One time I saw a CERTS commercial and thought I had Canada. -wbf)

"Hey, it's a good thing that KWQC didn't run the 'vintage' WOC-TV 5 slide during the peak of the Es season! Can you imagine seeing that sucker on channel 6...in 1990...and trying to figure out what the @%?# was going on?"

From JAMES J. NAHIRNIK (Warren MI): "Warn your readers that if they see WJBK-TV 2 IDs and programs on UHF channel 38, they are watching WADL-38, Mt. Clemens MI. WADL-38 is currently operating Channel 2's 5pm newscast at 8-9:30 p.m., and channel 2's 6pm news from 9-9:30. In addition, the 11pm news is simulcast on both stations."

Running out of space. More from James, Dave Sinclair and Bill Nienejadly next month. Please excuse any spelling and typo errors this month.

FCC FM NEWS

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Readers' Reports

Larry Fuss reported in from his travels in ID, confirming that KINAQ Rupert is silent (apparently not on its old frequency of 92.1 or its new 92.5 channel—possibly in the process of moving). The station in Clabbeok, monophonic KRCD-FM 98.3, "had an awful signal and even worse audio processing. Sounded like they were barely on the air." Not the most robust possibility for DXing, I'd say.

Dr. J. J. Rosenberg comments about what Tim Hendel asked regarding hearing 99.1 in Toronto: "During July 5-15 incl., an experimental demonstration of digital radio took place in Toronto. In order to compare to conventional radio, they rebroadcast various AM and FM stations on 99.1 as part of the demonstration." Joel has written an article for the VUD on this, and he mentions the tests were to have moved to Montreal and Vancouver in August.

Another Canadian reader, Mike Cherry, points out the excellent article in the July, 1990 "Popular Communications" by one Alice Brannigan on Edwin H. Armstrong. "Definitely required reading by us FM enthusiasts! There is a good picture of the original tower erected by Maj. Armstrong as it looks today. It would be well-worth ordering this issue a back-issue through the publication."

"I have been way too busy to get hold of CBC Engineering in Vancouver regarding the latest batch of relayers of originating station CBU (690 AM service) but have noticed announcements on both AM (gaspl!) and FM services mentioning some of the frequencies/QTH that I gave you. I'll try to get this, or perhaps Dave Sinclair can call them. ... My subscription to 'FMedia!' expires Dec., 1990. Enclosed is \$50.00 U.S. to extend the subscription for another two years. I have enough faith in FMedia's ability to survive to confidently extend for two years! It's a great publication and a super-companion to your 'FCC-FM' News column (which doesn't pay the bills!)... I should get this in the mail to you and try and get a report written for Fred McCormack's TV column."

Frank Merrill, like myself, missed this year's WTPDA convention. He was to have been at a high school reunion. He hates to see all the power upgrades, especially on formerly only Class A FM frequencies—all of which can conspire to ruin DXing. He'd like the Atlas to list formats by frequencies, and I considered that when Ernie Cooper asked for such. I don't have the time to punch in all that information there, and it would be too cluttered to print out. He also suggests the TX map be redrawn, possibly combining it with neighboring states, like the TX panhandle with OK. Trouble is, OK is optimum size, and were I to include the TX panhandle OK would have to shrink. Not the 1990 edition, but possibly the edition or so after that will see an improved TX. NM, too, is optimum size, and should not be reduced to show the El Paso-Fabens area on it.

Frank accuses me of jumping the gun and showing stations on frequencies they'll move to before they actually do. He says the "M Street Radio Directory" doesn't. Well, let's compare. He uses as an example his local WJEQ Macomb, which I showed on 102.7, with no entry on its previous frequency, 103.1. "They didn't move to 102.7 until two weeks after I got my Atlas!" I'd say that was excellent timing; for most of the life of the book you had the station on its correct frequency! I show stations with their CP status, which includes

powers and frequencies—not former facilities. When it is likely a station is stalling in changing frequency or in coming on the air, you'll see a notation on the maps, "moving from" or "off the air."

Since you asked, Frank, let's take this month alone. The following stations have changed frequency or are about to: WFFN Codova AL from 92.9 to 95.3, KBSS Booneville AR from 92.1 to 104.7, KMTS Glenwood Springs CO from 92.7 to 99.1. I struck out on KAVI-FM Rocky Ford CO, which will not be moving to 95.5; it is still on 95.9, but is seeking 95.3. It did have a CP for 95.5, but apparently got the channel changed and did not move. Also, WRAJ-FM Anna IL from 92.7 to 96.5, KCMR Mason City IA now on 97.9, having moved from 98.3, KQQF Coffeyville KS now on 98.9, having just moved from 92.1, WCOZ Paris KY moving from 96.7 to 96.9, WIDL Carol MI now on 92.1 (from 104.9), KZBK Brookfield MO from 97.7 to 96.9, KEMX Locust Grove OK 94.5, not to come on previously-announced 100.7, KYQT Newport OK 102.7 from 102.5, KVHT Vermillion SD 106.3 (having moved from 102.3), WRJT Monterey TN 106.9 from 107.1, WJMA-FM Orange VA making a sudden switch from 96.7 to 98.9, and WAZR Woodstock VA 93.7, having moved from 95.9. I expect most of these changes will be made within six months, and as such the old frequency can be ignored; you can keep your own records of stations about to change, if you wish. Now if the M Street Radio Directory does a better job of showing stations on their true frequencies than the FM Atlas, let's do a little comparing—my 1989 FM Atlas with the 1990 M Street Directory. Let's only compare stations that have made the frequency changes from the above list. For KCMR, M Street only shows 98.3 listed—you DX 97.9 and hear something, wow! it's KCMR—"how come?" you ask? My 1989 book also shows it on 98.3. Even worse, the M Street book shows KQQF Coffeyville KS as 92.1 (and no mention of 98.9), while my much older FM Atlas says about KQQF, "to go to 98.9." Again, in M Street, no hint that WIDL Caro will move to 92.1. KWNG 105.9 Red Wing MN has been on that frequency (from 105.5) for months, but M Street lists it as 105.5, with an application for 105.9. KVHT is listed under previous call letters of KVRF in M Street only under 102.3, with no mention of 106.3. My 1989 old Atlas has a note about KVHT "to go to 106.3." Again, M Street misses the boat on WJMA-FM Orange's and WAZR Woodstock's frequency changes. I stand by my way of listing frequency and other facilities changes. Now with the FCC in such a deregulatory mood, you can expect other stations to change frequencies almost the day they apply for such changes—witness the rapid changes for WIDL Caro, KCMR Mason City, KQQF Coffeyville, KVHT Vermillion and WJMA-FM Orange.

Frank also kindly sent word on several stations having stereo, and he correctly points out that in the case of Georgetown TX, KQFX, it got its power increase on 96.7, without ever having to change to 96.5. William Dickerman's heard the new WVIA [Scranton] 89.3 Williamsport translator, having moved from 100.1. He likes the small Sony ICF-SW7600, "a real marvel," covering FM and AM/shortwave 150 to 29999 kHz.

Nothing much from Bill Nienejadly this month, except DXers in NY might realize that former zookeeper Scott Shannon doesn't rule the L.A. radio roost like he did at WHTZ. His morning show is only No. 19 in that market on KQLZ. At least he's consistent, remaining on 100.3 at both stations for all the skip listeners everywhere to tune in. By skip, he's got the continent covered, right? Foul-mouthed Howard Stern is doing some TV, but his bosses at K-Rock 92.3 don't want him talking

about that on his radio thing for fear he'll leave them for the greener



SCOTT SHANNON

pastures of TV and all the DXers he would bring with him from FM. Bill says WMSC *101.5 Montclair NJ takes its carrier off when not broadcasting, which helps his DXing. "You are right about skip/trop stations being harder to tune in with filter modification. Selectivity vs. sound quality—suggest install moxle 'IC' pins, and when you're having trouble copying stations install a wider filter and leave the cover off so this can be quickly accomplished. No news about 110/130 filter availability, Murata/Erie NO help whatsoever in getting an order together. I can't make all those long distance phone calls to all these companies! Other members should do detective work in locating 110/130s. We had six people including me calling and tracing down the filters! How about our other 350 members helping out now? Apathy?"

Nike Bugaj talks about local WPKX 97.9 Enfield CT coming on the air with \$, k, "Kicks 97.9," but only promoting Springfield and MA, reserving its legal ID to about 10 minutes to the hour. WFCS New Britain has migrated to 107.7 from 97.9. "Have any idea who sells those 110 kHz filters?" Not really, a distributor in Minneapolis was to have had some samples shipped here. I don't know if I want to try them—might be too restricting in audio quality and might chop off SCA. I'm happy with 150s and 180s. I installed SCA in an Icom R7000. The set had been modified with a 50-kHz FM filter, but the reception was almost unintelligible, and I am not sure it helped with adjacent channel reception at all, using WCTS *100.3 Minneapolis, next to local WSCN *100.5 [transmitter] Duluth as a criterion. Installing SCS in the Icom was not difficult, and it's a lot more sensitive

for FM radio reception than the Radio Shack Pro-2006 (however costing about three times more).

Louisiana's Jeff Kruzka corrected the nonID of WQID 93.7 Biloxi MS as still being "93.7 QID," not "The Q." "I heard by skip a "Highway 101," 100.7, k, but I have no idea what that would be. Somebody sent a radio log from the Portland Oregonian, giving a few program highlights, but no frequencies mentioned.

Karl Zuk mentions the Monitoring Times, International Radio Club of America convention Oct. 5-7, 1990 at Knoxville TN. You can hear international broadcasters and meet Bob Grove and others from MT by sending in \$30 to PO Box 98, Brasstown NC 28902. The banquet is an extra \$18.40.

Keith Pugh sent a lot of station news, and he reported getting KVHT Vermillion SD on skip on its new 106.3 frequency. He uses the radio logs as aids, not as absolute bibles, and was able to DX this station on its new frequency which had eluded previous lists. As you dial around and note stations that may have migrated on the dial, write in and share the news, noting especially whether they or other stations you write about broadcast in stereo or not.

W. R. McIntosh sent a long article from L.A. about FM stations trying for nonDXers in the offices. There's a contest among them to get workers involved in contests to bolster the stations' ratings. Some offices, however, prefer quiet and would rather employees kept the radios or headphones off. Stations going after the workers most earnestly are KPWR, KOST, KBIG, KXEZ and KLIT, all FMs. However, Muzak claims to have the ultimate format for in-office listening, basing its claims on many decades of serving the market through businesses willing to subscribe to get the music.

Nigel Pimblett of Medicine Hat AB and I both received KPCL 95.7 Farmington NM, and that station mentioned each of us to the other. Nigel says he uses my FM Atlas, "and have found it to be an invaluable aid to my FM listening. In fact, I've even mentioned it as such in the QSL column I edit for the Canadian International DX Club. I'm a shortwave listener first, with FM being basically a summertime break, so I don't buy every edition, but usually every second one. I believe I got my current one from Universal Radio in Ohio."

Now to the FM station news of this month. Look also for "See Also," which continues where last month's column was chopped off.

New FM Station Grants

- AZ Page K2618X 100.1 (KCKK 101.1 Kanab UT), on air [U., sharing time]
- AZ Phoenix *89.5 270 h.v.; 259 m, AZ State/*89.5 90 wets h.v.; 446 m, Maricopa County Community College, AZ State to broadcast Tuesday, Thursday, Saturday and alternate Sundays, while Maricopa County Community College will have the channel Monday, Wednesday, Friday and alternate Sundays.
- AR Marked Tree 93.7 3000 h.v.; 100 m
- CA Bakersfield 99.3 3000 h.v.; 100 m
- CA Soledad 105.3 630 h.v.; 213 m, S. Radio FL Cedar Key 102.7 3000 h.v
- FL Key West 107.9 100000h.v.; 141 m
- FL Palm Bay *88.5 1000 vertical only; 30 m, (d-a), g, Victory Christian Academy
- FL Stuart WCNO *90.3 100000 h.v.; 55 m, g, National Christian Network, co-owned with WMIE *91.5 Cocoa FL. Did not delete, and not in Palm City FL. Came on the air during Easter week. NCN has future expansion plans, "but will go into markets only where there is no Christian outlet." Stereo?
- GA Ocala 98.5 3000 h.v.; 100 m
- ID Lower Stanley (assumed located below "Stanley" ID) K216CD *91.1 (KBSU)
- IL Kanokake 95.1 3000 h.v.; 100 m
- IL Spring Valley (Peou) 103.3 3000 h.v.; 100 m
- IN Anderson 98.7 3000 h.v.; 100 m, A. University
- IN Terre Haute *88.5 550 h.v.; 308 m, g, IL Bible IA Eldora 98.5 3000 h.v.; 100 m, E. W. Bie
- MA South Yarmouth 103.9 3000 h.v.; 100 m
- MI Port Huron 102.3 3000 h.v.; 91 m, P. H. Family Radio—grant reinstatement
- MN Brownville KXDL 98.7 3000 h.v.; 100 m, Allyn R. Sturzel [m, mN Public Radio
- MN Thief River Falls *91.5 84000 h.v.; 198/
- NM Los Lunas 106.3 3000 h.v.; 100 m
- NY Honeoye Falls 107.3 3000 h.v.; 100 m
- NY Voorheesville (Albany) 96.3 200 h.v.; 341 m
- NC Topsail Beach 103.9 3000 h.v.; 100 m
- OH Toledo *88.3 110 h.v.; 38 m, U. of Toledo; to share time with WXTS 88.3 Toledo
- OR Banks 107.5 2000 h.v.; 121 m
- OR Seaside 94.7 3000 h.v.; 100 m
- PA Mount Carmel 99.7 1000 h.v.; 159 m
- PA Riverside 92.3 440 h.v.; 254 m
- SC Bishopville 93.7 3000 h.v.; 100 m, JKRC Central Communications [Network
- SC Cayce *88.7 150 h.v.; 43 m, g, Bible Basts./
- SC Kershaw 106.1 3000 h.v.; 100 m
- SC Walterboro 106.3 3000 h.v.; 100 m
- TN Goodlettsville 97.1 50000 h.v.; 150 m
- TN Waynesboro 94.9 3000 h.v.; 100 m
- TN Bryan 99.5 3000 h.v.; 100 m
- TX Liberty 99.9 50000 h.v.; 143 m
- TX Muenster 106.5 3000 h.v.; 100 m
- VT Sunderland 95.1 45 h.v.; 734 m
- VA Coeburn W201A1 *88.1 (WMMT 88.7 Whitesburg KY) [g, Central WA Ed. Found.
- WA Wapato (Yakima) *89.5 15000 h.v.; 297 m./
- WY Burns 101.9 50000 h.v.; 150 m

Call Letters Assigned

- AZ Tucson 99.5 KIIM*-FM* (from KIIM-FM)
- AR Camden *89.5 KCAC
- CA Aubrey 105.1 KXDR
- CA Bakersfield 107.9 KUZZ*-FM* (KUZZ-FM)
- CA Chowchilla 93.3 KXDA
- CA Merced 107.7 KXDE
- CA Mojave 97.7 KAVS (not changing to KHXT)
- CA Morgan Hill 96.1 KSJQ (KRAC)
- CA Randsburg *89.7 KGBM (KGBM)
- CA Sacramento *88.9 KPXP
- CA San Francisco 98.9 KDBK (KOFY-FM), this and next station now known as "Double 99 FM"
- CA Santa Cruz 99.1 KDBQ (KLRS-FM) being bought by Viacom, along with KDBK 98.9 San Francisco. Both stations now simulcast, helping resolve an interference problem each station has experienced from the other.

- CA Tracy 100.9 KSGO (KYBB)
- CT Stamford 96.7 WQQQ (WJAZ), now g, Unistar of dies, "Q-96.7"
- DE Lewes 105.9 WXJN
- FL Arcadia 98.3 WOKD-FM (WOKD)
- GA Omega 107.5 WXJF
- GA Richmond Hill 105.1 WRHQ
- IL Bethalto to 95.5 WXJO
- IL Le Roy 104.1 WRXZ (WMLA-FM)
- IN Columbia City WBBE (WZRQ), to be \$
- IN Nappanee 95.7 WXJZ [r, "Q-106.5"
- KS Arkansas City 106.5 KYQQ (KWKL), /
- KS North Fort Riley 102.5 KXDJ
- KY Greenville 105.5 WWHK (WGWY-FM)
- KY Louisville 103.9 WZKS (WXLN), r, "Kiss"
- KY Mount Vernon 102.9 WXJJ
- LA Tioga 103.5 KLLA (not KLLA)
- ME Kittery 105.3 WKCC (WYCD)
- ME Milbride 93.7 WXJH
- MI Fremont 100.1 WSHN-FM (not WSHN, as given on p 112 FM Atlas-12), still k
- MI Grand Rapids 98.9 WXJJ
- MI Lapeer 103.1 WVGZ (WDEY-FM), m, "Wings 103.1"
- MI Oscoda 95.7 WXJZ
- MN Albert Lea 94.9 (moving to, from 95.3) KRGR (KCPJ), m, no nonID
- MS Jackson 96.3 WJDX (WLSI-FM)
- MS Newton 106.3 WMYQ-FM (WMYQ), both WMYQ AM and FM are silent
- MO Seligman 95.3 KESE (KJEM), b, "95 FM," has stereo
- NJ Marietta City 96.1 WMXL (WFOU)
- NM Espanola 102.3 KMYK (KMIO)
- NM Los Alamos 106.7 KBOM (KPIZA), o[Idies], dropping Spanish
- NY East Windham *89.9 W210AP
- NY Henderson 100.7 WXJE
- NY Mount Hope *90.1 WDHZ (WEXX)
- NC Burgaw 99.9 WVB5-FM (WVB5)
- NC Laurinburg 96.5 WMXF-FM (WSTS), r, CHR
- NY Moock 92.1 WTZR (WDFM), p
- OH Belpre *91.7 WMBP (WOHD)
- OH Cleveland and 99.5 WGAR*-FM* (WGAR-FM)
- OH Gallipolis 101.5 WGR *-FM* (WGR-FM; AM gets new calls) [op, classic rock
- OH Port Clinton 94.5 WXKR (not WXCF)
- OK Okmulgee 94.1 KTHK (KOKL-FM)
- PA Elizabethtown *88.3 WVEC (WQHE)
- PA Grove City 95.1 WRKU-FM (WRKU)
- PA Pittsburgh 104.7 WEZE-FM (not WESE-FM)
- PA Salladasburg 95.5 WKHL-FM (WKHL; AM is in Hughesville) [is in Charleston]
- SC Goose Creek 94.3 WUJM-FM (WUJM; AM/
- SC Pageland 102.3 WMAP-FM (WCPL)
- SC Surfside Beach 103.1 WYAK-FM (WYAK)
- TN Gatlinburg 105.5 WSDY (WSEV-FM), "Dollywood Radio" (for Dolly Parton)
- TN Harrogate 96.5 WXJZ
- TN Sargeville 104.3 WEYE (WLKW)
- TN Dallas-Fort Worth *90.1 KERA-FM (KERA) 105.3 KRSR (KQZY), m, "Star 105.3"; its SCS has TM, 67; rR, 92
- TX Devine 92.1 KTXH (not KYTX, which is in Beville TX, 97.9)
- TX Houston 96.5 KHMX (KNRJ), "Mix 96.5", r, "modern rock"
- TX Kenedy 92.1 KKCR (KTRN)
- TX Littlefield 95.5 KXDM
- TX Lovell 92.5 KXDA
- VA Emporia 98.5 WXJA (WEVA-FM)
- VA Farmville 101.3 WXJK
- VA Lynchburg 105.9 WVMQ
- WV Oak Hill 94.1 WXAS (WXMA)
- WI Lomira 106.7 WFDL, to 2000 h.v.; 120 m
- WI Waupun 99.5 WPKR (WGGQ)
- ON Sudbury 92.7 CJRO (CIGM), r, "Q-92"
- ON Timmins 92.1 CJQQ (CFTI), "Q-92," r

"Good luck on FM Atlas-13. Hope to see it in the fall."

Facilities Changes Granted

- AL Cordova WFFN 95.3 (from 92.9) 2200 h.v.; 166 m
- AL Selma WDXX 100.1 50000 h.v.; 88 m, C2
- AR Beebe KPJK 101.5 6000 h.v. (100 m)
- AR Booneville KBSS 104.7 (from 92.1) 50000 h.v.; 150 m, C2, format to kg
- CA Colusa KKLK 103.1 130 h.v.; 599 m
- CA Los Angeles KPFK *90.7 112000 h.v. (863 m), "I'm the C.E. for KPFK. I used to take care of KSRF and KLLX as well, but it got to be too much to do all three... I installed the transmitters that these stations are now on the air with." [m, d-a
- CA Santa Monica KSRF 103.1 3000 h.v.; 81/
- CO Glenwood Springs KMTS 99.1 (from 92.7) -70 m (25000 h.v)
- CO Rocky Ford KAVI-FM 95.9 (not moving to 95.5; seeking 95.3)
- CT New Britain WFCS *107.7 (from 97.9)
- FL Macclenny WJXR 92.1 6000 h.v. (100 m)
- FL Mexico Beach WPCP 99.3 50000 h.v.; 150 m; /
- FL Titusville WP10 *89.3 7000 h.v.; 91 m
- GA Albany WGPC-FM 104.5 100000 h.v.; 299 m, adds v
- GA Greensboro WDDK 103.9 100 m (3000 h.v)
- GA Wrens WRAJ 96.5 (from 92.7) 22500 h.v.; 122 m, adding vertical, C2
- IL Monmouth WMO1 97.7 3400 h.v.; 134 m
- IN Angola WLKI 100.1 2100 h.v.; 120 m
- IA Ida Grove KIDA 92.9 15900 h.v. (91 m), to return with W[tereo]
- IA Mason City KCMR *97.9 (having moved from 98.3) 4500 h.v. (91 m) KNIO there has not yet moved to 93.9 from 93.5. [from 92.1
- KS Coffeyville KQGF 98.9, having moved /
- KS Goodland KKCI 102.5 217 m (100000 h.v)
- KY Burdette WJJD 93.9 50000 h.v.; 150 m, now on with that power, pr format
- KY Murray WBLN 103.7 201 m (100000 h.v)
- KY Paris WCOZ 96.9 (from 96.7) 50000 h.v.; 150 m, C2
- LA Galliano KBAU 94.3 25000 h.v. (91 m), C3. "It's hard to get here in New Orleans, thanks to adjacent WXLT 94.1 McComb MS, which IDs as McComb-Baton Rouge."
- ME Rockland WMCN 103.3 31200 h.v. (187 m)
- MA Boston WERS *88.9 4000 h.v.; 186 m
- MI Carleton Place W210A1 (having moved from 104.9)
- "Suffered interference from WQRS 105.1 Detroit and WKJG 104.7 in East Tawas."
- MI Houghton WOLF 96.3 177 m (100000 h.v), still on 97.7 [1195 m]
- MN North Mankato KDDG 96.7 1400 h.v./
- MN Red Wing KWNG 105.9 50000 h.v.; 150 m, C2 [now "Z-95"
- MS Marion WZMP 95.1 182 m (26000 h.v.) /
- MO Brookfield KZBK 96.9 (from 97.7) 27500 h.v.; 48 m, C2
- MO Gordonville KTXI 99.3 91 m (3000 h.v)
- MO St. Louis KWMU *90.7 100000 h.v.; 305 m
- NV Jean K232CP 94.3 (back to, from K285-104.9) [m, d-a
- NC Charlotte WMXC 104.7 10000 h.v.; 376/
- OH Millersburg WKLM 95.3 d-a
- OK Locust Grove KEMX 94.5 (from 100.7) 2300 h.v.; 112 m
- OK Stillwater KOSU *91.7 308 m (100000 h.v)
- OR Creswell KERT 95.3 400 h.v.; 368 m
- OR Newport KYQT 102.7 (from 102.9) 99200 h.v.; 274 m, C1
- OR Portland KUFO 101.1 100000 h.v.; 498 m
- PA Curwensville WOKW 102.9 350 h.v.; 288 m
- SC Hanahan WAVF 96.1 440 m (100000 h.v)
- SD Vermillion KVHT 106.3 (having moved from 102.3) [7000 h.v.; 183 m, C3
- TN Monterey WRJT 106.9 (from 107.1)/
- VA Danville WAKG 103.3 199 m (100000 h.v)
- VA Harrisonburg WZJM *88.7 390 h.v.; 20 m
- VA Orange WJMA-FM 98.9, having moved from 96.7 [m, d-a, adding vertical
- VA Winchester WTRM *91.3 6000 h.v.; 411/

- VA Woodstock WAZR 93.7 6000 h.v.; -3 m, having moved from 95.9
- WICN Stereo, or to be Stereo
- AL Dadeville WDWI *88.7, gr
- AR Hot Springs KALR *91.5
- CA Visalia KARM *88.7, g
- FL Port St. Joe WMT0 93.5, r, on air
- IA Iowa Falls KIFG-FM 95.3, mk
- KS Burlington KSNP 93.6, k, ID with Le Roy
- LA Lake Charles KOJO *91.7, g
- MI Vassar W0WE 98.9 s, "Wowie"
- MS Greenwood WGNL 104.3
- MO Cameron KDEE 92.3, k, "K-Lite 92.3," simulcast with KAYO, "Qzark 98," 97.7 Warsaw MO [field, new on air
- MO Republic KADI 95.9, gr, ID with Spring/
- MO Tarkio KTRX-FM 93.5, k, finally embraces stereo
- NE Alliance KTNE-FM *91.1, on-the-station Mike Cherry heard via skip in BC
- NE Hastings KLNK-FM *89.1, on
- NE Lexington KLNK-FM *88.7, on
- NE Norfolk KXNE-FM *89.3, on
- NY New York WNYE *91.5. The only other old school-board station known not to have stereo is KSLH *91.5 St. Louis.
- OK Heavener ("heave-en-ur") KPRV-FM 92.5 (k, CBS) [SCS, "Bright 105" (strict)
- OK McAlester KZBX 104.9, TU 67 kHz/
- OK Taft KHJM 100.3, rk
- TN Crossville WEGE 102.3, k, on air, simulcasting with AM station WCSV
- TN Parsons WKJQ 97.3, k
- TX Beaville KYTX 97.9, r, "Y-98." Note its calls are not repeated in Devine TX.
- TX Premont KMFH 104.9, Spanish, g
- TX Winfield KYKM 97.7
- VE Veracruz XHRN 96.5, "Radio Alares"
- Monophonic
- CO Igouanite KSUT *91.3
- IL Havana WDUK 99.3
- IA Boone KFGO-FM *99.3
- IA Des Moines KUCB *89.3, still with low power; KDMI 97.3
- IA Harlan KNOD 105.5
- MA Worcester WICN *90.5, heard recently with classical; assumed to be a temporary stereo outage
- OK Bethany KNTL 104.9, "no stereo—only in commercials. There is no advantage to stereo with our talk format and we may stop using it." Remove stereo listing.
- OK Eufaula KCES 102.3, all k
- OK Henryetta KVAZ *91.5, g, heard carrying USA Radio Network commercials
- TX Bishop KFLZ 107.1, Spanish, l, remove stereo listing
- See Also August-July VUDs For: (all are for August, except where noted)
- AL Selma WALX 100.9 Laser 101, Niemajadly, p. 18, Bugaj, p. 20
- AR Camden KCXY 95.3 Y-95, Burrows, p. 11
- CO Glenwood Springs KMTS 99.1 (moving from 92.7), TU, 67, Ebeling, p. 15
- CO Salida KVRH-FM 92.1 TU, Ebeling, p. 15
- CO Wray KATR 98.3 off air? Allen, p. 30, got KBNN 98.3 Broken Bow NE in the same direction without mentioning hearing KATR
- DE Georgetown WZBH 93.5 ID with Ocean City and Salisbury, Burrows, p. 10
- FL Clewiston W213- *90.5 is probably the translator Hepburn (p. 27) heard; but I show it relaying WAYJ *88.7 Fort Myers FL
- FL Fort Myers WSRX *91.5 The Spark, Falconer, p. 16 [TM, Ebeling, p. 15
- FL Port St. Joe WJST 94.5 TU, 67 (not /
- FL Venice WCTQ 92.1 k (from b), Ebeling, p. 15
- IL Robinson WTAJ-FM 101.7 Tay FM, Brumfield, p. 24

KS Darby KRZZ 96.3 op, Station News, p. 22
 KS Scott City KSKL-FM 94.5 r, Falconer, p. 16;
 "Cool 94.5," Cherry, p. 23
 LA Clinton WDCQ 92.7 Fela, p. 12, lists as
 contemporary Christian, while Smolarek, p.
 22, shows it as r; the latest I saw for it is "K"
 LA Monroe KNOE-FM 101.9 K-102 (from "All
 Hits FM 102"), Ebelino, p. 16
 LA New Roads QXQL is 106.5, not 106.1,
 Ebelino, p. 15, "0-106" nonID
 MD Federalburg WDLT 101.1 apparently y silent,
 Station News, p. 15 [KNJR, Merrill], p. 14
 MN Collingville "89.9 is KNRS, not
 MT Kalspell KB82 98.5 HU, 67, Ebelino, p. 15
 NJ Vilas WLQE 98.7 ID with Rio Grande-
 Wildwood, Burrows, p. 10
 NM Carlsbad KCDY 104.1 has \$[tereo], Falcon-
 er, p. 17
 NM Clovis KCLV-FM 99.1 Country 99, Sittel/
 NY Cazenovia WITC "85.3, having moved from
 90.9, Nordquist, p. 11
 NC Raleigh WYLT 95.1 Lite 96.1 (from "W-
 Lite"), Sittel, p. 36
 NC Nags Head WNHV 92.3 "Caroline 92,"
 Station News, p. 22; is K, Conigli, p. 38
 ND Valley City KOVC-FM 100.9 Gaid 101,
 Pugh, p. 25 [rm, Falconer, p. 17
 OK (not TX) Weatherford KBXR 97.3/
 PA Ridgeburg WMKB 96.9 is mono, o, Station
 News, p. 15 [S, Nordquist, p. 11
 TX Lufkin KSWP "91.1—need to know if it had
 TX Palesti ne KLIS 96.7 96-FM, Falconer, p. 16
 TX San Antonio KTFM 102.7 Hot 103, Falcon-
 er, p. 16
 KZEP-FM 104.5 K-Zep, Falconer, p. 17
 TX Winfield KYKM 97.7 has Stereo, Buntin, p.
 19, July [Buntin, p. 19, July
 UT Salt Lake City KLXZ-FM 93.3 Z-93/
 VA Hampton WDEE 101.3 ID with Norfolk-
 Virginia Beach, Burrows, p. 10
 VA Norfolk WLYT 95.7 01 dias 95.7 (from
 "Y-96"), Station News, p. 15
 WI Sturgeon Bay WOOD-FM 93.9 has been listed
 as country, playing country or dies? Falconer,
 p. 25, July.
 WY Laramie KCGY 95.1 note "Y 95" nonID,
 not "Y-106," as given in FM Atlas-12, p. 159
 ON Oshweken CFNC 103.9 kr, 15 m (10 wats
 h), no stereo, Hall pp. 24, 25, July
 ON Wingham CKNX-FM 101.7 won't be moving
 to 104.9; only its low power [trans ator] in
 Meaford is apparently on the air on 104.9,
 Hall, p. 23, July [p. 17, July
 VE Veracruz XHRR 96.5 has \$[tereo], Pugh/
 M Street Radio Directory (Hall, p. 22), can be
 ordered direct from PO Box 3568, Alexan-
 dria VA 22302 at \$29.95 plus about \$2.50
 shipping and handling. It lists AM and FM
 stations, formats, facilities by geography and
 frequency. I like its listing of stations by call
 letters, and as such it can supplement the
 "FM Atlas."

Formats

Formats are the same as in the *Fid Atlas*
 AK Fairbanks KXLR 95.9 o, SNN Pure
 AK Nome KICY-FM 100.3 rg, "Y-100" (strict)
 AZ Kingman KMEQ-FM 96.9 mr, "soft AC"
 AZ Phoenix KGMN 100.1 k
 AR Jacksonville KEZQ-FM 100.3 mr
 CA Carlsbad KKOS 96.9 mr, "bright AC"
 CA Davis KLDO 105.5 or, "classic rock"
 CA Los Angeles KTVV 94.7 rj, more so than m)
 CA Pebble Beach KSPB "91.9 still r, operates
 evenings only from Robert Louis Stevenson
 High School [on with B1 power and site
 CA Ridgecrest KZIQ-FM 92.7 mr, "Q-Lite,"/
 CA Visalia-Fresno KFSO 92.9 o
 FL De Funiak Springs WDUH 103.1 k
 FL Ft Miami WLYF 101.5 m, "80s vocal"
 HI Honolulu KIPO-FM "89.3 jc, also news
 KHHH 98.5 rj, more so than m)
 HI Kealahou KQAS 92.1 m
 IL Coal City WKBM 100.7 o, \$

IL Dwight WKDL 98.9 to be o[ides], \$?
 IL Eldorado WEBQ-FM 102.3 k
 IL Loves Park WLUV-FM 96.7 r, "The Heat"
 IL Marshalltown WKOT 96.5 to be o. This, Dwight
 and Coal City form a triangle just SW of
 Chicago with an oldies network. [dust!]
 IL Peoria WSWT 106.9 mr—"another b bitesthe/
 IL Watseka WIGFA-FM 94.1 k
 IN Brazil WSDM 97.7 k
 IN Carmelton WKCM-FM 102.9 k
 KS Emporia KNGM "91.9 rg, still \$, TM 67
 KS Wichita KGAM "90.7 of, \$
 LA Hammond KSLU "90.9 jr, "jazz and more"
 MN Litchfield St. Cloud KMXX 94.9 mj, still
 "The Mix"
 MS Holly Springs WKRA-FM 92.7 o, SNN/
 MS Jackson WJMI 99.7 s, still "Power 99"
 MO Butler KMDE 92.1 k, \$
 MO Clinton KDKO-FM 95.3 k, \$
 MO Kansas City KMBR 99.7 mr
 MO Liberty KXXR 106.5 s, "X-106" [94"
 MO Poplar Bluff KLLR 94.5 s, "Clear Country/
 MO Sparte KLTQ 96.5 m, \$, ID with Springfield
 NE Beatrice-Lincoln KTGL 92.9 op, "The
 Eagle"
 NE Lincoln KUCV "90.9 cn, \$
 NE Omaha KESY-FM 104.5 m, still many b
 selections, especially daytime [106," \$
 NE West Point KWPN-FM 107.9 m, "Z-94"
 NE York KAWL-FM 104.9 c
 NV Carson City KRWR 94.7 m
 NJ Atlantic City WFPG-FM 96.9 r, CHR/pop,
 not "hard, album rock"
 NJ Trenton WKXW 101.5 o, idies and talk
 NY Dansville WACZ 93.9 rt, mono, "Z-94"
 NY Ithaca WVBR 93.5 rp
 WNY 103.7 op, "Classic Q" (strict)
 NY Southold WBAZ 101.7 m
 NC Wanchese WBBR-FM 95.3 r
 NC Whiteville WZFX 99.1 s, "99-1 The Fox"
 OH Canton WHBC-FM 94.1 m
 OH Cincinnati WVEZ 92.5 mr, soft AC
 OH Elyria-Cleveland and WNNV 107.3 rj
 OH Fredericktown WJMR 98.3 m
 OH Middletown WPFJ-FM 105.9 k, "The
 Country Rebel"
 OH Nelsonville WAIS-FM 107.7 k
 OK Edmond KNTN 97.7 mj with "contemporary
 jazz. I hope you will listen to us as you go"
 OK Pappy Valley KGOK 97.7 r
 OK Perry KJFK 105.1 m, "K-105 FM"
 OK Seminole KSLE 105.5 k, \$, "105 Country"
 OK Tahlequah KEOK 101.7 k, \$
 OK Woodward KWQD 102.3 o
 OR Cave Junction KCNA 102.7 k
 OR Roseburg KRBS 103.1 m
 PA Clarion WCCR 92.7 r, CHR
 PA Pittsburgh WHTX 96.1 o, portending an
 oldies war with WWSW 97.0 and WWSH 99.7
 PA Shamokin WSP1 95.3 m
 SC Columbia WCEZ 93.5 mr
 SC Greenville WFBC-FM 93.7 o, still "B-93.7
 FM"
 SC New Ellenton WAJY 102.7 m
 SD Pierre KLXS 95.3 o, "Classic 95.3"
 TX Eastland KVMX 96.7 mr, Drake soft AC
 TX El Paso KTSM-FM 99.9 mr [ave rock]
 TX Fredericksburg KFAN 101.1 p[roges-
 TX Houston KRBE 104.1 sr, still "Power 104"
 TX Luling-Austin KAPT 94.7 k, "The Cat," via
 satellite, no SCS (had TU 92)
 TX Odessa KKKK 99.1 r
 UT Richfield KKWZ 93.7 m
 VA Lynchburg WKZZ 100.1 m
 WA Bellingham KZAZ "91.7 to be cn, hoping to
 have come on in August, along with a
 translator on a yet-unnamed frequency on
 Mount Constitution to serve the San Juan
 Islands; other translators are planned for
 Anacortes and Port Angeles WA. To be
 \$[tereo]?
 WA Moses Lake KDRM 99.3 rp
 WA Omak KOMW-FM 92.7 k

WV Ripley WCEF 98.3 k
 WI Sheboygan WUJR 97.7 m
 WY Jackson KMTN 96.9 r
 ON Oshweken CFNC 103.9 kr, mono, 15 m (10
 wats horizontal; hopes to go to 50 wats)

On the Air (Selected)

IL Le Roy WRXZ 104.1, having moved from
 92.7, ID with Bloomington-Normal
 IL Urbana WKIO 92.5, having moved from 103.9
 IL Sioux Center KTSB 93.9 (from 94.3)
 MN Cloquet-Duluth-Superior (WI) WSCN
 "100.5, mono, having moved from 100.9
 MN Tracy KARL 105.1, m. Didn't delete, \$?
 NY Brockport WBSU "89.1, having moved from
 88.9
 TX Odessa "90.5 KENT-FM, but still using
 KEHC call letters

Off Air, or Not Yet On

AL Linden WDAL 88.5
 AK Anchorage KXZD 103.1 [a manager
 AK Soladote KUHH 96.5, but advertising for/
 MO Sparte KLTQ 96.5 m, \$, ID with Springfield
 NE Beatrice-Lincoln KTGL 92.9 op, "The
 Eagle"
 NE Lincoln KUCV "90.9 cn, \$
 NE Omaha KESY-FM 104.5 m, still many b
 selections, especially daytime [106," \$
 NE West Point KWPN-FM 107.9 m, "Z-94"
 NE York KAWL-FM 104.9 c
 NV Carson City KRWR 94.7 m
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 NJ Trenton WKXW 101.5 o, idies and talk
 NY Dansville WACZ 93.9 rt, mono, "Z-94"
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 NY Southold WBAZ 101.7 m
 NC Wanchese WBBR-FM 95.3 r
 NC Whiteville WZFX 99.1 s, "99-1 The Fox"
 OH Canton WHBC-FM 94.1 m
 OH Cincinnati WVEZ 92.5 mr, soft AC
 OH Elyria-Cleveland and WNNV 107.3 rj
 OH Fredericktown WJMR 98.3 m
 OH Middletown WPFJ-FM 105.9 k, "The
 Country Rebel"
 OH Nelsonville WAIS-FM 107.7 k
 OK Edmond KNTN 97.7 mj with "contemporary
 jazz. I hope you will listen to us as you go"
 OK Pappy Valley KGOK 97.7 r
 OK Perry KJFK 105.1 m, "K-105 FM"
 OK Seminole KSLE 105.5 k, \$, "105 Country"
 OK Tahlequah KEOK 101.7 k, \$
 OK Woodward KWQD 102.3 o
 OR Cave Junction KCNA 102.7 k
 OR Roseburg KRBS 103.1 m
 PA Clarion WCCR 92.7 r, CHR
 PA Pittsburgh WHTX 96.1 o, portending an
 oldies war with WWSW 97.0 and WWSH 99.7
 PA Shamokin WSP1 95.3 m
 SC Columbia WCEZ 93.5 mr
 SC Greenville WFBC-FM 93.7 o, still "B-93.7
 FM"
 SC New Ellenton WAJY 102.7 m
 SD Pierre KLXS 95.3 o, "Classic 95.3"
 TX Eastland KVMX 96.7 mr, Drake soft AC
 TX El Paso KTSM-FM 99.9 mr [ave rock]
 TX Fredericksburg KFAN 101.1 p[roges-
 TX Houston KRBE 104.1 sr, still "Power 104"
 TX Luling-Austin KAPT 94.7 k, "The Cat," via
 satellite, no SCS (had TU 92)
 TX Odessa KKKK 99.1 r
 UT Richfield KKWZ 93.7 m
 VA Lynchburg WKZZ 100.1 m
 WA Bellingham KZAZ "91.7 to be cn, hoping to
 have come on in August, along with a
 translator on a yet-unnamed frequency on
 Mount Constitution to serve the San Juan
 Islands; other translators are planned for
 Anacortes and Port Angeles WA. To be
 \$[tereo]?
 WA Moses Lake KDRM 99.3 rp
 WA Omak KOMW-FM 92.7 k

Deletions

AZ Williams KDAN 96.7
 FL Kissimmee WQOG "89.5
 NH Gosham WMIH 107.1
 OK Ardmore K252CA 98.3
 OK Choctaw K202BH "88.3
 OK Del City K288T "105.5
 OK Edmond K228CB "83.5
 OK McAlester K221CC 92.1, K237BF 95.3,
 K240BF 95.9, K260CH 103.9
 OK Moore K296C1 107.1. "We no longer run
 that translator, and you should find reception
 improve in Moore after we replace our old
 transmitter and go for an upgrade" at KNTN
 97.7 Edmond-Oklahoma City
 OK Norman K201-"88.1, still on air, but to be

displaced by new KMSI "88.1 Moore
 K237BT 95.3
 OK Sallisaw K221CC 92.1
 OK Webbers Falls K220BL "91.9
 SC Services, 57, 67 and 92 kHz
 From a Muzak franchise to the father of one of
 my associates: "I hear your son is up to his
 old tricks. Please do what you can to control
 his behavior."
 "Thank you for adapting my Sangean ATS-803A
 radio, and your fast return of my radio. I am
 quite pleased. Also thank you for those back
 issues of my FMedia subscription."
 Other SCS news is in FMedia!

NonIDs, Not Just Slogans

Mentioned on the air usually without call letters;
 "strict" if a station only uses call letters once per
 hour as required by the FCC (at or near the top of
 the hour)
 AL Fayette WTXT 98.1 98-TXT, ID with
 Tuscaloosa [Combination
 AR Berryville KSCC 107.1 Country/
 AR Osceola KMP2 98.1 Z-98 (from "Power 98")
 CA Johannesburg KRAJ 103.9 The Heat
 CA Lancaster KGMX 106.3 K-Mix FM
 CA Prunedale KLYM "89.7 and Santa Rosa
 KLVF "91.9 both Love Radio, still gr
 DC Washington WAMU "88.5 88 Plus
 FL Micanopy WLCL 97.7 Clear 97 FM
 GA Bainbridge WJAD 97.3 97.3 JAD (not "The
 Hot FM")
 GA Fort Valley WKXX 97.9 98-Kix, ID rotating
 among Byron, Perry
 GA Sparta WSKS 97.7 97.7 Kix (from "Kix
 97")
 HI Honolulu KHFX 105.1 The Fox
 HI Kailua KTRF 96.3 96 FM (from "Crater
 FM") [Station (from "FM-101")
 HI Lahaina KLHI 101.1 Your Super-
 IA Atlantic-Omah (NE) KXKT 103.7 The Kat
 (sic, strict), ID with Council Bluffs
 IA Waverly KWXY-FM 99.3 K-Way FM
 KS Haysville KALL 105.3 k, no nonID, no "FM
 105," still has TU, 67
 MS Aberdeen WQZQ-FM 105.3 Z-105
 MS Biloxi WQID 97.7 still 93.7 QID, at though
 still "The Q" at night
 MS McComb WXLT 94.1 Sunny 94
 NE Grand Island KSZY 107.7 Sunny 108 (from
 "The Great 108")
 NC Banner Elk WZJS 100.7 Z-100, \$[tereo]?
 NC Burlington WPCM 101.1 no nonID, saying
 "Country 101.1 WPCM"
 NC Charlotte WBT-FM 107.9 Sunny FM, still r
 NC Elizabethtown WMYK 93.7 K-94, but some
 injection also of "Power 94"
 OK Chickasha KXXX 105.5 no nonID, no
 "KX-105"
 OK Oklahoma City KLTE 101.9 K-Lite 102, o
 OK Poteau KLMK 107.3 K-Country
 PA Homedale WDNH 95.3 Variety 95
 SC Spartanburg WSPA-FM 98.9 Light and Easy
 98.9 FM
 TN Etowah WDRZ 103.1 Superpower 103 (from
 "Z-103") [97 FM], still b
 TN Knoxville WEZK 97.5 97-FM (from "Easy/
 TN Knoxville KHFJ 98.1 K-98.1 (from "K-88")
 TX Denison KDSO 101.7 The Heat (from
 "Power 102")
 TX San Antonio KZVE 107.5 Que Suave
 (Spanish, which sounds like "K Suave")
 UT Salt Lake City KLXZ-FM 93.3 Z-83
 WV Romney WJB 100.1 Jibb-100
 WY Laramie KCGY 95.1 Y-95 (not "Y-106," as
 given in FM Atlas-12, p. 159)
 ON Kingston CFMK 96.3 no "K-86" nonID.
 "They use their call letters very often. A
 rarity for a Canadian station."

Multi-City IDs in Use
 [Censored] [by FM (Selected)
 AM Happenings Most Likely Caused/
 IA KLSS AM 1010 donated by the Hedbergs to
 the U. of Northern IA and will relay KHKE "89.5
 Cedar Falls, subject to FCC OK
 KS Topeka WREN 1250 still off the air
 MN Litchfield KQIV 1410 silent.
 MS Marion WJDD 1240 silent.
 NC Hickory WSPF 1000 silent.
 OR Coos Bay KYNG 1420 silent (had been talk);
 TN on 106.5 still on the air.
 FM Dyersburg WDSG 1450 silent
 WI Appleton V.R.JQ 1570 silent.
 Radio Shack discontinues its 12-1933, car AM
 stereo-FM stereo radio—the only such model
 known to exist in that company's line.

31 FM Stations Subject to FCC Downgrading

The FCC has issued a list of stations to
 be automatically downgraded on
 June 4, 1991, unless they file to improve
 their facilities to retain their present
 classification. Most are C2 stations with
 25 kw or less and whose antenna height
 above average terrain provides a 60 dB
 contour of 39 km or less. They must file
 by June 3, 1991 to prevent an automatic
 downgrading. Here's the preliminary list
 of commercial stations which could face
 downgrading:

Frequency	Class	Station	Location	New Class
92.3	C2	KDDR-FM	Oakes ND	A
93.7	C2	WNBY-FM	Newberry MI	A
93.7	C2	KSPI-FM	Stillwater OK	C3
94.3	C2	WMMU	Marion FL	A
95.1	C2	KTTI	Yuma AZ	A
95.7	C2	KPER	Hobbs NM	C3
96.1	C2	KICX	McCook NE	A
96.5	C2	KUHK	Soldotna AK	C3
96.5	C2	KLWD	Sheridan WY	C3
97.3	C2	KDMI	Des Moines IA	C1
98.1	C1	KLEF	Anchororage AK	C3
98.1	C2	KRWF	Fairbanks AK	C3
98.1	C2	KXKL-FM	Rexburg ID	C3
99.1	C2	KMFTS	Glenwood Springs CO	C3
99.1	C2	KAFR	Engle Fire NM	C3
100.5	C2	KBXF	Anchorage AK	C3
100.7	C2	KLVF	Las Vegas NV	C3
100.7	C2	KJAS	Jasper TX	C3
100.9	C2	KDYC	Grants NM	A
101.1	C2	KJJZ	Kodiak AK	A
103.1	C2	(new?)	Sitka AK	A
104.1	C2	KSDM	International Falls MN	C3
104.1	C2	KTIL-FM	Tillamook OR	C3
104.7	C2	KUAC	Fairbanks AK	A
104.7	C2	KCAW	Sitka AK	C3
105.1	C2	KTKU	Juneau AK	A
105.1	C2	KZUL	Lake Havasu City AZ	C3
105.9	C2	KRBD	Ketchikan AK	C3
105.9	C2	KUIN	Vernal UT	C3
106.5	C2	KYNG-FM	Coos Bay OR	C3
106.7	C2	KGWT	Ketchikan AK	A

NAB/Denon Sign Pact to Produce A1-FM Tuners

Denon America, Inc. will manufacture
 and sell a "high quality" FM-AM tuner,
 which will replace the model that bombed
 out at Radio '88 in Washington DC. It's a
 tuner that will be made to broadcast
 industry specifications, including NRSC
 circuits for better AM fidelity and reduced
 interference, FMX to "enhance FM stereo
 fringe-area reception," AM stereo, AM
 noise blanking to cut static and noise and
 expanded AM band capability to tune in
 the new 1605-1705 kHz range, have

provision for external AM antenna and a
 30-station preset memory that can inter-
 mix AM and FM stations at the listener's
 choice. It's to be manufactured by Denon's
 parent company, Nippon Columbia, and
 will carry Denon and NAB names and
 should be available in stores by early
 1991 at a retail price of \$475. NAB
 members will be able to buy them at a
 discount.
 "This tuner will be suitable as an
 in-home monitor for broadcast station
 personnel and consumers who want to
 feed their home hi-fi systems with the
 best quality audio signals from AM and
 FM broadcasts," said NAB Senior VP/
 Science and Technology Michael Rau.

Broadcasters Continue to Defect From Easy Listening

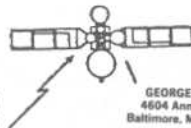
Bonneville Broadcast System's Jim Op-
 shtnik speaks out against the trend, say-
 ing "The belief many former Easy GMs have
 when changing to Soft AC is that the
 audience will stay with them because
 they have no choice. The reality is that
 many simply turn off the radio. There is a
 growing segment of disenfranchised lis-
 teners who now have no station, and others
 who perceive that music stations all
 sound alike. I see this as a danger for
 broadcasters. . . A well-programmed and
 marketed Easy Listening station continues to
 be a viable entity with the active,
 upscale 35-54 consumer. . . The properly
 programmed and promoted Easy Listening
 station is as viable today as it was 10
 years ago." Stations known to have dropped
 the easy listening format in just the last
 month are: KMEQ-FM 96.9 Phoenix, AZ,
 WJCL-FM 96.5 Savannah, GA, WSWT
 106.9 Peoria IL, KMBR 99.7 Kansas City
 MO, WFGP-FM 96.9 Atlantic City, NJ,
 WHBC-FM 94.1 Canton OH, WVEZ 92.5
 Cincinnati OH, KTSM-FM 99.9 El Paso
 TX, and possibly KESY-FM Omaha, al-
 though I am hard pressed to find much
 difference in their format compared to
 what it was. This is perhaps the month
 having the largest number of station
 defections from any one format in the
 history of FM—possibly surpassing the
 mass defections from "disco" in the late
 1970s and early 1980s. Bonneville's own
 stations have all defected from easy
 listening, the most recent being KMBR
 Kansas City. Jim Opshtnik might start at
 home in persuading Bonneville itself to
 help preserve the beautiful music format.

Emerald Broadcasting Hit With More Opposition to Atlanta Move-In; Also Wants To Slide into Sacramento

Wanting to dump Carson City as a city
 of license (see above "Rulemakings Pro-
 posed"), Emerald Broadcasting has peti-
 tioned the FCC to move its KRWR 94.7
 to a town 16 km outside Sacramento.
 This would deprive Carson City of service
 in a way similar to how Emerald would
 move WHMA-FM 100.5 from Anniston
 AL to near Atlanta GA, Jacor Broad-
 casting, licensee of Atlanta's WPCB 94.9,
 said Emerald's proposal "actually under-
 mines the Commission's allotment goals
 by robbing the poor to serve the rich."
 Also opposing the move-in was Capital
 Cities/ABC which said, "This is an inap-
 propriate use of the Commission's rules
 and would violate the policy of providing
 localized service for small communities."

73ily, Bruce E

SATELLITE NEWS



GEORGE W. JENSEN
4604 Annapolis Avenue
Baltimore, MD 21206-4220

Here we go with the annual review of services. This will be satellite by satellite E to W. The transponder comes first, then the service, then the encryption system - if any. Encryptions: L - Leitch, O - Oak/Orion, VC I or VCII - Video Cypher, M - any of the various MAC Systems.

SATCOM 5 - 143 W

20 - feeds - only or 2 transponders are directed to the US 48.

24 - Alaska Satellite T.V. Project

SATCOM I - 139 W

- 1 - Family Channel West - VCII
- 2 - KUSA - Ch. 9 Denver, Colorado VCII
- 4 - KCNC - Ch. 4 - Denver, Colorado VCII
- 5 - Pacific Sports Network VCII
- 6 - KMGH - Ch. 7 - Denver, Colorado VCII
- 7 - FNN (Financial News Net.) VCII
Prime Ticket Sports, Los Angeles, Cal. VCII
- 8 - NBC Feeds L Occ. This now seems to be primarily used for promotional feeds, etc.
- 9 - Sports Channel - Los Angeles VCII
- 10 - Hit Video USA - AM's
Home Sports Entertainment VCII
- 11 - Sunshine Network VCII
- 12 - KUBD - Ch. 59 - Denver, Colorado AM's
KRMA - Ch. 6 - Denver, Colorado VCII
- 14 - KWGN - Ch. 2 - Denver, Colorado VCII
- 17 - PSN sports feeds
- 20 - WGN - Ch. 9 - Chicago, Illinois VCII (full feed)
- 24 - Prime Network (Sports) VCII

GALAXY I - 134 W

- 1 - Comedy Channel VCII
- 2 - Nashville Network VCII
- 3 - WGN - Ch. 9 - Chicago, Illinois VCII
- 4 - Disney Channel East VCII
- 5 - Showtime - East VCII
- 6 - ESPN - Blackout Channel VCII
- 7 - CNN VCII
- 8 - CNN Headline News VCII
- 9 - ESPN VCII
- 10 - The Movie Channel - East VCII
- 11 - The Family Channel - East VCII
- 12 - Arts and Entertainment VCII
- 13 - Country Music TV
- 14 - The Movie Channel - West VCII
- 15 - WOR - Ch. 9 - New York, New York VCII
- 16 - Showtime - West VCII
- 17 - Inspiration Network
- 18 - TBS (WTBS) Superstation (Ch. 17) Atlanta, Georgia VCII
- 19 - Cinemax - East VCII
- 20 - Galavision
- 21 - USA Network - East VCII
- 22 - Discovery Channel VCII
- 23 - HBO (Home Box Office) - East VCII
- 24 - Disney Channel - West VCII

SATCOM 3 - 131 W

- 2 - The Learning Channel - proposed VCII
- 3 - Trinity Broadcasting
- 4 - AM Commercial Programings (Incredible Inventions)
PM - RAI USA - relay of RAI network Rome, Italy
Evenings (8PM) - Bravo VCII
- 5 - VISN - Vision Inter-Faith
- 6 - CNBC Business Channel
- 7 - Univision (Spanish Network)
- 8 - J. C. Penny Shopping Channel
- 10 - USA Network - WEST VCII
- 11 - FNN VCII
- 12 - AVN Shopping AM's
American Movie Classics PM's VCII
- 13 - HBO - West VCII
- 14 - TCI CableVision Program Guide VCII
- 15 - E! - Entertainment TV
- 16 - The Travel Channel
- 17 - Lifetime West VCII
- 18 - TNT - Turner Network Television VCII
- 19 - Request TV I VCII
- 20 - BET - Black Entertainment Television
- 21 - FAILED TRANSPONDER
- 22 - Home Shopping Club II
- 23 - Cinemax - WEST VCII
- 24 - Request TV II VCII

ASC I - 128 W

No video on C Band at this time - has been in the past. On the Ku side there are 2 MAC feeds and in busy periods of times (Elections) - there may be some news feeds.

TELSTAR III - 125 W

- 18 - Fox Feeds
 - 20 - TVN Feeds MAC?
 - 23 - FOX Feeds
 - 24 - TVN Promo Channel
- perhaps as many as 17 transponders may be given over to TVN by end of the year

SBS 5 - 123 W - Ku ONLY

Varies from news feeds to teleconferences
MAC system used frequently on Teleconferences

WESTAR 5 - 122.5 W

- 1 - CNN Feeds
 - 2 - Dr. Eugene Scott University Network
 - 3 - CNN Headline News Feeds
 - 4 - NCTV - National College TV (Midnight - 6AM)
 - 15 - Sports Channel - Bay Area (San Francisco) VCII P
 - 18 - Group W feeds - Pittsburgh
 - 20 - Midwest Sports Channel - Minneapolis, Minnesota VCII
 - 22 - Caribbean Superstation (occasional)
- any other transponder could be used for any number of other feeds

SPACENET I - 120 W

On the Ku side - Several MAC feeds
Gannett News Service

On the C-side

- 4 - Univision feeds
- 11 - Hospital Satellite Network 0
- 17 - No Video here - but carrier for many audio sub-carriers
- 21 - BTN - Baptist Television Network - 0 occasionally
Satellite Market USA - evenings
- 23 - 3 Angels (religious)

ANIK C3 - 117.5 W - Ku only
NO LONGER IN USE except possibly for rare feeds.

MORELOS - M2 - 116.5 W
2 - XHST - Trecevision - Ch. 13 - Merida, Yucatan, Mexico
3 - XEWT - Telemex - Ch6 - Hermosillo, Sonora, Mexico
8 - ITESM Campus - Educational - Monterrey, Nuevo Leon, Mexico
10 - occasional feeds
No Ku transmissions noted at this location

MORELOS - M1 - 113.5 W
2 - XHIMT - Imevision - Ch. 7 Mexico City
5 - UnID'd
7 - XHTV - Mexico City listed by some sources.
8 - XHDF - Imevision - Ch. 13 - Mexico City
9 - ???? - SuperCanal - Televisa Operation - Mexico City??
10 - XHGC - Ch. 5 - Mexico City
11 - MultiDeporte - ESPN feeds and others
14 - XEW - Ch. 2 - Mexico City
18 - Feeds
21 - XHLQR - Ch. 7 - Chetumal, Quintana Roo
23 - XEIPN - Ch. 11 - Mexico City
Ku - XHIMT uses occ. 1 of the 4 Ku transponders

ANIK D2 - 110.5 W
7 - Feeds noted
11 - Weather Now
12 - CTV Network L
15 - Musique Plus AM'S
 Vision (religious) PM'S
16 - CTV Network L
17 - Canal 5 Europe (Quebec Outlet)
20 - Canada HomeShopping Channel
22 - First Choice - The MovieNetwork VC2
23 - CBC World News Channel O
24 - CTV Network L

ANIK C2 - 110 W Ku only
Various News and sports feeds
CBC World News as on D2 - but in the clear - occasionally

ANIK - C1 - 107.5 W - Ku only
2 - Musique Plus
4 - ASN - Atlantic Satellite Network
6 - Super Ecran VC2
8 - TOR - Teleport - misc. feeds
10 - Radio Quebec
12 - Quatre Saisons
14 - Canal Famille VC2
 BPM - Chinese programming
16 - ROS - Sports Channel - French VC2
18 - TV Ontario - French
20 - TV Ontario - English
24 - Ontario Legislature
26 - YTV -
28 - Family Channel VC2

G-STAR 2 - 105 W Ku only
Used primarily for news feeds and teleconferences

ANIK D1 - 104.5 W.
1 - SCPC Radio feeds
2 - TSN - The Sports Network O
4 - Global Network feeds
5 - feeds
6 - MuchMusic
7 - Newfoundland CBC feeds
8 - CHCH - Ch11 - Hamilton, Ontario O
9 - WDIV - Ch4 - Detroit, Michigan O
10 - WXYZ - Ch7 - Detroit, Michigan O
11 - CBC North (Pacific - Yukon) feeds
14 - TCTV (CFTM call noted) - Montreal, Quebec O
15 - CBC French Network
16 - House of Commons - French
17 - CBC Newfoundland/Labrador feeds
18 - CITV - Ch13 - Edmonton, Alberta O
19 - CBC North (Atlantic/NWT)
20 - CBMT - Ch6 - Montreal, Quebec (English)
21 - WTVS - Ch56 - Detroit, Michigan O
22 - BCTV (CHAN - Ch8) - Cancouver, British Columbia O
23 - WJBK - Ch2 - Detroit, Michigan O
24 - House of Commons - English

G-STAR 1 103 W Ku only
used generally for news feeds the following also use
this bird regularly
Colorado State University
National Technological University
Hospital Satellite Network O

SBS 1 - 99 W Ku only - INACTIVE

WESTAR 4 - 99 W
6 - Shepherd's Chapel
 National Christian Network
9 - KIN - Keystone Inspiration Network Red Lion, Penn.
10 - CNN Feeds
11 - Sky Store
 PBS - D has recently used this XPDR VC2
15 - PBS - A VC2
17 - PBS - B VC2 occ.
18 - ABC New York
21 - PBS - C VC2 Occ.
23 - PBS - D VC2 Occ.
Many other XPDR's used for CNN and other feeds
At least 1 XPDR reserved for SCPC.

SBS 2 - 97 W Ku only - INACTIVE

TELSTAR 301 - 96 W
2 - CBS VCI
3 - Warner Brothers feeds
4 - ABC West
6 - ABC feeds
7 - CBS EaST VCI
9 - Warner Brothers feeds
10 - ABC East
11 - ABC Feeds
12 - ABC EaST
15 - CBS feeds VCI
In general almost every other transponder on this bird
is used for syndicated or other programming feeds. Those
listed above are relatively stable.

SBS 3 - 95 W Ku only
This uses 10 split transponders
1 - Feeds
3 - HI-NET Communications (Holiday Inns) MAC
4 - Feeds

- 5 - Hi-New MAC
- 6 - HI_Net MAC
- 7 - Conus News Feeds - Minneapolis, Minnesota
- 8 -
- 9 - Hi-Net MAC
- 10 - American Law Network
- 4 items are programmed on the Hi-New feeds - CNN, TBS, Showtime, Satellite Cinema

GALAXY 3 - 95 W

- 2 - ESPN Blackout Channel VC2
- 5 - Cable Video Store (Par-Per-View) VC2
- 7 - ACTS
- 8 - Home Shopping Club
- 9 - QVC Shopping Network
- 10 - EWTN - Eternal Word
- 11 - Mind Extention University
- 12 - Nu-Star Cable Previews
- 13 - Weather Channel VC2
- 14 - C-Span II - U. S. Senate
- 15 - VH-I - Video Hits I VC2
- 16 - Viewers Choice II Pay-Per-View VC2
- 17 - MTV - East VC2
- 18 - MTV - West VC2
- 19 - Nickelodeon/Nick-At-Night - East VC2
- 20 - Lifetime West VC2
- 21 - Viewers Choice Pay-Per-View VC2
- 22 - Nickelodeon/Nick-At-Night - West VC2
- 23 - Ha!
- 24 - C-Span I - House of Representatives

G-STAR 3 Ku only - 93 W - NON-Stationary

This is in a pseudo-geostationary orbid with a N/S drift - I have seen no video though I have heard that there is a test card somewhere.

SBS-4 - 91 W Ku only

The 10 transponders of this bird are used mainly for data services, news feeds and teleconferences.

WESTAR 3 - 91 W - INACTIVE - the last time you will see it listed here

SPACENET 3 - 87 W Ku and C

- 3 - WSBK - ch38 - Boston, Massachusetts VC2
 - 5 - KTVT - Ch11 - Dallas, Texas VC2
 - 9 - WPIX - Ch11 - New York, New York VC2
 - 15 - KTLA - CH5 - Los Angeles, California VC2
 - 16 - Shop-At-Home occ.
 - 17 - feeds
 - 18 - Commercial Programming e.g. - Incredible Inventions
 - 19 - Starion Premier Cinema VC2
 - 20 - Commercial Programming as XPDR 18
 - 21 - PASS VC2
 - 23 - Home Team Sports - Baltimore/Washington VC2
- On the Ku side - mainly occasional sports feeds, etc.

RCA/GE K1 - Ku only - 85 West

Except for an occasional news or sports feed this bird is not being used - is expected to be used for a Satellite Pay TV service sponsored by among others Rupert Murdoch of European Sky Channel fame

TELSTAR 302 - 85 W

- 1 - Feeds
- 7 - CBS fwds - L
- 10 - ABC West
- 11 - ABC feeds occasionally
- 13 - feeds
- 14 - feeds
- 15 - CBS East L
- 16 - CBS West L
- 18 - CBS L
- 20 - CBS L
- 21 - Feeds

SATCOM 4 - 82 W

- 1 - Sports Channel - Cincinnati, Ohio
- 2 - Sports News Network
- 3 - Sports Channel - Philadelphia, Pennsylvania
- 4 - Guest Cinema - for hotels - VC2
- 5 - Family Network
- 6 - Madison Square Garden Network VC2
- 7 - Sports Channel - New York
- 8 - Program Guide
- 9 - A V N Shopping/Sports Channel - Chicago, Illinois
- 10 - National College Television - Days
 - Sports Channel Plus
- 11 - Sports Channel America
- 12 - Rainbow PPV - MAC
- 13 - N E S N - New England Sports Network - Boston
- 14 - Sports Channel - Florida
- 15 - Shop At Home/Silent Network
- 16 - Sports Channel - Ohio
- 17 - Miscellaneous Retail Product programs
- 18 - Guest Cinema II for hotels VC2
- 19 - ICT Test Channel - Digital Subscription Music Channels
- 20 - International Channel
- 21 - Nostalgia Channel
- 23 - Sports Channel - New England
- 24 - Playboy-At-Night VC2

RCA K2 - Ku only 81 W

There are 16 transponders which may be split to make 32 6 of these are used by NBC Cycle Sat uses 1 to feed news feeds and other items A T & T uses one using MAC system INDX Financial News uses 1 Eastern Washington University uses 1 A Chinese programmer uses 1 in the evenings

GALAXY 2 - 74 W

- 1 - CNN New York feeds
 - 4 - CNN Los Angeles feeds
 - 5 - CNN New York feeds
 - 10 - West Virginia Educational Network
- Much of what is on this bird consist of sports feeds in almost every imaginable scrambling format you can think of

SATCOM 2 - 72 W

- 2 - WBBM - ch2 - Chicago, Illinois VC2
- 4 - WABC - Ch7 - New York, New York VC2
- 7 - All News Channel VC2
- 11 - Home Shopping Club Spree
- 12 - WXIA - Ch11 - Atlanta, Georgia VC2
- 13 - NASA Select TV - Goddard Space Flight Center
- (5) oops - NASA is also on this transponder occasionally
- 20 - International News Feeds (PAL, SECAM, NTSC) occ.
- 21 - JISO and other feeds (japanese news agency)
- 22 - Armed Forces Radio/Television Service MAC
- 23 - Feeds
- 24 - Globo Network Brazil feeds and others

SPACENET 2 - C and Ku 69 W
1 - Drive In Pay Per View VC2
2 - Nebraska Educational Television Network
3 - Rendezvous PPV VC2
4 - Nebraska ETV Classroom feeds
5 - Channel America
7 - Telemundo Feeds
9 - Telemundo Network
10 - ECO/Galavision News Service
14 - SCOLA Test Channel
16 - SCOLA primary channel
19 - KBL Sports Channel VC2
21 - United States Information Agency/World Net
on the Ku side:
Florida News Network
Tie-In educational Network 0
United Press South
Kentucky ETV Feeds

BRAZILSAT 65 - not viewable from this location
Services reportedly carried -
TV Globo
TV Bandeirantes
Rede Manchete
World New
Embratel Network
all of these are in the PAL color format

INTELSAT - 53 W C and Ku (VB F 13)
11V - France Relays in PAL, SECAM and NTSC
14V - ITC/BBC feeds
16V - IDB European feeds and others incl CNN London
Not visible due to spot beam from this location are at
least 3 channels for Argentina CH7 and 13)
and CH 7 = TV Peru

Have not seen video on Ku, but have seen data transmissions
Morocco and Portugal also use East Spot beams 1 XPDR each
PANAMSAT - C and Ku - 45 W
6 transponders on Ku may be split to make 12
feeds have been noted on 5 with a hybrid English/
Spanish CNN on 15
The C band is too weak usually here to get positive
ID's, but
2 - feeds
9 - video seen
12 - BrightStar feeds/Telemundo
21 - ESPN in MAC which used to be on Ku

INTELSAT - 34.5 W (V F 4) has Ku but is technically kaput
TVE Spain uses 2 East beam transponders to relay to
the Canary Islands
23/24 - uses a combo of split and full transponders
for news and sports feeds Westward

INTELSAT - 27.5 W ((VA F11) C and Ku
1 - TVE's Canal America - Madrid, Spain NTSC
3 - being used at writing for Televisa World Cut feeds in PAL
7 - feeds from Bogota, Colombia NTSC color
8 - Televen - CH10 - Caracas, Venezuela NTSC
9 - BrightStar - news feeds
10 - SuperCanal V - CH5 - Caracas, Venezuela NTSC
11 - NBC London to US in NTSC
14 - ABC London feeds to US NTSC
18 - USIA/WorldNet = NTSC
22 - Unknown MAC
Others such as Libya use this bird for programming,
but not directed to the US.

On the Ku side all services are directed to Europe and
include:
BBC TV Europe
Children's Channel
CNN International
Discovery Channel
KindernetSFSuccé
SIS Satellite Racing

INTELSAT VI F2 - 24.5 W C and Ku
Newly position here after testing
Was used for feeds from Malta/Colombia/Panama with good
results at former position seen here.
No Ku in use at this time.

INTELSAT V F2 - 21.5 W C and Ku
No apparent usage yet on C
News feeds possible on the Ku side

One transponder is used for International News Feeds
Ku is spotted to Europe and is used mostly by Italy

GORIZONT 15 C and Ku 14 W (Statsionar 4)
Transmits Program I in SECAM color
other transponders used for OIRT/Intersputnik
News Feeds and Programs such as Cubavision from
Havana, Cuba (XPDR 6)
Ku is 1 transponder directed to Europe

GORIZONT 12 - 11 West (Statsionar 11) C and Ku
No Ku noted.
Noted some time ago on XPDR 8 was Moscow/Program II
in SECAM Color. News feeds have also been noted.

Both Gorizonts have a N/S bounce which makes them visible
for only parts of each day unless you can track them
that way.

ADDENDUM

Satcom 1 XPDR 22 - Satellite Telecommunication
Educational Programming and A sports Channel
(NW) in the evenings.
Shop At Home is still transponder hopping was last
noted on Spacenet 3 XPDR 11 in addition to Satcom 4 feed.
PLEASE LET ME KNOW OF ANYTHING MISSING OR NEW THAT YOU
COME ACROSS IN YOUR VIEWINGS
73's until next time when I'll do a rundown of the
Audio Subcarriers.

BULLETIN

Galaxy 2 - XPDR 11 - DOD (Department of Defence) Saudi Arabia
This is uplinking to the US all kinds of feeds for
the networks and others from the military positions
on the shore of the Persian Gulf in Saudi Arabia.

Galaxy 2 XPDR 7 - CNN continuous feed from Cairo, Egypt.
Satcom 2 - various transponders - are being to relay local
transmissions from Amman, Jordon, Iraqi TV,
Israeli TV, Saudi TV via Arabsat and other
sources. Most are converted to NTSC format.

Look at Galaxy 2 and Satcom 2 for feeds from the Persian
Gulf crisis area.

Satcom 2 XPDR 18 - LT 82 - Santa Fe, Argentina in PAL
format - originating feeds for Basketball Tournament
in Argentina.

That's it for now.



EASTERN TV-DX

Bill Nienajadly
PO BOX 2999
Clifton NJ 07015-2999

September 1990 Cut-off July 1st 1990 Deadline October 1st 1990

High band skip positively ID-ed! Bob Seybold on July 8th, logged CH 7 WJCT Jacksonville FL and two others above ch 6. Greg Coniglio reports from Ocean City MD with tropo galore. Overall ES and tropo seemed to be in abundance for all. As for July 4th, it was trop not ES that was productive for William Hepburn in ON who logged WABC-7 Tr at 345 miles.

Bob Seybold 10567 Bennett Road Dunkirk NY 14048

There has been a lot of DX lately so I will turn in a report now before it gets too large. E-skip has been in nearly every day since late June with some super openings including double hop and high band skip. There has been some tropo, nothing super but good.

June 29- Huge E-skip opening with double hop into Soutren Texas, New Mexico and Arizona, nearly every low-band station in in Texas was in at one time or another. Opening ran 0900-2200 or later with only brief breaks Covered Florida, Gulf states, Texas, Oklahoma, Kansas, New Mexico, Arizona. Some stations seen: Miami 2,4,6, Daytona Beach 2 Baton Rouge 2 New Orleans 4 & 6 Dothan 4 Tampa 3 Pensacola 3 Bryan Texas 3 Shreveport 3 Lafayette 3 Wichita Falls 3 & 6 Houston 2 Midland 2 San Antonio -4 Ft Worth 5 Lubbock 5 Westaco 5 (double hop) Phoenix 3 Flagstaff 2 Dodge City 6 Beaumont TX 6 Tulsa 6 & 2 Great Bend 2 Springfield MO 3 Harrisburg Ill 3 (very short skip) Wichita 3 KC 4 & 5 Okla City KDUH 4 Hastings NE 5 and many others.

June 30th- July 6th- E-skip nearly every day; some good tropo including all night tropo including most Indiana U's Chicago U's, Michigan U's; Southern Ohio U's: Northern Kentucky, Central NY State, Western and Central PA: Ontario U's.

July 7th E-skip - WBRZ-2, WEAR 3, WPBT 2, KBTX 3. Kansas and Texas low band V's mainly North & Central TX. Tropo---Chicago, Rockland U's. Madison 15 & 27, Milwaukee 18 & 36: South Bend , Indianapolis, Ft Wayne: Louisville 15 (rare): Dayton, Columbus ; WICD 15: Kansas City 41 & 51, briefly in evening; Joplin 16.

July 8th---Morning tropo- Louisville; Cincinnati, Dayton: Lexington, Columbus U's, Pikesville 22, Moorhead 38; Springfield 26, Newark Ohio 51: Indianapolis 20,40,59,63: South Bend U's, Ft Wayne U's: Richmond Ind 43, Bloomington 42, Owenton 52.....E-skip later-1200-2200 Huge opening HIGH BAND SKIP Panama City FL - 8 (new) Jacksonville 7 (new) KAYS 7 (new).. channels 2-6 loaded-several deep -very difficult to ID went to FM. LA., AL, FL, TX, AR, GA, MD, shifting up to OK, KS, NE, MO-many low band V's seen: locals 2, -4, 7, all taken out and covered: super intense signals: FM loaded.

July 9th E-skip strong Kansas 2, (both 3's) 4,5,6 Nebraska-KLNE-3: North Platte 2: North and South Dakota 2,3,4,5

July 10th Tropo --- Dayton 22

July 11th E-skip 1800 on & off till 2330: Nebraska 3: Oklahoma, Kansas low band V's peaking 2100-2200- Some tropo Michigan & a few Wisconsin U's; few Indiana U's in evening.

(ED Note here is another report by Bob Seybold-BN)

Another report to keep things up to date. There has been continuous DX now for some time, mostly tropo but some E-skip Good weather and high humidity has helped. A lot of the regulars and semi regulars have been in with good steady signal levels sometimes all day-some good into the night DX. However nothing of super distance. Will be at the convention, how about you? (Yep..I missed it again! Im moving and didn't have any time to go, next year!!!-BN)

July 16 E-skip-Kansas, Nebraska, Dakotas, Colorado, Wyoming-evening opening , channels 2-6 strong.

July 16-29 Some tropo in this period- FT.Wayne, South Bend U's often-Chicago on a couple of occasions- Madison U's daily. Dayton, Columbus, Nothren Kentucky, Indiana & Southern occasions mostly 0500-0900 and again 2000 and into the night.

July 17 E-skip North-South opening- Canada low V's to Northeast - Quebec, New Foundland : Moncton 2, Halifax, Rimouski in channels 2-6: also FL, LA, MS, Texas channels 2-5.

July 18 E-skip - FL, GA, LA, & KS channels 2-6 strong several hours peaking in evening.

July 19 E-skip new Denton Texas 2, Amarillo 2 (new to me) : Houston & several TX channels 2-6 (north, central & east TX) in strong- KS, OK, NE also in including: Lakin 3: WLBT 3, KTBS 3, WEDU 3, WEAR 3, WPBT 2 occasionally up to channel 5 from Florida: several 4's in.

July 20 E-skip strong- Florida V's 2-6 in also Shreveport 3, Lafayette 3, Byran Texas 3, WBRZ 2, WLBT 3, several on 4: non ID-ed; Several TX, LA, AL, GA, MS, OK, KS, low banders lasted 1400-2130 peaking in evening.

Eastern TV DX September 1990

Bob Seybold continued

July 21 E- skip 1300-1400 Oklahoma 2 & 3 ; others not ID-ed not a major opening. Tropo-many stations in 200 mile range to west in solid all day: New Cadillac 33 in excellent: most central and northern Michigan U's strong WJMU 14, WJOM 19, Saginaw 25 & 49 super , Lansing 23 & 47, Flint 28 & 66, Manstine 21, Cadillac 27, Traverse City 7 & 29 all this in morning: Sandusky 52, Ft Wayne U's; South Bend 16, 22, 46: Indianapolis 20,40,59 Richmond 43: Lexington 36: Terre Haute 38: Ontario U's above normal : Bowling Green 27 in all day.

July 22- Tropo AM-east northeast good; Detroit, Mt. Clemens, Saginaw , Lansing U's excellent: Toledo U's Sandusky U's good: new 41 noted (Huron, Sandusky Ohio area running bulletin board & such); Newark 51, Pittsburg U's Ontario U's in from many areas - 15,18(2),20,22,24,28,32(2), 35 Montreal, 38,40 (London and Ottawa),42(2) 44,45,48,51,53(2),54,55(2),56,59,61,64,68 plus other regulars: Rochester U's 15,21,31,38, & 40: Syracuse 24,43,68: Plattsburgh 57(rare) : Elmira U's, WJED x1tr on 60(rare), Weston W.VA 5 (rare): Tennessee 39 weak.

July 23-26 Tropo on all days-Indiana, Ohio,Michigan; Rochester LPTV U's 15,38,40 in often: Watertown,Plattsburgh, Syracuse,Utica U's in often, Elmira, Norwood 18, Ontario U's to east..15,32,38,44,53,42,55,40 in often also Montreal 35. Some E-skip in this period also mostly Florida & Gulf Coast stations.

July 27 Brief E-skip 1700-1800 WEDU-3, WPBT-2,-otherwise good tropo - Ft Wayne South Bend U's: WICD 15 at times; Michigan U's strong, Toledo U's , WBGU 27-Canada U's strong-some extra.

July 28 Tropo good-Ft Wayne, South Bend U's, Chicago 26,32,38,60 briefly: Kalamazoo 52 (rare) Lansing, Flint Saginaw U's: Toledo super: WBGU 27: most Ontario U's good to excellent: Ohio 41, Mt.Clemens 38 strong Grand Rapids 17, Detroit 26, Ann Arbor 31 strong, Michigan V's strong . Thats all for now. More DX in next report.

Equipment; Zenith 9" AC-DC color : RCA 25" color (home set) 4 years old- 7ft dish with 4 bay bowtie feed (my own version) 0063 Channel Master Amp. Winegard all channel antenna -0064C Channel Master amp-Quantan VHF ant, 6 element . FH-3 rotors

Christopher S. Dunne PO BOX 533 21500 Johnson St Pembroke Pines FL 33029

July 1990

15 TR 0039 W16AJ -Palm Beach/MESH 15 TR 0140 W27AE-Sebring /MTOG-44 19 ES 1100 KTVO 3 MD -COLOR!
139 miles 120 miles 1217 miles

After a dry end of June for E-skip. FM/TV was OK on 7/19. GH 3 is the only decent E channel here. (Ditto here-BN) Bill, I hope for your sake you're moving out where TV DX is better. (UHF should improve a lot hopefully-BN)

Too bad only 3 TV stations but a few more on FM. Take care 73's Christopher
Tom Bryant 849 Todd Preis Dr. Nashville TN 37221 (CDT)

July 1990

7 ES 1446 KFOX 3 TX 675	7 ES 1617 KTYS 3 CO 926	11 ES 2113 KSRE 6 ND 1022
1458 KENW 3 NM 963	9 ES 1800 KOTA 3 SD 1024	2200 KDLO 3 SD 832
1501 KVIO 6 NM 1008	1800-2200 see notes	2230 KOTA 3 SD 1024
1511 KOTA 3 SD 1024	2200 KENW 3 NM 963	25 ES 2159 KBME 3 ND 1022
1529 KSNW 3 KS 799	11 ES 2113 KBME 3 ND 1022	

Notes; This generally was a lack luster month for anything . No new adds;openings were unusually very short, and the signals quite weak. Lots of Tr most of the month,but all close-in repeats. 7/9 would have been OK if the opening had not been so intense...started at 1800 and went nonstop to 2330 but the two repeats were all I was able to pull out of the mess. KENW was solid 2125-2320. 7/11 2nd time for KSRE. KOTA solid 1 hr. 7/25 No othr activity all evening ,not even CCI on 2 just one short burst right at ID time (maybe MS?-BN) the audio was WSII -3-ILL. Maybe ??? August will be better?! (Not here for me in early August-BN) 73's Tom

Frank Wheeler 6589 Wattsburg Road Erie PA 16509

June 1990

19 ES 1730 WPBT 2 FL 1110	27 ES 1700 KSNW 3 KS 962	6 ES 2203 KGAN 2 IA 598
1900 WEDU 3 FL 891		8 ES 1500 KPRC 2 TX 1212
20 Tr 0950 WIXI 19 OH 305	JULY 1990	1557 KTBS 3 LA 992
25 ES 1300 CBFT 2 QU 404	1 ES 1158 KQTV 2 MO 797	1600 KARK 4 AR 832
27 ES 0002 WBRZ 2 LA 1016	6 ES 0817 KACB 3 TX 1325	2230 KTVY 4 OK 1030
0926 KPRC 2 TX 1212	0829 WBRZ 2 LA 1016	10 ES 2328 KSNK 2 KS 1009
0930 KGBT 4 TX 1339	0930 KPRC 2 TX 1212	11 ES 2100 KNOB 2 NE 1059
1300 KWGN 2 CO 1312	0931 WLBT 3 MS 880	2220 KLBY 4 KS 962
1330 KFDX 3 TX 1144	1158 WVL 4 LA 1002	
1625 KJRH 2 OK 927	1159 KTBS 3 LA 992	

Note- Quite a coincidence on the cover of the July issue of VHF-UHF Digest. Of course my name is Frank, and my wife's name is Marge. (How about that!-BN) (Frank is looking for the address of WIXI-BN)

Ed Note; If you noticed , I spread out narrative reports so they are much easier to read. In the process I have used this smaller type, so even though the narrative reports are spread out...the space used is practically the same. This minor change comes after some comments from some members. What do you think?-BN

John F. Combs (N4SFS) 1308 Willow branch #24 Jacksonville FL 32205

July 1 ES 1035+ "Dirty" skip to N. chs 2-6
 July 4 ES 0820-1000 KUSD-2 + various unids; Tr 1900-2145 Wilmington U's; SC 19,23
 July 6 ES 1054+ KUSD + unids-no time to DX 1425 Breif-KGAN-2,KJMT-3; 2313-0000...KGAN-2, KJRH-2, KSNC-2, KJMT-3
 + tents. KOET-3, KSNK-3, KSNW-3, KNOP-2.
 July 7 Tr 0630-0700 WSRE-23, WFGX-35, Panama City U's+V's, West Palm Beach U's...:ES 0930-1150 KACY-2 Amarillo TX-
 -1213, KMID-2, KIII-3, KENW-3, KTXF-5, XHR10-2, KRIS-6, KCEW-6,+ tent. KV10-6;...1312-1330+ KGAN-2, KTV0-3
 +unids-stuff in all afternoon but I was busy;...Tr 2240+ SC 10,13,19,25,27,35,57.
 July 8 ES 1605-2035 KGAN-2, WCIA-2,W01-5, W0MT-6, WJNS-6;...Tr 2200 Columbia U's.
 July 9 ES 1350+ Definitely there on 2 & 3, but too much Tr's...Tr 1830-2100 Wilmington U's + V's; Charleston V's at
 best level ever: most SC U's.
 July 10 Tr 2130+ SC U's
 July 11 ES 1330+ KQTV-2, KMID-2, noted, but no time:...tr 2125+ Wilmington U's & V's, W20AL Wilmington-345, WUNM-19-NC
 -416, WFXI-8-NC-436 super.
 July 18 ES 1830-2030 KPRC-2, KJRH-2, KGAN-2, KBTX-3, KCEW-6+ at 1959, KTCa-2-St Paul MN 1191 "Twin Cities Public TV"
 July 19 ES 1100-1710+ KJRH-2, KTVI-2, KGAN-2,KTV0-3,KMTV-3, KDLH-3,KDLO-3, KJMT-3, KOAA-5.
 July 20 ES ? 1000-1130 Weird, diagonal CCI on WESH-2, varied 0-10 khz CCI, like stuff I've seen to Latin America, but
 this seemed to peak to N.W.- no signs or evidence of any F2 activity. (UFO scatter likely..HI1-BN)

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

June 1990

18 tr 1805 WPTF 28 NC 251	JULY 1990	1 ES 1100 KJMT 3 IA 853	8 TR 2012 OH 17
1857 WKFT 40 NC 265	1122 KDLO 3 SD	2 ES 2100 KSNW 3 KS 1050	WNEO 45 OH
2215 WYED 17 NC 248	2159 MUF 2	2 ES 2116 KUSD 2 SD t	ES 1200 KUSD 2 SD 880
19 ES 0725-0735 MUF 2	2 ES 2325 KMTV 3 NE t	3 ES 0215 MUF 2	TR 2128 WUAB 43 OH 293
1827 MUF 2	3 ES 0215 MUF 2	2122 CBS 2+	2212 MUF 88.1
2000 WESH 2 FL 720	2230 KDLH 3 MN	2300 KUSD 2 SD 1050	9 ES 0230 MUF 2
2329 f/out	4 TR 0607+OH-16-25-28-43t	9 ES 0230 MUF 2	10 TR 0005 OH 43
20 ES 0725 UNID 2z 3/4cb	+WNEO-45	0750 CCI 17z	WNEO 45t
2201 MUF 2	0817 WGGT 48 NC 256	0817 WGGT 48 NC 256	11 TR 0141+WYED 17+NC-28-40
21 ES 0004 MUF 2	WLXI 61 NC t	0835 MUF 2	0240 WNET 13 NY 196
2145 MUF 3	ES 0835 MUF 2	TR 0845 WDLI 17 OH t	0248 WCVE 23 VA t
22 ES 0235 MUF 3	TR 0845 WDLI 17 OH t	0849 WRDG 16 NC 251	LS 1801 WKFT 40 NC 265
LS 1800 NC16 WYED 17	0849 WRDG 16 NC 251	0925 WKFT 40 NC 265	ES 1805 KUSD 2 SD t
1806 NC40 Fair to gd	0925 WKFT 40 NC 265	ES 1000-1414 UNIDS 2	1826 UNID 3 SD
ES 2115 MUF 3	ES 1000-1414 UNIDS 2	1424 PBS 3	12 ES 2145 NBC 3
2305 MUF 2	1424 PBS 3	TR 1518 WUND 2 NC t	13 ES 1905 MUF 2
24 ES 1900 CUBA 3 t	TR 1518 WUND 2 NC t	ES 1616 MUF 2	2101 "" ""
25 ES 2213 MUF 2	ES 1616 MUF 2	TR 1800 WCTI 12 NC 269	14 ES 2038 "" ""
26 ES 1800 WESH 2 FL t	TR 1800 WCTI 12 NC 269	6 ES 2000 KDLH 3 MN t	2305 "" ""
1859 WPBT 2 FL 900	6 ES 2000 KDLH 3 MN t	2005 CUBA 3	15 ES 1053 MUF 3
1900 KTBS 3 LA 983	2005 CUBA 3	2100 MUF 5	1115 KUSD 2 t
1927 KPRC 2 TX 1235	2100 MUF 5	2130 KSNW 3 KS 1050	1950 MUF 3
1937 MUF 5	2130 KSNW 3 KS 1050	0729 WPBT 2 FL 900	2234 "" ""
1957 KDTN 2 TX 1164	0729 WPBT 2 FL 900	1430 KTBS 3 LA 983	16 ES 2155 MUF 3
2030 WMAB 2 MS t	1430 KTBS 3 LA 983	1511 KFDX 3 TX 1225	17 TR 2349 WYED 17 NC 248
2057 KJRH 2 OK 1031	1511 KFDX 3 TX 1225	1600 WPBT 2 FL 900	WPTF 28 NC 251
2059 KYTV 3 MO t	1600 WPBT 2 FL 900	1759 WLBT 3 MS	WKFT 40 NC 265
2240 MUF 5	1759 WLBT 3 MS	0220 MUF 2	18 ES 1900 KTBS 3 LA 983
2305 KQTV 2 MO t	0220 MUF 2	0758 PBS 3	1958 KJRH 2 OK 1001
2326 KJRH 2 OK 1031	0758 PBS 3	1105 NBC 3+	2104 MUF 2
2330 KMTV 3 NE 950	1105 NBC 3+	1430 KTBS 3 LA 983	20 ES 2123 MUF 3
27 ES 0029 KUSD 2 SD 1050	1430 KTBS 3 LA 983	1438 NBC 6	21 TR 0806+OH-33-43
0030 WLBT 3 MS	1438 NBC 6	1439 MUF 104.7	WNEO 45 NC 48
0045 KJRH 2 OK 1031	1439 MUF 104.7	1537 MUF 4	ES 0901 MUF 3
0230 KUSD 2 SD t	1537 MUF 4	1605 MUF 98.3	TR 1001 WKFT 40 NC 265
0259 f/out	1605 MUF 98.3	1658 MUF 5	ES 1125 NBC 2+
0411 CCI 2z	1658 MUF 5	1700 KQTV 2 MO	1943 MUF 3
0743 MUF 3	1700 KQTV 2 MO	1806 KFDX 3 TX 1225	22 ES 0825 MUF 2
2103 MUF 3	1806 KFDX 3 TX 1225	1823 MUF 3	1052 MUF 2
TR 2259 WYBE 35 PA 119	1823 MUF 3	1829 KJRH 2 OK	23 TR 0639 W40AH VA t
28 Tr 0147 WNET 13 NY 196	1829 KJRH 2 OK		
ES 1818 KDLH 3 MN t			
1820 KPRC 2 TX t			
2315 f/out			
30 ES 2028 MUF 2			

Joel Rosenberg 19 Glenayr Rd Richmond Hill Ontario L4B 2W3 (416) 884-8454

May 1990

27 ES 1858 UNID 4	15 Tr 0720 WGTG 30 OH 250	6 ES 0754 WKRG 5 AL 1020
KAKE-9	2255 CBLN2 340N 150	1958 UNID 2
1959 KTVS 3 CO 1230	WXYZ 7 MI 210	promo for K-95-FM
KLNE 3 NE 1055	16 Tr 1815 Rochester,Syr U's-s/f	2030 WMAB 2 MS 895
2000 KUSD 2 SD 880	all evening	2100 WLBT 3 MS 985
28 ES 1815 PBS 2	1818 W43?? NY-video jukebox	GW 2310 ??? 68+69 ON
1900 KSNC 2 KS 1070	(Maybe W43AP in Jamestown-BN)	Toronto-see note
1917 KNOP 2 NE 1095	1951 W62AN NY	
1918 KLBV 4 KS 1150	Nedrow-x1tr of WCNV	7 ES 1135 ABC 2 #1
2325 KJLH 2 OK 1015	2005 W59AU NY	1735 MUF 2
29 ES 1920 WWL 4 LA 1120	Utica-x1tr of WCNV	1930 Fade outs
2000 KBTX 3 TX		2315 Lake trop
2124 MUF 99 MHZ		Rochester,Syr
30 Tr 0600 WFMJ 21 OH 200	19 ES 2000 WPBT 2 FL 1250	
31 ES 2300 WBRZ 2 LA 1120	20 Tr 0630 WKYC 3 OH 200	
JUNE 1990	WAKC 23 OH 215	
1 ES 0735 MUF 3	25 ES 2300 MUF 2	8 Tr 0940 Syr,H20town-sf
0800 WLBT 3 MS 985	26 Tr 0700 WVIZ 25 OH 200-s/f	W62?? NY
2 Tr 0643 WPSX 3 PA 200	WUTR 20 NY 215-as/f	CIII 22 ON 200
ES 1200 KUSD 2 SD 880	Also Toledo,Youngstown	WFMA 39 IN 345
8 Tr 0728 W40AG NY 105	Detroit U's	0950 WKJG 33 IN 345
Rochester/Channel America	ES 2200 MUF 2	1016 WFFT 55 IN 345
9 ES 1030 WESH 2 FL	2300 WBRZ 2 LA 1120	1030 WKAR 23 MI 265
10 ES 0745 PBS 3	PBS 2	1200 WKMR 38 KY 445
1305 UNID 2-religion	JULY 1990	ES 1500 UNIDS2+4
13 ES 1530 MUF 2	2 ES 2300 NBC 2	2200 Fade outs
14 ES 2307 KUSD 2 SD 880	CBS 3	9 Tr 0800 Detroit U's
15 Tr 0720 CIII 22 ON 200	2313 KYTV 3 MO	2325 WUTR 20 NY 215
WAKC 23 OH 215	6 ES 0730 MUF 4	17 ES 2130 KPRC 2 TX 1300
WBGH 27 OH 290	0754 KPRC 2 TX 1300	2200 CBS 3 TX

Note #1; I suppose this counts as a station. (Yea I would say so-BN) This was a 100 watt test of Digital radio from CN tower(16 miles) on 798 ± 3.5 Mhz.(i.e. ch 68-69) on air July 5-17 including visual signal consisted of white background & about 30 horizontal black lines. One could hear the broadcast at one station in the city for public demonstration where they had a special decoder in an office & mobile van-no calls assigned by D.O.C. Good DX Joel

William R. Hepburn - 1211-1547 Mississauga Vly - Mississauga, ON L5A 3X8

Equipment: JVC HR-D630U VCR
 12th floor balcony VHF discone/dipoles / indoor 4-bay UHF

- time EDT

June 1990	July 1990	4 Tr 0338 WHSP 65 NJ 370
16 Tr 0506 WKEF 22 OH 345	3 Tr 0841 WLKY 32 KY 485 #	0343 WHSE 68 NJ 345
20 ES 2251 MUF-2	0847 WKEF 22 OH 345	0358 WPHL 17 PA 345
26 Tr 0128 W59AU 59 NY 230	0901 WKPC 15 KY 485	5 ES 1312 MUF-2
Utica (WCNY-24)	ES 2136 MUF-2	7 ES 1446 MUF-3
(ex-W33AB)	Tr 2216 WJTC 26 OH 340	8 ES 2135 MUF-104.9 KS/OK
0335 unid-35	2251 Daytn 22,45 345	12 ES 1838 MUF-2
(Jukebox Net)	4 Tr 0051 WLKY 32 KY 485	
ES 2200 WSAV 3 GA T	0318 WABC 7 NY 365	
27 ES 0050 MUF-99.3	(new VHF-hi record)	
1354 MUF-115.2	0326 WTXF 29 PA 345	

Comments: Some nice tropes on the 4th. Semi-locals were below normal strength. There was a higher-level inversion associated with an approaching warm front rather than the usual low-level radiational-cooling type inversion. Jukebox Network stations popping up everywhere. My unid 43 turns out to be WSNR Syracuse (also has x1trs W11BP & W18AL). I expect they'll die just as quickly...considering they charge what works out to \$50/hr to view videos. It would cheaper to hook up cable...or to buy a VCR and tape free all-night video shows such as those on WJET-24 and WAKC-23.

BCNU, Bill

Greg Coniglio 5100 Glenwood Drive Williamsville NY 14221

Report #1: vaction at Ocean City, MD- about 4 miles N. of Ocean City.

Equipment: Sony Watchman TV, bowtie for UHF and rabbit ears for VHF

First the skip report

June 1990

27 ES 1237 CKPR 2 ON 988 29 ES 1100 KDLH 3 MN 1033
 1601 KDLO 3 SD 1210 1101 KDLO 3 SD 1210
 1628 KUSD 2 SD 1170 1200 KGFE 2 ND 1278
 29 ES 1035 KTCA 2 MN 1031

JULY 1990

1 ES 1100 KSNW 3 KS 1192
 1101 CKPR 2 ON 988
 KQTV 2(KS) 1050

All the channels 2-6 were empty for DX, but since I was only rabbit ears, the skip was weak. Many UNIDs were seen on 2-6 but the clarity of the screen is not too great so I hoped for voice IDs. I also saw WPBT-2 and CUBA-3 once but I forgot to write it down.

Vacation tropes June 23- July 2

WJAR-2-MD-104..KYW-3-PA-110..WTKR-3-VA-120..WRC-4-DC-108..WNBC-4-NY-162..WTTG-5-DC-108..WPVI-6-PA-110..WTVR-6-VA-140
 WJLA-7-DC-108..WABC-7-NY-162..WFXI-8-NC-265..WTNH-8-CT-230..WUSA-9-DC-108..WMOJ-9-(NY)-162..WCAU-10-PA-108..WAVY-10-VA-120..WBAL-11-MD-104..WHYY-12-DE-92..WJZ-13-MD-104..WVEC-13-VA-120..WLYH-15-PA-150..WHRG-15-VA-120..WBOC-16-MD-20
 WPHL-17-PA-110..WYED-17-NC-261..WJMM-19-NC-303..WDCA-20-DC-108..WTTX-20-CT-241..WLIW-21-NY-190..WHP-21-PA-150
 WMPY-22-MD-85..WFLA-22-NC-265..WJNC-23-NJ-107..WVBE-23-VA-140..WHSB-24-MD-104..WTAT-24-SC-473..W25AA-VA-54 (Onancock w/WHRG-15)...Also had WPDE-15 on one night..UNID-25-Boston? (Hikely-BN)..WETA-26-DC-108..WTVS-26-CT-254
 WJKA-26-NC-330..WGNB-27-VA-120..W27AJ-DE-59 (Dover w/WMDT-47)...WCPB-28-MD-20..WPTF-28-NC-330 (with WCPB off the air)
 WTXF-29-PA-110..WJIT-30-253..WNYC-31-NY-162..WJMM-32-DC-108..WTVZ-33-VA-120..WITF-33-PA-158..WRLK-35-VA-140..
 WYBE-35-PA-110..WSEB-36-RI-309..WJNP-36-NC-197..WSBK-38-MA-342 (Ed note Nice Catch !!!-BN)..WJNJ-39-NC-330..UNID-39 see note#1..WJGM-40-NJ-40..WJFT-40-NC-311..WJAC-VA-54 (Onancock w/WAVY-10)..WXTV-41-(NY)-160..WJMT-43-PA-139..
 WJAD-44-NY-200 (Hicksville NY LPTV) (Ed note; Great catch! that little peashooter really got out!-BN)..WJFF-45-MD-104
 WMDT-47-MD-20..WJUU-47-(NY)-160 (over WMDT)..WJCB-49-PA-134..WJCB-49-VA-120t see note #2..WFTY-50-DC-108....
 WJUN-50-NJ-188 Hi Bill (Ed; Wow! now Im really impressed! My 4 mile local & #1 image maker!-BN)..WTVS-51-PA-140
 UNID-51 LPTV see note #3..WJNT-52-NJ-125..W52ABt a PBS other than WJNT..WEDN-53-CT-260..WJVT-53-VA-?.WJUV-54-MD-104
 WJLG-55-NY-211 (Ed; Yea that one really gets out-BN)..UNID 56 Boston? Arsenio Hall 38 Boston in that night.
 WJBS-57-PA-110..WCVW-57-VA-140..UNID-57 with WJLG (Ed note I have it listed but not at this moment-BN) WJUB-58-NJ-145
 WCVX-58-MA-328..more Cci maybe W59AK-VA..W59AL-VA-54 Onancock w/WVEC-13..WJGI-61-DE-92..WJIC-61-CT-262..W63AM-VA-68-Graddockville w/WAVY-10..WJBP-64-DE-31 satellite of WHYY-12..WJAC-64-RI-309..WJSP-65-NJ-70..WTKK-66-VA-130..WJNL-67-NY-200..WJPP-67-MD-104..WJSE-68-NJ-160..UNID-68 could only make out "LPTV"

note#1 Thought at first it was WJUN again, and it could have been, butthere were several mentions of New Britian CT and CT was in good at the time. A new translator up there? (Gonna check-BN)

Note#2 A religious station to the South with area code # 804 on the screen.Is this station on the air? (dunno-BN)

Note #3 Ch 51 LPTV seemed to come from the south, and it was running. The Channel America Network.

Back home in Clarence;

July 1990

3 Tr 1000 WCFC 38 IL 456 4 Tr 0138 WLFJ 18 IN 452 5 Tr 0740 WAQP 49 MI 260
 WFLD 32tIL LS 2300 Binghampton and WNYB off air
 So. Bend U's & UNID 22 PBS Scaranton U's -lightning
 2350 WIHT 31 MI 257 5 Tr 0912 WLLA 64 MI 355 So Bend U's-398
 HSN rare

Some TV news: WNYB 49 Buffalo is now all religious, all the time, running a lot of TBN and some TCT (Total Christain Television) too. WJTV picked up Fox and is now Fox 29. (Just like Fox 29 in Philly-BN) In passing on the way home from Ocean City there seemed to be a TBN in Dover in the upper 60's and maybe a LPTV in Philly in the 40's(Ed note: in the 40's? That must be a new one...I'll check, Im at a freinds house typing this up-BN) could've been WJGM tho.

Also saw WJBS-57 in the 40's near Allentown. the tropes here in Buffalo have been nice, but nothing like the INCREDIBLE openings down in Maryland. Yes,that many stations came in ABSOLUTLY PERFECT with just a bow tie. i was on the 3rd floor, but even on the ground many of the stations were in. Some Dx was so strong that it was stronger than the locals,snowfree in every direction I pointed the bowtie, even if I dropped it on the floor. I have NEVER seen anything like that in Buffalo, evn with Toronto or Rochester: under 60 miles. Also, the trop seemed to happen when there was LESS humidity instead of more, and started going quite early in the afternoon, with the sun still high in the sky. And maybe can explain this; We had a heavy thunderstorm, and I happend to put on the radio, and there was strong trop within 100 miles. Any ideas? (Ed note: Rapid inversions enhanced by the ocean?-BN) Good article by Joop J Prosee on propagation-enjoyed it very much. (So did I-BN). 73 Greg

Note from the editor: Im sorry if I didn't get to do up another page of reports, I do have more but this month I'm moving and unfortunately didn't have the time for it. However next month I'll have all the time in the world and what ever was held back this month will be in next month's column. Sorry and Thank for your understanding-BN

WESTERN TV-DX

Fred McCormack
 Box 9077
 Prairiewood Station
 Fargo, ND 58106-9077

Deadline: 10-11-90

Cut-off: 07-01-90

September 1990

CORRECTIONS - In the July column, Bill Draeb's logging on May 27th at 2330 should have read KIDK 3 ID, not (WA). Thanks to careful reader Tom Bryant for catching this one. In the August column Doug Smith's logging of W68BR on May 31st at 0800 should have indicated the primary as WCFC-38, not WCIU-26.

Now on to the DX!

New ___ New Mode_ _ Tent. - t Unidentified - unid S/On - + S/off - =
 ID Color Bars - @ Unid Color Bars - % Misc. Test Patterns - &
 Parallel Programming - // MTS Stereo - \$

BN Baja California Norte CH Chihuahua NL Nuevo Leon SI Sinaloa
 ZA Zacatecas ES El Salvador

Christopher W. Hanley, 1321 Beecher Avenue, Galesburg IL 61401

CDT

Guten tag. Here's the DX for the period of June 16 - July 15. My TV was rarely off for the first eleven days of July. Mixed in with the unids, fade outs, and assorted disappointments were several new stations. I love summer! So here it is - no relogs under 260 km (161 miles) (up from 250 km as I discovered that excluded some Chicago stations but included others).

June 1990	2 tr 0630	KNLC 24 MO 179	3 tr 2201	WLJK 11 WI 267
18 tr 0540	WHSL 46(MO) 170	0633 WFIE 14(KY) 261	2245	WHO 13 IA 178
	0542 KDNL 30 MO 164	0635 WEVV 44(KY) 258	6 tr 2202	WHO 13 IA 178
21 tr 0624	KDIN 11 IA 178	0640 WMTV 36 WI 195	7 Es 1406	WESH 2 FL 973
25 tr 0608	WHSL 46(MO) 170	0642 WTCT 27 IL 245	1438	WESH 2 AZ 1217
Es 1659	CKCK 2 SK 942	2007 WIIB 63 IN 247	8 Es 1428	WEDU 3 FL 1013
2205	KNAZ 2 AZ 1217	2010 WHMB 40 IN 231	1437	WFMYt 2 NC
26 Es 1959	WPBT 2 FL 1186	2100 WPNE 38 WI 267	1445	WPBT 2 FL 1186
	2221 WESH 2 FL 973	KMCI 38 KS 291	2125	WFBS 3 CT 910
28 Es 1800	KMID 2 TX 898	(State #24)	11 Es 1630	KDIN 2 TX 680
1806	KENS 5 TX 919	2159 WGBA 26 WI 264	1632	KPRC 2 TX 836
1814	KIII 3 TX 1004	2214 KDNL 30 MO 164	1645	KIII 3 TX 1004
1815	KPRC 2 TX 836	2216 WHSL 46(MO) 170	2158	KWGN 2 CO 785
		2118 WPNE 38 WI 267	2201	WBRZ 2 LA 736
		WHSL 46(MO) 267	2222	KSNC 2 KS 478
July 1990	WHSL 46(MO) 170	2133	WFRV 5 WI 267	(Shortest Es)
1 tr 2245	KDNL 30 MO 164		WGBAt 26 WI	13 Es 2358
2246	KDNL 30 MO 164	2159	WBAY 2 WI 267	KNAZ 2 AZ 1217
2 tr 0630	KPLR 11 MO 168			

Log now stands at 143 stations. Kansas becomes my first state logged with both tropo and E skip. (Both stations were received while I was looking for something else!) God Bless and 73's

William Draeb, Ellis St., Rt. #2, Kewaunee WI 54216

CDT

Equipment: See July 1990 Western TV-DX

July 1990	2 tr 0612	WKON 52 KY 437	3 tr 0008	WBNA 21 KY 437
1 tr 0605	KOCR 28 IA 268	CBLFT23 16 ON270	0535	WYMT 57 KY 554
Es 1845	KCWct 4 NY unid channel 2	2335 K58BX 58 IA 265 (Davenport TBN)		(Snow free) W47AB 47 OH
1940	unid channel 3	2340 WHSL 46(MO) 432		(Mansfield WOSU-34) W47AZ 47 IN 336
2000	KOUS 4 MT KYUST 3 MT	2354 WEIU 51 IL 2359 K58BS 58 MN 280 (Minneapolis TBN)		(Indianapolis VJN) 0555 WFIE 14(KY) 420
2 tr 0530	@WCTT 27 IL 300	3 tr 0000 =WDKY 56 KY 514		WKET 48 OH 400
0538	@WCCU 27 IL 300	WDKBT 53 KY		KDNL 30 MO 432
	KDNL 30 MO 432	0004 W34AY 34 IL 300 (Champaign TBN)		WXMT 30 TN 585
	KNLC 24 MO 432			(Home Shpg Club) 0610 @WAAY 31 AL 685
0600	WDRB 41(IN) 437			
0612	WCET 48 OH 400			

William Draeb (continued)

3 tr 0610	@WKHA 35 KY 554	7 tr 1959	WIII 64 OH 400	13 tr 2029	WCET 48 OH 400
	WDRB 41(IN) 437	Es 2010	WCBdt 2 SC		WKON 52 KY 437
	@WEVV 44(KY) 420	tr 2010	WKMJ 68(IN) 437		WCVnt 54 KY
	WAFF 48 AL 685		(Snow free-2055)	Es 2055	KKTO 2 NM
	WEIU 51 IL		(Cincinnati BB)	2113	KOB t 4 NM
	WKGB 53 KY 553				KNABt 4 TX
	(Full color bar)				KMID 2 TX
	WZDX 54 AL 685				KDBct 4 TX
	WCVN 54 KY 407				KENW 3 NM
	WIII 64 OH 400				KACV 2 TX
0616	WLJct 65 KY			2235	KAMR 4 TX
0618	WFLIt 53(GA)			2240	KFDxt 3 TX
	WPBYt 33 WV			2245	KSWkt 3 KS
	WOSU 34 OH 395				E skip all gone
	WDKY 56 KY			14 Es 2015	KIDK 3 ID
	WTVQ 36 KY 473			2033	KCWct 4 WY
	WKMJ 68(IN) 437			2145	WGBH 2 MA 830
	Iron Mtn UHF's			2210	WBZ 4 MA 830
	snow free off				CBHTt 3 NS
	back of dish.				WCVB 5 MA 830
	WBNA 21 KY 437				WLNET 6(RI)
	CIII41 41 ON 410				WLBZt 2 ME
	CFMT 47 ON 410				WFSB 3 CT 776
	WNYB 49 NY 445				WNBct 4 NY
	(Snowfree o/WAQP)				WCBSt 2 NY
	WUTV 29 NY 445				E skip all gone
	WNED 17 NY 445				unids chs 3, 5
	WNEqt 23 NY				KMIDt 2 TX
	WNEO 45 OH 405				E skip all gone
	WEAO 49 OH 380				unid channel 2
	WPGHt 53 PA				17 Es 2126
	WQLNt 54 PA				KACVt 2 TX
	W62BU 62 IL 170				2159
	(Rockford WWT0-35)				KFDX 3 TX
	WTVJt 16 IL				WUSI 16 IL 402
	0006 K58BX 58 IA				WCBd 2 SC
	Es 0900 unids chs 2-4 w				WESht 2 FL
	tr 1200 KIMT 3 IA 300				unid channel 4
	(Snow free)				1728
	2140 W68BR 68 IL 170				WSB 2 GA 768
	(Rockford WCF0-38)				1745
	(CCI from W68BS)				WTVJt 4 FL
	W62BU 62 IL 170				1749
	(Snow free)				WSAV 3 GA 972
	W33AR 33 IL 170				1750
	(Rockford WCIU-26)				WUFTt 5 FL
6 Es 2030	WESH 2 FL				1758
	WJXT 4 FL				WJXTt 4 FL
	2035 WCBdt 2 SC				1826
	WSAVt 3 GA				WBRZ 2 LA 1002
tr 2035	W40AK 40 MI 115				1828
	(Muskegon CHA)				WEDU 3 FL 1192
Es 2045	WWAY 3 NC				WPBT 2 FL 1368
tr 2050	WPBO 42 OH 462				1930
	WCET 48 OH 400				KATct 3 LA
Es 2055	WEDU 3 FL 1192				HWL t 4 LA
2100	KATC 3 LA 1026				Almost all gone
2106	WLBt 3 MS				2030
	WBRZt 2 LA				Almst a11 gone
tr 2110	WKON 52 KY 437				19 tr 0648
	WDRB 41(IN) 437				W33AR 33 IL
7 Es 1345	unids chs 2-4 s				W62BU 62 IL
1412	KBXT 3 TX				W68BR 68 IL
1429	WLBT 3 MS 865				CBLN5 20 ON 305
1555	KDBC 4 TX 1355				(Snow free)
tr 1959	WXIX 19(OH) 400				CBLN4 45 ON
	WDRB 41(IN) 437				CICA51 51 ON 305
	WCET 48 OH 400				CBLN2 34 ON
	13 tr 0555				Es 1215
	CBCE 16 ON				KRIS 6 TX 1285
					KIII 3 TX 1285
					WKRG 5 AL
					1300-1315 (See Note#2)
					20 tr 2008
					W23AT 23 IL 195
					(Mokena VJN)
					(See Note # 3)
					Es 2137
					unids 2, 3, 5 s
					2156
					WLBT 3 MS 865
					2200
					KATC 3 LA 1026
					WBRZt 2 LA
					21 tr 1827
					WDRB 41(IN) 437
					WCET 48 OH 400
					Es 2105
					unid ch 2+ south

William Draeb (continued)

Note # 1 - 07/11 @ 2000 - KJRH-2. Same style "2" as WESH. Good thing "Tulsa" was on screen next to it.

Note # 2 - 07/19 @ 1300 - Channel 2. Tone with no video. At 1315, full color bars with tone which lasted until 1354. It turned out to be WDIQ. I thought I had Cuba or Mexico or something; what a disappointment!

Note # 3 - 07/20 @ 2008 - W23AT. Nearly snow free. Mokena is about 10 mile east of Joliet. ID slide shown at 2111 and 2112. No Morse code ID noted.

On July 18th (and other times), I got Iron Mountain, Michigan translators good and I noted WLUK-11 on channel 43 (as I have in the past). (In the November 1989 column, I reported my observation of channel 43 carrying WDIV-4. fm).

I don't know when W23AT began operations. I ran across them on July 20th with a nearly snow free picture. They seem to be running about the same power as the one in Waukegon, Illinois. I had to wait over an hour before the ID slide showed up. Then I had to figure out where Mokena was. Another thorn in the ---.

In going over the old VUD's to update my totals, I realized that W42AF (SelecTV) in Ripon isn't on anymore. When did they go dark? That's all for now. 73's. Bill

(Bill, I wonder if the same thing happened at Iron Mountain as happened at Champion. According to a report in the February 1990 Television News column, WDIV forced the operators of a translator there to stop carrying its signal, the carriage of which WDIV had not consented to. fm)

Mike Cherry, Box 631, Ganges BC V0S-1E0 (604) 537-5201

PDT

Equipment:

Kenwood RZ-1 receiver, channel 6 crystal trap. Hitachi 5" black & white monitor, Sony Beta Hi-Fi MTS VCR. Antennas: VHF - Lindsay CC-30 22 element log-periodic with Daico EID-3SV 28 dB mast-mount preamplifier @ 38 feet with "ARM-strong" rotor. UHF - Radio Shack 4 bay with 15-1108 adjustable mast-mount preamplifier @ 57 feet asl/agl.

June 1990	28 tr 0247	KREM 2 WA 315	0252	KXLY 4 WA 315	30 Es 1832	KLNE 3 NE 1325	1900	\$KMTV 3 NE 1440	1933	KNOP 2 NE 1240	1937	f/out MUF: 73MHz	5 Es 2024	\$KPRY 4 SD 1170	2026	KDUH 4 NE 1095	2029	KTVS 3 CO 1165	2044	KEYT 3 CA 1012	2059	KLNE 3 NE 1325	2116	\$KTVS 3 CO 1165	2138	KTVX 4 UT 805	2200	KTVI 4 IA 1390	2202	KLBY 4 KS 1290	2208	\$KIMT 3 IA 1520	2218	KTVK 3 AZ 1230	2220	KFOR 4 OK 1615	2230	KRNV 4 NV 670	2246	f/out MUF: 108+	6 tr 1956	OR 24, 24 s/free	2005	KMTR 16 OR 330	1912	KTWS 3 CO 1165	1920	KWGN 2 CO 1110	1938	KIDK 3 ID 650	2000	KUSD 2 SD 1350	2001	KSKW 3 KS 1365	2052	KKTO 2 NM 1260	2100	\$KTVK 3 AZ 1230	2136	KNAZ 2 AZ 1145	2138	f/out MUF: 91.1	9 tr 0727	KAYU 28 WA 315	0730	KXLY 4 WA 315	0733	KREM 2 WA 315	0736	KLEW 3 ID 355	Es 1946	KLNE 3 NE 1325	2000	KTVS 3 CO 1165	9 Es 2001	KMTV 3 NE 1440	2032	KIMT 3 IA 1520	2100	KSWK 3 KS 1365	2104	KOB 4 NM 1290	2136	unid 3z Spanish at 120°	2158	KUSD 2 SD 1350	2207	f/out MUF: 72MHz	10 tr 0638	Yakima U's 225	Es 2100	KTVS 3 CO 1165	2130	unid ch 3 ese	2159	\$KOTA 3 SD 1030	2200	KNOP 2 NE 1240	11 Es 2200	KTVK 2 AZ 1230	12 Es 1726	\$KVBC 3 NV 995	1900	KOTA 3 SD 1030	1916	KCRA 3 CA 740	15 Es 2014	KDUH 4 NE 1095	2026	KTVS 3 CO 1165	2029	\$KTWO 2 WY 940	2139	\$KEYT 3 CA 1010	17 Es 1816	\$KMTV 3 NE 1440	1913	KSNBt 4 NE	1931	\$KCNK 4 CO 1110	1936	KWGN 2 CO 1110	tr 1946	OR 24, 32 s/free	Es 1958	KIEM 3 CA 560	tr 2120	KCMT 27 WA 195	2148	KBPS 22 OR 275	(Over KTZZ-22)	18 tr 0714	KATU 2 OR 235	0735-0815	Tri-Cities & Yakima U's	20 Es 2114	KTVS 3 CO 1165
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Mike Cherry (continued) 22 Es 1829 KTVS 3 CO 1165 22 tr 2146 KCKA 15 WA 165
 1834 KLBY 4 KS 1290 (Snow free)
 22 Es 1814 KVOA 4 AZ 1325 1900 KVBC 3 NV 995 Es 2200 KNAZ 2 AZ 1145
 1827 KTVK 3 AZ 1230 1958 KSWK 3 KS 1365 \$KTVK 3 AZ 1230

CORRECTION: On reviewing videotape - May 28th E skip 1200 and 1230 PDT - calls are XHPN 3 CU, not XEPN as reported in July 1990. Sorry.

E skip has mostly been spotty and very sporadic - usually only one, maybe two stations in at a time and usually for about 15-30 minute durations. Some loggings this report were openings of two minutes duration or less! The Dalco EID-35V preamplifier was sent to me as a prize by Doug Allen in Colorado who intended it for FM use. Same problem as with Realistic 15-1108 - on FM there is too much intermod, imaging, etc. I decided to try it as a comparison to the Lindsay VX-25 preamplifier and like the Dalco unit better when both have been used on the VHF-TV array. The EID-35V has an extra three dB of gain and has no gain adjustment - a feature I don't use or need anyway. I'll box up the VX-25 as a spare, if needed. Hope everyone has taken a shot for some meteor scatter with the Delta-Aquarids (late July) and Perseids (August). Good luck with the ID's!

The above E skip loggings don't include numerous unids except for the two with some clues as to origin. Some relogs not noted. As I'm well into my 2nd season of TV E skip, I'm getting to know my "regulars" (read: pests) KTVS-3 CO, KSWK-3 KS, KLBY-4 KS, KMTV-3 NE, KTVK-3 AZ, and KVBC-3 NV have been in almost daily! Very little tropo, but with the hot weather there has been a fair amount of local enhancement (up to 200 mile-range) on all bands recently. No meteor scatter or F2 noted. 73's, Mike

Doug Allen, P.O. Box 5646, Woodland Park CO 80866 (W2CRS) MDT

DX from my gift shop in Divide, four miles west of my home in Woodland Park at 9100 feet.

Equipment:

1981 13" black and white Magnavox, Antennacraft CS-1000 30 element yagi at 20 feet with rotor.

<u>June 1990</u>	22 Es 1232 WSB 2 GA 1200	6 Es 1200 KREM 2 WA 855
1 Es 1806 WCMH 4 OH 1170	1235 WAVE 3 KY 1035	KLEW 3 ID 795
5 tr 1100 KSWK 3 KS 230	1303 WDIQ 2 AL 1165	(State #28)
6 Es 1400 CFRN 3 AB 1066	1305 WRBL 3 GA 1225	1357 CKND2 2 MB 816
11 Es 1400 unid ch 3 PBS	1700 KATC 3 LA 950	1400 CBWFTt 3 MB
1430 unid ch2 Spanish		KBMEt 3 ND
unid ch3 Spanish	<u>July 1990</u>	unid channel 4
14 tr 0930 KSWK 3 KS 230	1 Es 1730 KGFE 2 ND 720	1430 KBME 3 ND 555
Es 1329 WSIL 3 IL 880	(State #27)	7 Es 1307 KRAL 6 TX 745
1346 WMAR 2 MD 1515	1740 CBWFTt 3 MB	1359 WTTV 4 IN 1010
(Double hop -	3 Es 1330 WRCB 3 TN 1115	1533 WAVE 3 KY 1035
state # 26)	4 Es 1100 WCIA 3 IL 885	11 Es 1047 WDTN 2 OH 1110
1400 WDTN 2 OH 1110	1159 KGAN 2 IA 725	1100 WTWO 2 IN 945
1510 WTWO 2 IN 945	1500 CFAC 2 AL 945	1217 WTVF 5 TN 1015
1515 WAVE 3 KY 1035	5 Es 1100 WBRZ 2 LA 990	1252 WKRN 2 TN 1015
1526 WJMN 3 MI 1040	1300 KEYT 3 CA 880	1334 WSIL 3 IL 880
16 tr 1000 KBSL 10 KS 190	KNBCt 4 CA	1400 KTVI 2 MO 790
KTVS 3 CO 155	6 Es 1030 KEYT 3 CA 880	12 Es 1151 WBRZ 2 LA 990
KSWK 3 KS 230	1037 KSBY 6 CA 895	1200 KATC 3 LA 950
1030 KSTF 10 NE 220	1100 KOMO 4 WA 1050	13 tr 1040 KSTF 10 NE 220
18 Es 1400 XEFB 2 NL 961	1130 KATU 2 OR 1005	1100 KGWN 5 WY 145
1511 WBRZ 2 LA 990	1131 CFAC 2 AL 945	

All of the above DX was from my store in Divide, Colorado, about three miles west of my house. Although at 9100 feet elevation, it is 100 feet higher than my home QTH; it is situated in a depression with the horizon only a few hundred feet to the north, Pikes Peak ten miles south southeast, and Rampart Range five to ten miles to the east. It is a better location for E skip, a worse one for tropo than my home QTH on the top of a hill. It undoubtedly is a better tropo DX location for west and south, but I have yet to get any tropo from those directions.

After the late May - early June E skip which I mostly missed, E skip has been poor to fair, not one of the better years.

I plan to have my UHF DX'ing setup up and running by the end of August.

Doug Smith, 3105 Oakridge Avenue, Madison, WI 53704-5848

CDT

Equipment:

Sears tabletop color stereo set, big (model unknown) Winegard VHF only, and Radio Shack "panel" UHF, antennas up about 25 feet.

<u>July 1990</u>	4 tr 2003 KSTP 5 MN 221	4 tr 0740 WHMB 40 IN 269
3 tr 0600 WIIB 63 IN 299	WKBT 8 WI 114	W68BR 68 IL 60
WHMB 40 IN 269	WHLA 31(MN) 107	(Rockford WFCF-38)
1900 KTVDt 3 MO	6 Es 1014 WESH 2 FL 1041	WXIN 59 IN 268
(See Note # 1)	2021 WMAR 2 MD 687	WEEK 25 IL 170
WTJR 16 IL 228	2027 WUND 2 NC 826	WTTK 29 IN 225
WICS 20 IL 219	2100 WBRZ 2 LA 864	WCLJ 42 IN 299
WRSP 55 IL 217	7 tr 0740 WYIN 56 IN 136	W36AO 36 IL 80
WAND 17 IL 211	W62-- 62 ??	(Palatine VJN)
WYIN 56 IN 134	(See Note # 3)	8 Es 1355 WPBT 2 FL 1291
WCIA 3 IL 204	WICD 15 IL 219	WESH 2 FL 1041
(See Note # 2)	(See Note # 4)	WUFT 5 FL 971
4 tr 2003 WHWC 28 WI 174	W33AR 33 IL 60	1900 WPBT 2 FL 1291
WEAU 13 WI 126	(Rockford WCIU-26)	

Distances on LPTV's are approximate.

Note # 1 - Tentative. Severe CCI to WISC-3 while Quad Cities and Quincy stations were in with excellent signals.

Note # 2 - I knew I'd eventually log a DX station on channel 3 (WISC-3 is ten miles away and line of sight..) but never thought I'd do it on tropo before I'd do it on E skip! News with CBS national stuff and ad for apartment complex with area code 217 slipped in while WISC-3 was in black.

Note # 3 - TBN, relaying WWTO-35 off air. (They aired a WWTO ID at 0800). Suspect Rockford, but could be elsewhere.

Note # 4 - Local WMTV-15 off air until at least 0930 with transmitter problems.

(I presume your logging of WWTO on channel 62 is W62BU, Rockford. fm)

Ed Frye, 22618 Cardiff Drive, Santa Clarita CA 91350-3017

PDT

Equipment: See August 1990 Western TV-DX

July 1990

8 Es 1045	cci - channel 2 northeast
10 Es 2300	cci - channel 2 northeast-east; weather hot and humid
15 Es 2345	cci - channel 2 northeast-east; very heavy to east
2355	unid channel 2 east; "Siske" & "Ebert" under KCBS
16 Es 0000	KOAB-3 (685 miles)
0010	unid channel 2 east; audio in/out over KCBS
0015	unid channel 2 east; extremely heavy CCI and pulsating of pictures; audio overtakes KCBS program
0020	opening and cci completely fade out
0900	cci - channel 2 northeast returns! Hot/humid conditions continue
0930	KLEW-3 (810 miles)
	cci - channel 2; heavy "venetian blinds"; MUF briefly to channel 4
0940	KOAB-3; lasts until 1010
0945	cci - channel 2; nearly overtaken again!
1015	unid channel 3 east; "Golden Girls"
1030	opening rapidly fades; weather conditions cool down
19 Es 1900	cci - channels 2 and 4 northeast-east
1915	unid channel 3 east; ABC; central time zone; "Young Riders"
	cci - channel 4 east; heavy
1920	unid channel 2 northeast; CBS (under local KCBS)
2000	KACB-3 (1090 miles); lasts until 2025
2015	cci - channel 2; extremely heavy - KCBS out
2030	opening fades

July 90 in normally dry southern California was earmarked by two tropical storms/hurricanes off the Baja peninsula that sent uncommon amounts of humidity inland. This, in conjunction with the high temperatures that prevail at this time of year, promoted some peculiar low-band skip. In fact, I cannot recall having witnessed such strong co-channel interference on channel 2 before. Noteworthy were the morning hours of July

Ed Frye (continued) 16th when a very bold "venetian blind" pattern, accompanied by an intense pulsating picture, dominated channel 2 and overtook local KCBS. Yet, despite all this activity on the screen, only two regional relogs emerged through this short but vivid opening -- KOAB-3, Bend OR and KLEW-3, Lewiston ID.

John Ebeling, 6843 County Road 47, Alborn MN 55702

CDT

DX from cabin at Alborn (Prosit), Minnesota

Equipment: See July 1990 Western TV-DX

Since May (the hot month!), E skip seems to have declined somewhat. I spent a few days in northwest Ontario this past week, but found no E skip on the FM band while up there. (Dryden, Atikokan and Sioux Narrows regions).

<u>June 1990</u>	13 Es 1018 KKTO 2 NM 1054	4 Es 1200 unid ch 2 XEW
2 Es 0930 KPRC 2 TX 1213	1100 KACV 2 TX 935	1400 KREM 2 WA 1152
1000 WFMY 2 NC 1011	KAMR 4 TX 937	6 Es 2200 KBCI 2 ID 1156
1030 WRAL 5 NC 1066	1300 KMID 2 TX 1149	8 Es 2200 WCBQ 2 SC 1184
unid 2, 4 Super 4,	14 Es 0115 CKSA 2 SK 884	2230 WSB 2 GA 1010
CFRS-4? French 4,	0930 KPRC 2 TX 1213	2300 WPBT 2 FL 1602
Cable 7	1500 unid ch 4 Texas	WDIQ 2 AL 1116
1843 WCBQ 2 SC 1184	unid ch 2 Texas	2318 WMAB 2 MS 960
1900 WYFF 4 SC 971	unids chs 2-5	15 Es 2355 KNAZ 2 AZ 1282
3 Es 1800 WCBQ 2 SC 1184	25 Es 1730 KNAZ 2 AZ 1282	16 Es 0005 KMID 2 TX 1149
8 Es 1700 WUND 2 NC 1134	(Only one in)	20 Es 2032 KOMO 4 WA 1384
10 Es 1030 unid NBC-2 CBS-2	1 Es 1812 KUTV 2 UT 1065	23 - 26 In Canada on trip
1100 WGRZ 2 NY 748	3 Es 1630 KDTN 2 TX 1021	27 Es 2137 KREM 2 WA 1152
1255 KKTO 2 NM 1054	(Like a local)	2340 unid channel 2
11 Es 1000 KMID 2 TX 1149	4 Es 0930 KREM 2 WA 1152	(Very good pic)

Jeff Kadet, Box 20, Macomb IL 61455

CDT

Equipment:

Zenith 9" black & white, Zenith 12" black & white, Zenith N1310, Zenith Y1310 (all circa 1979-1982). Winegard CS-2073 10 element ch 7-13 log periodic with CP 3800 preamp, RG-11 foam up 80'; Channel Master 7' dish with PA 4975 preamp, .500 aluminum hardline, up 75'; Stereo Probe 9 with RG-11 foam up 43'; Finco 5 element 50-54 MHz yagi with Belden 9913 up 37'

<u>May 1990</u>	28 Es 0354 KREM 2 WA 1403	29 Es 1159 KSWK 3 KS	27 Es 1100 KLBY 4 KS 572
	KHQ 6 WA 1403	31 Es PM KTAL 6 LA 580	
0359 @KZZC 4 UT			
	KVBC 3 NV 1351	<u>June 1990</u>	<u>August 1990</u>
0521 CFQC1 3 SK 1149	9 tr at Frank Merrill's	1 New dish installed	tr PM K58DH 58 MO 125
@KTVX 4 UT 1127	0500 CHCH 11 ON 593	(St. Louis	VJN)
KUTV 2 UT 1127	WJBK 2 MI 411	WPBY 33 WV 472	
KGWN 5 WY 750	WJJA 49 WI	2017 W62BU 62 IL 150	
0538 @CHAT 6 AB 1186	(Home shopping)	(Rockford	TBN)
@KIDK 3 ID 1145	W34AY 34 IL 148	WPGH 53 PA 561	
0654 @KTVQ 2 MT 966	(Champaign	WPCB 40 PA 573	
0714 CFQC2 6 SK	TBN)	2 tr 0006 W47AZ 47 IN 240	
0727 CBKFT2 3 SK 1133	Cuba ch 5 - TP	(Indianapolis	VJN)
1400 CKRD 6 AB 1358	26 Es 1435 XERP(T?) 2 ??	0315 W19BA 19 MI 308	
CITL 4 AB	(ID w/XERPS(Ts?))	(Grand Rapids	TBN)
CKBI 5 AB	(New station?)	WDSA 20 DC 728	
CBXT 5 AB 1410	1830 WDIQ 2 AL 660	0900 WDSI 61 TN 467	
1723 XHBQ 3 ZA 1370	27 Es 1000 WMAB 2 MS 498	WTCT 45 TN 467	

There occurred a minor mishap here in March. Mainly, my seventy foot tower fell during a severe windstorm. At least it fell on my house and not a neighbors'. My ham antenna and the channel 7-13 log periodic were demolished, but the seven foot dish survived somewhat intact, with no harm to the bowties or screen. A few reflectors were slightly bent and a few others broke, but they were repairable. The dish was stacked between the ham and the log periodic so it was "cushioned" in the fall.

Jeff Kadet (continued)

Anyway, I decided to put up a new tower, but this time it was done in such a way that I'll never have to worry about it falling again. Better quality tower, guys, anchors, mast, plus guy wire redundancy in case any should somehow break. A new dish was ordered, but the order got messed up. So instead of waiting for most of August for a new one to come, I decided to repair the one that fell and screen it. Screening was done per the Nate Ely method of using strips of 1/2" hardware cloth between the reflectors in front and fastening them with cable ties. I used about 150 ties, so the parabolic shape was kept well intact.

I also decided to put the tower up another ten feet to eighty feet. This extra ten feet makes a big difference as the antennas are now above all of the trees in town. Also purchased a Winegard PA-1375, their low noise VHF equivalent to the PA-4975, and am using my old CM 1110 under the dish. The combination of screening and extra height makes a very significant difference. The screening makes the front to back on the dish awesome, plus it does increase the gain somewhat. Needless to say, this new antenna system is a keeper. I never want to even think of TV antennas again!

Lots of E skip seen, but I didn't bother logging any unless it was unusual. The May 28/29 E skip was the most intense ever noted. There was E skip on channel 6 for twenty seven consecutive hours. E skip station total now at 230.

Congratulations to Roy Barstow on his terrific tropo catches while using only a modest system. 73.

Randy Miltier, 1068 Fairview Avenue, San Jose CA 95125 (KK6BO)

PDT

Equipment:

1989 Zenith 27", Zenith VCR, Channel Master Quantum 1160A VHF/UHF antenna @ 50 ft, Alliance rotor.

Well, 1990 should go down as one of the worst years for sporadic E on the west coast. Conditions have really been lacking here for any good openings. July 1st was the best day I observed here and it really wasn't anything to write about. However, there was one bright spot and that was today, August 3rd, when CFQC on channel 3 was seen. This really caught me by surprise as the antenna was pointed EAST with what looked to be the old reliable KENW-3 and KACV-2. When the ID came up it was CFQC (new here) and the camera was in the car! I did finally manage a photo of the ID but nothing like what I saw when it first appeared....just goes to show you, ya never know!

Al Tobia and myself went to Ashland, Oregon for a big DX'pedition. The only DX we snagged was KNOP-2 in Nebraska and we barely got it. DX conditions just weren't there for us. Oh well, we had fun anyway, next time I think we'll go in July. (Lenny Goldberg, call me at 408-264-5870 or drop a line).

I hope sporadic E was happening somewhere else in the country cause it wasn't happening here. Until next time, 73...

<u>June 1990</u>	5 Es 0820 KMIDt 2 TX	6 Es 0930 KSWK 3 KS 1120	15 Es 1131 unid channel 3
14 Es 1357 KKTO 2 NM 861	1111 KTVQ 2 MT 940	8 Es 1700 KTVSt 3 CO	(ID'd w/NBC,CBS, & LBS - KTVS?)
1358 KACV 2 TX 1125	1702 XEPM 2 CH 960	1900 KENW 3 NM 1060	
CCI on channel 4	1729 unid ch3 Spanish	1901 KACV 2 TX 1125	
17 Es 1205 XHQ t 3 SI	1731 unid ch6 Spanish	17 Es 1833 KTVQ 2 MT 940	
1826 KMID 2 TX 1170	1740 unid ch 2 NBC	1834 CCI chs 3, 4	
1828 KENW 3 NM 1060	1802 unid channel 4	19 Es 1059 KACV 2 TX 1125	
1900 KSWK 3 KS 1120	1826 KTVK 3 AZ 620	1338 unid channel 3	
1920 CCI on chs 2-6	10 Es 0827 KOTA 3 SD 1082	1525 KMID 2 TX 1170	
18 Es 0751 CCI on channel 2	0855 KTWO 2 WY 905	1633 KENWt 3 NM	
1832 CCI on chs 2, 3	11 Es 1000 KXMA 2 ND 1169	2029 KACV 2 TX 1125	
23 Es 1948 CCI on chs 2-6	1028 KOTA 3 SD 1082	22 Es 1000 KACV 2 TX 1125	
2000 KSWK 3 KS	1031 KDLO 3 SD 1367	1001 KENW 3 NM 1060	
30 Es 2130 KRTV 3 MT 890	1431 KTVS 3 CO 1039	26 Es 0929 KACV 2 TX 1125	
	1450 KNOpt 2 NE	0930 KFDX 3 TX 1331	
<u>July 1990</u>	1 Es 2050 KENWt 3 NM	1059 KENW 3 NM 1060	
2057 unid ch 4 "MASH"	1451 KLNE 3 NE 1225		
2149 KMID 2 TX 1170	1456 KBDS 6 KS 1182		
4 Es 1230 KOTAt 3 SD	1625 unid ch 2 PBS	<u>August 1990</u>	
1259 KBME 3 ND 1256	1631 KTVS 3 CO 1039	2 Es 1935 unid ch2 Spanish	
6 Es 0828 KACV 2 TX 1125	12 Es 1414 unid channel 3	unid ch3 Spanish	
0830 KENW 3 NM 1060	1419 KACV 2 TX 1125	3 Es 0900 CFQC1 3 SK 1190	
0842 KVIOT 6 NM	1420 KENW 3 NM 1060	0924 unid channel 3	
0858 KTWO 2 WY 905	1426 KAMRt 4 TX	0947 unid ch 3 PBS	
0859 unid ch 6 CBS	unid channel 2	1028 KTVS 3 CO 1039	
	13 Es 2003 CCI chs 2-4	unid ch 2 Canada	

Pat Dyer, 5315 Silvertip Drive, San Antonio TX 78228-2744

CST

Equipment:

1980 model 9" J.C. Penney b&w with Archer V-100 and 8-bay bow-tie UHF array at 20 feet with rotor.

June 1990

1 Es 1701 WJMN 3 MI 1310	11 Es 2059 CKND2 2 MB 1440	19 Es 1531 WRCB 3 TN 865
1729 KGAN 2 IA 960	12 Es 0945 Cuba ?? ch 2	1534 WTWO 2 IN 925
1858 KTCA 2 MN 1115	13 Es 1130 KWGN 2 CO 805	1859 KGAN 2 IA 960
2 Es 1759 WSJK 2 TN 1005	1201 KUTV 2 UT 1085	1903 WCIA 3 IL 930
1859 WKRN 2 TN 815	1326 KTVQ 2 MT 1245	20 Es 1957 KEYT 3 CA 1300
2059 KVBC 3 NV 1055	1559 KCBS 2 CA 1190	21 Es 1359 WPBT 2 FL 1145
KNAZ 2 AZ 845	1712 WKRN 2 TN 815	1429 WEDU 3 FL 990
3 Es 0314 KTVI 2 MO 780	1803 YSR 2 ES	1528 WDIQ 2 AL 735
2102 KOTA 3 SD 1040	14 Es 0859 KOTA 3 SD 1040	1549 WWAY 3 NC 1235
2117 WDTN 2 OH 1075	KGAN 2 IA 960	1609 WBTV 3 NC 1085
4 Es 1033 KTVK 3 AZ 840	1435 WJBK 2 MI 1235	22 Es 1128 WJBK 2 MI 1235
1059 KVBC 3 NV 1055	1529 KXMA 2 ND 1215	1257 WTWO 2 IN 925
KNAZ 2 AZ 845	1532 WBBM 2 IL 1050	1300 WDTN 2 OH 1075
1159 KUTV 2 UT 1085	1534 WWMT 3 MI 1160	23 tr 0039 KBMT 12 TX 280
1214 KCBS 2 CA 1190	1547 WTWO 2 IN 925	0045 KFDM 6 TX 275
1245 KWGN 2 CO 805	1558 WJMN 3 MI 1310	0247 KLFY 10 LA 370
1258 KREG 3 CO 850	1600 WBAY 2 WI 1180	0439 KATC 3 LA 370
1259 KTVQ 2 MT 1245	15 Es 1324 KCBS 2 CA 1190	0444 WAFB 9 LA 440
1129 KIDK 3 ID 1240	1359 KNAZ 2 AZ 845	25 Es 1659 WCIA 3 IL 930
1659 KBME 3 ND 1190	1459 KREG 3 CO 850	1829 WRTV 6 IN 1000
KDKA 2 PA 1290	1530 KWGN 2 CO 805	1946 WITI 6 WI 1110
1700 CKND2 2 MB 1440	1617 KTWO 2 IN 1015	2117 WAVE 3(IN) 950
tr 2128 WVLA 33 LA 435	2100 WBAY 2 WI 1180	2128 WSJK 2 TN 1005
2129 KADN 15 LA 380	2119 KDLO 3 SD 1070	2143 WCBD 2 SC 1135
2139 KPXC 7 LA 335	16 Es 1059 KGFE 2 ND 1290	26 Es 1256 WDTN 2 OH 1075
6 tr 0350 KTRF 9 TX 260	KGAN 2 IA 960	2115 KDLO 3 SD 1070
0403 WAFB 9 LA 440	1100 KDLO 3 SD 1070	28 tr 0337 KTRF 9 TX 260
0409 KNOE 8 LA 425	1229 KUSD 2 SD 940	Es 1458 WBAY 2 WI 1180
0414 KLFY 10 LA 370	2119 KDLH 3 MN 1245	1506 WKYC 3 OH 1250
0417 WJTV 12 MS 515	2237 KTWO 2 WY 1015	1517 WAVE 3(IN) 950
0420 KETG 9 AR 440	17 tr 0006 KLFY 10 LA 370	1528 KJMT 3 IA 1010
KTAL 6(LA) 355	0416 KLTV 7 TX 290	1532 KGAN 2 IA 960
WLBT 3 MS 520	Es 1210 KUTV 2 UT 1085	1541 KAAL 6 MN 1020
0442 KTBS 3 LA 350	1857 KGFE 2 ND 1290	1558 WITI 6 WI 1110
Es 0744 WKRN 2 TN 815	1859 KMTV 3 NE 830	2229 WSAZ 3 WV 1120
0753 WSAZ 3 WV 1120	2114 KDLO 3 SD 1070	29 Es 2034 KQTV 2 MO 740
7 Es 0917 WCBD 2 SC 1135	18 Es 1059 KGAN 2 IA 960	2059 KUSD 2 SD 940
0930 WDTN 2 OH 1075	1359 KXMA 2 ND 1215	30 Es 1822 WWMT 3 MI 1160
0958 WESH 2 FL 1035	1736 WFMY 2 NC 1170	1832 WCIA 3 IL 930
0959 WSIL 3 IL 795	1758 WFMY 3 NC 1170	2100 WBTV 3 NC 1085
8 Es 1024 XHBC 3 BN 1025	19 tr 0323 KLFY 10 LA 370	2115 WTWO 2 IN 925
1057 WFMY 2 NC 1170	Es 0859 WFMY 2 NC 1170	2121 WDTN 2 OH 1075
9 Es 1158 WTWO 2 IN 925	0958 WCBD 2 SC 1135	2157 KMTV 3 NE 330
	1239 WSAV 3 GA 1035	2247 KXMA 2 ND 1215

E skip MUF reached 144 MHz on June 1st (Michigan, Wisconsin, and Illinois), June 3rd (W4, W8, W9, and Maryland) and June 28th (Illinois).

The dreaded K02MX LPTV raised its ugly form again on June 19th. I'm in the process of trying to determine the licensing requirements, etc. from the FCC Broadcast Bureau in DC with regard to programming, renewal of permit, etc. If that doesn't work, I may get with some of the members on the House Subcommittee on Telecommunications.

Almost three years of nothing but color bars with tone has been a complete travesty of the intent of the LPTV service. 73, Pat, WA5IYX

William Eckberg, 1032 Sterling Road, Dixon IL 61021

CDT

Equipment: See July 1990 Western TV-DX

June 1990

1 Es 0730 WPBT 2 FL 1229	1 Es 1300 KMID 2 TX 967	3 Es 2103 KATC 3 LA 809
WEDU 3 FL 1031	2100 WPTV 5 FL 1168	2130 KPRC 2 TX 893
1300 KENW 3 NM 912	2357 KIII 3 TX 1072	2200 KDTN 2 TX 719
		2210 KMID 2 TX 967

William Eckberg (continued)

27 Es 1200 WTVY 4 AL 758	8 Es 1548 WPTV 5 FL 1168
1300 WTVJ 4 FL 1229	1553 WCIX 6 FL 1229
28 Es 1430 KWGN 2 CO 811	1555 WPBT 2 FL 1229
1700 KACB 3 TX 933	1600 WEDU 3 FL 1031
1715 KENS 5 TX 992	1615 XEPM 2 CH 1162
1900 KENW 3 NM 912	1700 WUFT 5 FL 923
2105 KNAZ 2 AZ 1258	9 tr 0530 KSAX 42 MN 404
11 Es 2200 KKTO 2 NM 972	12 Es 1100 WBRZ 2 LA 784
12 tr 0415 WLOS 13 NC 558	1635 KKTO 2 NM 972
0420 WBIR 10 TN 489	KTWO 2 WY 849
0455 WKCH 43 TN 489	13 Es 1300 KMID 2 TX 967
0515 WEMT 39 TN 518	1400 KENW 3 NM 912
0530 WBSN 47 VA 483	18 Es 1800 WPBT 2 FL 1229
0533 WUNF 33 NC 558	WESH 2 FL 983
0545 WMSY 52 VA 533	WEDU 3 FL 1031
25 Es 2100 KNME 5 NM 1026	1135 KGBT 4 TX 1183
26 Es 1830 WPBT 2 FL 1229	1230 WPBT 2 FL 1229
27 Es 0515 WPBT 2 FL 1229	WEDU 3 FL 1031
0730 KXAS 5 TX 757	1330 KPRC 2 TX 893
KDTN 2 TX 719	1400 KRGV 5 TX 1189
0830 WLBT 3 MS 651	1435 KMID 2 TX 967
0900 WWL 4 LA 813	1455 WBRZ 2 LA 784
WBRZ 2 LA 784	1500 KJAC 4 TX 856
0930 KBTX 3 TX 856	1635 KTWQ 2 WY 849
1200 WEDU 3 FL 1031	8 Es 1545 WTVJ 4 FL 1229

July 1990

2 tr 0530 KTAJ 16 MO 311	2225 WKSO 29 KY 405	13 Es 1300 KMID 2 TX 967
4 tr 0420 KSNF 16 MO 413	0455 CFPL 10 ON 419	1400 KENW 3 NM 912
7 Es 1130 KBTX 3 TX 856	KIII 3 TX 1072	18 Es 1800 WPBT 2 FL 1229
1135 KGBT 4 TX 1183	19 Es 0415 CKCK 2 SK 918	WESH 2 FL 983
1230 WPBT 2 FL 1229	1000 WPBT 2 FL 1229	WEDU 3 FL 1031
WEDU 3 FL 1031	1055 WTVJ 4 FL 1229	1110 WPTV 5 FL 1168
WTVJ 4 FL 1229	1130 KRGV 5 TX 1189	1158 WEAR 3 FL 792
1330 KPRC 2 TX 893	1230 KRIS 6 TX 1072	1400 WDSU 6 LA 813
1400 KRGV 5 TX 1189	21 tr 0230 W24AI 24 IN 132	(Michigan City TBN)

Is WEMT a new call for WETO in Greeneville, Tennessee? (Yes. fm). Asheville 33 shows a slide before sign on with the letters NCPT, nothing else. It took a couple minutes to decide who I had - North Carolina Public Television.

Michael Parks, Route 1, Box 103, Amery WI 54001

CDT

Equipment:

Channel Master 1110 Quantum with Channel Master 0064C preamplifier and RG-11U at 28', Antennacraft P-7 with Winegard PA-4975 preamplifier and RG-11U at 33', Alliance HD-73 rotor, Winegard DA-8150 post-amplifier, Channel Master 7206 Hi "Q" trap, and Zenith Z1920W 19" color TV.

May 1990

29 tr 0110 K45AR 45 MN 144	4 tr 2308 KDEB 27 MO 568
(Eagle Bend C-Span)	KSPR 33 MO 567
0144 K28DF 28 MN 111	2309 KDNL 30 MO 482
(Brainerd KMSP-9)	2310 KHSL 46(MO) 493
0211 KFME 13 ND 260	5 tr 0110 KOLR 10 MO 567
0327 K26CL 26 MN 157	(Under KTTC-10)
(ATexasdria WGN-9)	0258 KSHB 41 MO 453
(Unscrambled)	13 tr 0326 K15CE 15 MN 144
K26AC 26 MN 191	(Redwood Falls KTMA-23)
(Bemidji KVR-15)	(See Note # 2)
(0 kHz - K26CL)	Plus chs 17, 60,
(See Note # 1)	%62, 66, 68
Es 1359 KIDK 3 ID 1012	0329 K30AC 30 MN 188
1459 KLEW 3(WA)1191	(Marshall KSTP-5)
1600 CFRN 3 AB 1086	0349 K45AR 45 MN 144
1838 WEAR 3(AL)1052	0350 K28DF 28 MN 111
1843 WDSU 6 LA 1076	0424 K2SD 16 SD 262
1858 WCTV 6(FL)1114	0436 K21AK 21 MN 176
1903 WUFT 5 FL 1211	(Morris Starion)
1930 KIII 3 TX	0438 K57BL 57 MN 188
2000 WTVY 4(FL)1062	(Donnelly KTHI-11)
WWL 4 LA 1078	K61BJ 61 MN 188
2058 KPRC 2 TX 1109	(Donnelly KVR-15)
31 Es 1400 WRBL 3 GA 989	(See Note # 3)
1019 K63DY 63 MN 110	K59BT 59 MN 188
(Little Falls KMSP-9)	(Donnelly KMSP-9)
K69DA 69 MN 110	K63BW 63 MN 188
(Little Falls KSAX-42)	(Donnelly KSAX-42)
K32AE 32 MN 133	14 Es 1402 WLBT 3 MS 918
(Long Prairie KSAX-42)	1422 KBTX 3 TX

June 1990

1 Es 0104 WRBL 3 GA 989	0155 WSB 2 GA 908
1530 WLBT 3 MS 918	3 Es 1900 KATC 3 LA 1062

Michael Parks (continued)

14 Es 1422 KFDX 3 TX 863	10 tr 0311 W65BT 65 WI 271	20 tr 0012 K62AA 62 MN 144
1500 KACB 3 TX 1049	(Milwaukee WCIU-26)	(Redwood Falls WCCO- 4)
16 Es 2146 KIDY 6 TX 1053	0315 W27AU 27 WI 133	K66BB 66 MN 144
25 Es 2000 KBTX 3 TX 1047	(Wausau w/WISN-12)	(Redwood Falls KMSP- 9)
2100 WLBK 3 MS 918	(Normal WJFW-12)	K68BJ 68 MN 144
2130 KFDX 3 TX 863	0414 K27CW 27 MN 93	(Redwood Falls KARE-11)
26 Es 2205 WWAY 3 NC 1078	(Rochester KITSN-29)	0015 K39CHT 39 MN
2231 WBTV 3 NC 906	(See Note # 6)	(Too much W39AF)
27 Es 0116 WESH 2 FL 1286	0432 K26CL 26 MN 157	0032 K15CE 15 MN 144
WSB t 2 GA	(Now scrambled)	(See Note # 2)
28 Es 1823 KIII 3 TX 1261	0501 K15CE 15 MN 144	K17BV 17 MN 144
1839 KRGV 5 TX 1365	(See Note # 2)	(Redwood Falls KITSN-29)
(See Note # 4)	0513 K65BY 65 IA 214	
1900 KCENT 6 TX	(Waterloo TBN)	
1902 KIDY 6 TX 1053	11 Es 1553 KATC 3 LA 1062	August 1990
	12 Es 1500 KMID 2 TX 1065	2 Es 1956 KIII 3 TX
	(As per their CP offset now -)	KPRCT 2 TX
July 1990	1515 KIDK 3 ID 1012	2100 KRIS 6 TX 1256
2 tr 2200 KDLO 3 SD 260	16 tr 0012 K65BY 65 IA 214	WDSU 6 LA 1076
3 tr 0027 KESD 8 SD 253	0044 K42AV 42 MN 145	2158 KMID 2 TX 1065
0029 KMEG 14 IA 282	(St. James KTMA-23)	2230 KPRC 2 TX 1109
0035 Green Bays 2, 5, 11 over locals	K5OAB 50 MN 145	3 tr 2340 K16BQ 16 MN 111
0036 Chicago UHF's	(St. James KITSN-29)	(Brainerd KSAX-42)
South Bend 16,	(See Note # 7)	K54AT 54 MN 127
22, 46	Es 0116 KVBC 3 NV 1350	(Brainerd KVRN-15)
0038 WJJA 49 WI 278	17 tr 2340 K30AC 30 MN 188	2341 K28DF 28 MN 111
1358 WTJR 16 IL 382	2343 KDSO 16 SD 262	2344 K45AR 45 MN 144
7 Es 1757 KIDK 3 ID 1012	18 tr 0004 @KITW 17 SD 258	2345 K63DY 63 MN 110
9 tr 0105 KOIA 15 IA 307	(See Note # 8)	K69DA 69 MN 110
0029 @KJMH 26 IA 322	0007 KESD 8 SD 253	2346 K20AC 20 MN 151
0232 @KQWC 6 IA 281	0010 K20AD 20 MN 209	K63DX 63 MN 151
0235 WIFR 23 IL 265	(Worthington KSTP- 5)	2348 K32AE 32 MN 133
10 tr 0125 K44AE 44 MN 135	20 tr 0012 K58AST 58 MN	2349 K66BI 66 MN 109
(Willmar w/Misc- 2)	(Too much K58BS)	(Aitkin WDIO-10)
(See Note # 5)	K60AO 60 MN 144	4 tr 0029 K17BV 17 MN 144
	(Redwood Falls KSTP- 5)	K15CE 15 MN 144
		(See Note # 2)

Note # 1 - This station and associated station K18AI, Grand Rapids, both run black screens all night while primary KVRN-15 is off. Don't know what purpose this serves other than to waste electricity. I believe they used to shut down so this must be a fairly new policy.

Note # 2 - I'm not sure what the deal is with this translator. All four times I saw it, it appeared to be rebroadcasting both its primary KTMA-23 and KSTP-5 simultaneously. It's possible there's a new KSTP translator somewhere but several reasons lead me to believe otherwise: it always show up when Redwood Falls does and is in the exact same direction, the KTMA and KSTP signals are of equal strength and that ratio remains constant during the simultaneous fade in/fade outs and the 20 kHz beat present on channel 15 is what would be expected to occur were KTMA (+ offset) and KSTP (-offset) to be converted to the same channel. I thought it might be some kind of image or mixing problem in my equipment, but disconnecting the VHF downlead had no effect. Tuning the UHF trap through the band also produced the same result.

Note # 3 - Yet another example of translators not shutting down after the loss of their input signal. Both K57BL and K61BJ were on all night transmitting a screen full of rapidly fluctuating white sparkles, aka snow. I guess this must be so insomniacs will have something to count besides imaginary sheep.

Note # 4 - A new E skip distance record - and on channel 5 at that! I never have understood why KSTP-5 is so impossible to null out compared to KTCA-2 and WCCO-4. There are a couple of directions in which KSTP's audio is sufficiently low to allow fairly strong skip to override it, but the video is a near impossibility. After six years I've managed to get a grand total of one channel 5 DX photo

Note # 5 - With primary KTCA-2 off, K44AE was doing a terrific job at DX'ing WBAY-2 and KGAN-2. It was picking them both up with very little snow. I'm closer to both stations, yet could get neither. Apparently K44AE's greater receiving height was what did the trick. It was frustrating to

Michael Parks (continued)

think of the great DX that was probably flying overhead just out of my antennas' reach.

Note # 6 - Good luck to DX'ers on this one. I find it hard to believe this station has anywhere near the listed 3.29 kW. It was just barely strong enough to discern KITSN-29's programming while Rochester's K60DS at 4.5 kW was putting it to shame with a near snow free signal. Even Winona's K38CL at 0.87 kW was vastly superior, falling just a bit short of K60DS.

Note # 7 - Note the new primaries. For no apparent reason, these two translators have swapped primaries.

Note # 8 - At long last! Barely managed to snap a picture during the minute they remained on after KTCI-17 sign-off. They went off just a few seconds after the shutter clicked. A couple times before I've seen color bars buried in the snow in the direction of Sioux Falls, but never strong enough to even tell if they were ID'ed.

I had an opportunity to compare a Zenith Z1310 to my Z1920 and after comparing the two, I found the Z1920 to be the better of the two. The only places the 1310 showed an advantage over the 1920 was an extra decibel or two of sensitivity above channel 50 and a slight improvement in lower adjacent channel rejection below channel 20. The biggest disappointment was the 1310's poor selectivity on the VHF band. KMSP-9 produced an image on channel 8 that I found impossible to eliminate whereas the 1920 showed hardly a trace; likewise with WCCO-4 on channel 3. Twisting the 1310's tuning knob from one end of the UHF band to the other was also a pain. I much prefer the 1920's random access tuning. Zenith has evidently taken some shortcuts in producing the Z1310 compared to the Z1920.

K58BS, Minneapolis, began using their new facilities (8.5 kW from the IDS Center) on July 2nd, but went back to the old one six days later when the new transmitter caused transmission problems. As of July 19th, they were back on the new transmitter and they are now quite a pest whereas before I could manage to ignore their presence most of the time. Just as pesty W62BD, Minneapolis, has been off the air since approximately June 1st. Presumably K07UI went with them, but unfortunately I expect them to be back. Their planned program supplier, ValueVision International, has taken longer to set up shop than expected but has recently begun buying and lining up other low power stations to carry their sales pitches.

It's been so long since I last saw W16AC, Land O'Lakes, Wisconsin, that I've come to believe they've gone dark. I knew they wouldn't sell many Starion subscriptions with their cheap scrambling system which made it all too easy to watch for free. It didn't touch the audio or sync signals; just inverted the picture. I never did have any luck receiving KTTC-10's La Crosse translator and now it's too late as W83AH has gone dark. KTTC is now seen there on W67CH. The latest word on KXLI-41/KXLT-47 is that they have been sold to KX Acquisition Limited Partnership in New York City pending FCC approval. No indication of what the new owners intend to do with the stations.

That's all for now... Nanajusan (73), Mike
(Mike, I would keep an eye on K30AC when you are noting the interference problem with K15CE. I note that K30AC is on the same antenna heading as K15CE, has considerably more power and is not that much more distant. The picture image for channel 30 falls on channel 15. K30AC carries KSTP and just might be the cause of what you are experiencing. However, you should not be hearing KSTP audio. fm)

Fred McCormack, 135 Prairiewood Drive, Fargo ND 58103

* CDT

July 1990	14 Es 1931 KREM 2 WA 960	16 Es 0156 =KCCZ 4 UT 1050
12 Es 1558 KENW 3 NM 985	2000 KING 5 WA 1195	(MUF 90.5 @ 0204- NV)
(MUF 95.3@1619)	(MUF 99.3 @ 2003- WA)	22 Es 2142 unid ch 2 Mexico
13 Es 2126 KBTX 3 TX 1130	(MUF 89.5 @ 2104- WA)	(MUF 93.1 @ 2159- TX)
2130 KPRC 2 TX 1195	15 Es 1257 unid ch 2 ABC	23 tr 0852 K28DF 28 MN 130
(MUF 89.5@2239)	(Away 1500-0130)	(Brainerd KMSP- 9)

Now for some rabbit ear DX from Minnetonka, Minnesota:

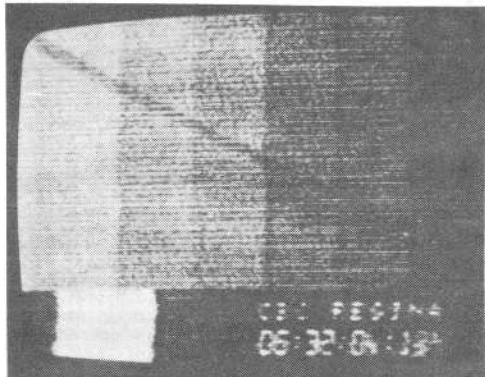
July 1990	August 1990	10 tr 0758 WHLA 31(MN) 125
20 tr 0729 KTIN 21 IA 155	3 tr 2058 KCCO 7 MN 100	0824 WKBT 8 WI 115
0759 KSMQ 15 MN 90	7 tr 0658 WXOW 19(MN) 125	0859 KTTC 10 MN 105
0829 KSAX 42 MN 100	0809 WEAU 13 WI 120	1029 KIMT 3 IA 110
0859 WHWC 28 WI 75	8 tr 0717 KEYC 12 MN 85	
24 tr 0659 W39AF 39 WI 80	0758 WLAX 25(MN) 125	Sharp 19" w/ bowtie & dipole
(Grantsburg WHWC-28)	10 tr 0657 WQOW 18 WI 85	

PHOTO NEWS

SEPTEMBER 1990

Mailing Address:
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 Photos submitted to PHOTO-NEWS become
 the property of this column and will not
 be returned.
 EDITED BY
 David J. Nieman

Jeff Kadet - Macomb, Illinois starts this month column with north & south of the US border skip reception seen this spring. Equipment see August 1990 VHF-UHF DIGEST page 54.



CBKFT2-3
 Prince Albert,
 Saskatchewan
 1133 mile E-skip
 seen May 28, 1990
 at 0732 CDTime



XHBQ-3
 Zacatecas,
 Zacatecas
 1370 mile E-skip
 seen May 28, 1990
 at 1723 CDTime

Good Morning Acadiana
 Time 5:43:57 Temp 72°
 6:25am Morning Reflection
 6:30am Louisiana Ag.
 7:00am Little Rascals
 7:30am Peppermint Place
 8:00am Quantum Marketing
 8:30am Zydeco
 8:00am Kenneth Copeland
 10:00am Soliflex
 TV3 KATC-Lafayette, LA

Next is Mike Hollis - Masy Esther, Florida
 with more Gulf of Mexico tropo.

KATC-3
 Lafayette,
 Louisiana
 330 mile tropo
 seen April 29, 1990
 at 0545 CDTime

PHOTO NEWS

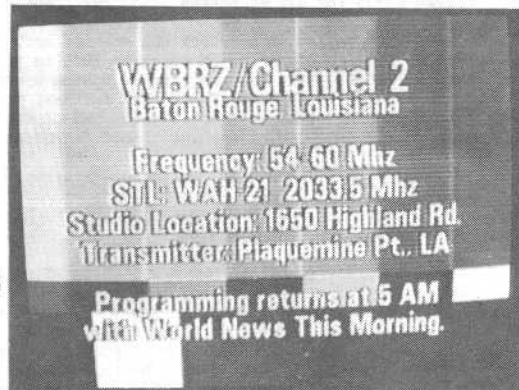
SEPTEMBER 1990 page 2

Mike Hollis DX fotos continue....

WMFE-24
 Orlando, Florida
 350 mile tropo
 seen April 29, 1990
 at 0642 CDTime



WBRZ-2
 Baton Rouge Louisiana
 270 mile tropo
 seen April 30, 1990
 at 0407 CDTime



Our last reporter is: Ed Frye - Santa Clarita, California. Equip. Winegard CS-4052 ant.; CM 9510 rotor; CM 7477A MATV preamp; CM 7203 sub-band & 7205 mid-band traps; CM 7270 step attenuator; CM 7035 distribution amp. CM 9549 RG6 coax.

KACB-3
 (sat. KRBC-9)
 San Angelo
 Texas
 1090 mile
 E-skip
 seen May
 28, 1990

Thank to Jeff, Mike &
 Ed for sending their
 DX fotos.

DAVE



SOUTHERN FM DX

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

SEPTEMBER 1990

NEW DEADLINE: the 14th

SOUTHERN FM DX IS FOR REPORTERS FROM: AL, AR, AZ, CA, CO, DC, DE, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT, VA & WV.

TROPS DOWN WHILE ES CONTINUES DURING JULY

Doug Allen W2CHS, P. O. Box 5646, Woodland Park, CO 80866

Equip.: Kenwood KR-S010 receiver with modified IF, crossed yagis at 20'. All DX from Divide, 3 miles west of home QTH. All local time.

6/27 Es

0900 WLAJ 94.5 KY Lexington, "Power 94.5"
0943 KRJY 96.3 MO St. Louis, ads, promo
0947 WLBH 96.9 IL Maton, ID, "stereo 97"
0949 WENS 97.1 IN Shelbyville, "Lite Rock 97"
ads
0952 WOXY 97.7 OH Oxford, wx
0953 ? 97.7 o/u WOXY "the country giant"
0958 WLVQ 96.3 OH Columbus

0959 WQLK 96.1 IN Richmond, "K96 FM" ads
1000 WLOI 97.7 IN Rensselaer, ID
1000 WHMS 97.5 IL Champaign, ID
1002 WFKQ 98.3 OH Bellefontaine, ID
1003 WJCT 99.3 IN Van Buren, "in Jonesboro we're K99.3"
1005 WAJK 99.3 IL La Salle, ID
1008 WBNQ 100.9 OH Bryan, local nx, wx
1012 WTTT 103.7 OH Tiffin, ad
1018 WBLI 104.9 MI Marshall, ID
1020 WIOB 102.9 MI Ann Arbor, ads
1022 WLLC 102.3 IL Waukegan, ads
1024 WCUX 101.3 MI Grand Rapids, "CUZ"
1044 WILV 94.9 WI Baraboo, ads
1059 WBRN 88.1 ON Sault Ste. Marie, FF
1100 WGNV 88.5 WI Milladore, "Wisconsin's Good News Voice"
7/4 Es
1108 WCFM 94.1 IL Watseka, ID
7/6 Es
0943 KFAC 92.3 CA Los Angeles, ID

The lightning strike probably totaled my Denon tuner on July 6. My only DXing until recently has been at my store in Divide. Around July 10 I bought a TX-9800 at a Colorado Springs pawn shop for \$100. I replaced 4 of the ceramic filters with 150 kHz filters but found the sensitivity to be dismal. August 6, I re-replaced two of the 150 kHz filters with the original ones. The tuner is working very well now. I think the problem was probably a solder bridge rather than a defective ceramic filter. (I think so, too.) Anyway, I'm back to tropo DXing from the home QTH again. In the meantime, I was given a Heathkit AR-1650, which lost its amplifier section. It appears to be a pretty good tuner unmodified. If anyone has used the AR-1650, I'd appreciate your comments. It has wide/narrow IF selection, but the ceramic filters used in the narrow mode are unlike the filters used in most tuners. Does anyone know if there is a better replacement for the original filters?

Other than the Es in late May-early June, the season was disappointing, much worse than last year. My FM station goal for the year was 700, but I'm only at 630 with the Es season virtually over. Hope others had better luck.

Thanks to Matt Sittel & Greg C. for help with some PA & NC unIDs and to Todd Brandenburg (send your reports in to Danny, Todd) for the help with my 106.1 unID which is new station, KMA-FM, in Shenandoah, IA. 73.

Fred Laun, K3ZO, 5801 Huntland Road, Temple Hills, MD 20748

Equip.: Denon TU-800 tuner, Winegard Antenna @35'

7/19

0830 WRCH 100.5 CT New Britain
0835 WJB 99.5 DE Wilmington
(Overriding local WGAY)

7/6 Es

0947 KODJ 93.1 CA Los Angeles, wx, traffic
0952 KRWB 94.3 CA Anderson, "B94"
0952 KMGX 94.3 CA ID, mixing with above, ?
1000 KLOM 88.1 CA Long Beach, ID
1005 KPYE 93.7 CA Fresno, "Y94"

7/7 Es

1311 KLAN 106.1 LA Monroe "Magic 106"
1313 KLIJO 104.1 LA Monroe, ads
1819 KZMZ 96.9 LA Alexandria, "Power 96.9"
1320 WZBZ 97.1 LA New Orleans, "B97 FM"
1326 WBYR 101.1 KY Russellville, k "the beaver"
1335 WAMZ 97.5 KY Louisville
1337 WRBT 94.9 IN ? new station??
1338 WLAJ 94.5 KY Lexington, ads "Power 94.5"
1342 WRAY 98.1 IN Princeton, ID
1350 WIL-FM 92.3 MO St. Louis, ID
1400 WJLN 97.9 IN Anderson, ID
1402 WBYZ 94.5 GA Baxley, ID, "294"
1405 WBYM 94.3 IL Chillicothe, ID
1449 WPGH 94.9 GA Atlanta, ID

7/11 Es

1220 ? 93.7 TN? "all oldies B93.7"
1230 WKLR? 94.5 TN? "KLR Clear 94"
1248 WDEF 92.3 TN Chattanooga, ID
1249 WYNO 92.3 TN Milan, ads
1300 WMEW 88.9 TN Chattanooga, wx

7/12 Es

1520 KWGC 94.5 MO Poplar Bluff, ads
1522 WYMS 97.5 MS Oxford, "Miss 98"
1525 WSM 95.5 TN "Nashville 95 FM"
1530 KCTT 97.7 AR Yellville, ID

SOUTHERN FM DX

SEPTEMBER 1990

Chris Johnson, 6235 Rosewind Cv., Memphis, TN 38141

Equip.: GE Superadio II, whip antenna. Times are Eastern (Should I be reporting in my own zone-central?) (Why report in Eastern? DB)

6/28 Es

1802 KMGN 93.9 AZ Flagstaff, "Northern Arizona's KMGN"
1803 KILQ 93.9 CO Colorado Springs, IDs, wx hard rock
1842 KSPZ 92.9 CO Colorado Springs, ad, IDs
1920 KTCL 93.3 CO Ft. Collins, ads
2009 KRAI 93.7 CO Craig, uc mx, CART ID

I wish I'd have gotten home from work (or been off) sooner on 6/28! This stuff just whet my appetite! I've got a Radio Shack 6-element waiting to be attached to my Kenwood KR-80 but have not been brave enough to bear that hot roof yet! I've been reading quite a bit in the VUD about filter mods for selectivity. Can anything be done for sensitivity? 73's

William P. Townshend, 4500 Connecticut Ave, NW, #901, Washington, DC 20008

Equip.: Portavision-40 receiver

7/18 tr

0809 WMMR 93.3 PA Philadelphia, r

7/19 tr

0835 WKSZ 100.3 PA Media, Kiss-100

6/29 tr

1910 WKYQ 93.3 KY Paducah, ID, ads

6/30 tr

0155 KISR 93.7 AR Ft. Smith, "Kisser 93.7"
0156 WKOQ 105.5 TN Selmer, "105.5...XOQ"

7/1 tr

0145 WRMX 96.3 TN Murfreesboro, "Mix 96"

7/19 tr

0845 WYSP 94.1 PA Philadelphia

0908 WKXW 101.5 NJ Trenton

Gus Mancuso 5615 Inwood St., Hyattsville, MD 20785

Equip.: Pioneer SX-40 except Radio Shack DX-440 from Gaithersburg (ph. 301/773-3072)

7/4 tr

0630 92.1 WXYZ VA Ruckersville, another unusual "overland" opening, (see earlier report) this time west. Noticed on 103.1 WCUL 65 miles west overriding WBEY 35 miles east (15 of which are over water).
0714 105.3 WDAS PA Phila.

of adj. ch. int. on car radio coming home from work, so I knew enhancement was up all Philly's and Del. strong.

7/22 tr (From Gaithersburg (see 9/89 VUD)

2123 100.7 WQPO VA Garrisonburg, tough null on semi-lcl WGRX
2129 100.5 WOMP OH Bellaire, better humidity than trip here last mo., but enhancement no better.

7/10 tr

2315 90.3 WDIH MD Salisbury, noticed lots

Keith D. Pugh, 227 Martin St., New Hope, AL 35760

Equip.: McIntosh MR-78, Probe 9 (Onkyo T-9090 on 7/18 & 7/19)

7/3 tr

1936 WBNS 97.1 OH Columbus, ID

7/6 Es

0907 Monterrey strong, MUF 104.5

0930 XHRYST 90.1 TA Reynosa
0936 XHAAA 93.1 TA Reynosa Estereo Requerdo
0942 KBNL 89.9 TX Laredo, SS
0954 unID 99.5 "Estereo T'empo, SS
1004 KKED 90.3 TX Corpus Christi, "90-FM"
1009 KXFM 104.9 TX Prentiss, SS, \$, ID
1020 XHNN 107.7 NL Monterrey, r, lcl ads
1021 KFLZ 107.1 TX Bishop, SS, ID, mono
1024 KBTC 102.3 TX Alice, k, ID
1033 KOPY 92.1 TX Alice, k, ID
1039 KYTX 97.9 TX Beeville, \$, r, ID
1040 KRFQ 100.9 TX Victoria, \$, ID
1045 XHMG 102.9 NL Monterrey, "Romantica Mg"

1057 XHNA 99.3 TA Nuevo Laredo, "\$ Ridmo"

1101 XHSAB 89.5 NL Sabinas Hidalgo, ID, "R. Napoleon"

1136 XHJK 98.9 NL Monterrey, "Energy 99"

1257 KCRB 88.5 MN Bemidji, "MN Pub. Radio"

1300 WHSA 89.9 WI Brule, ID

7/7 Es

1002 XHAAA 93.1 TA Reynosa

1018 KYTX? 92.1 TX Devine, "Big Tex Radio"

1020 KOYE 94.9 TX Laredo, ads

1023 XBT 94.1 NL Monterrey, "Super E'ta"

1043 KLLK 94.3 TX Del Rio, ads

1145 KRFM 92.3 TX Midland, ads

1205 XHH 100.7 CH Ciudad Juarez, "Mariachi \$"

7/7 Es

1214 KBUY 93.5 NM Ruidoso, "k-by"

1215 KSEL 95.3 NM Portales, ads

7/8 Es

1345 unID 90.3 ment. "Mars Hill, g"

1346 WKST 92.1 ON Timmins, ads

1528 WBBE 92.5 NY Rochester, k, ID

1536 WIM 103.9 PA Kane, ID

1544 CHEZ 106.1 ON Ottawa, "Shay 106"

1546 WPIQ 95.7 NY Olean, "The Pig 95.7"

1552 WCIB 101.9 MA Falmouth, ID, Lite 102

1554 WFXR 93.5 MA Harwich Port, "Fox Radio"

1555 WBLG 99.3 RI Block Island, r, ID

1557 WHPM 95.3 NY Southampton, "95-3 HFM"

1559 WJFD 97.3 MA New Bedford, SS-EE, ID

1600 WJNG 92.1 NY Sag Harbor, ID

1610 WHJY 94.1 RI Providence, "94-HJY"

2030 WRJO 94.3 WI Eagle River, ads

2034 CBLJt 88.3 ON Wawa

2035 UBCYt 98.9 ON Nipigon

2040 CFNO 93.1 ON Marathon, r, ID

2100 CBLJ 89.1 ON Geraldton, "CBC Radio"

2123 KMGW 92.5 MT Miles City, ID

2133 WJPD 92.3 MI Ishpeming, ads

2143 CJSD 94.3 ON Thunder Bay, "94-FM"

7/11 Es

1348 KWBI 91.1 CO Morrison

1631 KPSD 97.1 SD Faith

1638 KRCS 93.1 SD Sturgis, ads

1641 KSDZ 95.5 NE Gordon

1705 KLAS? 95.3 SD Pierre?, "Classic 95"

1727 KVSF 97.9 SD Rapid City, lcl. ad, g

1732 KMGW 92.5 MT Miles City, "AM-92" CONT...

SOUTHERN FM DX

7/11 Es
2036 RQDY 94.5 ND Bismarck, "KQ-95"
2040 KZPB 105.3 ND Minot, "Magic 105"
2045 KCND 90.5 ND Bismarck
2047 RQAA 94.9 SD Aberdeen, ID
2109 RYYZ 96.1 ND Williston, "Laser 96"
2110 KGCH 93.1 MT Sidney
2159 KZNA 90.5 KS Hill City, ID
2206 KYGO 98.5 CO Denver, k, ID
7/13 Es(brier)
2147 KUNN 89.9 NM Albuquerque
7/18 Es
1930 KDCR 88.5 IA Sioux Center, area wx
1932 CITI 92.1 MN Winnipeg, "92-CITY-FM"
1936 KQRS 92.5 MN Golden Valley, "KW-92"
1940 unID 97.5 "Star Station 97 1/2", r
1941 LXXR 93.7 MN Minneapolis, r, ID
1945 WYRQ 92.1 MN Little Falls, ID
7/19 Es
1047 KZOR 94.1 NM Hobbs, r, ID
1051 KTZA 92.9 NM Artesia, r, ID
1052 KPER 95.7 NM Hobbs, ads

Just as the Es was getting started on 7/18 the dial cord broke on the MR-78. Repaired it on 7/26 after borrowing a roll of dial cord from a friend. I didn't think I could fix it myself at first, but after looking at the service manual it turned out not to be too hard of a job.

There've been 20 days with FM Es for 1990 so far, still behind the previous 4 yrs. 28 days in '89, 24 each for '87 & '88 and 37 days in '86 with FM MUF. Can't complain about quality, which has been good this year. Maybe more to follow.

Matt Sittel, P. O. Box 21421, 501C South Hall, Raleigh, NC 27607

Eqpt.: Yamaha TX-900U Modified, Radio Shack 6-element FM antenna, FM amplifier, rabbit ears
7/2 MS

1959 RHNE 89.1 NE Hastings, network ID 901
7/3 tr
2137 WKDP 99.5 KY Corbin, calls 94
7/4 tr
0559 WVPB 91.7 WV Beckley, WV Pub. Radio 119
0602 WFPB 105.9 OH Middletown, ID 238
0619 WPAV 104.1 OH Portsmouth, local ad 166
0631 WQHY 95.5 KY Prestonsburg, "Q 95" 93
0634 WTJN 105.9 WV Mount Hope, calls 131
0639 WKCB 107.1 KY Hindman, calls 71
0648 WOLA 104.9 TN La Follette 90
0659 WVTF 89.1 VA Roanoke, area wx 158
0701 WFDD 88.5 NC Winston-Salem, calls 130
0720 WLLK 102.3 KY Somers, calls 124
1303 WJLS 99.5 WV Beckley, ID 119
2019 WKYQ 93.3 KY Paducah, calls 343
2109 WMXF 96.5 NC Laurinburg, "Mix 96" 204
2133 WBVR 101.1 KY Russellville, calls 243
7/5 tr
0542 WYNN 106.3 SC Florence, wx 219
0545 WNDM 101.3 SC Sumter, "Big DM 101FM" 212
0554 WRHM 107.1 SC Lancaster, calls, k 154
0557 WGN1 102.7 NC Wilmington, "103-GNI" 299
0559 WOU 89.1 OH Ironton, network -- 148
0629 WBPR 97.7 SC Georgetown, "Power 98" 279
0635 WR1X 103.1 SC Honea Path, local ad 137
0639 WHLZ 92.5 SC Manning, "Wheels" 246
0648 WKQB 107.5 SC St. George, "Q107" 250
0659 WRJA 88.1 SC Sumter, ID 212
2101 WPEZ 107.9 GA Macon, ID 257
2153 WBVR 101.1 KY Russellville, area ad 243
7/6 Es
2059 CBLG 89.1 ON Geraldton, CBC wx 949
2205 KQIZ 93.1 TX Amarillo, "Z 93" 1116
7/7 tr
0754 WZST 102.7 VA Appomattox, "Star102-7" 214
0805 WBNT 105.5 TN Oneida, local ref. 113
0810 WKDF 99.5 KY Corbin, "KD Country" 94

Fugh, cont.

7/19 Es
1053 KTXT 88.1 TX Lubbock, r, ID
1100 KQLI 94.3 OK Lawton, ID
1109 KQIZ 93.1 TX Amarillo, ads
1201 KBCC 97.3 CO Boulder, ID
1203 KBFI 105.9 CO Denver
1203 KEEN 97.1 NE North Platte, o, ID
1207 KATZ 99.5 KS Hays, ads, ID
1211 KSID 98.7 NE Sidney
1211 KKAZ 100.7 WY Cheyenne, "Z-100"
1212 KDHT 92.5 CO Greeley, ID
1237 KATH 98.3 CO Wray, city ID
1242 KMRG 92.9 NE Scottsbluff, ID
1244 KNEB 94.1 NE Scottsbluff, ID
1249 KKPK 93.9 SD Rapid City, ID
1250 KRG3 93.1 SD Sturgis, k, ID
1252 KJQJ 97.3 KS Garden City (e/out 1254)
1358 KLEO 92.5 SD Sioux Falls, ad
1359 KSDN 94.1 SD Aberdeen, ID
1401 WTBX 93.9 MN Hibbing, r, ID
1431 KDCR 88.5 IA Sioux Falls, nx
1733 KRWC 90.7 NM Las Cruces
1738 KAMZ 93.1 TX El Paso, ads

0813 WMY 94.5 NC Eden, "My 94.5" 152
0859 WACC 90.7 GA Augusta, network ID 205
0900 WGN1 102.7 NC Wilmington, ID 299
0918 WLAP 94.5 KY Lexington, "Power94.5" 162
0923 WQHY 95.5 KY Prestonsburg, area ad 93
0955 WTCB 106.7 SC Orangeburg, ID 224
0957 WLOD 99.1 TN Loudon, calls 113
1003 WMXF 96.5 NC Laurinburg, ID 204
1004 WGAP 95.5 TN Maryville, local ref. 94
1007 WBVR 101.1 KY Russellville 243
1011 WXLK 92.3 VA Roanoke, "K 92" 158
Es
1059 KBNL 89.9 TX Laredo, ID 1182
1228 XHOX 95.3 TA Tampico, local ref. 1369
1243 XHAAA 93.1 TA Reynosa 1184
1309 KBFM 104.1 TX Edinburg, "B 104" 1167
1314 KIWW 96.1 TX Harlingen, calls 1166
1320 KZFM 95.5 TX Corpus Christi 1055

7/7 Es
1321 KLTG 96.5 TX Corpus Christi 1055
1529 KBAT 93.3 TX Midland, "The Bat" 1174
tr
1530 WSRW 106.7 OH Hillsboro, calls 203
Es
1546 KVPR 95.5 TX Haskell, calls 1008
1547 KZOR 94.1 NM Hobbs, local ad 1205
1547 KTZA 92.9 NM Artesia, "SE'n NM" 1271
1549 KNFM 92.3 TX Midland, calls, k 1174
1557 KKIK 93.7 TX Lubbock, k, "Kick FM" 1116
1557 KLLL 96.3 TX Lubbock, "K Triple L" 1116
1558 KPMX 94.5 TX Lubbock, ID 1116
1559 KMGZ 95.3 OK Lawton, "Magic 95", ID 902
1605 KSEL 95.3 NM Portales, calls 1206
1616 KQIZ 93.1 TX Amarillo, "Z 93" 1116
1624 KPLO 94.5 SD Reliance, calls, k 1044
7/8 tr
1059 WREK 91.1 GA Atlanta, ID 216
CONT...

SEPTEMBER 1990

SOUTHERN FM DX

7/8 Es
1512 KBTS 93.3 TX Killeen, "93.3 B93" 948
1518 KTYL 93.1 TX Tyler, calls 786
1542 KBCC 93.1 KS Pratt, calls 897
1547 KJCK 94.5 KS Junction City 808
1553 KYEZ 93.7 KS Salina 857
1602 WIRR 90.9 MN Virginia, wx 925
1604 KZPS 92.5 TX Dallas 864
1605 WJMQ 92.1 WJ Clintonville, calls 653
1621 CHIQ 94.3 MB Winniepe, "Q 94" 1182
1622 KNIN 92.9 TX Wichita Falls, r 936
1630 KFOQ 102.7 TX Merkel, "Fox 102 FM" 1038
1632 KEAN 105.1 TX Abilene, "Kean 105", k1026
1643 KXXX 96.1 OK Oklahoma City, "KXY", k837
1649 KQIZ 93.1 TX Amarillo, "Z 93" 1116
1652 KSCS 96.3 TX Fort Worth, ID, k 887
1653 KBIL 92.9 TX San Angelo, "B 93" 1088
1705 KDGE 94.5 TX Gainesville, rp 853
tr
1707 WBVR 101.1 KY Russellville, wx 243
Es
1708 KRJT 100.7 TX Bowie, calls, oldies 894
1733 KCLI 95.3 OK Clinton, calls, k 927
2051 KOHU 104.1 SD Yankton 912
2059 KOLI 94.3 OK Lawton, ID 902
2059 KMGZ 95.3 OK Lawton, ID 902
tr
2117 WFPB 105.9 OH Middletown, "Rebel" 238
2120 KQIZ-93.1 in again (Es)
Es
2141 KKXL 92.9 ND Grand Forks, "XL 93" 1089
2144 KNXX 94.7 ND Grand Forks, "Cool" 1089
2201 CKS-9 89.1 ON Fort Frances 1003
2202 CBQT 90.5 ON Fort Frances 1003
2202 CPQX 104.1 MB Selkirk, "OX 104" 1195
2206 KKWQ 92.5 MN Warroad, calls, k 1083
7/9 tr
0548 WKQB 107.5 SC St. George, "Q107" 250
0550 WQLA 104.9 TN La Follette, local ref. 90
0553 WBPR 97.7 SC Georgetown, wx 279
0559 WRJA 88.1 SC Sumter, network -- 212
0627 WSKZ 106.5 TN Chattanooga, "KZ 106" 186
0628 WDEW 105.3 GA Macon, nx 257
0629 WAGO 104.7 GA Athens, "Lite Rock1047" 175
0630 WYAV 104.1 SC Conway, "Wave 104" 265
0631 WGN1 102.7 NC Wilmington, "103-GNI" 299
0637 WWSQ 94.7 TN Cookeville, wx 168
0659 WFSS 89.1 NC Fayetteville, ID 224
7/10 tr
0549 WXXL 103.1 KY Manchester, local ref. 88
0552 WLAP 94.5 KY Lexington, "Power94.5" 162
0558 WRJA 88.1 SC Sumter, network -- 212
0558 WLTR 91.3 SC Columbia, network -- 187
0631 WTCB 106.7 SC Orangeburg, "B 106" 224
0633 WZYP 104.3 AL Athens, "ZYP" 274
0634 WBVR 101.1 KY Russellville, "Beaver" 243
0637 WHLZ 92.5 SC Manning, "Wheels" 246
0640 WAGQ 104.7 GA Athens, traffic report 175
0659 WLJK 89.1 SC Aiken, SCERN ID 204
7/11 tr
0551 WTCB 106.7 SC Orangeburg, "B 106" 224
0622 WKDP 99.5 KY Corbin, local ref. 94
Es
1738 KSPZ 92.9 CO Colorado Springs 1230
1815 KMOR 92.9 NE Scottsbluff 1206
tr
2030 WZYP 104.3 AL Athens, "ZYP" 274
2032 WQSM 98.1 NC Fayetteville 224
7/12 tr
0659 WFSS 89.1 NC Fayetteville, ID 224

Sittel, cont.

7/14 tr
0959 WGN1 102.7 NC Wilmington, "GNI" 299
7/15 tr
2201 WWSR 102.7 WV Charleston, "Super 102" 144
7/16 tr
0559 WRJA 88.1 SC Sumter, network -- 212
0559 WVTF 89.1 VA Roanoke, calls 158
7/17 tr
0558 WRJA 88.1 SC Sumter, network -- 212
0559 WLTR 91.3 SC Columbia, network -- 187
0629 WQSM 98.1 NC Fayetteville, calls 224
0632 WGSQ 94.7 TN Cookeville, local ref. 168
0659 WLJK 89.1 SC Aiken, ID 204
7/18 tr
0558 WRJA 88.1 SC Sumter, network -- 212
0559 WLTR 91.3 SC Columbia, network -- 187
0642 WLKO 102.3 GA Buford, calls, oldies 180
0656 WDEW 105.3 GA Macon, local ref. 257
0659 WFSS 89.1 NC Fayetteville, calls 224
Es
2028 unID noted on 93.3.
7/19 tr
0629 WFPB 105.9 OH Middletown 238
7/21 tr
2339 WAJY 102.7 SC New Ellenton, calls 213
7/23 tr
0659 WFSS 89.1 NC Fayetteville, calls 224
7/23 tr
2001 WYCO 102.9 TN Shelbyville 230
2201 WAPW 99.7 GA Atlanta, ID 216
7/24 tr
0558 WRJA 88.1 SC Sumter, network -- 212
0659 WVPB 91.7 WV Beckley 119
0659 WVTF 89.1 VA Roanoke 158
--on 7/25 new filters put in tuner--
7/26 tr
0555 WDEB 103.9 TN Jamestown, local ref. 134
0556 WTRG 100.7 NC Rocky Mount 267
0600 WTHP 98.3 NC Thomasville, ID, oldies 142
0601 WQDR 94.7 NC Raleigh, nx 219
2058 WCLC 105.1 TN Jamestown 134
2059 WTHP 98.3 NC Thomasville, ID 142
2201 WSGE 91.7 NC Dallas, ID 107
7/27 tr
0554 WWSR 102.7 WV Charleston 144
2159 WKDB 91.3 NC Asheville, -- 74
7/29 tr
0852 WJMH 102.1 NC Reidsville, "102 Jams" 159
7/30 tr
0931 WQSM 98.1 NC Fayetteville 224
0935 WSCZ 96.7 SC Greenwood, calls, k 156
1001 WQEN 103.7 AL Gadsden, ID 258
1106 WMMX 106.3 SC Newberry, "Mix 106" 158
1159 WDEH 98.3 TN Sweetwater 124
7/31 tr
0813 WECO 101.3 TN Wartburg, calls 119
0824 WAJY 102.7 TN New Ellenton, local ad 213
0824 WTSH 107.1 GA Rockmart, "South 107" 220
0825 WMMX 106.3 SC Newberry 158
0826 WLLK 102.3 KY Somerset, "Lake 102" 124
0859 WQSM 101.3 SC Sumter, "Big DM" 212
0906 WQMG 97.1 NC Greensboro, "Power 97" 152
0958 WPLN 90.3 TN Nashville, calls 246
1000 WLTR 91.3 SC Columbia, ID, in \$! 187
Es
1739 KTSR 92.1 TX College Station 891
1741 KOFX 96.7 TX Georgetown, "Oldies967" 966
1742 KAPT 94.7 TX Luling, "The k Cat" 998
1744 KAJA 97.3 TX San Antonio, "KJ97" 1053
1745 KHFI 98.1 TX Austin, local ref. 981

CONT....

July lacked in B-skip activity, as there was not much heard. Thanks go out to John Tudenham and Todd Brandenburg for their help in IDing stations that I heard. John says my "Power 105.7" is KMKC, Siloam Springs, AR. Todd helped me out on my "Q-96", IDing it as KQNS 95.9 KS Lindsborg. Thanks to both of you!!!

On July 25th I modified my Yamaha tuner, changing the filter sequence for 210-210-180-180 to 210-210-150-110. As you can see it worked! The day after I did it I heard my first ever stations on 98.3 and 96.7. Much thanks to Bill Burrows for his advice. 73's.

Christopher S. Dunne, 21500 Johnson St., Box 533, Pembroke Pines, FL 33029
Equipment: GE Superadio II mod. w/ 150 filters, R. Shack antenna, Pioneer carradio

7/19 Es

1112 ?? 93.5 (1)
1128 WKBB 106.5 MO Granite City, 970
ment, St. Louis
1141 WKLC 94.5 MI Holland "KLA" 1130
?? ?? 95.1 (2)
?? KARL 93.7 IA Carroll, ID 1305
?? WLEW 102.1 MI Bad Axe, 1170
S. Tyler was DJ
1209 CIMXt 88.7 ON Windsor, 1070
"88.7 The Mix"
?? WJML 98.9 MI Petoskey, 1280
"99 JML"
1226 WRLT (3) MI Kalkaska, 1245
"1-800-968-WKLT"

7/29 Es*

1807 KISX 107.3 TX Whitehouse, 930
ment, Tyler, wrestling ad
1824 KPLA 99.5 TX Ft. Worth, 1070
"K-Flex"
1825 WRR(t) 101.1 TX Dallas, 1030
c mx, ment, DFW area
1828 KSCS 96.3 TX Ft. Worth, ID 1070
1833 KBTSt 93.3 TX Killeen, 1060
"11 Hot Hits, B-93-FM"
1835 KKDat 104.5 TX Dallas, 1030
SLOW jingle "K-104"
1839 KVNE 89.5 TX Tyler, ID 945
" ?? 89.5 (4)
1840 KVTT 91.7 TX Dallas, ID 1030
1845 ?? 92.5 (5)

7/30 Tr?

?? WVLIJ 91.7 FL Pt. Charlotte, 112
Scott Wesley Brown promo 385w
" WQLM 92.7 Punta Gorda, b/ID, 106
haven't heard since 1975! (6)

Pat Dyer, 5315 Silvertip Dr., San Antonio, TX 78228-2744

6/1 Es

0813 WAIR 92.5 MI Atlanta
0823 WZLQ 96.5 MS Tupelo
0826 WKHQ 105.9 MI Charlevoix
0827 WGFM 105.1 MI Cheboygan
0831 WHSB 107.7 MI Alpena
0833 WYSY 107.9 IL Aurora
0835 WAPL 105.7 WI Appleton
0839 IJX 108.6 IL Jacksonville
0844 WVX 103.1 IL Highland Park
WKFR 103.3 MI Battle Creek
0849 IILK 108.7 IL Kankakee
0852 WCUZ 101.3 MI Grand Rapids
0856 WXRT 93.1 IL Chicago
0900 WVGR 104.1 MI Grand Rapids
0901 WQLR 106.5 MI Kalamazoo
0942 WVQM 106.3 WI Middleton
0949 WQLH 98.5 WI Green Bay
0951 WRUP 103.3 MI Marquette
0953 KJJK 96.5 MN Fergus Falls

7/30 tr?

" WPIt 91.7 St. Pete, sounded 170
like ID

FOOTNOTES ...

- (1) I heard "Gold Rush" and calls sounded like KQJL. Any ideas, anyone?
- (2) Ment. of St. Francis College, and "Magic 95.1". Is that WJJI (IN)?
- (3) Is WRLT @ 97.5 or .7? The 800# didn't work in FL!
- (4) Ment. of Shreveport wx w/ record highs & lows in city's history. Is there an 89.5 Shreveport SA?
- (5) Ment. "Classic Rock" & phone caller ment. "U said 20% chance of rain? (It's pouring) in Arlington!" Gotta be K2FS Dallas.
- (6) WQLM has yet to move to 92.9 as yet. WZZR hard to null - 50,000w right? *1st 6 stns on 7/29 caught w/Superadio whip, the other 4 in the car.

Muchas gracias to all who gave me the info on my unIDs in my last report. Hey, that's what the club's all about, right? If any of you have unIDs that seemed to come from south FL, drop me a line. I may be able to help w/ Latin Amer. unIDs or Caribbean unIDs. If possibly Colombian unIDs, I have a list from last year; same w/ Honduras (that will B tuff 'cause they're no more'n 5000 watts).

I still need info on my unID 96.7 from Alpena MI "silver 97". Anybody? As they say in Rome, LXXIII!

Chris

6/1 Es

0959 WJNR 101.5 MI Iron Mountain
1006 WHWL 95.7 MI Marquette
1038 WVKS 92.5 OH Toledo
1041 CJBX 2.7 ON London
1054 WIAA 88.7 MI Interlochen
1058 WBNH 88.5 IL Pedin
1100 WUWM 89.7 WI Milwaukee
1103 CBLL 88.3 ON Sudbury
1106 WAUN 92.7 WI Kewanee
1115 WTFX 94.1 WI Watertown
1116 WOLX 94.9 WI Baraboo
1126 WOZZ 93.5 WI New London
1128 WYCO 107.9 WI Wausau
1133 WDOR 93.9 WI Sturgeon Bay
1138 WIAL 94.1 WI Eau Claire
1139 WWIB 103.7 WI Ladysmith
1204 WTEB 93.9 MN Gibbing
1206 KMFY 96.9 MN Grand Rapids
1225 KYCK 97.1 MN Crookston

cont.....

6/1 Es

1241 KDAL 95.7 MN Duluth
1243 KSTP 94.5 MN St. Paul
1245 WJMO 92.3 OH Cleveland Heights
1252 CHTZ 97.7 ON St. Catherines
1321 WMAX 92.3 MI Detroit
1329 WBXR 98.9 OH Van Wert
1337 WNWN 98.5 MI Coldwater
1338 WJLE 97.9 MI Detroit
1759 WLDY 92.7 WI Ladysmith
1800 KNIQ 93.5 IA Mason City
1824 WAVC 105.1 MN Duluth
1900 WVFN 88.5 WV Charleston
1902 KCRB 88.5 MN Bemidji
1909 KKWQ 92.5 MN Warroad
1932 KDDH 92.3 ND Oakes
1937 KSDN 94.1 SD Aberdeen
1941 KQDJ 95.5 ND Jamestown
2000 WVWK 94.1 ON Cincinnati
2005 KLZY 92.5 WY Powell
KQKQ 92.3 MT Ronan
2010 KTAG 97.9 WY Cody
2013 KUUB 95.1 MT Bozeman
2020 KOPR 94.1 MT Butte
2022 KTAK 93.9 WY Riverton
2030 CKUA 93.7 AT Calgary
2032 KTRS 95.5 WY Casper
2041 KRXK 94.1 MT Billings
2043 KLWD 96.5 WY Sheridan
1046 KQKS 104.3 CO Longmont
2049 KBPI 105.9 CO Denver
2058 KYCO 98.5 CO Denver
2113 KROE 94.9 WY Sheridan
2126 KROK 93.5 CO Leadville
2134 WWGL 94.1 NC Lexington
2137 WKRR 92.3 NC Asheboro
2153 WFDD 88.5 NC Winston-Salem
2159 WRVL 88.3 VA Lynchburg
2213 WWVO 93.5 IN Hartford City
WKHY 93.5 IN Lafayette
2220 WXGT 92.3 OH Columbus
2230 WNDR 103.1 OH Napoleon
2232 WZZP 103.9 IN South Bend
2254 WVNO 106.1 OH Mansfield
2392 WFAV 104.1 OH Portsmouth
2307 WYCA 92.3 IN Hammond
2313 WLRW 94.5 IL Champaign
2321 WJML 98.9 MI Petoskey
2327 WZEE 104.1 WI Madison
2329 WVGV 103.9 WI Oshkosh

6/3 Es

0721 WCRJ 107.3 FL Jacksonville
0727 WYA 104.1 GA La Grange
0730 WTSB 107.1 GA Rockmart
0734 WCOG 97.9 SC Columbia
0737 WMOG 104.9 GA Milan
0743 ITCI 108.9 AL Troy
IABY 108.5 GA Albany
0751 WKSI 98.7 NC Greensboro
0754 WIVK 107.7 TN Knoxville
0801 WGIG 107.1 SC Mullins
0806 WSIP 98.9 KY Paintsville
0808 WJCL 96.5 GA Savannah
0809 WJMX 103.3 SC Cheraw
0821 WRDU 106.1 NC Durham
0824 WTKB 105.7 KY Manchester
0825 WZNY 105.7 GA Augusta
0826 WRDX 106.5 NC Salisbury
0828 WKLN 103.9 KY Louisville
0832 WHLI 96.3 WI Sauk City

6/3 Es

0837 WTQR 104.1 NC Winston-Salem
0839 IJX 108.6 IL Jacksonville
0850 WVBS 99.9 NC Burgaw
0921 KQLX 106.1 ND Lisbon
0950 WOLX 94.9 WI Baraboo
0958 KPNW 97.9 ND Fargo
0954 KBHL 103.9 MN Osakis
1000 KLTA 105.1 MN Breckenridge
1002 WAIR 92.5 MI Atlanta
1007 GBCL 92.5 ON London
1010 WRRN 92.3 PA Warren
1013 KKWS 105.9 MN Wadena
1021 KCRB 88.5 MN Bemidji
1755 WCEZ 93.5 SC Columbia
1849 KKWQ 92.5 MN Warroad
1858 WCHY 94.1 GA Savannah
1921 KSDN 94.1 SD Aberdeen
1925 KKOK 97.7 MN Morris
1930 WWKA 92.3 FL Orlando
1931 KKRC 93.5 SD Sioux Falls
1951 WBOV 92.5 FL Key West
1959 WMNF 88.5 FL Tampa
KESD 88.3 SD Brookings
2002 WOZZ 93.5 WI New London

6/4 Es

1103 KNPR 89.5 NV Las Vegas
1112 KYRK 97.1 NV Las Vegas
1113 KMGN 93.9 AZ Flagstaff
1115 KLUC 98.5 NV Las Vegas
1122 KCEP 88.1 NV Las Vegas
1123 KUNV 91.5 NV Las Vegas
1255 KIQZ 92.7 WY Rawlins

6/5 tr

2113 KYDR 93.3 TX Port Arthur
2140 WCKW 92.3 LA Laplace

6/6 tr

0495 WQST 92.5 MS Forest
0413 KYKS 105.1 TX Lufkin
0424 KABF 88.3 AR Little Rock
0432 KNLA 103.9 AR Ashdown
0436 NLLI 95.9 TX Hooks
0440 KTUX 98.9 TX Carthage
0441 KOYN 93.9 TX Paris
0451 KJCS 103.3 TX Nacogdoches
0454 KQID 93.1 LA Alexandria
KLSA 90.7 LA Alexandria
0508 KIPR 92.3 AR Pine Bluff
0514 KDXE 95.9 TX Sulphur Springs
0516 KHYS 98.5 TX Port Arthur
0519 KIKT 93.5 TX Greenville
0532 KGEE 99.9 TX Odessa
0534 WJMI 99.7 MS Jackson
0713 KKYR 102.5 AR Texarkana
0719 KLAZ 105.9 AR Hot Springs
0726 KPKI 100.7 TX Mount Pleasant
0732 KOOI 106.5 TX Jacksonville
0740 KNUB 101.5 TX Tyler

6/8 Es

0957 KRBT 92.3 CA Los Angeles
1000 KFSB 94.1 CA San Diego
1001 XHRM 92.5 BGN Tijuana
1002 XHJC 91.5 BGN Mexicali
1003 KTTI 95.1 AZ Yuma

tr

1009 KQZT 105.9 OK Hobart

Es

1059 WFCH 88.5 SC Charleston

6/9 tr

0659 KIPR 92.3 AR Pine Bluff
cont.....

SOUTHERN FM DX

6/13 Es
 1213 KLCY 94.1 UT Salt Lake City
 1216 KCPX 98.7 UT Salt Lake City
 1218 KUSU 91.5 UT Logan
 1219 KRPN 107.9 UT Roy
 1220 KZHT 94.9 UT Provo
 1222 KJYE 92.3 CO Grand Junction
 1225 KXZ 93.3 UT Salt Lake City
 1225 KBZN 97.9 UT Ogden
 12/14 Es
 1507 KPPR 89.5 ND Williston
 1523 WSTD 96.9 MI Standish
 6/15 Es
 0923 XHRJ 92.5 MX Toluca
 tr
 1148 XHSRO 92.5 Monterrey
 1336 KNFM 92.3 TX Midland
 Es
 1401 KXTZ 94.1 NV Henderson
 1401 KLUC 98.5 NV Las Vegas
 1409 KWYK 94.9 NM Aztec
 1411 KRST 92.3 NM Albuquerque
 1412 KRAZ 96.9 NM Farmington
 1431 KYJE 92.3 CO Grand Junction
 6/16 Es
 1053 WCNV 88.5 WI Milladore
 tr
 2131 WCKW 92.3 LA Laplace
 2152 KYRH 93.3 TX Port Arthur
 6/17 Es
 0221 KNUE 101.5 TX Tyler
 0228 KDAQ 89.9 LA Shreveport
 0238 KRW 97.7 TX Rusk
 6/18 Es
 1754 WKRR 92.3 NC Asheville
 1757 WKTC 96.9 NC Goldsboro
 6/19 Es
 1305 WCHY 94.1 GA Savannah
 1819 CJXB 92.7 ON London
 1856 WOLX 94.9 WI Baraboo
 1930 WCBR 92.7 IL Arlington Heights
 1932 WXRT 93.1 IL Chicago
 2003 KMCM 92.5 MT Miles City
 2010 KAML 96.9 WY Gillette
 2017 KLZX 93.3 UT Salt Lake City
 2030 KZHT 94.9 UT Provo
 2035 KKWZ 93.7 UT Richfield
 2037 KJYE 93.3 CO Grand Junction
 2050 KLZY 92.5 WY Powell
 6/21 Es
 1404 WBCF 93.5 FL Belle Glade
 1408 WCMQ 92.3 FL Healeah
 1411 WAYJ 88.7 FL Naples
 1413 WBEY 94.1 FL Lakeland
 1415 WCVU 94.5 FL Naples
 1416 WYUU 92.5 FL Safety Harbor
 1420 WNL 95.7 FL Clearwater
 1425 WKGR 98.7 FL Fort Pierce
 1427 WUSF 89.7 FL Tampa
 1431 WADA 107.1 FL Melbourne
 1436 WYNF 94.9 FL Tampa
 1437 WKA 92.3 FL Orlando
 1441 WFLZ 93.3 FL Tampa
 1449 WWLV 94.5 FL Daytona Beach
 1450 WHTQ 96.5 FL Orlando
 1459 WNNF 88.5 FL Tampa
 1502 WTLG 88.3 FL Starke
 1507 WZAZ 92.7 FL Green Cove Springs
 1510 WMTD 93.5 FL Port St. Joe
 1511 WNCM 88.1 FL Jacksonville

Dyer, cont.

6/21 Es
 1512 WMT 94.9 FL Tallahassee
 1521 WMTM 93.9 GA Moultrie
 1523 WVOH 93.5 CA Hazlehurst
 6/22 Es
 1225 WPEC 97.9 NC Concord
 1237 WUAN 88.3 NC Erwin
 1405 WGWG 88.3 NC Boiling Springs
 1541 WJIE 88.5 KY Okolona (ms)
 6/23 tr
 0030 WGRW 92.3 LA Laplace
 0320 KTXB 89.7 TX Beaumont
 Es
 1951 WKRR 92.3 NC Asheville
 1954 WXLK 92.3 VA Roanoke
 2001 WFPV 94.9 VA Roanoke
 2009 WRVL 88.3 VA Lynchburg
 6/25 Es
 1215 WCMQ 92.3 FL Hialeah
 1216 WAYJ 88.7 FL Fort Myers
 1220 WLV 93.9 FL Miami Beach
 1252 WKA 92.3 FL Orlando
 1259 WJLU 89.7 FL New Smyrna Beach
 1641 WJIE 88.5 KY Okolona
 1645 WVPN 88.5 WV Charleston
 1701 WYCA 92.3 IN Hammond
 1715 WGVU 88.5 MI Allendale
 1728 WGNV 88.5 WI Milladore
 1729 WJPD 92.3 MI Ishpeming
 1740 KOBL 92.3 IA Oelwein
 1742 KTUF 93.5 MO Kirksville
 1748 WFTM 98.7 IL Chicago
 1751 WJZQ 95.1 WI Kenosha
 1755 WLUP 97.9 IL Chicago
 1759 WJZQ 95.1 IL Decatur
 1806 WBNQ 101.5 IL Bloomington
 1809 WSP 95.7 WI La Crosse
 1812 WOOD 105.7 MI Grand Rapids
 1814 WYSY 107.9 IL Aurora
 1821 KSPQ 93.9 MO West Plains
 1822 WAAG 94.9 IL Galesburg
 1824 BIB 109.9 IL Bible Grove
 1826 WZTR 95.7 WI Milwaukee
 1828 WML 106.1 WI Waukesha
 1835 WQLR 106.5 MI Kalamazoo
 1838 WTP 107.9 IN Indianapolis
 1840 WMDH 102.5 IN Newcastle
 1841 WSPW 103.3 IN New Carlisle
 1842 WKIC 103.9 IL Urbana
 1842 WHME 103.1 IN South Bend
 1846 WLEB 104.1 IN Muncie
 1850 WBTU 93.3 IN Kendallville
 1853 WKTT 103.1 WI Cleveland
 CKMR 93.9 ON Windsor
 1854 WNNK 94.1 OH Cincinnati
 1855 WPEC 102.3 IN Petersburg
 1912 WRED 95.7 OH Gibsonburg
 1918 WIBM 94.1 MI Jackson
 1919 WCDV 103.1 IN Covington
 1922 WBYR 98.9 OH Van Wert
 1926 WKJQ 92.5 OH Alliance
 1929 WPCJ 93.7 OH Miamisburg
 1955 WTBX 93.9 MN Bemidji
 2007 KJY 92.5 IA Ankeny
 2024 KMPY 96.9 MN Grand Rapids
 2033 KDAL 95.7 MN Duluth
 2047 KQRS 92.5 MN Golden Valley
 2048 WVIC 94.9 MI East Lansing
 6/26 Es
 1929 WYST 92.3 MD Baltimore, CONT.....

SEPTEMBER 1990

SOUTHERN FM DX

6/26 Es
 1939 WCVT 89.7 MD Towson
 1945 WKYS 93.9 DC Washington
 2008 WCNV 88.5 WI Milladore
 6/27 Es
 0652 WJPD 92.3 MI Ishpeming
 tr
 0658 KQXY 94.1 TX Beaumont
 KTYL 93.1 TX Tyler
 0706 KREP 92.3 TX Marshall
 0708 KZMZ 96.9 LA Alexandria
 0714 KUEZ 99.3 TX Lufkin
 0726 KYKR 93.3 TX Port Arthur
 Es
 0728 WKSU 89.7 OH Kent
 0816 WYCA 92.3 IN Hammond
 0835 WRRN 92.3 PA Warren
 0847 WHBC 94.1 OH Canton
 0848 WJMO 92.3 OH Cleveland
 0854 WJBN 98.9 OH Van Wert
 0856 CHTZ 97.7 OH St. Catharines
 WDOR 93.9 WI Sturgeon Bay
 0859 WKSE 98.5 NY Niagara Falls
 0921 KEYA 88.5 ND Belcourt
 0932 KDDR 92.3 ND Oakes
 0943 KQLX 106.1 ND Lisbon
 0945 KGWG 103.1 NB Winnipeg
 0949 CFQX 104.1 NB Winnipeg
 1000 KDSU 91.9 ND Fargo
 6/28 Es
 1530 WERN 88.7 WI Madison
 1545 KIQM 102.3 IA Forest City
 1547 WAKX 98.9 MN Duluth
 1549 WEVE 97.9 MN Eveleth
 1551 KDAL 95.7 MN Duluth
 1552 KJY 92.5 IA Ankeny
 1553 WLDY 92.7 WI Ladysmith
 1554 WIAL 94.1 WI Eau Claire
 1556 KSTP 94.5 MN St. Paul
 1559 KQJL 107.9 MN Anoka
 1600 KQRS 92.5 MN Golden Valley
 1601 KRIT 96.5 WI Algoma
 1606 WGTG 102.3 WI Manitowoc
 1608 WAWC 105.1 MN Duluth
 1609 KBEY 102.1 MN St. Paul
 1610 WLST 95.1 WI Marinette
 1615 WIXR 107.1 WI New Richmond
 1618 WRLL 102.3 IL Rochelle
 1621 WZEE 104.1 WI Madison
 1623 WHHQ 105.9 MI Charlevoix
 1624 WLTO 103.9 MI Harbor Springs
 1626 IRAC 108.7 WI Racine
 1631 WTKM 104.9 WI Hartford
 1632 WJZQ 95.1 WI Kenosha
 1634 WJY 107.3 WI Fort Atkinson
 1635 WYSY 107.9 IL Aurora
 1636 WTCN 103.5 MI Traverse City
 1637 IJVL 109.1 WI Janesville

Equipment: Realistic TM-1001 tuner (with two of its four IF filters replaced early on June 1 with 150 kHz units) fed into Allied 426 audio amp, Archer 6-31, at 20' with rotor. The IF filter change has probably resulted in some of the 95.9 loggings here (next to our 96.1 local) etc. On a "quiet" band with weak signals the filter "ripple" can easily fool one though--mistaking, e.g., a 92.3 for a 92.1, etc. Tuning has to be done a little more carefully to avoid moderate distortion. (For full audio quality I can always go to "wide", which bypasses the two 150-kHz units.)

There were several days here with simultaneous Es signals for the Carolinas and the Dakotas. There also seems to be a distinct "shortage" of things from AZ and CA this season though. 144 MHz Es NUF reached on June 1 (MI, WI, IL), 3 (W4, 8, 9, and ND), and 28 (IL).

Good tropo in early June increased the TX (and AR) totals. The June 1 catch of Alberta was the first time since 1980 that I've gotten a new Canadian province. 73.

Dyer, cont.

6/28 Es
 1638 WSPY 107.1 IL Plano
 1640 WMB 103.7 WI Ladysmith
 1641 WABT 103.9 IL Dundee
 1643 WRWC 103.1 IL Rockton
 1648 WAPL 105.7 WI Appleton
 1651 WKLR 96.5 WI Milwaukee
 WAJK 99.3 IL La Salle
 1656 WYCO 107.9 WI Wausau
 1705 WFMX 105.7 NC Statesville
 1708 WJJO 98.1 MN St. Cloud
 1711 WRAL 101.5 NC Raleigh
 1714 WUPQ 97.9 MI Newberry
 1715 WIMI 99.7 MI Ironwood
 1721 WXLK 102.3 IL Waukegan
 1724 WNZR 104.1 WI Merrill
 1732 KKWS 105.9 MN Wadena
 1743 WUPM 106.9 MI Ironwood
 1745 KNEI 103.9 IA Waukon
 1746 KBZT 104.1 IA Ames
 1749 KFMW 107.9 IA Waterloo
 1751 KLSS 106.1 IA Mason City
 WJFM 98.7 MI Grand Rapids
 1754 WBGZ 105.9 WI Washburn
 1756 KFIL 103.1 MN Preston
 1757 WUOO 103.9 IA Spirit Lake
 1758 WLJY 106.5 WI Marshfield
 1803 WTBX 93.9 MN Hibbing
 1809 KOEL 92.3 IA Oelwein
 1811 WKML 95.7 NC Lumberton
 1815 KISD 98.7 MN Pipestone
 1823 KXRA 92.7 MN Alexandria
 1824 KILQ 92.5 SD Sioux Falls
 KSCR 93.5 MN Benson
 1827 KSDN 94.1 SD Aberdeen
 1829 KFNW 97.9 ND Fargo
 KKB 103.7 MN Bemidji
 1833 KQWB 98.7 MN Moorhead
 1840 WHLZ 92.5 SC Manning
 1859 WAGP 88.7 SC Beaufort
 WACL 91.5 SC Ladson
 1900 WFGH 88.5 SC Charleston
 6/30 Es
 0848 WCMQ 92.3 FL Hialeah
 1952 CKNR 93.9 ON Windsor
 1954 WBYR 98.9 OH Van Wert
 1956 WCLR 95.7 OH Piqua
 1958 WLHN 97.9 OH Anderson
 2000 WMDX 92.3 MI Detroit
 2001 WNNK 94.1 OH Cincinnati
 2007 CKSY 95.1 ON Chatham
 2009 WHMI 93.5 MI Howell
 2022 WNNW 98.5 MI Coldwater
 2023 WEL 104.9 MI Marshall
 2025 WUGN 99.7 MI Midland
 2043 WSAK 106.3 IL Sullivan
 2045 WBF 97.7 IL Effingham

SEPTEMBER 1990

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74075

Equip.: Pioneer TX-9100 modified with 3 180s & 1 150, Probe 9 up 32 ft. with rotor, RG-6

7/18 Es

1834 WOTH 100.3 FL Plantation key, ads, wx,
"Catch FM"
1836 WSHE 103.5 FL Ft. Lauderdale, 1230
"103 She"
1849 WYSP 94.1 PA Philadelphia 1220
1857 WAYJ 88.7 FL Fort Myers, "Way FM" 1130

7/19 Es

1213 WRNS 95.1 NC Kinston
1218 WVRH 94.9 VA Roanoke 970
1219 WOBR 95.3 NC Wanchese, "Beach 95"
1224 WOVH 98.7 WV Wheeling 950
1230 WQMX 94.9 OH Medina, calls
1231 WTOP 98.1 OH Canton 920
1240 WGH 97.3 VA Newport News, EBS test

7/19 Es

1249 WCWI 102.9 VA Norfolk
1253 WKZZ 94.1 VA Yorktown
1256 WQHQ 104.7 MD Ocean City
1259 WCFB 89.7 NC Raleigh
1300 WUNC 91.5 NC Chapel Hill
1311 WQMD 92.7 DE Rehoboth Beach, calls 1200
1354 WAMU 88.5 DC Washington 1105
1359 WPAR 88.1 NC Claremont
1403 WKYS 93.9 DC Washington, calls, r
1416 WDLX 93.3 NC Washington, "93 DCX"

7/30 ex-em

1940 KHAJ? 100.3 Ok Taft? "The Boss", \$, r
2002 KAFH 100.3 KS Kingman, ID, \$

FINALLY, the tornado story concludes after leaving off in the July SFM:

I was trying to tune in the weather spotters on the scanner when all of a sudden the electricity went off. I figured the power outage was a dead giveaway that the tornado was indeed for real and somewhere in town tearing things up. Frightened enough now, I finally hid for safety, doing so in the hall braced behind a mattress. Within a minute, some pounding, roaring wind came up and lasted for a short period. After it was over the home seemed quite intact but a look out to the backyard revealed that the 40+ ft. cottonwood tree had uprooted and laid sprawled across the backyard, fortunately not the house. What laid on the house was my totaled Probe 9 antenna and 20 ft. of mast. And my Antennacraft GF10 attached to a fence and used as a substitute was on the ground. Meantime, a number of dazed neighbors wandered around surveying damage elsewhere in the neighborhood, mostly minor destruction like downed tree limbs, gutters, and some sucked off shingles. I joined them, but soon a heavy shower drove everyone back in. As darkness fell KSF1 radio reported traffic was backed up close to a mile at a major intersection. I guess sight-seers were in a panic to see the damage before it got dark. Dead traffic lights did not help matters. I did not wish to join them. The next morning light revealed the tornado carved out a narrow but destructive path only a half mile from my house. High winds that radiated out from the path covered the whole town. If anyone like me had an antenna up on a rotor, it likely got blown down. Antenna destruction in Stillwater was not all that common since Stillwater isn't much of an antenna town. Reception from the OKC antenna farm doesn't demand an elaborate antenna set-up. Also the popularity of the nearly 40 channel cable system over the years has just about managed to make outdoor TV antennas obsolete. TV antennas sticking up are a rare sight these days, especially in the newer neighborhoods. I wouldn't be surprised if the rise of cable in small towns has kept many people from being introduced to the hobby of TV-FM DXing. Anyway, in the aftermath of the Stillwater tornado, my Probe 9 got replaced. Many homes and businesses damaged or destroyed are being built back looking as good as new, if not better than before. In reconstructing, one homeowner is adding a second story. The May 15th tornado was the first tornado to hit Stillwater in 15 years. Hopefully, more time than that can pass before the next one.

In a different matter, Matt Sittel asked what DXing would be like in Norman, OK. He may choose to attend the University of Oklahoma at Norman for graduate study in meteorology. I haven't done any monitoring to speak of in Norman, but it looks to be a better town for DXing than Stillwater. In Norman, the Tulsa stations would be much less of a problem. TV 2,3,6 look good for Es. Dallas-Ft. Worth is probably still far enough away to not present much trouble. Also Norman has only one FM station and one translator.

And surely the Oklahoma City antenna farm is far enough away to not cause overloading up and down the dial. And of course, Norman is a good place to study the severe thunderstorms that start firing up in western Oklahoma in the middle of a spring time afternoon while hoping they settle down enough to decent levels before arriving in central Oklahoma by night, which isn't always the case as in the Stillwater tornado.

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NORTHERN FM-DX

GREG CONIGLIO
5100 GLENWOOD DRIVE
WILLIAMSVILLE, NEW YORK 14221

FOR DXers in Canada, NY, PA, CT, RI, MA, ME, VT, NH, NJ, OH, MI, IN, IL, WI, MN, KS, NE, IA, SD, ND, MT, WY, OR, WA, ID, and AK. Log cutoff for October 1990 column is July 1, 1990.

SEPTEMBER 1990

DEADLINE: The 1st

Another big column this month, thanks to some good trop openings during the beginning of July. The NJ DXers did especially well on this opening: see their reports. However, skip has been disappointing during the latter half of the season, although there were good openings in the last week of June, and July 8 and 19....

JEFF FALCONER - BOX 63 - CLINTON, ONTARIO NOM 110

Equipment: Magnum Dynalab FT-101A Etude, Stereo Probe 9 at 27 feet with rotor and RG-11U coax. Magnum Signal Sleuth preamp.

JUNE 1990

23 M.S.

0936 CBAF26 88.5 NB Moncton, French talk 831
1153 WUD1 91.77 French talk (Perhaps they could have been CBF9 Mont Laurier, PQ-gc)

26 Es

2052 KLSU 91.1 LA Baton Rouge, \$, LSU promo 1056
2058 WMMK 92.1 FL Destin, k\$, "K-92" 949
2100 KPAA 91.5 LA Erwinville, g\$, Grace & Truth 1064
2106 WMEE 90.7 FL Orlando, c\$, ID 1031
2108 WOZZ 94.3 AL Greenville, election results stereo, "Q-94" 851
2112 WMXO 94.3 FL Riviera Beach, ID, "Palm Beach County's best music" 1143
2121 KIEZ 96.3 LA Brusly, b\$, ads 1061
2122 WZLM 97.3 AL Dadeville, ro\$, ID with WDLK AM 1450 786
2133 KQKI 95.3 LA Bayou Vista, k\$, Quickie 1110
2135 KBAU 94.3 LA Galliano, r\$, Bayou 94 1105
2139 WBLX 92.9 AL Mobile, ID\$, ads 966
2241 WCTO 92.1 FL Venice, k\$, contest promo 1135

27 Es

1702 WECE 88.9 FL Turpin Springs, mono, nx, wx sports, ID, STATION #1000 HEARD! 1067
1703 WHIS 88.1 FL Bradenton, g\$ 1108
1713 WCTO 92.1 FL Venice, k\$ 1135
1726 WYUU 92.5 FL Safety Harbor, ro\$, U-92 1075
1742 KTSR 92.1 TX College Station, r\$, Star 92 1230

28 GW

1602 WIDL 92.1 MI Caro, ro\$, moved from 104.9 filling vacancy on 92.1 left when WLEW moved to 102.1 88

28 Tr

1845 WJCH 91.9 IL Joliet, g\$, Family Radio 371
1846 WFPK 91.9 KY Louisville, c\$, ID 431

30 Es

1345 WHIS 88.1 FL Bradenton, g\$, mixing w/CBEE 1108

JULY 1990

1400 [WXXR] 94.5 OH Port Clinton, ro\$, Toledo's Classic Rock, ex WOSE, this is correct call 156
1601 KNGM 91.9 KS Emporia, ID\$ 862
0242 WFPK 91.9 KY Louisville, c\$, very strong 431
0244 WAMZ 92.5 KY Louisville, k\$ 431
0329 WBBW 107.7 OH Loudonville, m, The Broeze 216
0334 WYBQ 96.9 TN Bristol, k\$, great sig 480
0359 WDLX 89.7 KY Somerset, c\$, ID also for WKYU 88.9 and WKPB 89.5 475

0400 WEKU 88.9 KY Richmond, c\$, ID for WEKH 426
0438 WYNS 96.1 WV Charleston, ro\$, ID 357
0440 WCOZ 96.7 KY Paris, very weak, WCOZ Cozy 96.7, CKGL in on top 396
0445 WKOO 98.1 KY Lexington, r\$, Double Q 415
0559 WGUC 90.9 OH Cincinnati, c\$, ID 344
1745 WDPH 89.5 OH Dayton, weather rpt\$ 300
1820 WBTU 93.3 IN Kendallville, k\$ 251

8 Es MUF at least 107.9

1541 WZEW 92.1 AL Fairhope, r\$, 92 Zoo 970
1543 WBLX 92.9 AL Mobile, ro\$ 966
1549 WBSA 96.9 AL Decatur, b\$, Beautiful 97 687
1552 WQEZ 96.7 MS Gulfport, r\$, Foxy 96 1009
1605 WHER 103.7 MS Hattiesburg, weather 949
1606 KKAY 104.9 LA Donaldville, k\$, ID 1061
1608 WKBB 100.9 MS West Point, ads\$ 786
1611 KAIN 102.9 LA Crowley, g\$ 1116
1620 WUD 105.777 r\$, All hot K106 either KMCK or WA KH

1622 WGKX 105.9 TN Memphis, k\$, Kicks 106 748
1624 WKIN 103.3 LA Hammond, wx, Cajun 103 1034
1633 WKEU 97.7 GA Griffin, k\$, K-97.7 697
1637 KZMZ 96.9 LA Alexandria, r\$, Power 96.9 1050
1639 WKLS 96.1 GA Atlanta, r\$, 96 Rock 690
1649 WSB 98.5 GA Atlanta, r\$, B 98.5 690
1650 WUD 95.3 Atlanta Braves baseball
1652 WOLZ 95.3 FL Ft. Myers, Oldies 95 1162
1653 WNL T 95.7 FL Clearwater, ads\$ 1075
1656 WHVE 102.5 FL Sarasota, r\$, ID 1330
1701 WKSJ 94.9 AL Mobile, k\$, 95-KSJ 966
1705 WLUJ 95.3 MS Lumberton, r\$, U-95-FM 977
1711 WMMZ 93.7 FL Ocala, r\$, Z-93.7 993
1744 KSBJ 89.3 TX Humble, g\$, that cloud was sure moving around!

1749 WYUU 92.5 FL Safety Harbor, k\$, U-92 1075
1752 WMMK 92.1 FL Destin, k\$, 952
1800 WYNO 89.9 LA New Orleans, wx rpt 1056
2146 WUD 89.1 g\$, MUF up to 107.9 again!
2159 KOEZ 92.3 KS Newton, ads\$ 930

2200 KZOC 92.9 KS Osage City, r\$, Z-93, recent change from 92.7 (left, are you sure it said Z-93. Their slogan is KZ-93, k\$-g\$) 862
2204 KXXY 96.1 OK Oklahoma City, k\$, KXY 1039
2210 KWXX 101.1 OK Woodward, k\$, K-101, way over WRIF 1089

2214 WCTH 100.3 FL Plantation Key, m\$ Catch 100, another strange hop 1277
2219 KRZZ 96.3 KS Derby, ro\$, from 95.9 949
2229 KKWK 97.1 OK Muskogee, r\$, Quick 97 884
2236 KEDI 101.3 KS Wichita, k\$, ID 941
2300 KNGM 91.9 KS Emporia

Conditions have been pretty good. Nice to reach 1000 heard plateau. Hope everyone is having a nice summer with lots of DX. 73

STATION NEWS: WIDL 104.9 Caro, Michigan has switched frequency to 92.1 [see Jeff Falconer's report]. Also in his report note that 94.5 in Port Clinton, Ohio (Toledo) is now WXXR; format is "Toledo's Classic Rock." WLYF 101.5 in Miami reportedly dropping easy listening format for soft vocals. CJLX 91.9 in Toronto is on, seems very weak. It was broadcast as local carriage.

Kicks
106 FM

JOSEPH FELA - 150 ROBERT PLACE - SO. PLAINFIELD, N.J. - 07080

Equipment - Two McIntosh MR-78 tuners feeding separate amps/tape decks, a pair of CM Stereo Probe 9s, stacked, with rotor at 40 ft.

Time: ELT

JUNE 1990

Table listing radio stations for June 1990, including call letters, frequency, location, and power. Stations include KTTC, KITT, WXRZ, WYNF, WYFO, WTRS, WDJQ, WOMP, WLTV, WZVU, WDIH, WMBB, WMJX, WBOQ, WEEJ, WTLN, WSEB, WNFJ, WTNT, WZLS, WAAC, WFTI, WAFG, WKKR, WBLX, WALX, WZGC, WURC, and WKFX.

26 Es (continued)

Table listing radio stations for June 1990 (continued), including call letters, frequency, location, and power. Stations include KPLX, KLTY, KLRE, KOSU, WXRI, KEKS, KNMO, WYMG, KJFM, WKCFM, WESZ, KRXL, KNIM, KJTY, WTAB, KBKB, KOAK, KWAQ, KEFM, KNIN, KISR, KFNC, KKNQ, KSPI, KCVO, KWYSN, WQNL, WGTW, WKKI, WSHW, WJOT, WKQP, WKXA, WBMW, CKGL, and KQOR.

73, Joe

RALPH STROBEL - 106 E. DAVIDSON STREET - MUNCIE, INDIANA 47303

Equipment: McIntosh MR-78 FM Tuner - Stereo Probe 9 Antenna 37 feet above ground

May 1990 (CDT)

Table listing radio stations for May 1990, including call letters, frequency, location, and power. Stations include WAEJ, WIGR, WGBL, WVKR, WQPR, WKYR, WQYR, WAAA, WMJW, WKBJ, KSNE, WNNM, WZZD, WQGR, WSLI, WMC, WSHW, WSTZ, WMZQ, KKCS, KXCS, KQXT, KILT, WBLG, WLVE, WQWR, WPOF, KGNZ, KBTS, KNCT, KVNE, KTKX, KLTJ, KFAN, WRR, KQXT, KMGQ, KRWA, WJOT, WKQP, WKXA, KESJ, KQOR, and KLAQ.

27 Es (cont'd)

Table listing radio stations for May 1990 (continued), including call letters, frequency, location, and power. Stations include KOOI, KQAA, KSDN, KTTY, KCCM, KPCQ, KYTA, KRKY, KIDK, KGPR, KROE, KZMQ, KBOZ, KYBS, KRZB, KMGW, KQNM, KENW, KRPM, KGLJ, KNLA, KBOM, KWIK, KBIM, KGLI, WAGO, KXJT, WXLX, KXLL, KELY, KRFI, KVVV, KMXR, KQXT, KPVU, KPFU, KHMO, XNXL, KJJB, KBNL, XHSAB, XFT, KAAQ, KZAK, KCOM, KMI, KTFE, KPHY, KPRS, and KXMS.

- Continued -

31 Es (May)	
1922	KQOK 106.5 TX Galveston, SS \$ 915
1926	KVOL 105.9 LA Opelousas, rps 766
1930	KPFM 102.7 TX San Antonio, r\$ 1050
1936	KQZY 105.3 TX Dallas, r\$ 814
1939	KMMX 106.7 TX Terrill Hills, r\$ 1045
1941	KPLT 107.7 TX Paris, k\$ 719
1947	KPEZ 102.3 TX Austin, rps 978
1948	KMCO 101.3 OK McCallister, k\$ 674
	(o/WFMG 101.3 IN Richmond)
1951	KORQ 100.7 TX Abilene, ads \$ 961
1953	KAJA 97.3 TX San Antonio, k\$ 1050
1957	KTKX 91.5 TX Texarkana, PSA\$ 690
1958	KEOM 88.3 TX Mesquite, PSA\$ 808
2001	KDAQ 89.9 LA Shreveport, \$ 706
2004	KTXN 98.7 TX Victoria, b\$ 1027
2009	KKHR 98.1 TX Anson-Abilene, r\$ 961
2013	KZEP 104.5 TX San Antonio, r\$ 1050
	(o/WAJC 104.5 IN Indy)
2016	KWZD 103.7 TX Hamlin, k\$ 966
2017	KGEE 99.9 TX Monahans, ad \$ 1127
2030	KCRS 103.3 TX Midland, wx, \$ 1090
	(o/WWJC 103.3 IN Indy)
2031	KQZT 105.9 OK Hobart, rps 831
2033	KXKX 105.5 OK Chickasha, ads \$ 775
2034	KACT 105.5 TX Andrews 1110
2036	KMGF 102.1 TX Monahans, r\$ 1120
2042	KPEZ 101.1 TX Lubbock, mr\$ 1017
2047	KMOD 97.5 OK Tulsa, r\$ 638
2048	KEGO 96.5 OK Elk City, wx, \$ 830
2050	KAPT 100.5 OK OK City, "The Cat" 738
	(o/WKXI 100.5 IN Kokomo)
2056	KZOR 94.1 NM Hobbs, r\$ 1140
2058	KOSU 91.7 OK Stillwater, wx \$ 694
2100	KENT 90.5 TX Odessa, g\$ 1110
2100	KUT 90.5 TX Austin 978
2100	KOCV 91.3 TX Odessa 1110
2104	KOKY 90.9 OK Edmond-OKC, r\$ 730
2105	KIKK 93.7 TX Lubbock, k\$ 1017
2110	KNYD 90.5 OK Broken Arrow, g\$ 634
2116	KRAZ 96.9 NM Farmington, k\$ 1260
2121	KKJQ 97.3 KS Garden City, ads \$ 845
2121	KKSS 97.3 NM Sante Fe, r\$ 1185
2123	KSLs 101.5 KS Liberal, ad\$ 866
2124	KKCS 101.9 CO CO Springs, k\$ 1040
2126	KVGB 104.3 KS Great Bend, ads \$ 726
June 1990	
1 Es	
0924	KGNZ 88.1 TX Abilene, g\$ 961
0931	KENT 90.5 TX Odessa, g\$ 1110
0938	KSJT 107.5 TX San Angelo, SS \$ 1025
0943	KELI 98.7 TX San Angelo, m\$ 1025
0950	KCEX 106.7 TX Midland, r\$, ads 1090
0952	KHXS 106.3 TX Abilene, k\$, 961
	(PSA mentions AGU campus), "Kix-106"
0954	KWKQ 107.1 TX Graham, k\$ 885
0955	KFPX 102.7 TX Merkel, r\$, "Fox" 981
0957	KIKS 105.5 TX Marker Heights 933
0959	KEAN 105.1 TX Abilene, k\$ 961
1005	KOKE 101.5 TX Brownwood, k\$ 966
1007	KKXT 98.5 TX Rockdale, k\$ 928
1013	KGNH 101.3 TX Sinton, p\$ "C-101" 941
	(Ad for CC Battery Co. of Corpus Christi)
	(o/WFMG 101.3 IN Richmond)
1014	KOOI 106.5 TX Jacksonville, wx 792
1023	KTRD 96.3 TX Del Rio, r\$ 1110
1025	KNEI 98.1 TX Austin, r\$ 978
1028	KOYE 94.9 TX Laredo, r\$ 1192
1031	KSCS 96.3 TX Fort Worth, k\$ 839
1032	KEAS 97.7 TX Eastland, k\$, ads 931

1 Es (June)	
1034	KMKC 107.3 TX Post, k mono 1007
1036	KQKQ 106.5 TX Galveston, SS 915
1041	KLSC 104.7 TX Lamesa, r\$ 1010
1043	KPEZ 101.1 TX Lubbock, mr\$ 1017
1045	KPMX 94.5 TX Lubbock, r\$ 1017
1046	KJAK 92.7 TX Slaton, g\$ 1017
1050	KCLV 99.1 NM Clovis, k mono 1059
1053	KPZA 92.9 NM Artesia, r\$ 1185
1057	KMWL 105.1 NM Maljamar, k\$ 1170
1105	KSEL 95.3 NM Portales, r\$ 1071
1243	KLST 96.9 TX Amarillo, ad \$ 965
1254	KHFM 96.3 NM Albuquerque, c\$ 1216
1300	KPLQ 91.5 NM Albuquerque, g\$ 1216
1624	KLLO 93.9 CO CO Springs, r\$ 1040
1956	WMLV 93.9 FL Miami Beach, j\$ 1040
2352	KMXR 93.9 TX Corpus Chr., r\$ 1098
2 Es	
1020	KIEZ 96.3 LA Brusly, b\$ 751
1033	KLOL 101.1 TX Houston, r\$ 915
1037	KOKI 95.3 LA Bayou Vista, k\$ 795
1040	KDBE 97.7 LA Natchitoches, ad\$ 723
1042	KLTP 93.7 TX Houston, mr\$ 915
1049	KWVS 97.5 TX Kingsville, m\$ 1118
1051	KLSU 91.1 LA Baton Rouge, r\$ 751
1053	KOTE 94.9 TX Laredo, r\$ 1192
1100	KBMJ 91.9 TX Corpus Chr., g\$ 1098
1101	KRPU 91.7 TX San Antonio, c\$ 1050
1102	KSBJ 89.3 TX Humble, g\$ ex-88.1 898
1115	KLDE 94.5 TX Houston, ad \$ 915
1119	KMTE 98.7 NM Maljamar, c\$ 1170
1122	KWHW 105.1 NM Maljamar, k\$ 1170
1125	KWKY 94.9 NM Aztec, r\$ 1250
1125	KMXR 93.9 TX Corpus Chr., r\$ 1098
1129	KSCS 96.3 TX Fort Worth, k\$ 839
1130	KIXV 95.3 TX Brady 980
1133	KMTU 88.1 TX Denton, c\$ 809
1135	KSPZ 92.9 CO CO Springs, r\$ 1040
1141	KKKK 94.1 CO Montrose, ad \$ 1200
1148	KRAI 93.7 CO Craig, r\$ 1150
1202	KSEC 93.3 CO Lamar, mr\$ 960
1214	KMOR 92.9 NE Scottsbluff, mr\$ 968
1223	KMKK 93.9 SD Rapid City, r\$ 953
4 MS	
0222	KRVS 88.7 LA Lafayette, 782
	Previous Es on ex-88.1
	(WIGR 88.7 IN Indy, off air M am)
5 tr	
0950	WKEL 107.5 NC Winston-Salem, r\$ 396
1110	WGSQ 94.7 TN Cookeville, k\$ 290
	(o/WFPC 94.7 IN Indy)
1825	WVRY 105.1 TN Waverly, o\$, ads 310
1830	WENN 107.7 AL Birmingham, s\$ 467
1843	WAHR 99.1 AL Huntsville, m\$ 382
1850	WKZK 103.5 MS New Albany, r\$ 441
1909	WZLP 104.3 AL Athens, r\$ 381
1919	WZLQ 98.5 MS Tupelo, r\$ 448
1935	WVMS 97.5 MS Oxford, k\$ 462
	(o/WAMZ 97.5 KY Louisville)
2000	WZDZ 106.7 MS New Albany, k\$ 441
2022	WBRZ 97.7 KY Providence, k\$ 245
2112	WFTA 101.9 MS Fulton, r\$ 447
2130	WECO 101.3 TN Wartburg, k\$ 300
	(o/WFMG 101.3 IN Richmond)
6 tr	
0134	KWXX 93.5 TN Savannah, r\$ 375
	(WVWQ 93.5 IN Hartford City, off)
0242	WIST 94.3 TN Lobelville, k\$ 320
0406	WAXM 93.5 VA Big Stone Gap, k\$ 285
	(New stations are underscored)

6 Es (June)	
0855	KILO 93.9 CO CO Springs, r\$ 1040
0904	KSEC 93.3 CO Lamar, nx, \$ 960
9 tr	
0702	WRKU 95.1 PA Grove City, rps 290
	(o/WAJI 95.1 IN Fort Wayne)
8 tr	
2259	WKEM 100.7 IL Coal City, m\$ 165
1042	WGEL 101.7 IL Greenville, ad 240
	(WEWZ 101.7 IN Elwood, off air)
11 tr	
2020	WTSE 107.1 GA Rockmart, 50 kw 420
12 tr	
2100	WTFR 96.1 OH Archbold, ex-WHPD 125
	(o/WQLK 96.1 IN Richmond) 95.9
14 Es	
1520	KJFE 92.3 CO Grand Junction, b\$ 1220
	(o/WPTS 92.3 IN Bloomington-Indy)
1534	KGMI 96.9 NE Terrytown, c\$ 970
1536	KMKX 95.9 CO Hayden, r\$ 1140
1539	KSID 98.7 NE Sidney, ads \$ 928
1540	KQSV 96.5 WY Rock Springs, k\$ 1255
1546	KRAI 93.7 CO Craig, r\$ 1150
1550	KNEB 94.1 NE Scottsbluff, k\$ 968
1611	KCWC 88.1 WY Riverton, r\$ 1195
1625	KTAK 93.9 WY Riverton, r\$ 1195
1641	KTRZ 93.1 WY Riverton, m\$ 1195
	(o/WKLR 93.1 IN Indy)
16 tr	
1433	WKMK 99.1 KY Edmonton, k, ads 225
	(o/WHKO 99.1 OH Dayton)
19 MS	
0143	WCIE 91.1 FL Lakeland 861
20 Es	
1012	KGNZ 88.1 TX Amarillo, g\$ 965
25 Es	
1745	KMYR 93.9 TX Corpus Chr., r\$ 1098
1900	KEZE 93.9 TX El Paso, r\$ 1315
1912	KTRD 96.3 TX Del Rio, SS \$ 1110
1939	KILO 93.9 CO CO Springs, r\$ 1040
1957	KNOY 88.1 TX Laredo, b\$ 1192
1959	KBNL 89.9 TX Laredo, SS \$ 1192
2015	KTSC 89.5 CO Pueblo, r\$ 1037
2033	KKPC 90.5 CO CO Springs, r\$ 1040
2042	KRCC 91.5 CO CO Springs, p\$ 1040
2044	KKFM 96.5 CO CO Springs, r\$ 1040
2050	KHNT 107.9 CO Pueblo, r\$ 1037
2054	KKCS 101.9 CO CO Springs, k\$ 1040
2100	KWYK 94.9 NM Aztec, r\$ 1250
2105	KRAZ 96.9 NM Farmington, k\$ 1260
2109	KPRA 102.1 NM Farmington, g\$ 1260
2115	KCEM 104.5 NM Bloomfield, k\$ 1252
	(o/WAJC 104.5 IN Indy)
2121	KGRQ 107.1 CO Pueblo, r\$ 1037
27 Es	
0800	KACV 89.9 TX Amarillo, 965
	(Heard on Honda car radio)
0855	KGBI 90.9 TX Dallas, g\$ (MR-78) 814
0858	KACU 89.7 TX Abilene, g\$ 961
0930	K201BH (TX Wheeler KPDR 90.5 ID) 850
	88.1 TX Canadian, g\$ 850
0931	KGAM 90.7 KS Wichita, g\$ 665
0940	KMUU 89.1 KS Wichita, wx/nx mono 665
	(o/WBNI 89.1 IN Fort Wayne)
0949	KEDT 90.3 TX Corpus Chr., c\$ 1098
0953	KKBO 92.9 TX Pasadena, ex-92.5 913
0954	KLTR 93.7 TX Houston, mr\$ 915
0956	KZNA 90.5 KS Hill City, nx \$ 770
0957	KLUX 89.5 TX Robstown, g\$ 1108
27 Es (June)	
0959	KRCC 91.5 CO CO Springs, NPR\$ 1040
1000	KTLF 89.7 CO CO Springs, g\$ 1040
1002	KWBI 91.1 CO Morrison-Denver, \$ 1040
1010	KSEC 93.3 CO Lamar, wx \$ 960
1014	KOSI 101.1 CO Denver, mr\$ 1040
1020	KCNT 88.1 NE Hastings, r mono 684
1024	KSQY 96.1 CO Greeley, r\$ 1055
1025	KBOM 88.3 TX Mesquite, r\$ 808
1030	KOKE 101.5 TX Brownwood, k\$ 966
1032	KAAQ 105.9 NE Alliance, k\$ 918
1039	KTRS 95.5 WY Casper, r\$ 1095
	(o/WFMS 95.5 IN Indy)
1041	KWTK 94.9 NM Aztec, r\$ 1250
1056	KMGW 94.5 WY Casper, r\$ 1095
1057	KLZI 92.5 WY Powell, r\$ 1240
1124	KTYT 88.1 TX Lubbock, r\$ 1017
1127	KSLF 96.9 TX Amarillo, r\$ 965
1129	KCEV 88.3 KS Wichita, g\$ 665
1145	KQSV 96.5 WY Rock Springs, ad\$ 1255
1152	KMKK 93.9 SD Rapid City, r\$ 953
1153	KPAK 93.9 WY Riverton, r\$ 1195
1159	KUNC 91.5 CO Greeley, j\$ 1055
1204	KTRZ 93.1 WY Riverton, nx \$ 1195
	(o/WKLR 93.1 IN Indy)
1221	KMGW 92.5 MT Miles City, r\$ 1100
1243	KETA 88.5 ND Belcourt, PSA \$ 950
28 Es	
1644	KSNM 98.7 NM Truth or Con., \$ 1300
1647	KNEY 96.3 TX El Paso, k\$ 1315
1651	KEZE 93.9 TX El Paso, r\$ 1315
1700	KOPX 92.3 TX El Paso, r\$ 1315
	(o/WPTS 92.3 IN Bloomington-Indy)
1702	KAMZ 93.1 TX El Paso, "2-93" 1315
	(o/WKLR 93.1 IN Indy)
1710	KPRZ 102.1 TX El Paso, r\$ 1315
1711	KTRZ 101.1 TX Lubbock, r\$ 1017
1712	KIOL 100.3 TX Lamesa, o\$ 1010
1715	KKKK 99.1 TX Odessa, g\$ 1110
1721	KPLF 106.3 TX Wichita Falls, r\$ 843
1724	KAMU 106.3 TX Colorado City, wx 1010
1737	KFST 94.3 TX Ft. Stockton, ad\$ 1185
1743	KWWW 105.1 NM Maljamar, k\$ 1170
1745	KHXS 106.3 TX Abilene, k\$ 961
1800	KNFM 92.3 TX Midland, k\$ 1090
	(o/WPTS 92.3 IN Bloomington-Indy)
1800	KBLP 105.1 OK Lindsay, k\$ 760
1802	KACT 105.5 TX Andrews, ad\$ 1110
1807	KZOR 94.1 NM Hobbs, ad\$ 1140
1815	KALP 92.7 TX Alpine, k\$ 1250
1816	KGNZ 88.1 TX Abilene, g\$ 961
1825	KFPX 102.7 TX Merkel, r\$ 981
1829	KEND 106.5 NM Roswell, k\$ 1170
1859	KANW 89.1 NM Albuquerque, s\$ 1216
1905	KNFM 96.3 NM Albuquerque, c\$ 1216
1910	KSEL 95.3 NM Portales, r\$ 1071
2015	WJIS 88.1 FL Bradenton, g\$ 892
2021	WATJ 88.7 FL Fort Myers, g\$ 959
July 1990	
1 tr	
1545	WQR 95.7 IN Attica, j\$ 70
	(o/WCLR 95.7 OH Piqua-Troy)
3 tr	
0030	WJPT 104.9 IL Shelbyville, ad\$ 160
	(WOKZ 104.9 IN Muncie, off air)
0059	WLJN 89.9 MI Traverse City, g\$ 316
0420	WIMI 99.7 MI Ironwood, r\$ 510
	(o/WSEW 99.7 IN Frankfort)
0527	WRUP 103.3 MI Marquette, r\$ 470
	(o/WNJC 103.3 IN Indy)

3 tr (July)		11 Es (July)	
0600 WKPR	91.7 WI Rhinelander, nx\$	430 2228 KILQ	93.9 CO CO Springs, r\$ 1040
0607 WRWL	95.7 MI Marquette, nx\$	470 2230 KEPC	90.5 CO CO Springs, r\$ 1040
4 tr		19 Es	
0230 WYFG	91.1 SC Gaffney, g\$, Previous MS	410 1045 WMCU	89.7 FL Miami, g\$ 1040
0302 WREK	91.1 GA Atlanta, p\$	447 1112 KMXR	93.9 TX Corpus Chr., r\$ 1098
0417 WRVL	88.3 VA Lynchburg, g\$	375 1122 KMGV	92.7 TX Kingsville, k\$ 1118
6 tr		27 Es	
0458 KZKX	96.9 NE Seward-Lincoln, k\$	617 1143 KOYE	94.9 TX Laredo, r\$ 1192
0952 KCCV	90.5 MO Maryville, j\$	500 1144 KRKT	98.5 TX Rockdale, k\$ 928
7 Es		1146 KLUX	89.5 TX Robstown, g\$ 1108
1114 KBNL	89.9 TX Laredo, g\$	1157 KQXT	101.9 TX San Antonio, mr\$ 1050
1430 KMXR	93.9 TX Corpus Chr., r\$	1098 1158 KSTX	89.1 TX San Antonio, \$ 1050
1453 KAJA	97.3 TX San Antonio, k\$	1050 1202 KFAN	101.1 TX Fredericksburg, \$ 1020
1527 KGMZ	88.1 TX Abilene, g\$	961 1210 KKHR	98.1 TX Anson, r\$ 961
8 Es		28 tr	
1330 WRAF	104.3 FL W. Palm Beach, b\$	979 1219 KRMD	102.3 OK Duncan, ads \$ 780
1337 WKQL	96.9 FL Jax, r\$, ex-WAIV	712 1224 KCEX	106.7 TX Midland, ad \$ 1090
1338 WQCS	88.9 FL Fort Pierce, c\$	926 1227 KLTE	101.9 OK OKC, r\$, (DJ) 738
1415 WUWF	88.1 FL Pensacola, c\$	682 1230 KOGC	88.9 OK OKC, j\$ 738
1546 WSEB	91.3 FL Englewood, g\$	930 1243 KTOH	99.9 NM Clovis, r\$ 1059
2008 KRAI	93.7 CO Craig, r\$	1150 1245 KETE	95.9 TX Perryton, r\$, nx, 870
2013 KSID	98.7 NE Sidney, r\$	928 1300 KSLV	95.3 CO Monte Vista, k\$ 1150
2014 KOSI	101.1 CO Denver, mr\$	1040 1313 KASE	100.7 TX Austin, k\$ 978
2031 KIMX	105.5 WI Laramie, ad \$	1060 1329 KETR	88.9 TX Commerce, r\$ 748
2048 KSTT	104.5 WY Rock Springs, r\$	1255 1340 KEOM	88.3 TX Mesquite, r\$ 808
(o/WAJC	104.5 IN Indy)	1401 KNTV	88.1 TX Denton, j\$ 809
2058 KLEN	106.3 WI Cheyenne, b\$	1020 1446 KGMZ	88.1 TX Abilene, g\$ 961
2103 KKAZ	100.7 WI Cheyenne, r\$	1020 1512 KMOC	89.5 TX Wichita Falls, g\$ 843
11 Es		1537 KNIN	92.9 TX Wichita Falls, r\$ 843
1725 KRST	92.3 NM Albuquerque, k\$	1216 0921 WNRJ	105.7 OH Marysville, r\$, 125
2056 KCSU	90.5 CO Fort Collins, j\$	1070 0921 WTLG	105.7 IN Indy) "Power-105.7"
2058 KTCL	93.3 CO Fort Collins, r\$	1070	
2100 KUWR	91.9 WY Laramie, j\$	1060	

Meteor Scatter Results:

5/7 WAYJ "...Before long, Southwest Florida area school children will hear their last bell ring for the year. Seniors will proudly walk their ceremonial round to receive their long awaited diplomas. Remember your graduation night? The thrill when your name was called, and the feeling that you finally learned it all? Now as the years go by, it's funny to think about how much you've thought....learning about life...for contemporary Christian music. If you appreciate 'Way-FM,' write this week, and remember we're listener supported radio..." (60 second burst)

5/12 WKGR "...concert, and we here at KGR radio..."

5/13 WGYL "...let's hear from you. Send your entry to the anniversary...WGYL..."

5/16 WMZQ "...2q..."

5/20 KKCS "...Colorado Springs..."

6/19 WCIE "...WCIE will be broadcasting live...and the crew. There'll be a few others dropping by. There'll be free hot dogs and pepsi and a great time. So for the free concert and celebration of the grand opening of the Fire Escape Youth Center, come to 5303 S. Florida Ave. in the Lakeland South Center, Saturday June 23rd at 7:30 until 10:30 p.m., and WCIE will be there looking for you..." (40 sec)

The E-skip season began with a big bang, but seems to have fizzled out in late July. Today is July 29th and there has been no skip since the 19th. To be able to log distant stations through semi-locals is a treat. I was able to log stations through strong semi-locals in Richmond, IN (40 miles), Kokomo, IN (44 miles), Indianapolis, IN (50 miles), Fort Wayne, IN (62 miles), Piqua, OH (59 miles), and Dayton, OH (67 miles). As far as I could tell, I didn't miss any Es openings this summer. You can see from my report that all Es here was to the NW, W, SW, S, or SE. There has been no skip to the New England or French Canada areas as yet this summer. Those areas have been rare in previous years also. The few days of tropo have brought me some new stations, but tropo conditions this summer have been very mediocre. Danny Buntin's remarks regarding the 1980 tropo was certainly true! Those who were not DXing in 1980 missed something that I doubt we will ever see again! Let's hope the August meteor showers will produce some good DX! 73-Ralph

Equipment same as last time (201) 586-3563
MAY 1990 DX

24 Tr/GW (in car)

1415 WJBR 99.5 DE Wilmington, WBAI off
I-80, exit 39, Denville, NJ
1645 107.7 WSNJ/WGNA mix (at QTH)
1945 WNCE 101.3 PA Harrisburg, u/WKCI with lame
27 Es
0929 WCTG 92.1 FL Venice, ID
0910 WSEB 91.3 FL Englewood, religion
0911 UNID 91.7 with Latin music
0915 WJIS 88.1 FL Bradenton, Joy FM
In again on car radio at 1432
2254 unid 88.5 with Latin
2258 KUMR 88.5 MO Rolla, ID, with University
of Missouri program
2347 KNYD 90.5 OK Broken Arrow, ID w/Bill N.
2348 WQUE 93.3 LA New Orleans, Q-93 ID
2349 WQID 93.7 MS Biloxi, disco
2353 KBEZ 92.9 OK Tulsa, ID // Bill N
2354 WMAX 95.7 LA New Orleans, Mix 95.7
2358 WYLD 98.5 LA New Orleans, soul music
28 Es
0007 WKMC 101.7 MS Collins c/w, Take an Ozark Vacation
0010 WLTS 105.3 LA Slidell, lame, blowing out Phila and
local on 105.5
0012 KMDL 97.3 LA Kaplan, c/w, ID
0017 KHOM 104.1 LA Houma, soul, ID
0021 KROF 104.9 LA Abbeville, ID as KROF AM and FM
0024 WAKH 105.7 MS McComb, ID with Bill N
0025 WJMI 99.7 MS Jackson, Power 99
0031 WYNY 101.5 LA Baton Rouge, ID
0033 UNID 102.1 k, is Basile, LA on the air yet?
0034 KBLU 103.7 LA Lake Charles, Bayou 104
0059 KNTU 88.1 TX Denton, ID with Bill N
0108 KTUX 98.9 TX Carthage, Tux 99
28 Tr
2212 WKPE 104.7 MA Orleans, Cape 104
2230 WAAF 107.3 MA Worcester, ID
2244 WHCN 105.9 CT Hartford, thru local WNWK
2255 WESR 103.3 VA Orley, ID, rare
2306 WOCB 94.9 MA Yarmouth, Talknet, NBC news
2316 WFCR 88.5 MA Amherst, classical, ID
2321 WSR5 96.1 MA Worcester, ID
2328 WPLR 99.1 CT New haven, on top of local WAWZ
2354 WQDS 103.3 MA Boston, Oldies 103
29 Tr
0014 WKHI 99.9 MD Ocean City, Power 99.9
0110 WVBF 105.7 MA Framingham, weak thru WQSR
0118 WJBF 103.9 PA Jenkintown, religion o/WFAS
0150 WROR 98.5 MA Boston, ad for service for
Boston Singles
0158 WGTU 107.7 PA Gettysburg, Country 108
0207 WZLX 100.7 NJ Wildwood, ID
0225 WCGY 93.7 MA Lawrence, ID
0240 WQKQ 97.5 PA Dover, c/w thru WPST/WALK
0305 WYCL 107.5 PA Boyertown, thru local WBLS
0324 WZQJ 94.5 MA Boston, ID w/rock over Trenton
0332 WBOS 92.9 MA Brookline, ID
0339 unid 95.9, ID as Lite 96 FM
0401 unid 88.9 ABC news, maybe WJMJ relog
0408 WJJB 96.9 MA Boston, muzak, ID o/WFPG
0421 WXLQ 104.5 MA Fitchburg, ID after Willie Nelson
0426 unid 92.5 lame behind WYVZ/WXTU

28 Tr

0921 WNRJ 105.7 OH Marysville, r\$, 125
(o/WTLG 105.7 IN Indy) "Power-105.7"

JUNE 1990
1 Tr
1210 WXPB 88.9 PA Philadelphia, one of my nearest
unheards
2 Es 1450-1452 2 unids on 88.5

JUNE 1990 DX

4 Tr

0030 WXTX 104.1 MD LaPlata, Extra 104
0127 WYCR 98.5 PA York, 98.5 YCR
0128 WGCN 96.1 PA Red Lion, religion, rare
0131 WJBR 99.5 DE Wilmington, thru local WBAI
0134 WHKS 94.9 PA Harrisburg, New Cool 94.9, also
IDed as 94.9 FM
0145 WBJC 91.5 MD Baltimore, local strength
0159 WBSB 104.3 MD Baltimore, B 104 thru WNCN
0203 WJBR 99.5 DE Wilmington, thru local WBAI
0210 unid 107.3 religion (DuBois?-gc)
0211 UNID 105.9 Grateful Dead Hartford? Washington?
0213 WXCX 103.7 MD Havre de Grace, Extra 103, no WNNJ
0219 WHUR 96.3 DC Washington, local strength
0227 unid 91.3 request line 451-2701
0229 unid 88.1 discussion on hearing impaired
0247 WSVS 104.7 VA Crewe, C/W clear in stereo,
"Southside's best country, one of my farthest tropo"
0304 WJBF 103.9 PA Jenkintown, domineering, playing
James Brown instead of religion.
0320 WGTS 91.9 MD Tacoma Park, solid
0335 WKRB 90.9 NY Brookly, sign off
0339 WBLU 90.3 RI Kingston ID, heavy metal, with request
line 401-272-8866
0341 WUUH 91.3 CT Hartford, ID
0345 WNTX 96.3 MA Nantucket, Oldies 96
8 Tr
2242 WRQX 107.3 DC Washington, domineering w/Q107
2245 WFMV 106.3 NJ Blistertown, close but usually weak
now IDs as classic hits 106

13 Tr

1808 WMRV 105.7 NY Endicott, ID w/WQSR/WQXA. Finally

14 Tr

0753 unid 104.1 lame Harrisburg? (or Waterbury-gc)

15 Tr

1023 WRSE 105.7 NC Columbia, Surf 106, local quality
1024 WMYK 93.7 NC Elizabeth City, disco, ID
1031 WFOG 92.9 VA Suffolk, ID
1032 WJQI 94.9 VA Norfolk, New Joy 95
1046 WJNR 98.7 VA Norfolk, thru local WRKS
1048 WYFI 99.7 VA Norfolk religion
1049 WQMS 100.5 VA Norfolk, ID
1054 WZCL 105.3 VA Norfolk, Cool 105.3, oldies
1058 WKSX 96.1 VA Cape Charles, Soul, ID- WKSX Cape
Charles, Virginia Beach, Hampton,
1103 WUDE 101.3 VA Hampton, 2WD, lame
1107 WLTU 95.7 VA Norfolk, ID
1107 WNVZ 104.5 VA Norfolk, Z-104
1120 WGH 97.3 VA Newport News, ID
1123 WAEL 97.7 DE Milford, lame "Waffle" (They were a mix
of a/c and top 40 rock when I was in Ocean City-gc)
1322 unid 104.1 muzak

17 Tr in car coming back from Paul Mount's

0000 WSR5 96.1 MA Worcester (near Aberdeen, NJ)
0050 WXYV 102.7 MD Baltimore, thru WNEV FM (Bedmin-
ster, NJ, on I-287, behind "The Hills" development)
0130 WGBH 89.7 MA Boston, local (Denville, NJ)
0244 WKSZ 100.3 PA Media, Thru WHIT (at home)
0251 WHYY 90.9 DC Washington, classical, ID mixed
with WKRB and WHYY off.
0319 WSRF 105.7 NC Columbia, Surf 106
0324 WHYJ 94.1 RI Providence, Along Came Mary
0333 unid 96.7 disco, could be semi local WTSX, which is
rare here.
0339 WAFI 97.7 DE Milford, soul music
0343 WYFI 99.7 VA Norfolk, religion
0346 WZBH 93.5 DE Georgetown, The Beach, Grateful
Dead. continued.....

RICHARD SHAFTAN'S REPORT - continued.

JUNE 17 Tropo

0422 WJQI 94.9 VA Norfolk, All New Joy 95
 0447 WFOG 92.9 VA Suffolk, ID
 0451 WJFL 106.5 NC New Bern, Solid Gold Sat Nite
 ID, mixed with WHLM, Power 106
 2202 WJWL 105.1 RI Providence, lame under WNSR, ID
 2322 WCAV 97.7 MA Brockton, c/w under WCTY, ID
 2330 WUMB 91.9 MA Boston, Spanish, ID // Bill N.
 2332 WBOS 92.9 MA Brookline, solid, tapping dial
 2333 WMLX 106.7 MA Boston, Thru WLTW, Magic 106.7
 2336 WJCR 101.9 MA Falmouth, thru WQCD, ID, nothing
 through WCBS-FM on 101.1 though.
 2339 WJBR 99.5 DE Wilmington, way on top of WBAI

18 Tr

0010 WJLL 98.3 CT Willimantic, Manic Monday, ID, one
 of my nearest unheards.

19 Tr (break opening to DC)

0900-0905 88.5, 89.3, 107.3 very strong, chs 20, 26, 32 local
 0911 WKYS 93.9 DC Washington, soul under WNYC
 0918 WCAV 99.5 DC Washington, muzak under WBAI
 0920 WJWZ 98.7 DC Washington, C/W u/WRKS
 0922 unid 97.1 lame under WQHT. Pr. WASH

23 Tr

0014 WNNN 101.7 NJ Canton, another one near that
 was not heard before.

26 Es: fast moving cloud, nothing in for more than 1 min.

1832 WXDJ 95.7 FL Homestead, latin, ID // Bill N. I guess
 there is a format change
 1834 WAAC 92.9 GA Valdosta, C/W, ID // Bill N.
 1900 WUWF 88.1 FL Pensacola, ID
 1911 WFGS 91.7 FL Milton, religion
 1921 unid 92.1 Coastal Waters Forecast
 1927 WBLX 92.9 AL Mobile, soul, on top at 2000
 1932 WKPK 88.5 FL Sunrise, rockin Reggae show, ID
 1945 unid 89.3 Spanish, then ID at 1953 as "Urban
 Alternative-Biblical Challenge for Change"
 1947 WHIL 91.3 AL Mobile, Monitor Radio, APR
 2002 unid 89.3 program about Cuba
 2003 WBHM 90.3 AL Birmingham, Operation Birmingham
 2006 WZEY 92.1 AL Fairhope, Hard Rock, 92 Zoo
 2011 unid 94.9 Jazz
 2011 WKSJ 94.9 AL Mobile, Marshall Tucker, wx, hl of
 91, low of 68

2011 WZTA 94.9 FL Miami Beach, Zeta 94
 2016 WZLMT 97.3 AL Dadeville, ad for Hwy 280 Produce
 Only station on 97.3 near US 280
 2016 WJYE 95.3 GA Nashville, Atlanta Braves with
 Steve Avery pitching
 2030 KLBJ 93.7 TX Austin, RR, ID, ads, farthest Es, I think
 2044 KMTR 95.3 AR Murfreesboro, B-95, SW Arkansas
 2046 KOOL 94.9 AR Pine Bluff, Cool 95, Oldies
 2109 KZPS 92.5 TX Dallas
 2109 unid 92.1 Country 92
 2128 unid 98.3 Lite 98.3
 2303 unid 92.1 classical
 2310 KBEZ 92.9 OK Tulsa, ID

28 Es

0912 KJMR 88.5 MO Rolla, Bluegrass, ID
 0936 KDHY 88.1 MO St. Louis, lcl sps, Lambert Airport
 0951 KCLR 89.3 MO Kansas City, ID
 0952 KLCI 88.5 MO Kansas City, religion
 0954 KKEI 90.1 MO Kansas City, ID
 0954 KLSH 93.3 MO Kansas City, ads, ID Mix 93
 0955 KCMQ 94.9 MO Kansas City as for "Kansas City's
 own" Bellefonte Frozen Yogurt
 0956 KMBR 99.7 MO Kansas City, ID as "99.7 FM", CDT
 Request line 576-7777 (Richard, I removed the
 tent. mark. I checked the phone book here at
 the library and that phone no. is in fact KMBR-gc)

JUNE 28 Es continued.

0956 KYYS 102.1 MO Kansas City, KC's K-102
 0958 KUDL 98.1 KS Kansas City, ID
 0959 KKEE 94.1 KS Kansas City, C/W under WYSP
 1001 KRXL 94.5 MO Kirksville, as for Greensmith Hospital
 which is in Kirksville, ID sounded like 94 Now
 1011 KTGL 92.9 NE Beatrice, The Eagle 92.9
 1023 WOW 94.1 NE Omaha, ads, ID
 1034 KKRJ 93.7 IA Carroll, C/W, ID
 1037 KJLY 92.5 IA Ankeny, ID
 1127 Es briefly back to 88.5
 1654-1712 Es briefly back as high as 89.3 at least.

JULY 1 Es

1055 KBEZ 92.9 OK Tulsa, Muzak
 1057 KKNQ 92.5 OK Oklahoma City, Religion // Bill N
 1101 KSPJ 93.7 OK Stillwater, news, Classic 93.7

2 GW & Es

2148 (WQQQ) 96.7 CT Stamford, All New Q 96.7, oldies
 2305 KTGL 92.9 NE Beatrice, ID, Tom Petty

3 Trs & Es

0955 WGT5 91.9 MD Tacoma Park, wx and ID
 1214-1217 unids 89.3 and 90.1
 2328 unid 94.9 Good Time Oldies on Oldies 94.9

4 Tr

0654 WCRE 103.3 OH Cleveland, USA Radio News, weak
 to WPRB sign on, ID // Bill N who gets all this North
 and west stuff much better than I.

0654 WKXA 100.5 OH Findlay, Madonna, ID // Bill N

0714 WNNK 104.1 PA Harrisburg, Wink 104, ID
 0730 WKBN 98.9 OH Youngstown, ID // Bill N
 0740 WHWK 98.1 NY Binghamton, Hawk, ID
 0810 WQIX 100.9 NY Horseheads, c/w mention Rte 14
 in Milton, thought it was WOEZ, til I checked my
 tape and my atlas.

0820 WXB8 97.3 PA Harrisburg, strong
 0850 WBOS 92.9 MA Brookline, Billy Joel, ID
 0910 unid 95.7 lame thru WFLN/WKSS
 0930 WCTK 98.1 MA New Bedford, exceptionally strong
 WKPE, WSNE also in.

1007 WHKS 94.9 PA Harrisburg, Cool 94.9
 1150 unid 92.1 religion

6 Es

0750 KLRB 96.5 AR England, ID
 0755 WMC 99.7 TN Memphis, Very strong
 0759 KAIQ 100.9 AR Arkadelphia, ARN news, IDded after
 call to station who told me Joe Fela had written.

0806 KZOU 98.5 AR Little Rock, Zoo 98, disco
 0813 KSSN 95.7 AR Little Rock, Kiss 96, ID
 0816 KOLL 94.9 AR Pine Bluff, Cool 95, ID
 0819 KHLT 94.1 AR Little Rock, ID
 0820 unid 97.3 CCountry 97
 0825 unid 97.3, ment Hampton Twship (WG7-gc)
 2015 KTGL 92.9 NE Beatrice, in 4 or 5 times this summer
 2050 KCDW 92.1 MO Sedalia, ID // Bill N
 2052 KZOC 92.9 KS Osage City, c/w, ID
 2102 KVQQ 98.5 OK Tulsa, ment local congressman elec
 tion, representing S and E of Tulsa

6 Trs

2120 WKRB 90.9 NY Brooklyn, B-91 under WHY?

7 Es

1834 unid 95.3 Oldies mixed with religion which I believe to
 be WTLN, Apopka, Florida.
 1841 WVFMT 94.1 FL Lakeland, Muzak
 1852 WYUL 92.5 FL Safety Harbor, My Sweet Lord // Bill N

8 Trs

0115 WMRV 105.7 NY Endicott, Lite Rock 105.7, rare

continued on the next page

RICHARD SHAFTAN's report continued

JULY 8, 1990 Es

1413 WJMI 99.7 MS Jackson, soul, Power 99
 1420 WZIX 100.1 MS Artesia, Z-100, Golden Triangle
 1423 KQOK 106.5 TX Galveston, ID // Bill N.
 1425 KBYO 104.9 LA Tualiah, c/w, ID
 1429 WLTS 105.3 LA Sildeil, Barry Manilow
 1430 KMYQ 100.1 LA Bostrop, ID
 1432 KUEZ 99.3 TX Lufkin, soul, ID
 1437 WMXG 100.5 MS Macon, religion
 1440 WMC-FM 99.7 TN Memphis, FM 100
 1441 KYKX 105.7 TX Longview, c/w, local ments
 1445 KISX 107.3 TX Whitehouse, Sam Cooke, Kiss 107
 1456 WKQL 96.9 FL Jacksonville, Bob Seger, ID
 1459 KVTT 91.7 TX Dallas, ID
 1502 WJXR 92.1 FL Maccleny, c/w ID
 1503 KLTU 94.1 TX Fort Worth, religion
 1513 KNNJ 92.9 TX Wichita Falls, ID
 1519 KZOU 98.5 AR Little Rock, disco, Zoo 98
 1540 KLS 93.3 OK Ada, Stereo 93
 1547 unid 101.3 c/w, mention of Ackertown,
 nonID, "Country...."

1554 KBEZ 92.9 OK Tulsa, K-Mart ad
 1554 KRAY 96.5 OK Tulsa, ID with KGTO
 1559 KNYD 90.5 OK Broken Arrow, ID
 1600 KSPI 93.7 OK Stillwater, ID
 1606 KVOO 98.5 OK Tulsa, c/w
 1607 unid 99.3 baseball-weak
 1609 KFDJ 101.3 KS Wichita, local mentions
 1613 KKRJ 107.3 KS Wichita, AT40, thru WAAF
 1615 KMAJ 107.7 KS Topeka, Steve Miller, local wx
 1618 KWKL 106.5 KS Arkansas City, very strong
 1620 KTKP 106.9 KS Topeka, Country 107, ID o/WKDN
 1624 WMC 99.7 TN Memphis, still in after 2 hrs
 1626 WYLD 98.5 LA New Orleans, FM98 mix w/KZOU
 1646 KHLT 94.1 AR Little Rock, K-Lite
 1649 WQUE 93.3 LA New Orleans, Q-93, c/w
 (Richard, you sure about the format; they're 'rs-gc)
 1654 WDJC 93.7 AL Birmingham, local ment Hwy 31
 1656 unid rocker thru WCHR, ID sounded "KMA"
 1657 WXL 94.1 MS MacComb, Sunny 94, ID
 1700 WQXY 95.7 LA New Orleans, disco
 (calls are now WMXZ-gc)

Locals are nulled easier through use of a Radio Shack variable attenuator. I have it hooked on the 300 ohm side of my Radio Shack FM amp input, with the aerial on the 75 ohm side. By tuning it, sometimes locals or dominant can be erased, with juicy DX underneath. Unfortunately, I think this item has been discontinued, but I bought mine at the Sanmar Electronics Radio Shack in Rockaway on Rt 46. Next DX purchase, another Winegard aerial to stack underneath my CS 6065. What a month. Thank to Bill N for helping me ID those weak ones. Totals now 505/32+/3/2. stations, stated, provinces, countries. Texas is now my best Es state with 21. Louisiana is second with 20, Florida third with 18. 73

JOEL ROSENBURG, M.D. - 19 GLENAYR RD. - RICHMOND HILL, ONTARIO L4B

Equipment is Marantz 125 tuner, Delhi 6 element FM yagi rotatable at 50 feet AG.

MAY 27, 1990 Es

1910 KILI 90.1 SD, 1940 opening gone
 29 Es
 2003 KETR 89.9 TX Commerce 1130
 2007 unid 98.7 oldies (likely Dallas-gc)
 2021 KCY 100.3 TX San Antonio, Y-100 1440
 2025 KZPS 92.5 TX Dallas 1200
 2028 unid 93.3 TX B-93-FM (KBTS Killeen-gc)
 2043 KFAN 101.1 TX Fredericksburg 1440
 2059 Unid 88.3 Texas State Network
 2101 KSTX 89.1 TX San Antonio 1440
 2107 ? 90.1 TX Commerce 1130

JUNE 16 Tr

1134 WFRO 99.1 OH Fremont
 1839 WLZW 98.7 NY Utica

JULY 8 Es cont.

1701 WBBN 95.9 MS Taylorsville, gatorade ad, ID
 1719 unid 91.3 Atlanta Symphony Orchestra
 1730 KBEZ 92.9 OK Tulsa, Musak
 1741 KZBS 98.9 OK Oklahoma City, ID thru Philly
 8 Trs
 2121 WCTX 92.1 PA Palmyra, Neil Diamond, ID
 8 Es again
 2136 unid 92.5 call in show, "Magic....OY?"
 2150 unid 94.5 USA Radio News covering Rodeo
 2215 unid 93.3 Jazz
 KTGL 92.9 Beatrice, NE in until 2250

8 Trs

2253 WETA 90.9 DC Washington, cl, ID thru WHY?
 2320 WKLX 98.9 NY Rochester, ID
 2337 WYOR 100.5 NY Rochester, ID
 2346 WMLQ 102.5 NY Buffalo, Niagara Falls Flea Mkt.

9 Trs

0011 WLTJ 92.9 PA Pittsburgh, very lame, ID #500.
 0159 unid 106.9 disco

11 GW Trs

1843 WXCN?? 88.5 That's what ID sounded like. Is
 WXPW now on 88.5?

14 Es. in all day to ch 3, finally into FM

2334 WSCD 92.9 MN Duluth, classical

16 Trs

0000 WFCR, WAQY, WGNA all ID
 0100 unid 106.5 Dr. Demento

July 17 Trs

1651 WPHY 106.5 NY Albany, finally, Ptx 106, ID

18 Es

1903 WMAA 91.3 MS Jackson, NPR nx, very strong
 1905 WFFN 92.9 AL Cordova, Country 93 WFFN, ID
 1908 WRJH 97.7 MS Brandon, religion
 1911 KSMB 94.5 LA Lafayette, disco o/WCHR, ID
 1943 unid 89.3 Steve Miller o/WMGS, pr KTGL, hl.

27 Es

1712 unid SS - mention of San Jose, help!!
 (What was the frequency?gc)

28 GW Trs

1157 WGBI 101.3 PA Scranton, v.strong over usually
 dominant WKCI

JULY 6 Es, from car. DXing is not the safest thing to do at 60 MPH!!

0810 WWNO 89.9 LA New Orleans	1120
0813 WBSN 89.1 LA New Orleans	1120
0817 WCKW 92.3 LA LaPlace	
0819 WMAH/V 90.3 NPR probably Biloxi	
2106 WMPR 90.1 MS Jackson	985
GW	
2128 ---- 99.1 Toronto see note #1	16
8 Tr	
1006 WMXD 92.3 MI Detroit	210
1011 ? 97.1 MI Detroit The Breeze	210
20 GW	
1509 CJLX 91.9 ON Toronto, see note #2	16

Joel's notes are on the following page....

JOEL ROSENBERG's comments.

Note #1: FM Simulcast on 99.1 (3 kw ERP) of Digital Radio Experiment with DOC authorization (July 5-15 incl.) on old CKO freq. , no calls assigned. Six hour sets of several TO stations, such as AM-CKEY, CFTR, FM-CBL, CHFI, CJCL, CHUM, CILQ, CFNY. **Note #2:** "Molstar Indy Network" simulcast of Molson Indy play by play - July 20-22 (incl) 10 watts from CN Tower, clearly heard in car to 2.5 miles, but faded in for seconds occasionally out as far as 12 miles. At home-light fade on regular equipment-distance 16 miles. Adjacent channel interference from CKPC Brantford 50 kw at 60 miles. 73, Joel

BOB SEYBOLD - 10567 BENNETT RD. - DUNKIRK, NEW YORK

July 8- huge skip opening covering entire FM band, running several hours 1200-2200. As many as five on same frequency in and out but were very steady. Started in Florida, also Cuba in, then covered every state along the Gulf, then up into Texas, Arkansas, Oklahoma, Kansas, Nebraska, Iowa, and the Dakotas finally. Some stations logged: WAGH 98.3 Fort Mitchell, Ala., WRBA 95.9 Springfield, Fla, WDEC 94.3 Georgia, KLAQ 97.5 Durant, Okla, KNIN 92.9 Wichita Falls, Tex., KBAU 94.3 Galliano, La., New Orleans 97.1, 91.5, 101.1, 95.7, Eupora 101.7, Hot Springs 97.5, Little Rock 90.5, 94.1, 103.7, Baton Rouge 98.1, Jackson, Miss. 90.7, 96.3, 99.7; Dothan, Ala. 95.5, Dawson 92.1, Pensacola 89.3, North Platte 97.1, Lexington 93.1, Mitchell 102.3, Rapid City 93.9, Emporia 104.9, Wichita 91.1, 95.1, 107.3, Springfield, Mo. 98.7 McAlester 101.3, Oklahoma City 100.5, Tulsa 92.9, 95.5, Wichita Falls 99.9, Amarillo 93.1, 94.1, Shreveport 93.7, 100.1, Houston 91.7, 94.5, 100.3; Atlanta 88.5, 90.1, 94.9, Bainbridge, Ga. 97.3, Jacksonville 95.1, 96.1, Dublin, Ga. 92.7, Ft. Smith Ark. 93.7, 100.9, Troy, Ala 105.7 and many more unIDed. To me this was a big opening-TV was wild.

dBruce Hall c/o 141 KING GEORGE ROAD - BRANTFORD, ONTARIO N3R 5K7

Equipment: JVC, JR-S 201 Receiver (modified with 3 150 khz filters), Pioneer SX550 receiver (modified with 1 150 khz filter), Magnum Dynalab 205 Signal Sleuth, Stereo Probe 9 fed with RG6 at 50' AGL, CM rotor (Ed: Distances are in kilometres)

JUNE 1990 DX

- 20 GW/TrS
- 0715 WORS 105.1 MI Detroit, c, march 255
- 21 TrS
- 0555 WQXK 105.1 OH Salem, k, K105, ID 253
- 0621 WKSQ 102.7 MO Mt.Clemens, r, Motor City Morning, 3 for Thursday 230
- 0641 WLQR 101.5 OH Toledo, b, ID not taped 313
- 22 GW
- 0653 CFMX 103.1 ON Coubourg, c, j, ID 207
- 23 TrS
- 0619 CHEQ 101.1 ON Smiths Falls, fm, wx, QSL recd in 9 days w/ bumper sticker, pens key chains, etc from Brian Perkin (PD) 368
- 0621 WGMR 101.1 PA Tyrone, k, tc, GMR-FM 322
- 0647 WOMP 100.5 OH Belleaire, WOMP-FM 100 357
- 0700 WAAL 99.1 NY Binghamton, The Hot FM WAAL, American Top 40, ID 355
- 0734 unID 99.1 New K-99-FM, probe aimed SW (Bruce, I'd bet this was WHKO Dayton-gc)
- 0801 WFMK 99.1 MI Lansing, Lite Rock , ID 350
- 24 Tr Overcast, Cool
- 0630 CIGL 97.1 ON Belleville, FM97, b, ID Bruce Hornsby music 242
- 0800 WCIZ 97.5 NY Watertown, r, CIZ, best of old, best of new. Most wanted on a bet by car radio installer that reception wasn't possible due to locals 97.3, 97.7. Again, amazin' li' filters! QSL recd one week from DJ Holly Helix 334
- 25 Tr/TrS Clear
- 0630 CBCE 97.5 ON Little Current, tm, CBC regional north weather, rx, wx, ID 331
- 1540 WDIR 90.9 MI Detroit, t, discussion host Pat Traynor, phone # 494-0964 255
- 1601 WMXD 92.3 MI Detrot, Detroit's Mix, ID 255
- 1859 WJMO 92.3 OH Cleveland Hts, Jammin 92 Milli Vanilli mx, 3rd catch on 92.3 beside 92.1 50 kw CKPC local less than 2 km away! 91.9 still elusive though 225
- 2002 WGLE 90.7 OH Lima, c, FM91, Night Mx 426
- 2152 WTRR 89.7 NY Henrita, Housemartins, ID 185

JUNE 26 GW/TrS

- 0558 WBNY 91.3 NY Buffalo State C, "This is Buffalos only alternative" Only WFBF 89.9 still left to log. Still on air Greg? (Yes-gc) 115
- 0612 WYTN 91.7 OH Youngstown, g, ID thru CKPC 92.1 SPLATTER 230
- 0615 nID 91.5 to 91.9 WCBJ heard "present temperature here in Blumont, Ohio"
- 0702 WBER 90.5 NY Henretta, p8, on & off 185
- 0712 WYMC 90.1 NY Greece, Julie DJ, rj, ID, that should be over 50 catches now 88 to 92 (a personal goal I made) Time for some E-skip! 182
- 27 Es Finally, I missed Memorial Weekend Skip!
- 1343 KODA 99.1 TX Houston, b, ID concert spot, Personal and Station DX record!
- Now I'm an official member of the KODA crew! 2024
- 1347 KILT 100.3 TX Houston, k, QSL in 14 days 2024
- 1403 KWNS 104.9 TX Winnsboro, wx, QSL 15d 1739
- 1404 KYCX 104.9 TX Mexda, k, ad for Life Insurance
- At times of E skip I wish I had a digital! Going back to personal favourite 99.1 and sitting on it
- 1428 KMAQ 99.1 AR Fort Smith, k, official wx strn QSL/Media Kit recd 13 days from Del Williams 1490
- 1432 unID 99.1 KS Pittsburg, r, wx, Y 99.1, Pittsbgh area weather, KSEK 1340 AM mentioned
- 1459 unID 99.1 FL Miami, 99 Jamz (WEDR-gc) new E-layer cloud formed?
- 28 TrS (maybe MS?)
- 1621 WIKB 99.1 MI Iron River, kr, ID "Clover Co. of Iron River", QSL/bumper sticker 13 dys 748
- 29 GW
- 0701 WVCC 101.7 PA Linesville, r, Z-ROCK finally caught a legal ID on tape 170
- 30 TrS
- 0700(WCII) 88.7 NY Spencer, g, USA Radio News (Bruce, this one is on 88.5. Also it never had any previous calls-gc) 300
- JULY 1990 DX
- 7 TrS
- 0634 CKOM 105.1 ON Peterborough, k, sports ID and Country 105 202

Bruce's report continues.....

BRUCE HALL'S REPORT continues

JULY 1990 DX

- 13 TrS
- 2353 WNGZ 104.9 NY Montour Falls, r, Wings 105, Fat Bottomed Girls by Queen 275
- 2330 WBYC 104.9 MI Alma/St.Louis, Tiger BB, ID 368
- 2349 WOVE 98.9 MI Vassar, The New 98.9, serving Flint and Saginaw. 276
- 2353 WIML 98.9 MI Petoskey, r, 99-JML, ID, wx 455
- 16 GW Clear skies
- 0703 CHRY 105.5 ON Toronto, p, t, CRTC obligations last Toronto catch at 50 watts sandwiched between 105.3 CPCA 100 kw @ 35 km, and CHRE 105.7 100 kw @ 80 km. Could the 3 (150) filters have helped? (Maybe, hi-gc) 80

17 GW/TrS

- 0604 CBXK 106.5 ON Owen Sound, r, K106.5, ID 161
- 0625 CBCB 98.1 ON Owen Sound, CBC, tm (Bruce, this station's frequency is 98.7-gc) 161
- 0714 CFLY 98.3 ON Kingston, 98.3 Fly FM, ID "Kingston's Easy Favourites" 322
- 0800 CFBK 105.5 ON Huntsville, rm, local ad with William St. Huntsville address, news, '17 degrees at 8 o'clock, I'm Don..." 265
- 18 TrS
- 0627 CKAT 101.9 ON North Bay, k, wx, Anne Murray music. Furthest North heard. 368
- 0729 CBEG 90.3 ON Sarnia, tm, CBC ID, regional rx With Barbara Peacock. 184

ROBERT ROSS VE3JFC - BOX 4373 STN C - LONDON, ONTARIO N5W 5J2

Equipment: Marante 2226 B receiver, with FM beam

MAY 1990 DX

- 27 Es
- 2200KSTX 89.1 TX San Antonio, Celtic program
- 2231 KUCV 90.9 NE Lincoln, ID as Nebraska Public Radio Network, into "Pipe Dreams"
- 2343KMGW 94.5 WY Casper, ph # list of movies in Casper, ez-list and folk music
- 2357 WPCV 97.5 FL Winter Haven, c/w music ID as 97 WPCV Winter Haven-Lakeland-Orlando 28 Es
- 0005 WNFN 99.9 FL Palatka, ID by OM as I-100 rock
- 0011 KDLY 97.5 WY Lander, ad for restaurant, c/w, mix with WONE Akron
- 29 Es
- 1915 WTJT 90.1 FL Greestview, Focus on the Family
- 1927 KBTS 93.3 TX Killeen, ID as B-93, Austin's #1 Hit Music Station, Rock music.
- 1930KNTU 90.1 TX Denton, jazz music, DJ-Scott phone number 565-FM88
- 1936KGGK 97.5 TX San Angelo, severe wx watch ID as KGGK 97.5, C&W music
- 1938KWTX 97.5 TX Waco, Central TX wx, ID as the Most Music 97 FM, Pop mx
- 1946KNFM 92.3 TX Midland, ad for Midland
- 1949KHYI 94.9 TX Arlington, rock mx, contest
- 2021KOPX 96.7 TX Georgetown, 85 in Austin, 96.7 Oldies all the Time
- 2035KHFI 98.1 TX Austin, K-98.1, local ads
- 2118KTRR 96.3 TX Del Rio, SS talk by 2, several mentions of Del Rio, ID in English at 2130.
- 31 Es
- 1953KILO 93.9 CO Colorado Springs, Kilo 94 rock Music, Stn #600 logged on FM
- 2016KRBE 104.1 TX Housotn, Power 104 IDs
- 2018KZEU 107.9 TX Victoria, c/w mx 108 KZEU
- 2028KTFM 102.7 TX San Antonio, ads, 102.7 Jams
- 2035KHLA 99.5 LA Lake Charles, local ads, lottery sport, LA99, rock music
- 2049KNRI 96.5 TX Houston, Energy 96.5, contest
- 2114KOXT 101.9 TX San Antonio, KQ102, c&w mx
- 2116KZEP 104.5 TX San Antonio, ads, another block of hits on 104 KZEP, rock mx
- 2120KTLK 99.7 TX Tye, flash fool warning, Abilene's KTLK 99.7
- 2127KODM 97.9 TX Odessa, event sponsored by channel 9 and KODM 98, contest spot
- 2134KGEE 99.9 TX Monhanas, KG-100, c/w mx
- 2159KMQC 89.5 TX Wichita Falls, legal ID, relig.
- 2201KOCV 91.3 TX Odessak Mountain Stage spot on 91.3 KOCV, public radio, classical wx

JUNE 1 Es

FM beam

- 1457KLUX 89.5 TX Robstown, ez list music, rlgS talk, Chorus Christi's AM go better w/KLUX
- 1612KYQX 89.5 TX Weatherford, c/w mx, ID as 89.1 KMQX Springtown and KYQX 89.5 FM Wford
- 2032WKY 106.7 FL Pt.Lauderdale, Joy 107, MOR mx 2 Es
- 2054KMDL 97.3 LA Kaplan, c/w mx, KMDL Kaplan Lafayette, local ads.
- 2100KSLU 90.9 LA Hammond, listener supported
- 2117KIKK 95.7 TX Houston, Kick 96 FM and KIKK 3 Es
- 1201KBNL 89.9 TX Laredo, SS rlgc pgm, ID in EE by OM as KBNL FM 90
- 1254KACV 89.9 TX Amarillo, ID as FM 90 KACV-FM Amarillo's FM90, DJ-Susan
- 12 Tr
- 1913WGTG 97.7 MI Sandusky, Tigers/Indians BB ID as WGTG-FM in local ads
- 2030WMBE 97.3 IN Fort Wayne, rock and heavy metal, ID as 97.3 WMBE
- 2150WUCX 90.1 MI Bay City, classical mx, ID as CMU Public Radio and 90.1 FM \$, legal ID
- 2152WKYN 97.5 PA St.Marys, 97-KYN, rock music
- 14 Tr
- 2017(WESE) 104.7 PA Pittsburgh, wx, ez list mx, ESY 104, WESE-FM 104.7, thunder stm warn
- 2242CFIB 95.7 ON Barrie, ID as Rock 95, ads, 26 Es
- 2024KELT 94.5 TX Harlingen, local ads, anti-drug campaign, Valley wx, request line.
- 2055KTLY 99.7 or 99.9 "Acadiana KTLV" jingle (Robert, I bet this is KTDY 99.9 Lafayette-gc)
- 2958WLBK 89.1 AL Montgomery, calls, address, phone number 271-8900 into open line pgm
- 2120WVAS 90.7 AL Montgomery, election talk.
- JULY 2 Tr
- 2247CBNT 88.1 ON Sault Ste Marie, FF talk by OM, 104.3 booming in!
- 2258CBSM 89.5 ON Sault Ste Marie, //CBCE 97.5
- 2306(WMXD) 92.3 MI Detroit, 92.3 the mix, Dance 3 Tr
- 0725CBCE 97.5 ON Little Current, CBC ID, region wx
- 2227WJLM 97.5 MI ELansing, Lansings New EZ 97.5 6 Es
- 2105WXL 94.1 MS McComb, lite rock, Sunny FM 8 Es
- 1503KSMB 94.5 LA Lafayette, dance mx, calls
- 1553WBHL 91.3 AL Florence, rock music, OM DJ
- 1621WIIN 98.7 MS Vicksburg, Win 98, contest, wx
- 1624WYMX 99.1 MS Greenwood, 99.1 WYMX, soul
- 1636WOOF 99.7 AL Dothan, 99.7 Woof FM

Robert's Report continues.....

ROBERT ROSS' report continues.

July 8 Es cont.

1638 WILN 105.9 FL Panama City, rock, Island 106
1648 WNT 94.9 FL Tallahassee, c/w mx, TNT
Country, stations promo

18 Tr

1151 WXXR 94.5 OH Port Clinton, ex WOSE, ID as
Toledo's and NW Ohio's Classic Rock X94.5
WXXR, weather by YL

21 Tr

1417 WEGR 107.5 WV Wheeling, rock, Eagle 107
(Robert, note the new calls-gc) ex-WZMM

22 Tr

1059 WCVF 88.9 NY Fredonia, 130 watts, ID as 88.9
The edge-WCVF, "Grapevine" pgm.
a community calendar pgm

WILLIAM R. HEPBURN - 1211-1547 MISSISSAUGA VLY - MISSISSAUGA, ON L5A 3K6

EQUIPMENT: JVC R-X330V Rcvr
12th floor balcony/indoor disco/diPoles.

- time EDT

JUNE 1990

16 Tr

0736 WCOB 96.5 NY Fredonia 81
2317 WBMW 94.7 3625 NY East Aurora 77
(STL FM-107.7 Weathersfield)

17 Tr

0122 WITNY 98.5 NY Watertown 180
0914 WKLK 948.5 NY Rochester 104
(STL FM-96.9)

26 Tr

0658 WAVE 91.7 NY Watertown 180
(re: WRVN 91.9 Utica)

26 Es

2058 WMBV 91.9 AL Dixons Mills 915
(xmtr Shilo Hill)

2120 WGBL

91.9 AL Birmingham 790

26 Tr

2125 WHKO 99.1 OH Dayton- 345
Springfield

27 Es

0000 KETR 88.9 TX Commerce 1125
0049 unid 99.1 "Max-99"
"The Delta Giant"

0050 MUF-99.3

1936 KZFX 107.5 TX Lake Jackson- 1330
Houston

1947 KRMD

101.1 LA ShrevePort- 1070
Bossier C-Springhl

1854 MUF-115.2

1957 KWNS 104.9 TX Willsboro- 1120
Sulphur SP-Mineola

Comments: Digital radio tests underway here in T.O. Sounds good with both extra bass as well as treble. Overall response sounds more flat and realistic. CJCL-AM aired, quote "the world's first digital sport's broadcast" unquote, with a Blue Jays game. It's still not true digital reception since we all still have just analog receivers -- but at least 1/2 of the transmission (i.e.-the transmitter) is in fact digital. Most AMs weren't advertizing the fact that they were doing the test. No wonder! If anybody tuned over to 99.1 and compared it to their AM signal they would wonder why in the world they were listening to AM for music! It's like watching black & white TV, hi. C.V. 311

AROUND THE DIALS: In Buffalo WBMW 107.7 Weathersfield has changed format again! They are now "beautiful" music, and WEZQ, EZ 107.7. They are picking up the format vacated by WJYE in late 1988. Big news also in Houston, where 96.5, which was modern rock and dance hits before that, is now KHMx "The New Mix" (96.5). The format is hot a/c or lite top 40... In Central Texas, 94.7 Luling has dropped easy listening for KATG "The Country Cat". 92.1 in metro Denver is now easy listening...the slogan for WXLT 94.1 MS is reportedly "Sunny 94".

JOHN EBELING - BLOOMINGTON, MINNESOTA

JUNE 1990 DX

5 Tr

1700 KQSD 91.9 SD Lowry

6 Tr

0800 KTSB 93.9 IA Sioux Center, g ex94.3

21 Tr

0825 KARL 105.1 MN Tracy, testing

25 Tr

2015 KTWB 101.9 SD Sioux Falls, 102 FM

25 Es

2022 KAPT 94.7 TX Luling, b

2028 KSTX 89.1 TX San Antonio

2031 KGNZ 88.1 TX Abilene

2045 KZFM 95.5 TX Chorus Christi

26 Tr

0800 KNEN 94.7 NE Norfolk, +X SCA

0800 KKPR 98.9 NE Kearney,
Elving's Old Stomping Ground

26 Es

2000 WESS 89.1 NC Fayetteville (No TV Es)

2001 WNAA 90.1 NC Greensboro

2019 WOSF? 92.1, like WOSF Oldies?

2024 WKRR 92.3 NC Ashboro

2030 WDLX 93.3 NC Washington

2100 WRJA 88.1 SC Sumter

27 Es

0700 WUWF 88.1 FL Pensacola

0830 WBLX 92.9 AL Mobile

0831 WFLZ 93.3 FL Tampa, +67 khz M

0832 WRJH 97.7 MS Brandon, g

0846 WBLE 100.5 MS Statesville,
Country 101 (ex 95.9)

0900 WMBV 91.9 AL Dixons Mills, g

0905 WJDR 98.3 MS Prentiss

0915 WPCS 89.5 FL Pensacola

1000 WLBE 89.1 AL Montgomery, g

1002 WBHL 91.3 AL Florence

1030 WBSN 89.1 LA New Orleans

1057 WSOB 90.9 FL Naples

1102 WFSU 91.5 FL Tallahassee

1109 WJIS 88.1 FL Bradenton, g, Joy

1130 WMFQ 92.9 FL Ocala, b, +M SCA

1132 WNFN 94.3 FL Lake City

1139 WLCL 97.7 FL Micapony, Clear 97 FM

1140 WQHL 98.1 FL Live Oak

1143 WHFX 103.3 GA Waycross

1147 WOMX 105.1 FL Orlando, Mix 105.1

1150 WYAI 104.1 GA LaGrange, k, Y106 & Y104

1157 WJYO 107.7 FL Mount Dora

1158 WCRJ 107.3 FL Jacksonville

1200 WDEN 105.3 GA Macon, k

1203 WMTY 103.5 SC Greenwood

1226 WSOC 103.7 NC Charlotte, k

1227 WYAK 103.1 SC Surfside Beach

1230 WJMX 103.3 SC Cheraw-Florence

1234 WPCM 101.1 NC Burlington

1236 WCKZ 101.9 NC Gastonia

JUNE 27 Es continued.

1240 WTHP 98.3 NC Thomasville

1248 WKTC 96.9 NC Goldsboro-Wilson

28 Es

1558 KLUX 89.5 TX Robstown

1559 XHOY 88.1 TX Laredo

1600 XHNOE 91.3 TA Nuevo Laredo

1601 KAJA 97.3 TX San Antonio

1619 KITY 92.9 TX San Antonio

1640 KLTG 96.5 TX Chorus Christs, K-Lite+MSCA

1645 KVMV 96.9 TX McAllen, g

1700 KJEE 92.7 TX Jennings

1700 KBNJ 91.9 TX Chorus Christi

1702 XHAAA 93.1 TA Reynosa

1705 KYKM 97.7 TX Winfield, b

1709 XEEW 97.7 TA Matamoros

1711 KDBH 97.7 LA Natchitoches

1714 KWVS 97.5 TX Kingsville

1716 KJWW 96.1 TX Harlingen (mix of EE/SS)

1719 KZFM 95.5 TX Chorus Christi

1721 KOYE 94.9 TX Laredo

1723 KHUN 101.7 TX Huntsville, FM 102

1725 KYKS 105.1 TX Luftkin

1727 KZFX 107.5 Houston, TX107

1730 KGLE 103.3 TX Freeport, g, +X SCA

1730 KJOJ 106.9 TX Conroe, dual ID w/above

1739 KISX 107.3 TX Whitehouse, Kiss 107

1751 KOUL 103.5 TX Sinton, k, Cool 103 FM

1800 KEPG 100.9 TX Victoria, EE and SS

1804 KBJT 100.7 TX Bowie, k, COuntry 100

1806 KRYS 99.1 TX Chorus Christi, k

1818 KTDR 96.3 TX Del Rio

1827 KJAK 92.7 TX Slaton, not yet on 92.9

1957 KOMP 92.3 NV Las Vegas, KOMP-The
Rock of Las Vegas

2000 KXTZ 94.1 NV Henderson, b, was 105 deg.

2000 KAFF 92.9 AR Flagstaff

2001 KNPR 89.5 NV Las Vegas

2004 KCEP 88.1 NV Las Vegas

2321 CJAY 92.1 AB Calgary, C-Jay

JULY 11 Es

2030 KGNZ 88.1 TX Abilene

2041 KYKR 93.3 TX Port Arthur

DX from cabin at Alborn, Minnesota:

JUNE 14 Es

1427 KFAN 101.1 TX Fredericksburg

1430 KBUB 90.3 TX Brownwood, g, 550 watts

1434 KMOO 96.7 TX Mineola, Lake Cnty \$

1440 KFMX 94.5 TX Lubbock

1442 KEBC 94.7 OK Oklahoma City, 94 Country

1451 KNFM 92.3 TX Midland

1500 KOCV 91.3 TX Odessa

1515 KNEW 89.5 NM Porales (ID with KHFM)

1521 KOFX 92.3 TX El Paso

JULY 2 Tropo

0815 KQLX 106.1 ND Lisbon, k

1900 KGRD 105.3 NE Orchard, continued....

JOHN EBELING

JULY 2 Tr cont

2030 **KCND** 90.5 ND Bismarck (Severe wx)
 2100 **KBRX** 102.9 NE O'Neill
 2100 **KQSD** 91.9 SD Lowry
 2130 **KTSD** 91.1 SD Reliance
 2148 **KIDA** 92.7 IA Ida Grove
 2200 **KIQS** 91.5 NE Omaha
 2325 **KSDN** 94.1 SD Aberdeen
 2359 **KESY** 104.5 NE Omaha
3 Tr
 1200 **WSCN** 100.9 MN Duluth, ex 100.9



P.O. BOX 5398, GAINESVILLE, FL 32602

MIKE CHERRY - BOX 631 - GANGES, B.C. CANADA V0S 1E0

(604) 537-5201, EQUIPMENT: see previous VUDs, @ = 1990 Toyota FM stereo radio with stock whip and Realistic #12-1875 10 db booster.

JUNE 1990**2 Tr @ Ganges**

1048 **KXYQ** 105.1 OR

23 Tr @ Vancouver

2030 **KMHD** 89.1 OR

2032 **KKSN** 97.1 OR

Kissin, oldies \$

2034 **KXYQ** 105.1 OR \$

2037 **KKEE** 94.3 WA

2039 **KDUX** 104.7 WA

2042 **KTPS** 91.7 WA

2045 **KKCW** 103.3 OR

2047 **KXL-FM** 95.5 OR

2049 **KBVMt** 88.3 OR

2057 **KBOO** 90.7 OR \$

JULY 1990**1 Es**

2039 **KCFR** 90.1 CO \$
with PSA and c music

2043 **KTPR** 91.1 IA, j

2045 **KHIH** 94.7 CO, \$, K-High

2048 **KANZ** 90.5 KS // KNZA 91.1

2054 **KHAZ** 99.5 KS, k, KZ 99, \$

5 Es

1836 **KCFR** 90.1 CO, c

1842 **KWBI** 91.1 CO, \$

g-cont, music

1844 unID 94.5 beam ESE,

rm, and was MONO

1854 **KKLY** 95.1 CO, rm\$, ID

1856 **KSTR** 96.1 CO \$

1907 **KPRN** 89.5 CO, \$

1914 **KEZU** 94.5 KS \$

1919 **KDCK** 95.5 KS \$

1922 **KSQI** 96.1 CO \$

1924 **KRXLT** 94.5 MO \$

with Royals BB

1927 **KJJJ** 102.1 AZ, rm\$, ID

1928 **KHUT** 102.9 KS, k\$, and located

1932 **KKRD** 107.3 KS, rs\$, funky rap!

1933 **KZXL** 107.9 KS, rm\$,

1936 **KZSN** 102.1 KS, k

JULY 5 Es cont.

1938 **KJLS** 103.3 KS CHR\$

1946 **KSOF** 91.1 KS calls, jazz, \$

1954 **KANZ** 90.5 KS, jazz, PSA, calls

2002 **KHCD** 89.5 KS c, calls, \$

2004 **KBYU** 89.1 UT

2012 **KCME** 88.7 CO, c

2036 muf down to ch 4

2150 **KNLB** 91.1 AZ rm, \$, calls

8 Es

1910 unID 91.1 \$, see note #1

1914 **KCSC** 90.1 OK ID, big band

1916 **KEBC** 94.7 OK

1918 **KIMN** 107.9 CO

9 Tr

0734 **KMBI** 107.9 WA

0738 **KKPL** 96.1 WA

(over KXXO via TrS)

0743 **KPBX** 91.1 WA

Morning Edition

0748 **KGDN** 95.9 WA, g

14 Tr @ Vancouver

2012 **KLCC** 89.7 OR, with ID, talk

2014 **KPBS** 89.9 OR

2017 **KBOO** 90.7 OR \$, ID, urban

2021 **KGHO** 95.3 WA, relig. pgm

2024 **KKSN** 97.1 OR \$

2026 **KMGE** 94.5 OR, rm music, ID \$

2034 **KWAX** 91.1 OR \$

2038 **KFAE** 89.1 WA c

2042 **KHPE** 107.9 OR cont. r music, \$

2047 **KZEL** 96.1 OR p

2053 **KKCW** 103.3 OR, \$

2059 **KMHD** 89.1 OR \$, legal ID, jazz

2103 **KLYK** 105.5 WA

17 Es

1917 **KNTU** 88.1 TX ID, Jazz

21 TrS

2209 **KMNT** 102.9 WA k music \$

22 Ms

0552 **KWST** 94.5 CA *90's in Brawley....*

Mike's comments on next page.....

MIKE CHERRY's comments

I've found a great spot for tropo whilst mobile in Vancouver, B.C. It is on a bluff jutting out over the ocean and provides a good, long-water based tr path towards west central Oregon and Wash! I tried the EID 35V mast-mount ore-amp that Doug Allen sent as a prize, but after much experimentation have found it works out much better with my VHF-tv array. July 5 Es turned into Kansas night here on both lo-band TV and FM. **Note #1:** this was one of the only signals in here. IDed as "Nebraska Public Radio". Is this the new KTNE Alliance, Neb. on the air already?!?! According to FCC News they only received their CP and calls last April or May (1990). I can't find any other possibilities for this one and it didn't stay in long enough for a legal ID. Whozziss??... Looking forward to trying the delta-Aquarids late July and Perseids early August for some MS IDs!!! Hope y'all got lotsa E-skip by now.....73's Mike

HARRY J. HAYES - 9 HENRY ST. - WILKES-BARRE, PENNSYLVANIA 18702

Equipment: Superradio Jerrold 9 element in attic
JUNE 1990

26 Es

2005 **WJST** 94.5 FL Port StJoe, All Gospel WJST

2017 **WJIZ** 96.3 GA Albany, with Z-96.3 IDs and local ads

2024 **WTNT** 94.9 FL Tallahassee, TNT Country

2037 **KUEZ** 99.3 TX Lufkin, oldies

2050 **WYMX** 99.1 MS Greenwood, MAX 99, ID, jingle

previously heard as WSWG.

1923 **KWKH** 94.5 LA Shreveport

26 Tr

2245 **WIKZ** 95.1 PA Chambersburg, rr, ID thru WZZO

29 Tr

2022 **WAYV** 95.1 NJ Atlantic City, rr

JULY 1990**1 Es**

1027 **KHYI** 94.9 TX Arlington

6 Es

2057 **KWEN** 95.5 OK Tulsa, K-95

2058 **KITQ** 96.1 OK Vinita ID

2102 **KXUS** 97.3 MO Springfield

7 Es

1856 **WOVV** 95.5 FL Fort Pierce, rr, jr

8 Es

1417 **KSMB** 94.5 LA Lafayette, FM 94 1/2

1420 **WTYX** 94.7 MS Jackson, no call, Oldies 94

1420 **WOHT** 95.5 MS Jackson, rap music

1421 unID 96.3 soft rr, suspect WSLI

1421 **KYKX** 96.1 LA Lake Charles, Kix, o/the 96.3

1430 **WMBR** 99.7 MS Jackson, Power 99, local ads

1441 **WBMS** 97.5 MS Oxford, Miss 98

1442 **KBIU** 103.7 LA Lake Charles, rr

1454 **WSOR** 90.9 FL Naples, Christian Life Radio

Grand total is 767 stations after 20 years of DXing FM. 7/8 was an all around grandy day with the season's best Ex session and Tropo session both happenig on that day. I was pleased to receiver WQWK 97.1 on 7/22. This is one I never tried for because I never expected to hear them. This shows one should always have faith. I would like to wrap up 97.1 and surrounding channels as much as I can now. Mountaintop PA 97.1 is threatening to come on but not, fortunately, for about 4 years. The future owner has a lot of loose ends to tie up, including still being tied up with WRBL 102.3 "Rebel Radio" in Pittston. I have a sneaking suspicion he will be on before this. I am also being threatened with Tobyhanna on 107.9, Tunkhannock on 107.7, Olyphany on 95.7, Hawley 105.3, not to mention a 99.5 in Scranton. I think if I see one more authorization for this area I'll screeme! Alas the FM band was not created for DXers. My opinion for this season is that it was OK but nothing super fantastic. There seems to have been a shortage of Es on FM. I'm keeping my fingers crossed for some prize winning tropo this fall.

GEORGE B. SHERMAN - 104 PINEWOOD CIRCLE - APPLE VALLEY, MINN 55124

Equipment: McIntosh MR78 tuner, Winegard, CS6085 10 element FM antenna.

MAY 1990 DX**28 Es 0000-0010 CDT**

KCMI 96.9 NE Terrytown

KMTS 92.7 CO Glenwood Springs

KRPN 89.5 CO Grand Junction

K----- 92.3 CO Grand Junction "K-Joy"

1959 CILA 107.7 AB Lethbridge, r, LA-107

JULY 8 Es cont.

1508 **KPLX** 99.5 TX Fort Worth, K-Plex

1515 **KISU** 90.9 TX Houston, The Choice

1543 **KITX** 95.5 OK Hugo, ID c/w mx

1546 **KMAG** 99.1 AR Fort Smith, c/w mx

1552 **KKAJ** 95.7 OK Ardmore, c/w, mx

1600 **KSOZ** 90.5 MO Pt.Lookout, with wx, ID

1605 **KEBC** 94.7 OK Oklahoma City

1610 **KAYI** 106.9 OK Tulsa, K107, strong thru local sidebands

1616 **KLTE** 101.9 OK Oklahoma City, o/WAVT, K-Lite

1623 **KEYN** 103.7 KS Wichita, ID, oldies

1624 **KTFX** 103.3 OK Tulsa, wx rpt

1637 **KRZZ** 96.3 ?? (Harry, it is Derby, Kansas-gc)

1639 **KUEZ** 99.3 TX Lufkin, playing the EZ favorites

1705 **KQUS** 97.5 AR Hot Springs

1800 **KCBI** 90.9 TX Dallas, rr

2235 **KUTT** 99.3 NE Fairbury, c/w, Stereo 99, no calls

had extensive movie report.

8 Tr

2241 **WKYE** 95.5 PA Johnstown, strong at 200 miles

2257 **WDSY** 107.9 PA Pittsburgh, c/w, very good at times, 260 mi

2309 **WAMO** 105.9 PA Pittsburgh, jazz program, poor to fair

2309 **WSHH** 99.7 PA Pittsburgh, v/strong, Wish 100, soft rr

2338 **WVXP** 100.7 PA New Kensington, Mix-Jams, Pittsburgh;s

New Jamming 100.7, strong clobbering WFMZ.

21 Tr

2324 **WFRB** 105.3 MD Frostburg, c/w, country leader, 250 mi

2346 **WAMO** 105.9 PA Pittsburgh, Hot 106

2351 **WGTY** 107.7 PA Gettysburg, Country 108 at 120 mi

22 Tr

0027 **WQWK** 97.1 PA University Park, 97 Quick, The Rock of

Lion Country, hard rr, good at times, @ 110 miles

0118 **WFXX** 99.3 PA S.Williamsport, oldies the New Fox, all

other Williamsport locals came up at this time also.

GEORGE SHERMAN

MAY 29 Es cont
 1100 KFLQ 91.5 NM Albuquerque, g
 1112 KCRS 103.3 TX Midland
 1125 KRFM 96.5 AZ Show Low, r
 1136 KFOQ 102.7 TX Merkel, r, Fox 102.7
 1143 KORQ 100.7 TX Abilene, r
 1144 KTLC 99.7 TX Tye, r
 1152 KRKZ 93.5 OK Altus, r
 1216 KANW 89.1 NM Albuquerque, ID
 1249 KNEV 95.5 NV Reno, ad
 1344 KSOP 104.3 UT Salt Lake City
 1346 KSHA 104.3 CA Redding, b
 The Music Mountain, State #47
 1355 KTAK 93.9 WY Riverton, news
 1400 KLCI 96.9 ID Nampa, Rock 97, the Capital
 Cities best music variety.
 1407 KJOT 105.1 ID Boise, J-105, woman DJ
 named Murphy Collins
 1943 WGYL 93.5 FL Vero Beach
 1947 WQLM 92.7 FL ???, EZL\$

May 29 Es cont
 2122 KHRN 94.3 TX Hearne, ad,wx, Nice and Easy K94
 2016 KQLD 106.7 LA Pt.Sulphur, Oldies 106.7
 (George, note the calls are now KQLD-gc)
 2051 WZZR 92.7 FL Stuart, Z-93
 2100 WMFQ 92.9 FL Ocala, UPI news
31 Es
 1847 WEEJ 100.1 FL Port Charlotte
 1850 WTRS 102.3 FL Dunnellon, k, Proud Country
 1855 WKTK 98.5 FL Crystal River, thru local!
 1859 WKGR 98.7 FL Ft.Pierce, r
 1857 WQEZ 99.3 FL Fort Myers, Light and Easy 99
 1940 WOOF 99.7 AL Dothan, Woof-FM
 1950 WAGH 98.3 AL Ft.Mitchell, Magic 98.3 (Note calls-gc)
 2030 WMPR 90.1 MS Jackson, g talk
 2042 KZMZ 96.9 LA Alexandria, r, The Power Station
 2045 KMDL 97.3 LA Kaplan, k\$
 2052 KNOE 101.9 LA Monroe, \$, TV-8 ad
 2102 KVNE 89.5 TX Tyler, wx, ID, Total Christian Radio,\$
 2103 WMAU 88.9 MS Bude, all MS net IDs

GREG CONIGLIO - 5100 GLENWOOD DR - WILLIAMSVILLE, NY 14221

Equipment: See previous VUD's. Pioneer TX9100 now modified with 4 150 khz filters.

JUNE 1990 DX

16 Tr
 0901 WWWW 105.5 OH Sylvania, rm 285
 0910 WBTU 93.3 IN Kendallville, k\$, calls 348
 0921 WBNQ 100.9 OH Bryan, talk show, then
 rm\$, ID with WQCT-AM 313
 0925 WOTL 106.3 OH Ottawa, rp\$, Power 106 304
 0937 WBYR 98.9 OH Van Wert, The Bear, ro\$ 330
 0950 WRSW 107.3 IN Warsaw, r\$, call, 382
 1038 WKLL 94.9 NY Frankfort-Utica, o\$, o/CKQT 180
18 Tr\$ WDCX 99.5 off the air-thunderstorm
 logged new CIME-PQ as well as WGAR,WJBR,CJBC
 nothing IDed from needed WGAY,WGY,WBAI

19 Es
 1830 WZZR 92.7 FL Stuart, r\$, Z-93 1098
 2051 WKIS 99.9 FL Boca Raton,Kiss,k\$, o/CKFM 1152
 1902 WXDJ 95.7 FL Homestead, Radio Ritmo, SS\$ 1210
 1906 WHYI 100.7 FL Ft.Lauderdale, Y-100, top 40\$ 1168
 1915 WPOW 96.5 FL Miami, crossover o/WCQA
 finally logged!, Power 96 1190
 1919 WZMQ 103.9 FL Key Largo, Spanish 1238
 1920 WWUS 104.7 FL Big Pine Key, local ads 1262
 1925 WRTQ 98.3 FL Goulds, SS\$ o/CFLY
 1921 WIRK 107.9 FL W.Palm Beach, k\$, calls 1122
 1924 WRME 97.9 FL W.Palm Beach, rm\$ 1122

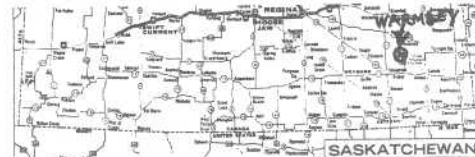
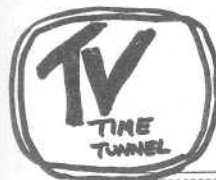
JULY 1990 DX

3 Tr
 1040 WDXC 101.1 WI Green Bay, top 40, strong signal 472
 1043 WRVM 102.7 WI Suring, g\$ 504
 1046 WJBD 92.3 MI Ishpheming, k\$ 500
 1048 WDOE 93.9 WI Sturgeon Bay, calls, lcl spot 448
 1052 WMYX 99.1 WI Milwaukee, Mix 99, rm 460
 1056 WIKB 99.1 MI Iron River, local ads 533
 2350 WFRB 105.3 MD Frostburg, k\$, calls 231

4 Tr
 0030 WSHW 99.7 IN Frankfort, Shine 99, a/c 440

6 Es
 1104 WCKW 92.3 LA LaPlace, classic rock 1130
 2100 KHBM 93.5 AR Monticello, r\$, legal ID 952

Many more were heard on July 8th, but report has been shortened to fit this page. Thanks to my brother who helped out with the skip on July 7 and 8 when I was not home. I was in Batavia the 8th and had stuff over Buffalo locals on the car radio!! Report will continue next month, with some skip July 19th, and the Perseid meteor shower being some of the hi-lites. Thanks to Michael and Shirley Wimer for hosting a great convention! I really had a good time at WTFDA Manassas '90; it was nice meeting all of you. I hope I will be able to make it next year as well....Keep an eye out for that fall trop, any day now!!



Submitted by Tom Bryant
 249 Todd Preke Dr
 Nashville, TN 37221

WHY YOU CAN'T FIND WARMLEY, SK ON A MAP

NICE NAME..BUT WHERE'S THE TOWN!: Anyone who's been lucky enough to get CFSS-tv (3) in Warmley, SK has likely had a devil of a time figuring out what it was and where it was. It's still not listed in the 1990 Broadcasting Yearbook! Here's the scoop! In November of 1978 it was decided to expand service to the Weyburn/Estevan region. This necessitated changing CKOS-tv to channel 5 and moving the channel 3 transmitter south almost 150 miles to a location about 20 miles west of Carlyle Lake (and 12 miles north of Kiseby, SK). **This is the location of Warmley.** The channel change in Yorkton averted a short-spacing problem that would have come up had 5 been dropped in at Warmley..Fringe CCI with CKX-tv (5) in Brandon, MB. Up in Yorkton the channel 5 drop-in worked fine since the closest operation on 5 was CKBI-tv in Prince Albert; well beyond the limits of fringe CCI and short-spacing headaches. The re-location of 3 to Warmley was also problem-free.

OK...SO WHAT'S THE DEAL ON WARMLEY? I've never been able to find Warmley on a map. Even the official SK Highway Dept. road map denies the existence of such a place! It doesn't show up on old (mid 30's) CN and CP rail maps. Why? There is no town named Warmley...any more! Apparently there was a community by that name MANY years ago, but few traces of the settlement remain today. Why this ghost town was selected as the city of license for a television transmitter is not known.

THERE'S MORE: At the same time the CFSS-tv call was moved from channel 7 to the new channel 3 (continuing to run CKOS-tv and CBC programming as well as a few locally originated shows); channel 7 switched calls to CIEW-tv and became a semi-satellite of channel 10 from Yorkton airing CTV network fare along with limited local originations. Until a few years ago these two stations operated from separate transmitter sites... Carlyle Lake (7) and Warmley (3). An ice storm wiped out the channel 7 tower and that operation was moved to the higher terrain of the channel 3 site (near Moose Mountain..highest point in Southeastern Saskatchewan). That move did not necessitate a city-of-license change..thus CFSS (3) and CIEW (7) operate from the same tower yet are licensed to Warmley and Carlyle Lake, respectively. Data supplied to TV Factbook further confuses the issue since CFSS is listed as Estevan-Weyburn-Regina; and CIEW is listed as Estevan-Weyburn. Neither of the correct cities of license appear in Factbook's Saskatchewan listings; however they do show up in the Canadian allocation table in Volume 2.

UPDATE: With it's transmitter located near the geographical center of the continent, CFSS-tv (3) in Warmley is a frequent catch of DXers in most areas of the U.S., as well as Eastern and extreme Western Canada. The evolution of ownership has seen this company develop from locally owned and operated 'Yorkton Television, Ltd.'; to a regional group known as Shamrock Television System, Inc. (along with CKBI-tv and CIPA-tv in Prince Albert, SK). Shamrock, in turn, comes under the umbrella of Toronto-based Baton Broadcasting which also owns CKCK-tv and CFQC-tv in SK; and CJOH-tv and CFTD-tv in Ontario.

CONCLUDING THOUGHTS: I realize this has been a complicated story and I hope you haven't been too confused (or bored) with an overkill of details. It struck me as an interesting subject not only because of all the channel additions and swaps...but because of the city of license that doesn't really exist; Warmley, Saskatchewan!

NEXT MONTH: Share the DX experiences of Bill Eckberg.

DIGITAL RADIO: "THE SOUND OF THE FUTURE"

BY J. JOEL ROSENBERG, M.D.

Introduction

For a number of years, broadcasters have been concerned about radio quality differences between AM & FM. Also, FM has had its own problems with multipath, adjacent channel interference, mobile fading and distortion, and few allocations remaining. Consumers have developed increasing expectations for audio quality.

One system for Digital Audio Broadcasting has been developed in Europe.

This summer (1990), a joint effort by the Canadian Association of Broadcasters, the CBC, and Communications Canada (DOC) have been travelling across the country with public demonstrations of Digital Radio (DR).

Technical

CANADIAN DEMONSTRATIONS OF TERRESTRIAL DIGITAL RADIO BROADCASTING

There is a series of steps whose components result in the digital broadcast.

The source of digital information, at the studio, is quantized at 16 bits.

A sampling rate converter produces a 48 KHz flow (providing the 768 kbit/sec. required for a mono channel).

Next, a Masking-pattern-adapted Universal Sub-band Integrated Coding and Multiplexing (MUSICAM) Encoding System reduces the source bit stream by a factor of six, while maintaining quality. Thus, the 768 rate is reduced to 128. This reduces the bandwidth required for the transmission. (A rate as low as 64 kbits/sec will maintain near CD quality and 192 allows additional signal processing.)

The Coded Orthogonal Frequency Division Multiplex (COFDM) encodes the bit stream prior to transmission to minimize errors and overcome multiplex problems. Sixteen (16) stereo sources are multiplexed on to one 7 MHz transmission channel.

Multipath is overcome by dispersing successive bits in both frequency and time in COFDM encoding. This multiplexing creates 448 overlapping but equally-spaced carriers over the 7 MHz bandwidth. To prevent multiple reflections interfering on any given carrier, a guard band of 16 us is added to the "symbol" period of 64 us. As long as the multipath delay is less than this, the symbols arrive cleanly.

If some areas are completely blocked from the transmitter, "Gap Fillers", low power relay transmitters, are used - with an isolation of at least 20 dB more than the system gain to avoid feedback. These Gap Fillers can operate on the same frequency as the main transmitter because their signal is received like just another reflection and treated normally by the decoder-receiver.

A local oscillator mixes with the COFDM to produce the desired carrier frequency. The DR system can be compatible with any frequency between 100 MHz and 2 GHz. The ERP necessary for each of the 16 potential channels is only 100 watts (10 watt transmitter with antenna gain of 10).

The Toronto transmission used a 1 kw UHF transmitter, modified to use only the power stages. Then, on through a cavity filter, along the 1 5/8 inch foam heliack transmission line to the 2-Bay vertically polarized antenna.

The Demonstration

Public demonstrations of DR took place in Ottawa during early June, in Toronto July 5 to 15, Montreal July 31 to August 8, and in Vancouver in late August.

In Toronto, it was set up in a mid-town office and also a mobile demo in a specially equipped van. The latter contained an AM-FM receiver with speaker and headphone systems plus decoding equipment. The "bus" would take groups of 12 - 14 listeners on a driving tour of downtown Toronto.

The music sources were routed through CBC Studio H, sent by fibre-optic cable to the CN Tower where Rogers Cable set up the transmitting equipment. The Communications Canada Research Centre also had a test van for feeding the fixed site and for mobile field strength testing.

Listeners had a variety of music to compare DR to conventional broadcasts.

DIGITAL RADIO

Six hour sets of a variety of Toronto AM & FM stations were rebroadcast on 99.1 MHz (This frequency is the only currently available in Toronto thanks to the demise of CKO in Nov/89). Transmitter power was 1 kw. with a gain of 3 from the CN Tower antenna, for a 3 kw. ERP.

On Friday July 6, I first discovered CKEY-AM 590 on 99.1 while scanning the band during a skip opening. (A couple of years back, they had unsuccessfully attempted a freq. switch with CKO and now I thought they had pulled off a coup with the CRTCI!)

The bus passengers even had the choice to select any piece of music from the CBC studio. On one occasion, I heard a Strauss Waltz cut into a CJEZ-97.3 rebroad. Comments received by engineers were that many passengers believed that there was a CD player hidden aboard the bus, the DR signal was so clean.

The DR signal in Toronto was broadcast at 798 + 3.5 MHz (over channels 68 & 69) with a 1 kw. transmitter, directed north up Yonge Street, with bisects the city, resulting a tear-drop shaped coverage area. At only 10 watts, with antenna gain of 10, the signal produced was clean and consistent; but, it quits at 8 dB carrier to noise ratio. I spoke to one of the engineers involved in the experiment, who told me he drove north up Yonge St. with a decoding system. He abruptly, within a few hundred yards, lost the perfect signal in Newmarket, approximately 30 miles (48 kilometers, for you metric fans) north of the CN Tower.

One evening, during an opening of lake tropo, looking for WSYT-68 Syracuse, 180 miles away, I noticed some "interference". A couple of days later, when I found out about this experiment, I learned that this was the DR signal. The screen had a whitish background, with about 30 horizontal lines having a slight moving or fading appearance, I took some photos off both Ch. 68 & 69, and, if they turn out well, I will send them to "Photo News" to publish in a future VUD.

Due to the experimental nature of the test, the broadcast signals on ch. 68-9 and FM 99.1 were not assigned call letters, according to the engineer.

Upon completion of this demonstration in Vancouver, the equipment will be returned to France.

The Future

An international meeting, the World Administrative Radio Conference, sponsored by the International Telecommunications Union, will be taking place in Spain in 1992. There will be a group lobbying for a frequency allocation for DR that can be delivered by broadcast stations and by satellite. Therefore, the purpose of these demonstrations has been to create public demand for DR. If it is accepted, it is hoped that DR will be in place in 1994 or 95.

The broadcasters expect a phase in period of 10 years, coexisting with conventional radio until the latter is phased out. The increasing demand for DR will be expected to greatly lower the cost of the appropriate consumer audio products.

What does this mean for us DXers? Many questions come to mind. Will the UHF band be cut into further for DR assignments? Will AM-FM DXing come to an end? Will DR DXing be possible or will receivers be market selective?

We'll have to wait and see!

To quote Toronto radio commentator Dick Smythe in his Toronto Sun newspaper column of July 10, 1990, "And sadly, no longer will we experience the nighttime romance of distant stations calling across the purple sky."

Postscript

I hope that I have summarized the DR material which was made available to the public, in an accurate and understandable manner. If I have made any errors, feel free to contact me!

73's,

And lets keep DXing while we still can!

Joel

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Richmond Hill, Ontario
L4B 2W3
H: (416) 884-8454 B: 469-1149

SPECIAL REPORT

THE FM BAND FROM THE TOP OF WHITEFACE MOUNTAIN IN NORTHERN NEW YORK STATE'S ADIRONDACKS -- WHERE "NORMAL" CONDITIONS SOUND LIKE A MAJOR TROPO OPENING!!!

PETER Q. GEORGE - 24 COLUMBIA ST. APT 1-F, BROCKTON, MASSACHUSETTS 02401

LOCATION: Whiteface Mountain, New York (4683' ASL), Lake Placid, New York

TIME: August 9, 1989, 1500-1700 EDT

\$ = stereo

88.1 CBEE ON Chatham

88.7 WRVT VT \$ Rutland

89.1 French UnID (CKRL Quebec?-gc)

89.5 WSLU NY \$ Canton

89.9 WRVO NY \$ Oswego

90.3 CKUT PQ \$ Montreal

90.5 WSLN NY \$ Saranac Lake

90.9 WSLO NY \$ Malone

91.7 CBMB PQ Sherbrooke

91.9 CBF9 PQ Mont-Laurier

92.1 CJDM PQ \$ Drummondville

92.5 CFQR PQ \$ Montreal

92.9 WEZF VT \$ Burlington

93.1 CKCU ON \$ Ottawa

93.3 French unID (Quebec City?-gc)

93.5 CBM-FM PQ \$ Montreal

93.9 CFMO ON \$ Ottawa

94.3 CKMF PQ \$ Montreal

94.9 WHOM NH \$ Mt. Wash-ington

95.3 WXXX VT \$ So. Burlington

95.5 CBOC ON Cornwall

95.9 CJFM PQ \$ Montreal

96.3 CFMK ON \$ Kingston

96.5 WCMF NY \$ Rochester

96.9 CKOI PQ \$ Verdun

97.1 WRUT VT \$ Rutland

97.7 CHOM PQ \$ Montreal

98.1 CBON ON Sudbury

98.3 CFLY ON \$ Kingston

98.5 CIEL PQ \$ Longueuil

98.9 WQCR VT \$ Burlington

99.3 WSNN NY \$ Potsdam

99.5 CIME PQ \$ Ste. Adele

99.9 WGFB NY \$ Plattsburgh

100.3 WHEB NH \$ Portsmouth

100.7 CBF PQ \$ Montreal

101.1 CBF10 PQ \$ Sherbrooke

101.7 WDGE NY \$ Saranac

102.1 CBOF7 ON Brockville

102.3 WLFE VT \$ St. Albans

102.5 CBOF ON \$ Ottawa

102.7 CITE1 PQ \$ Sherbrooke

103.1 CFMF PQ \$ Fermont

103.3 CBO ON \$ Ottawa

103.7 CHXL ON \$ Brockville

104.1 CKTF PQ \$ Gatineau

104.5 CFLG ON \$ Cornwall

104.9 CBBA ON Brockville \$

(They're on?-gc)

105.3 CKBY ON \$ Ottawa

105.5 WLPW NY \$ Lake Placid

105.7 CFGL PQ \$ Laval

106.1 CHEZ ON \$ Ottawa

106.5 CFEI PQ \$ St. Hyacinthe

106.7 WIZN VT \$ Vergennes

106.9 CKO1 ON \$ Ottawa

107.3 CITE PQ \$ Montreal

107.5 CBCK ON Kingston

107.7 WGNV NY \$ Albany

107.9 WVPS VT \$ Burlington

I took a journey to the Lake Placid region of the Adirondacks. Whiteface Mountain (4683' ASL) just happens to be located in that area. In addition to the brilliant Meteor Scatter I was able to hear, I was able to drive to the top of the mountain and take in some of the best high altitude DXing I have ever been able to hear in some time. Just take a look at my bandscan. All you need is a good quality car receiver...

LAYOUT: GREG CONIGLIO

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WTFDA member ads only. Items may be edited to conserve space.

FOR SALE - M Street Journal Radio Directory, first edition, about 9 months old, for sale at half price: \$15 post paid. A complete listing of US and Canadian AM and FM stations with full station addresses and phone numbers. Stations are listed by state, call letters, frequency, and ratings market, along with some radio history and other goodies. An excellent second reference and companion to FM Atlas, a must for QSLers. Please send money order to: Radio Guide Book, 154 Old Post Road North, Croton-on-Hudson, NY 10520-1932.

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I will pay up to \$50 for any large quantities of above publications.
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Bruce F. Elving - Box 336 - Esko MN 55733-0336

FOR TV TAPES COLLECTORS - Members who would like to collect TV tapes from all over the world, as well as those interested in educational tapes, should look into video-club of the University St. Maria, all our services are without charge. Send us a tape, Beta or VHS (in NTSC) recorded with youth, music and entertainment shows from Australia, Canada, USA and Europe. We'll send back your tape recorded with material according to your choice. Please write to:
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Rich Wertman - 6150 Crosby Rd. - Lockport NY 14094 (716) 433-0805

WTFDAers: YOUR ad can appear in the VUD free of charge! Got a piece of DX gear you'd like to sell? Looking for something? Advertise in STATION BREAK. This feature appears on a space available basis. WTFDA and the VHF-UHF DIGEST assume no responsibility for any claims made by advertisers--our trust is implicit, as fellow DXers.

FEEDBACK

MEMBER COMMENTS ON
SPELLING AND COLUMN TYPE
STYLES IN THE V.U.D....IS THE
BULLETIN HARD TO READ?

I want to complain about too many different type styles in the V.U.D. I realize that all editors are volunteers each with with different models of printer or typewriter so I guess that means that no two columns are going to look exactly the same, but..the print in many of the columns is MUCH too small, and is not consistent from column to column, sometimes from page to page! Does this make the book easier to read? Wrong. It makes it HARDER to read. I know there are other DX clubs and bulletins...do all of them look like this?

An example: NORTHERN FM -- full of good stuff and with many interesting items but why does the type style change with every other page? FCC FM and TV NEWS really cram info onto the pages, this makes them sometimes hard to follow. You can get used to it after a while, but I see other things that drive me nuts, like ITALICS in the QSL/LOGO column that are not needed (Italics are unreadable when they are very small.).

And please realize that computer-style "dot matrix" type belongs on utility company bills -- it is too "impersonal" in a monthly magazine. I enjoy all the editors' dedicated efforts and I appreciate they are amateurs, so don't get me wrong, I'm not out to "knock" them. VUD apparently has standard abbreviations, so why not a standard typestyle for the columns, if such is possible? If I'm going to send in a report I want it to be readable, and if I did a column I would make sure EVERYONE could read it!

--Robert Twomey, Amsterdam NY

Why is basic spelling important in the VUD? There are at least two reasons:

1. A reader of a sample issue (and a potential club member) might think that if the column editors spell or write like that, this must truly be a club of illiterates that he or she wouldn't want to join.

2. A column contributor might become annoyed that his name is misspelled or his (or her) intelligent comments are butchered by the editor, and might not contribute anymore.

The solution? Simple:

1. PLURALS NEVER TAKE APOSTROPHES.

Using "150s" as an example muddies the waters because many people use an apostrophe in this situation even though it's usually considered incorrect. This dispute, however, is not an excuse to use apostrophes everywhere.

2. THE WORD "ITS" NEVER (NEVER!) TAKES AN APOSTROPHE EXCEPT WHEN IT'S A CONTRACTION FOR "IT IS."

That's because "its" is already a possessive like "his" or "her" and does not need an apostrophe like "Bill's" or "Debra's." Also, there is no such word as "its'!"

3. MOST CLUB MEMBERS PREFER THAT THEIR NAMES APPEAR CORRECTLY IN THE VUD.

Examples: Keith (not Kieth) Pugh, Eric (not Ed) Fader, Matt Sittel (not Sittle), and Bill Burrow's (or Burrows') house (not Bill Burrow's house). Try checking the signature or return address to see how the contributor spells his own name.

4. IF YOU'RE NOT SURE HOW TO SPELL DIFFICULT (OR SIMPLE) WORDS, BUY (AND USE) A DICTIONARY.

It will cost you about \$3.95 and will probably help your personal correspondence, too.

FOLLOWING THESE SIMPLE RULES WILL MAKE FOR A BETTER-LOOKING VUD AND, MAYBE, A HEALTHIER CLUB!

--Eric Fader, New York NY

WELCOME TO KNOXVILLE



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OCTOBER 5, 6 AND 7!

Every year, thousands of people come from miles around to see fall in the Great Smoky Mountains. This year there's another reason -- the 1990 *Monitoring Times* Radio Convention. Plan on spending the weekend of October 5th, 6th and 7th with your friends from *Monitoring Times*!

Check in to your room at the Holiday Inn-World's Fair Friday or Saturday. Then wander on down to the Grove Enterprises hospitality suite. It's open 24 hours a day. Grab something to drink and talk with some of your favorite *Monitoring Times* columnists. Have a chat with a shortwave broadcaster from the other side of the world. Or compare notes with fellow listeners. We'll keep the coffee on 'til the wee hours.

On Saturday morning, browse among the exhibits. It's your chance to see firsthand some of the hottest equipment and products in the industry and meet the professionals who make the radio business tick. Or join members of the International Radio Club of America (IRCA), a top-rated broadcast band (AM) club, as they hold their annual convention.

EVERYONE'S WELCOME!

Later, choose from some of the dozens of workshops, seminars and talks being presented by some of the biggest names in radio. Build an antenna. Find out how to hear exotic shortwave stations like a pro. Attend a hands-on scanner modification workshop. Learn about the excitement of military communications. For beginner or expert, from

one end of the radio spectrum to the other, it's all here.

Make plans to attend. Registration is a very affordable \$30.00. Space may be limited. So reserve your place today by sending your check or money order to *Monitoring Times* Convention, P.O. Box 98, Brasstown, NC 28902. (No credit cards, please.) Special discounts on airfare are available from Delta, the official airline of the 1990 *Monitoring Times* convention, and Holiday Inn. (Rooms will be \$50.00 a night; \$30.00 a night if you share with another person.) Do not include money for accommodations at this time. You will receive additional information along with your confirmation letter. Sign up now and assure yourself a place at the radio event of the year.

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