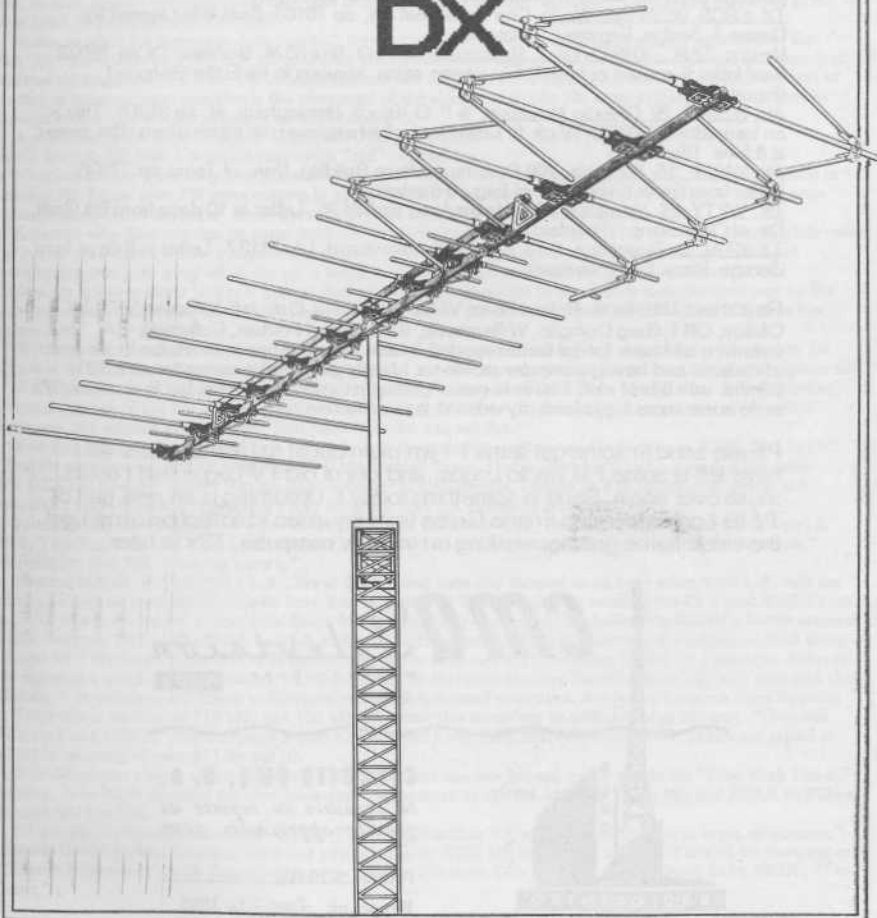


Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

AUGUST 1991

IT'S TIME FOR TROPO DX



WORLDWIDE TV-FM DX ASSOCIATION
POST OFFICE BOX 514-BUFFALO, NY 14205-0514-U.S.A.

OPINIONS EXPRESSED IN THIS PUBLICATION ARE THOSE OF THE INDIVIDUAL CONTRIBUTOR AND DO NOT NECESSARILY REFLECT THE VIEWS OF THE PUBLISHER OR BOARD OF DIRECTORS. WE RESERVE THE RIGHT TO EDIT MATERIAL TO MEET PUBLISHING STANDARDS. UNLESS PREVIOUSLY AGREED UPON IN WRITING, ALL MATERIAL SUBMITTED FOR PUBLICATION IN THE VHF-UHF DIGEST BECOMES THE PROPERTY OF N.T.F.D.A.

REPRODUCTION OF MATERIAL FROM THE VHF-UHF DIGEST WITHOUT PERMISSION OF N.T.F.D.A. IS PROHIBITED. INDIVIDUALS AND OTHER ORGANIZATIONS ARE GRANTED SUCH PERMISSION PROVIDING PROPER CREDIT IS GIVEN TO THE SOURCE.



first class mail

11/91
WILLIAM N NOLLMAN
35 NYE ROAD
GLASTONBURY CT 06033



QSL CORNER & LOGOS RUN

Thomas J. Yinzine, Jr. K3TCC, 221 Dinewood Road, Baltimore, MD 21222-2340

IN WEZK 97.5 Knoxville, Box 3766, zip 37817. Send back prepared qsl card back in 8 1/2 months! The signer was Paul Cilian, Pgr. Dir. (Ross)
NY WGMG 90.1 Greece, % Box 300, North Greece, NY zip 14515-0300. PFC & letter from R.B. Lee Rust. Operations came back in 2 weeks. (Ross)
ONT CBOF 90.7 Ottawa, Box 3220, Stn. C., zip K1Y 1E4. Send back in 2 weeks my prepared card signed by Chantal Grenier. (Ross)
MI WDBL 107.3 Tawas City, 1175 South U.S. 23, zip 48763. Send back my PFC in 2 weeks signed by Donald Backus, GM. Also send sticker. (Ross)
ONT CJSB 94.3 Thunder Bay, 87 North Hill Street, zip P7A 5V6. Letter & bumper sticker in 2 weeks from Tim Goebel, PD. & mentions of power of 95kw from atop Mt. Baldy, and that he is also a dier. (Falconer)
NY WBEE 92.5 Rochester, 500 B. Forman Bldg, Midtown Plaza, zip 14604. Letter and coverage map in 14 days from Herb Petrie, CE. (Falconer)
NY WKIX 98.9 Rochester, 259 Monroe Ave, zip 14607. Letter in 18 days from Michael Bostie, CE. He mentions ERP of 37kw at 172 m HAAT (155m AG). Uses Harris FM-25k transmitter at 21kw output to an ERI FMH-4AE four bay circular polarized antenna. Antenna is located at SE leg of a tower leased from WRRM-103.3. (Falconer)
IL WSSU 91.9 Springfield, Sangamon State University, zip 62794-9243. Sent letter, bumper sticker & transmitter info fairly quickly signed by Jim Dunn, CE. (Conglio)
IL WHMS 97.5 Champaign, Box 3939, zip 61826-3939. Send very friendly letter & package of promo items from Judy Duncan, no title. (Conglio)
TX KSCS 96.3 Forth Worth, One Broadcast Hill, zip 76103. Sent letter signed by Duane A. Sedge, Engineer. (Conglio)
Mexico IAM XHRD-TV 2 Matamoros, % P. O. Box 5074, McAllen, TX zip 78502. Sent letter & souvenirs from C.E., whose name appears to be Eddie Gongond. (Fountain)
AL W2BAO 29 Cheaha Mountain, % P. O. Box 6, Birmingham, AL zip 35201. This is an translator of WBRC-TV ch. 6. Letter from chief engineer, no name given. The power is 8.5kw. (Fountain)
IN WKOP 15 Knoxville, 209 Communications Building, Univ. of Tenn. zip 37996. Letter from Gene Knight, Dir. of Eng. (Fountain)
IN WPTY 24 Memphis, 2225 Union Ave., zip 38174. Letter in 10 days from Bill Graff, Dir. of Operations. (Fountain)
TX KTAL 6 Texarkana, P. O. Box 7428, Shreveport, LA 71137. Letter in 8 days from George Tracy, CE. (Fountain)

Reporters this time: Robert Ross, VE3JFC, London, Ont; Jeff Falconer, VE3LSK, Clinton, ONT; Greg Conglio, Williamsville, NY; Howard Fountain, Cumming, GA. This column is all I have for qsl items reported. I have missed a few months due to the lack of material and having computer problems. I finally got my new computer as a 386 33mhz. with lots of stuff. I have hopes of getting a video frame grabber to do video id's to do some more logos from my video id tape collection.

Please send in some qsl items! I am plum out of qsl items to use. All I have left is some FM Radio Logos, and lots of old TV Logos that I could reuse over again. Send in something today! Upcoming is an new part of TV ID Logos, is Video Frame Grabs from my video id collection once I get the video frame grabber working on my new computer. 73's to later.



CMQ Televisión
 HABANA - CUBA CANAL 6

CIRCUITO CMQ, S. A.
 le agradece su reporte de
 greatly appreciates your

Fecha: CMQ Canal 5
 Report of: June 23, 1995

RADIOCENTRO

KC FM NEWS

Bruce F. Elving, Ph.D., Editor
 Box 24
 Adolph MN 55701-0024, U. S. A.

Contributions—especially about new stations broadcasting in stereo—welcomed!!!!

FM Intermod Comparisons; New Sources of Selectivity Filters? Phase Cancelling Techniques Pay Off for NY DXer and Other Reports

During July I had the fun of playing with a tuner Doug Allen had modified for more selectivity, an older Sansui. I was impressed that it received very little interference or intermod when the antenna was pointed at the Duluth locals 22 km away, and line-of-sight. I could get Thunder Bay ON and Ontonagon MI, which my Magnum Dynalab FT-101A could not. I explored the inner workings of the Sansui and even removed a metal shield over part of the FM section and tried it without that shield and the tuner's cover—still the same good intermod rejection. That tuner had four IFilters, not three like my Magnum has. I believe Doug put in 105s in all four slots. Resultant sensitivity was a bit worse than mine, but selectivity was slightly better. At this point I am not saying using a tuner with four or more IFilters will give you better local station overload rejection. I think it good, however, to test tuners and receivers for this, and DXers might want to check different ones that they have the opportunity to compare side-by-side with their own. The Sansui I played with was a model TU-919, into which I put an FM-SCS circuit. Doug writes: "Sure hated to part with this one! It's very similar to the better Pioneers of the late '70s, but also has digital readout and a very good AM tuner—quite a combination. I will continue to sell modified tuners, as available—mainly the Pioneer 8500, 9100, 9500, 9800 series—and would appreciate any plug you can give me. I will, in turn, suggest that customers buy your SCA products and other services." You can contact Doug at PO Box 5646, Woodland Park CO 80866.

Noise, or what the layperson dubs "static," may actually help bring in the DX, so alleges an article in the Feb. 23 "Science News," which R. Sabella sent. DXing is not mentioned, but we all know it is good to have that infernal muting shut off so that the weakest stations can be heard while DXing. An unfortunate concomitant of muting in many modern receivers is the placement of the stereo control on the same switch, so DXing must be done in mono, save for the strongest stations coming in.

A nonDXer in PA sent word that WJMA-FM Orange VA clings to 96.7, not yet moving to 98.9. So you'll want to DX that AM simulcaster on its "old" channel for now.

It's good to hear from long-time DXer Rod Luoma: "Must be years since I saw you at the convention in Lansing MI. Enjoy your FM news column in the VUD. Got a '91 Honda with a pretty good radio and I hope to make good use of the Atlas when traveling to New York Mills MN in a few weeks."

A person who does not sign its name from CA mentions that computers and DXing are often incompatible—even car radios are plagued by the computers in modern vehicles. "The problem can be recognized as cochannel interference that goes away when the car is turned off and appears at certain frequencies on the dial. Car dealers are not very likely to know how to deal with it, and complaints to the vehicle manufacturer may be the only recourse. . . They may have some fixes available." I have never noticed such problems, but if anyone has, please share.

Although skip has not been plentiful this year, John Jefferson's noticed a fair amount of short skip. He tells that KCHQ 101.3 Altamont OR is on air, but was low power until mid-July; not known if stereo or not.

Jim Wishner sent an article on the politics of selecting a winner for FM 107.5 in Des Moines. After spending a virtual fortune to get the original grant rescinded, gay activist Rich Eychener has emerged the winner. Rod Sorenson, the original grantee, said "four years in limbo was not fun."

Karl Zuk called and said WBAI was off July 4 in the morning and he was able to tune in WJBR 99.5 in DE. I had the pleasure recently of meeting WTFDAer Randal Trapp, Dodge Center MN, who attended the same MN DX Club meeting where I was the guest speaker—in Minneapolis. I spoke on FM DXing, subcarriers and selectivity improvements: something I may do at the WTFDA confab in Dunkirk.

John Ebeling has sleuthed out some of the Caribbean FM scene—viz. Barbados BBS 90.7, Radio Liberty, \$, 98.1, Yess-Ten 4, \$, 104.1. St. Lucia: Faith FM 102 (101.9) on 5 p.m. to 10:30 p.m., "carrier on 24 hours." Martinique: One FM, "nothing known."

Howard Stern's on KLSX 97.1 L.A., live at 3 a.m. local time and delayed to an hour when most L.A. folk are awake, so says an item Bill Nienajadly sent. And it looks like WMCA won't be retaking the 92.3 spot WXRK's on in NYC, where Howard S. holds forth. Salem Media apparently backed out in challenging WXRK's license renewal. KESE Seligman MO now on 93.3, ex 95.3, still b, \$. KHCA Wamego KS, Bill believes, is the station on 95.3 using "Angel 95." He found many NYC FM transmitters off in June one day; problem caused by a defective diplexer. He reported a couple of new stations, on 92.3 and 107.5. He spoke to Jerry Beaudin from MI, who indicated that Murata is willing to sell filters to DXers/experimenters in small quantities. See below for more from Beaudin.

Toko filters are now in 110 kHz and 150 kHz versions—this according to a catalog page Bill sent. "They sell 110; now and 150s!!!" The company is Digi-Key in Thief River Falls MN; (800) 344-4539. Filters are priced at \$1.41 in quantity of one; \$11.99 for 10.

Bob Baker sent a story about too many FM stations and too few buyers, which was in the "New York Times," Sunday, June 30. It featured the time brokerage agreement by KWPM AM West Plains MO and KGAR in Willow Springs MO (an FM).

"A couple of changes you missed—WANV-FM 99.7 Staunton VA went to 50000 watts at begin of summer," chortles Gus Mancuso. However, their real power is a puny 3300 h.v, but at 516 m, gives it the 50 kw coverage at 150 m that they brag about. Gus is hearing new calls on Elizabeth City NC 93.7, now believed to be WKOC, "The Coast," r.

FM OPERATIONS IN THE CARIBBEAN AREA

(AS GLEANED FROM THE 1991 WORLD RADIO TV HANDBOOK)

Freq	Power	Slogan/Call	Country	Schedule (in UTC)
88.1		DBS Radio	DOMINICA	
88.7	250	WPRT Radio	TURKS & CAICOS	
88.9	21000	Friends FM	BELIZE	1600-1100
89.1	15000	ZBM-FM	BERMUDA	24
89.3		KLAS-FM	JAMAICA	24
89.3	250	WIV-FM	TURKS & CAICOS	24
89.9	10000	Channel 90	ARUBA	1000(1200Su)-0500
89.9	250	R. Cayman	CAYMAN ISLANDS	1100-0400
89.9		R. Caraibes	MARTINIQUE	24
89.9	250	WIV-FM	TURKS & CAICOS	24
90		ZIZ	ST. KITTS & NEVIS	1000-0400
90.0	10	Lighthouse	ANTIGUA	0925-0230
90.3	*	R. Progreso	CUBA	
90.5	20000	Supreme Sound	JAMAICA	24
90.5	250	WIV-FM	TURKS & CAICOS	24
90.7		BBS	BARBADOS	24
91.1	100	Friends FM	BELIZE	1600-1100
91.1	5000	R. Two	JAMAICA	24
91.5	13000	Fame FM	JAMAICA	24
91.7	10000	Z-Gold	BRITISH VIRGIN ISLANDS	1000-0400
91.9	250	R. Cayman	CAYMAN ISLANDS	1100-0400
92	300	RFO	MARTINIQUE	0800-0400
92.1	*	R. Rebelde	CUBA	
92.1	1000	R. Two	JAMAICA	24
92.5	250	WIV-FM	TURKS & CAICOS	24
92.5		R. Caraibes	MARTINIQUE	24
92.7	5000	Fame FM	JAMAICA	24
92.9	2000	Supreme Sound	JAMAICA	24
93.1	1000	R. Victoria	ARUBA	1200-0300
93.1	5000	BFBS	BELIZE	24
93.3	35000	R. One	JAMAICA	24
93.4		Gem R.	Saba, NETH. ANTS.	1000-2330(1700Su)
93.7	*	R. Enciclopedia	CUBA	
93.8	1000	GEM R.	MONTSERRAT	
93.9		VO Saba	Saba, NETH. ANTS.	
93.9	20000	R. Korsou FM	NETHERLANDS ANTILLES	24
94.3	10000	Z-Hit	BRITISH VIRGIN ISLANDS	1000-0400
94.4	20000	GEM R.	MONTSERRAT	
94.5	5000	Supreme Sound	JAMAICA	24
94.7	250	Radif. Boneriano	NETHERLANDS ANTILLES	1200(1300Su)-0200
94.9	1000	ZFB-FM	BERMUDA	24
95	50	RFO	MARTINIQUE	0800-0400
95.1	*	CMBF	Habana, CUBA	
95.1	20000	R. 95	TRINIDAD & TOBAGO	24
95.3		R. St. Martin	St. Martin, GUADELOUPE	1000-0500(0400Su)
95.5	4000	Z-FM	NETHERLANDS ANTILLES	
95.5	300	R. Caribbean Int	ST. LUCIA	24
95.7	500	Fame FM	JAMAICA	24
95.7	13000	Fame FM	JAMAICA	24
95.9	250	R. Reloj	CUBA	
96.1	1000	VO the Islands	DOMINICA	1015-0300
97.0	3000	RFO	GUADELOUPE	24
97.1	3500	R. One	JAMAICA	24
97.3	35000	R. One	JAMAICA	24
97.3		SLBS	ST. LUCIA	0925-0300
97.3	10000	Z-Wave	BRITISH VIRGIN ISLANDS	1000-0400

FM OPERATIONS IN THE CARIBBEAN AREA

97.7	*	COCO	CUBA	
97.9		R. Caruso Booy	ARUBA	
98.1	5000	Liberty FM	BARBADOS	0900-2300(0400FrSa)
98.1		R. Caribbean Int	DOMINICA	24
98.1	10000	Fame FM	JAMAICA	24
98.7	*	R. Cd. de Habana	CUBA	
98.7	2000	R. One	JAMAICA	24
98.7		R. Caraibes	MARTINIQUE	24
98.9	20000	NBS	TRINIDAD & TOBAGO	0845-0600
99.0		ZDK	ANTIGUA	0900-0504(0956Sa, 1426-0204Su)
99.1	3000	BFBS	BELIZE	24
99.1	1000	BFBS	BELIZE	24
99.1	300	R. Caribbean Int	ST. LUCIA	24
99.2		RFO	St. Martin, GUADELOUPE	24
99.5		SLBS	ST. LUCIA	0925-0300
99.7	1000	R. One	JAMAICA	24
100.1	100	Beacon	ANGUILLA	0900-0600
100.3	1000	R. Two	JAMAICA	24
100.7	*	R. Cadena Habana	CUBA	
101.1	2500	R. Caribbean Int	ST. LUCIA	24
101.2	5000		NETHERLANDS ANTILLES	
101.3	13000	Supreme Sound	JAMAICA	24
101.9	5000	R. Hoyer 1	NETHERLANDS ANTILLES	0930-0430 (1230-0330Su)
102	400	AFRTS	Guantanamo, CUBA	24
102.1		VO Life	DOMINICA	0900-0300
102.7	3500	PJD-3	NETHERLANDS ANTILLES	24
102.9	*	R. Metropolitana	CUBA	
103	50	AFRTS	Guantanamo, CUBA	24
103.5		R. Carina FM	ARUBA	
103.9	35000	R. One	JAMAICA	24
104.1		Yess Ten Four	BARBADOS	24
104.5	600	Supreme Sound	JAMAICA	24
104.5	13000	Supreme Sound	JAMAICA	24
104.7		R. Caraibes Int	St. Martin, GUADELOUPE	24
105.1	5000	R. Hoyer 2	NETHERLANDS ANTILLES	0930-0430 (1230-0330Su)
105.1	2500	R. Trinidad	TRINIDAD & TOBAGO	24
105.3	5000	R. Cayman	CAYMAN ISLANDS	1100-0400
105.7	250	R. Two	JAMAICA	24
106	250	R. Voix Chret.	St. Martin, GUADELOUPE	0845-0530
106.1		R. Caraibes	MARTINIQUE	24
106.7	1000	R. Kelkboom	ARUBA	1100(1400Su)-0200
107.1		ZNS-1	BAHAMAS	24
107.3		SLBS	ST. LUCIA	0925-0300
107.9		ZNS-2	BAHAMAS	24

* = According to Arnie Coro, RHC these are from 500 - 7500 watts ERP

Comments: Some stations have low-power relays that are not listed in the WRTH. Stations without a decimal frequency may be approximations. Curiously, the WRTH shows FM in Belize, but not other Central American countries. In the same manner, the FM operations of Spanish-speaking Caribbean islands are not shown in the WRTH. Stations from Mexico, Puerto Rico and the US Virgin Islands are not listed here because they are found in the FM Atlas. The absence of the stereo symbol (\$) only means that they are not listed as such in the WRTH,

I hope this list is helpful.

Jim Renfrew
61 Wilcox Street
Rochester, NY 14607

NORTHERN FM-DX

GREG CONIGLIO
5100 GLENHOLM DRIVE
WILLIAMSVILLE, NY 14221

For DXers in: MA, NH, VT, CT, MA, RI, NY, PA, NJ, OH, MI, IN, IL, WI, MN, IA, NE, SD, ND, MT, WY, ID, WA, OR, AK, Canada

AUGUST 1991 DEADLINE: The 5th LOG CUTOFF: 2 months from when mailed

Most DXers are disappointed with this summer's lack of activity. Skip especially has been lacking, perhaps due to the increased auroral activity, or stable weather patterns over the Midwest. There was good tropo in mid-May, and the period June 26-July 2 seemed to bring an increase in both Tr and Es, with 600+ mile Tr heard and several good Es openings. But before and after that period activity has been sparse. I hope there is some of that famous "Dunkirk Tropo" August 9-11!!!.....

PETER GEORGE (N1GGP) - 25 COLUMBIA ST 3RD FLOOR - BROCKTON, MASS. 02401

(508) 584-0374, no collect calls please. Receiver: Sony STR/VX750, with 150 khz filters. Antenna: Stacked Radio Shack Yagis (2) into RG8U coax into CM FM/TV amplifier

APRIL 30 Tropo

2336 WPKN 89.5 CT Bridgeport, \$, talk show
2339 WNEW 102.7 NY New York, Where Rock Lives!
2340 WFME 94.7 NJ Newark, Preaching in Stereo
2341 WQHT 97.1 NY New York, Hot 97, CHR, \$
2343 WKCR 89.9 NY New York, Jazz \$
2345 WNYC 93.9 NY New York, Jazz, begging \$\$
2347 WLSL 98.9 PA Philadelphia, Power 99
Jazz and R & B, \$

2358 WRKS 98.7 NY New York, 98.7 Kiss FM, UC, \$

MAY 1991 DX

1 Tropo

0003 WCBS 101.1 NY New York \$ News, Editorial, o
0005 WFLW 90.7 NY New York, \$ Salsa, EE jocks
0012 WQGN 105.5 CT Groton, \$Q-105, CHR
0015 WVVE 102.3 CT Stonington, \$, 102.3 The Wave
0017 WYNY 103.5 NY Lake Success, \$, Country 1035
0022 WLNG 92.1 NY Sag Harbor, Oldies 92,
L-O-U-D!! mono

0025 WPAT 93.1 NJ Paterson, \$, very old type
beautiful music, nice!

0033 WALK 97.5 NY Patchogue, \$, AC/oldies
0037 WQQQ 96.7 CT Stamford, \$ Q-96.7, oldies
0040 WQXR 96.3 NY New York, \$ classical as usual
0050 WEEF 95.9 CT Norwalk, \$ 95.9 The Fox, AOR
23 Tr

2240 CBD 91.3 NB St. John, MONO CBC English
2303 WMNB 100.1 MA North Adams, EZL, \$
2305 WMAS 94.7 MA Springfield, \$, AC, FM 95
2317 WZMX 93.7 CT Hartford, The New Mix 93.7
same AC mx, \$

2330 CIOK 100.5 NB St. John, \$, K100, pub affairs
2331 WWYZ 92.5 CT Hartford, \$, Country 92.5
2333 WRCN 103.9 NY Riverhead, \$, AOR, cls rock
2335 WHYN 93.1 MA Springfield, \$, calls, gold-AC
2340 WQHT 97.1 NY New York, Top 40/RAP
2357 WNTX 96.3 MA Nantucket-Hyannis, signoff
cleared the way for...

2359 WQXR 96.3 NY New York, more classical
26 Tr

1800 WABK 104.3 ME Gardiner, \$, New Fresh ABK
1801 WNCN 104.3 NY New York \$ very soft c
1806 WFXR 93.5 MA Harwichport, \$ 93.5 Fox, AC
1810 WXGL 93.9 ME Lewiston, \$ Eagle 94, oldies
1814 WCDQ 92.1 ME Sanford, \$ 92CDQ, album r
1817 WQGL 95.3 ME York Center \$ Cool 95.3, o
1820 WKRH 105.9 ME Bath, \$ 105.9 KRH, album r
1825 WPOR 101.9 ME Portland, \$ country
1829 WMGX 93.1 ME Portland, \$ AOR
1833 WBLM 102.9 ME Portland, \$ loud and clear
102.9

MAY 26 Tr continued

1836 WSTG 94.3 ME Biddeford, \$ Star 94.3, AC
(ex WYJY)

1840 WUNH 91.3 NH Durham, \$, AOR/Prog.
1845 CBD 91.3 NB St. John, CBC EE net, MONO
1840 WOKQ 97.5 NH Dover \$ Country
1851 WYNZ 100.9 ME \$ Westbrook, oldies //AM
1855 WHTT 107.5 ME Portland \$Thunder 107
and CHR

1903 WQCB 106.5 ME \$ Brewer, Q-106.5, cntry
1906 WPKM 106.3 ME \$ Scarborough, \$, c
1908 WZPK 103.7 NH Berlin \$, Top 40 "Peak"
1910 WKCG 101.3 ME \$ Augusta, country mx
1913 WWTG 97.9 ME \$ Portland, rock40-loud
29 Es

1920 WPSI 88.7 IL Edwardsville, \$ Fresh Air, NPR
2000 WJCS 89.5 FL Pensacola, \$ religious, legal
18/19 Tr

2222 WPYX 106.5 NY Albany, \$ Pix 106, AOR
2228 WGY 99.5 NY Schenectady \$, Oldies
99.5, very tough to get!

2240 WGNA 107.7 NY Albany \$, country 107.7
0004 WRPI 91.5 NY Troy, \$ progressive metal

0006 WTCC 90.7 MA Springfield, \$, black
0009 WBEC 105.5 MA Pittsfield, Live 105, AOR
0014 WVKZ 96.7 NY Clifton Park, KZ-96.7
CHR and AOR

0018 WVCB 88.3 NY Loudonville, very
progressive, laid back jock

0023 WKUJ 100.9 NY Albany, Lite 100.9, "lame"
0051 WSHQ 103.5 NY Cobleskill, Sho-FM,
oldies, 103.5 // 98.3

0018 WVCB 88.3 NY Loudonville, very
progressive, laid back jock

0023 WKUJ 100.9 NY Albany, Lite 100.9, "lame"
0051 WSHQ 103.5 NY Cobleskill, Sho-FM,
oldies, 103.5 // 98.3

0018 WVCB 88.3 NY Loudonville, very
progressive, laid back jock

0023 WKUJ 100.9 NY Albany, Lite 100.9, "lame"
0051 WSHQ 103.5 NY Cobleskill, Sho-FM,
oldies, 103.5 // 98.3

0018 WVCB 88.3 NY Loudonville, very
progressive, laid back jock

0023 WKUJ 100.9 NY Albany, Lite 100.9, "lame"
0051 WSHQ 103.5 NY Cobleskill, Sho-FM,
oldies, 103.5 // 98.3

0018 WVCB 88.3 NY Loudonville, very
progressive, laid back jock

0023 WKUJ 100.9 NY Albany, Lite 100.9, "lame"
0051 WSHQ 103.5 NY Cobleskill, Sho-FM,
oldies, 103.5 // 98.3

0018 WVCB 88.3 NY Loudonville, very
progressive, laid back jock

0023 WKUJ 100.9 NY Albany, Lite 100.9, "lame"
0051 WSHQ 103.5 NY Cobleskill, Sho-FM,
oldies, 103.5 // 98.3

0018 WVCB 88.3 NY Loudonville, very
progressive, laid back jock

0023 WKUJ 100.9 NY Albany, Lite 100.9, "lame"
0051 WSHQ 103.5 NY Cobleskill, Sho-FM,
oldies, 103.5 // 98.3

0018 WVCB 88.3 NY Loudonville, very
progressive, laid back jock

0023 WKUJ 100.9 NY Albany, Lite 100.9, "lame"
0051 WSHQ 103.5 NY Cobleskill, Sho-FM,
oldies, 103.5 // 98.3

0018 WVCB 88.3 NY Loudonville, very
progressive, laid back jock

0023 WKUJ 100.9 NY Albany, Lite 100.9, "lame"
0051 WSHQ 103.5 NY Cobleskill, Sho-FM,
oldies, 103.5 // 98.3

PETER'S COMMENTS APPEAR ON THE
NEXT PAGE.

NORTHERN FM DX

AUGUST 1991

PETER GEORGE'S COMMENTS.

Well...it has been a long time since the last time I have reported. As you may know, I have been recuperating since I have had a stroke and an operator to repair an aneurysm. Things are getting back to normal, slowly. As they say...you can't keep a good man down. It is good to be back to DXing. I have now a pair of stacked yagis at 5' from each other, 40' AGL. The results have been fantastic!!! The E-skip has finally arrived (6/20/91) and I have not been disappointed. It was really lucky for me to get WRNO 99.5 LA, considering WSSH in my backyard on 99.5 (WGY-FM was a nice catch too!-gc). But with the stacked yagis, the nulls are very deep now. I was hoping to get to the convention in August, but unfortunately I am still on the mend since the stroke. But you can bet that I will be ready for Convention 92 (wherever it may be). In the meantime, I would like anybody to give me a "buzz" anytime when DX comes alive!! And if anyone would like to trade some DX tapes (dubs of course) with me, please get in touch with me at any time by phone or mail. Until next time, 73s!!! Pete (Pete, we all wish you a speedy recovery, and look forward to seeing you in 92!-gc)

ED HANLON - 140 CEDAR RD - CHARLESTOWN, RHODE ISLAND

Equipment: Macintosh MR78 (mod), FM13 at 25' AGL, RG6 coax.
Have FM13 will travel! Decided to set up a DX station at my summer cottage, with no regrets. This place is DX heaven! Virtually no locals to contend with, and an ocean shot to points south. Most stations listed were relatively easy to pick up. I can only wonder what might have been received if an opening had appeared. However, the WAF (wife acceptance factor) was reaching new (DXing) lows, so I was forced to shut down half way through the week. I wonder how she'll feel about adding a Channel Master 1100 and P-7 to our small roof. As Doug Allen mentioned last month, I am still trying to design an antenna with the FM13s F to B ratio, but with increased gain. I purchased an IBM compatible program to do just that-now I need a computer. Any suggestions from fellow members would be greatly appreciated. Got to run-UPS is here with a pair of ch2 yagis. Thanks Doug! 73s Ed.

JUNE 1991 DX

17 Tr/TrS

1725 WXKS 107.9 MA Medford, Kiss 108
1727 WEBS 107.9 CT Bridgeport, WeBe

1732 WGNA 107.7 NY Albany, Country
1735 WSNJ 107.7 NJ Bridgeton

1740 WHTT 107.5 ME Portland, Thunder
1744 WERZ 107.1 NH Exeter

1753 WCCC 106.9 CT Hartford
1814 WKDN 106.9 NJ Camden

1831 WQCB 106.5 ME Brewer, Q106.5
1835 WPYX 106.5 NY Albany, Pix 106

1839 WHLM 106.5 PA Bloomsburg,
Mix 106

2001 WCOD 106.1 MA Hyannis
2004 WBLI 106.1 NY Patchogue

2005 WHCN 105.9 CT Hartford
2014 WDAS 105.3 PA Philadelphia

2017 WLKZ 104.9 NH Lakesboro
2018 WYRY 104.9 NH Hinsdale

2020 WIHS 104.9 CT Middletown
2025 WRDR 104.9 NJ Egg Harbor

2030 WSPK 104.7 NY Poughkeepsie
2032 WXLO 104.5 MA Fitchburg

2032 WYXR 104.5 PA Philadelphia
Star 104.5

2052 WRCN 103.9 NY Riverhead
2053 WIOF 104.1 CT Waterbury, Magic

2055 WNCN 104.3 NY New York
2100 WAEX 104.3 ME Gardiner

2102 WBCN 104.1 MA Boston
2105 WYNY 103.5 NY New York

2107 WSHQ 103.5 NY Cobleskill

JUNE 17th cont.

2138 WHRL 103.1 NY Albany
2141 WGNV 103.1 NY Newburgh

Energy 103
2146 WDRC 102.9 CT Hartford

2147 WBLM 102.9 ME Portland
2149 WPXC 102.9 MA Hyannis

Pixy 103
2151 WCRB 102.5 MA Waltham

2200 WAQY 102.1 MA Springfield
2207 WIOQ 102.1 PA Philadelphia,
Q102

2220 WCIB 101.9 MA Falmouth
2222 WPOR 101.9 ME Portland

2223 WBAZ 101.7 NY Southold
2232 WFNX 101.7 MA Lynn

2240 WKCI 101.3 CT Hamden
2240 WFAL 101.1 MA Falmouth

2240 WGIR 101.1 NH Manchester,
Rock 101

2241 WEAZ 101.1 PA Philadelphia
2243 WCBS 101.1 NY New York

2305 WZLX 100.7 MA Boston
2307 WZXL 100.7 NJ Wildwood

2315 WHUD 100.7 NY Peekskill
2317 WRCH 100.5 CT Farmington

2324 WHEB 100.3 NH Portsmouth
strong co-channel WOTB Newport, RI

2330 WJRZ 100.1 NJ Manahawkin
2330 WDST 100.1 NY Woodstock

2339 WQRC 99.9 MA Barnstable
2345 WPLM 99.1 MA Plymouth

2347 WKZS 99.9 ME Auburn, Kiss 100
2353 WGY 99.5 NY Schenectady, o

ED HANLON'S REPORT CONTINUED-

JUNE 17th cont

2355 WPLR 99.1 CT New Haven
 2355 WUSL 98.9 PA Philadelphia
 Power 99

18 Tr/Trs
 0002 WQVR 100.1 MA Southbridge
 0012 WLQE 98.7 NJ Vilas, Country
 Lucky 99

0018 WPXK 97.9 CT Enfield
 0020 WWGT 97.9 ME Portland, G98
 0021 WJBR 99.5 DE Wilmington,
 Bright 99.5

0023 WALK 97.5 NY Patchogue
 0024 WOKQ 97.5 NH Dover
 0027 CRO 99.7 PQ Ste-Georges de Beauce
 0930 WVPS107.9 VT Burlington
 0935 WZRT 97.1 VT Rutland, Z97
 0942 WEZN 99.9 CT Bridgeport
 0944 WCLZ 98.9 ME Brunswick
 0946 WOKO 98.9 VT Burlington
 0950 WRKS 98.7 NY New York,
 0952 WLZW 98.7 NY Utica, Lite 98.7
 1010 WTVL 98.5 ME Waterville
 strong co-channel out of Boston

2154 WKJY 98.3 NY Hempstead
 2156 WILI 98.3 CT Willimantic
 2158 WSKQ 97.9 NY New York
 2159 WCAV 97.7 MA Brockton
 2200 WCTY 97.7 CT Norwich
 2210 WINQ 97.7 MA Winchendon
 Oldies 97

2214 WYOU 97.1 ME Bangor
 2215 WQHT 97.1 NY New York
 2221 WOUR 96.9 NY Utica,
 strong co-channel from Boston

2230 WEXT 96.9 NY Arlington-
 Poughkeepsie
 2236 WQQQ 96.7 CT Stamford
 2243 WWEM96.7 NH Rochester
 Easy Mix 96.7

2250 WWSA 96.7 VT Brattleboro
 2255 WCME 96.7 ME Boothbay Harbor
 2256 WTIK 96.5 CT Hartford
 2258 WNTX 96.3 MA Nantucket
 Oldies 96

2259 WSRW 96.1 MA Worcester
 2300 WATD 95.9 MA Marshfield
 2300 WEFX 95.9 CT Norwalk, The Fox
 2301 WKSS 95.7 CT Hartford, Kiss95.7
 2303 WWMJ95.7 ME Ellsworth

2308 WZID 95.7 NH Manchester
 2315 WHFM 95.3 NY Southampton
 Live 95

2323 WHRB 95.3 MA Cambridge
 2324 WCQL 95.3 ME York Center
 Cool 95.3

2355 WRSI 95.3 MA Greenfield
 2342 WRKI 95.1 CT Brookfield

19 Tr/Trs
 0815 WAYV 95.1 NJ Atlantic City
 0825 WHOM 94.9 NH Mt Washington
 0830 WOCB 94.9 MA West Yarm outh
 0917 WMAS94.7 MA Springfield
 0920 WDSD 94.7 DE Dover
 0924 WFME 94.7 NJ Newark
 0930 WSTG 94.5 ME Biddetford,
 Star 94.3

0942 WCTO 94.3 NY Smithtown
 Magic 94.3

0947 WYBC 94.3 CT New Haven,Jazz
 0947 WNYC 93.9 NY New York
 0952 WXGL 93.9 ME Lewiston
 Eagle 94

1000 WKXZ 93.9 NY Norwich
 1014 WCGY 93.7 MA Lawrence
 1015 WZMX 93.7 CT Hartford, Mix
 1020 WSTW 93.7 DE Wilmington
 1038 WFXR 93.5 MA Harwichport
 1305 WRTN 93.5 NY New Rochelle
 1315 WZBH 93.5 DE Georgetown,
 The Beach

1315 WHYN 93.1 MA Springfield
 1352 WMGX 93.1 ME Portland
 1355 WPAT 93.1 NJ Paterson
 1355 WKOJ 92.7 NY Middletown
 1406 WOBM 92.7 NJ Toms River
 strong co-channel from WMVY

1409 WWYZ 92.5 CT Waterbury
 1415 WLYT 92.5 MA Haverhill
 1420 WLNG 92.1 NY Sag Harbor
 1425 WOMR 91.9 MA Provincetown
 1430 WUMB 91.9 MA Boston
 1430 WNTI 91.9 NJ Hackettstown
 "Desperado", "Give Me What You
 Need" INXS

1442 WSHR 91.9 NY Lake Ronkokoma
 Oral Testing of Students
 1448 WHUS 91.7 CT Storrs
 1500 WNYE 91.5 NY New York

20 Tr
 WKCG 101.3 ME Augusta

STATION NEWS: WNJA 89.7 Jamestown, New York is on the air testing; apparently it will be a relay for WNEB 94.5 in Buffalo (classical music). WEEJ 100.1 Port Charlotte, FL is now ac and "Coast 100". KLLZ 99.1 in Walker, MN is on as a simulcast of KLIZ 107.5 Brainerd, MN, top 40: "KLZ Minnesota's Power Loon". Info from John Ebeling's report and me hearing them on skip. 93.7 in Elizabeth City, NC has dropped urban for the fast growing "Rock/AC" format and a "Coast" slogan (how original, hi), calls not known. Reportedly the WMYK format has moved up the coast to 96.1 Cape Charles. WTFX 94.1 in the Madison area is also now "Rock/AC" (adult contemporary with large music library and album rock like presentation) as WJJO. In the Albany area WKVZ 96.7 Clifton Park moves to mainstream top 40. In Salt Lake City, 99.5 is top 40 "Q 99.5" KUTQ.

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

MAY 1991

29 Es (continued from last month)
 1750 KIOX 96.9 TX El Campo, "X-97"
 ads, news brief, k 1481

1916 KEOK 101.7 OK Tahlequah,
 KTLQ/KEOK ID 1160

1925 KYXS 95.9 TX Mineral Wells, k, call 1418
 1936 KFDI 101.3 KS Wichita, call, k 1244
 1949 KCBW 92.1 MO Sedalia, call, ad 1009
 1954 KCUR 89.3 MO Kansas City, ID 1074
 2003 KNIN 92.9 TX Wichita Falls, ID, r 1402

JUNE 1991

7 GW
 1253 WLQE 98.7 NJ Villas, "Lucky 99",
 k, ads 111

(Most N.Y.C. stations on Empire State Bldg.
 off at this time. Caught when I came home
 for lunch - but I had to go back to work.)
 8 Es

1910 KV00 98.5 OK Tulsa, ID, k 1205
 1914 KFXI 92.1 OK Marlowe, "Foxy 92",
 call, k 1352

1921 [KRXO]107.7 OK Oklahoma City, ID,
 ad, wx, ex: KIMY 1304

20 Es (while home for lunch)
 1231 WEGS 91.7 FL Milton, ID, g 988
 1234 WPCF 100.1 FL Panama City Beach,
 "FM-100", Panama City ad 962
 1241 WOOF 99.7 AL Dothan, Dothan wx 891
 1244 WEBZ 99.3 FL Mexico Beach, b,
 call + "Easy" 960

1257 WBLX 92.9 AL Mobile, legal ID 1025
 1300 WKKR 97.7 AL Auburn-Opelika, k
 "The Kicker", legal ID 825

JUNE 1991

29 Es
 1409 KMDL 97.3 LA Kaplan, call, k 1244
 1414 KKAY 104.9 LA Donaldsonville,
 PSA with call 1181

1416 WTYL 97.7 MS Tylertown, call, wx 1096
 1426 WTTD 101.7 AL Reform, "101.7 The Tide"
 Classic rock, Tuscaloosa ad 899

1428 WQEZ? 99.3 FL Ft. Myers Beach, now
 Classic rock (Classic Rock 99 non-ID)
 New call to go with new format?

1430 KJEF 92.9 LA Jennings, k, full ID 1252
 1431 [WCTQ]92.1 FL Venice, k,
 "92 WCTQ" ex: WAMR 1038

1432 KNES 92.1 TX Fairfield, PSA about
 3 escaped convicts, call 1358
 1458 WPRL 91.7 MS Lorman, PSA, call 1109
 1500 [KRUV]100.1 LA Bastrop, "River",
 legal ID, r, ex: KMYQ 1109

1513 KUEZ 99.3 TX Lufkin, ads, call 1302
 1517 WBLE 100.5 MS Batesville, SID, k 957
 1518 WVTM 95.3 MS Coldwater,
 "Hot Country V-95", remote from
 Olive Branch, MS

30 Es
 1200 ZFB 94.9 BERMUDA, ID, into
 Bermuda news. Thanks to the telephone
 tip hotline for this one. 784

COMMENTS: Been a very slow year so far. Still
 don't have the FM-13 up - no time due to
 other pressures. 73, Joe

GEORGE C. GREENE - 1527 SUNSET AVE. - AKRON, OHIO 44301

Equipment: McIntosh MR78 tuner, Stereo Probe 9 approx 35' above ground

MAY 1991 DX

29 Es cont
 20 Trop
 2025 CHTZ 97.7 ON St. Catherines, album rock
 2028 WBUF 92.9 NY Buffalo, "Mix" adcon
 2030 WNEB 94.5 NY Buffalo, classical thru WWSW
 2031 unID 92.9 EZ/cl mixture, could this be
 Kingston's CBC? (It probably was CBBK-gc)
 2039 CFGX 99.9 ON Sarnia, adcon "The Fox"
 2045 CFCA 105.3 ON Kitchener, classical type mx
 2051 WKJF 92.9 MI Cadillac, TENTATIVE
 with Tigers baseball
 2054 WMTR 96.1 OH Archbold, TENTATIVE
 with Toledo Mudhens baseball

29 E-skip

1930 unID 107.9 "Kicks 108", T40 (George, Victoria
 TX is now Kicks 108, but they are country-gc)
 1933 KMXR 93.9 TX Corpus Christi, "Mix"
 spot for Hooters in Corpus Christi

29 Es cont

1941 KBYU 103.7 LA Lake Charles, classic rock
 "Bayou 104"
 1942 KEYI 103.5 TX San Marcos, Tangerines spot
 adult contemporary music
 1943 KQUE 102.9 TX Houston, traffic report, KDLang
 1946 KAJN 102.9 LA Crowley, "Lite Rock 102.9"
 "Cajun Talk", tentative
 1959 WCVU 94.5 FL Naples, ez, "Sea View" slogan
 2000 KMKR 102.5 TX Bay City, legal ID
 1920 KPLY 93.3 TX Port Lavaca, spot mentioning
 East Grand River Avenue
 2018 WQNZ 95.1 MS Natchez, promo, 95 Country
 2032 KAJA 97.3 TX San Antonio, country music
 2033 KXXY 96.1 OK Oklahoma City, OKC baseball
 2110 KIKK 95.7 TX Houston, "Kick Nite Club", k
 29 Tr
 2125 WCOZ 96.9 KS Paris, ad for Lexington Sears
 wx, "Kiss FM", rock

A few days of trop noted in mid-June, but nothing new noted... and no E-skip at all after this thru late June, at least as noted here in Akron. On June 8th in Dover, NJ, while at a radio GTG at Rich Shaftan's, some brief FM skip was in late that afternoon from the Wichita Falls, TX area. Hopefully, the first week of July will have some of the great E-skip often heard at that time, 73.



DX'ers admiring "The Hill"
 at Dunkirk, New York
 WFDA CONVENTION
 August 9-11, 1991

DAVE NIEMAN-HO STA GEH ROAD-ROCK CITY, NY

Equipment: Carver TX-11 filter modified, Realistic SA-10 audio amp. Radio Shack 5 element FM antenna at 12' above ground, 2392' above sea level, RG-6 coax. All new to Rock City, NY log.

MAY 1991

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 27 tropo scatter, 1523 WKVE, 1527 WGRPR, etc.

JUNE 1991

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 1 tropo scatter, 0801 WDDJ, 0850 WJZZ, etc.

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 1256 WUSH, 1300 CBCB, 1352 WDDN, etc.

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 1513 WKBI, 1513 WFRM, 1513 WQRM, etc.

8 tropo, scatter & E-skip!

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 1424 WJCT, 1433 CHUM, 1443 WELA, etc.

JUNE 1991

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like B tropo, scatter & E-skip continued, 1742 WZSH, 1749 CKSY, etc.

ZZ tropo scatter

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 1045 WRF0, 1051 WPHR, 1115 WAXX, etc.

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 1220 WXC0, 1338 CFNY, 1341 WDDK, etc.

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 1632 CHFI, 1638 WBUF, 1644 WBER, etc.

26 Tropo, scatter & E-skip

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 0938 WFSE, 0950 WRFV, 0952 WJVA, etc.

DAVE NIEMAN'S ROCK CITY REPORT CONTINUED

JUNE 26, 1991 tropo, scatter & E-skip

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 1026 WDLS, 1031 WMHI, 1034 WZDZ, etc.

2b tropo & scatter continued

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 1332 CIGL, 1353 C???, 1352 CHEQ, etc.

I should be running out of easy loggings some. Dave

DAVE NIEMAN-12284 NICE ROAD-AKRON NY 14001

Equipment: Same as last time. New are underlined.

MAY 1991

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 28 tropo, 0837 CJMM, etc.

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 29 tropo scatter, 0152 WXRK, etc.

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like JUNE 1991, 9 E-skip, 1855 KVRP, etc.

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 10 tropo, 1339 C, etc.

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 16 E-skip, 1824 WKMX, 1827 WY2B, etc.

Table with columns: Call sign, Frequency, Location, and other details. Includes entry like 1830 WJZT.

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 16 E-skip continued, 1839 WCGQ, etc.

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 17 tropo scatter, 1409, etc.

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 18 E-skip, 0105 CBTL, etc.

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 20 E-skip, 1248 WJAT, etc.

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 27 tropo, 1000 W220AI, etc.

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like Not much skip again this month. Dave

ERNEST COOPER - 5 ANTHONY ST. - PROVINCETOWN, MASSACHUSETTS 02657

Equipment: Realistic STA52 + McIntosh MR78 FM tuner, 9-element rotary beam rooftop antenna

APRIL 30 GW

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 1352 WTNT, 1705 WFR0, etc.

MAY 1991 DX

29 ES

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 1918 unID, 1949 KCMA, 2000 WBTR, etc.

2035 KARQ 92.1 AR Ashdown, Country 92

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like May 31 GW, 0253 WBLQ, etc.

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like JUNE 1991 DX, 6 Tr, etc.

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 0956 WSTG, 10 Tr, etc.

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 0154 WRCI, 105.5 for WJYY-NH, etc.

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 0249 WDRE, 0818 WMNR, etc.

Table with columns: Call sign, Frequency, Location, and other details. Includes entries like 0926 WSNJ, 0931 WGNV, etc.

Recent Veries: WXRK-92.3 NY, CBZ-FM-102.5 Fredericton, NB; WWGT-97.9 ME; WBTR-92.1 GA; KARQ-92.1 AR. WBTR is my 6th GA verified on 92.1!! All were received with one mile away WOMR 91.9 on the air, and no slip! Nice to see the WOMR coverage map on the cover of the May VUD. But change the P.O. Box number to 975 (from 82), and the area code from 617 to 508.

Bill Nienajadly PO Box 2999 Clifton NJ 07015-2999

Equipment: TX-9800 Pioneer modified or GE Superadio mod to the max at work or Audiovox car car radio modified and AFC deleted.

5/20/91 Tr
0037 WJBR 99.5 DE Wilmington o/WBAI 12 mi lcl
1234(WEAZ)101.1 PA Philadelphia o/WCBS FM!!!!
last heard in 1976! as WDVR

0300 WGTY 107.7 PA Gettysburg WSNJ off
5/26/91 Trs
1310 WUFM 100.1 PA Lebanon
1345 WMRX 99.7 PA Mt Carmel ID as 'WHOT'
1322 WRCQ 102.5 NY Buffalo ad 4 boat ride
416-599-BOAT

5/27/91 Trs
1313 WEEF 92.9 VT Burlington
1315 WHOM 94.9 NH Mt Washington
5/29/91 E-Skip
1900 KNTU 88.1 TX Denton
1905 KESE 93.3 MO Seligman-Trx to Joe Fela who
told me they just moved from
95.3.

1909 KZPS 92.5 TX Dallas 'Classic Rock 92.5'
1910 UNID 107.9 ?? 'Majic 107.9' KAND??? who??
1913 KIMJ 104.1 TX Tyler
1921 KCTT 97.7 AR Yellville ES Pest
1923 KQWD 96.1 AR Harrison lcl ments
1925 KNDL 97.3 LA Kaplan '97 country+lcl ments
1925 KVOO 98.5 OK Tulsa
1926 KINT 97.7 OK Edmond '97.7 The Trend' + lcl
1927 KRAV 96.5 OK Tulsa ES pest
1927 KXXY 96.1 OK OKCity 'KXXY' K MX
1931 KMTB 95.3 AR Murfreesboro 'B-95' and address
for Murfreesboro Chamber of
Commerce PO 166 Murfreesboro
71958 Perfect non ID!!!

1949 KHCA 95.3 KS Wamego 'Angel 95' T-storm for
Marshall, Riley, Chase, Geary &
Morris Counties. Rich & Greg ID

6/8/91 Trs and ES at Rich Shaftan's DX get together
0702 WIDL 104.9 PA Scranton 'Lite 105' + lcl ments
finally! logged at home.

1926 KKNG 92.5 OK OKCity Muf 107 very short time
6/9/91 TRS
0935 WEMR 107.7 PA Tunkhannock 'Y107.7' + lcl ments
1005 WBEE 92.5 NY Rochester
1108 WYCL 107.5 PA Boyertown WBLS off!
1130+CBCK 107.5 ON Kingston, talk show about immi-
grants to Canada, other NJ DXers
were // this with each other on
phone. Came in several times.

6/7/91 Sorry out of order, Trs stopped home briefly
1407 WFLY 92.3 NY Troy WXRK off! // Other
1416 WYST 92.3 MD Baltimore // were off too

6/17/91 E-Skip
1800 WJNS 92.1 MS Yazoo City
1815 KRYQ 100.1 LA Bastrop 'The River' strict! lcl
1817 WAGR 102.5 MS Lexington lcl ments
1818 WZZQ 105.3 MS Aberdeen 'Cardinals BB net'
by Rich Shaftan.
1819 UNID 104.9 ?? same BB game as above, KIOC?,
1820 KJLO 104.1 LA Monroe 'Jello 104..refrigerate
HI, I just couldn't resist!
it was 'K-104' & lcl ments,
1821 WFXO 104.9 MS luka "TRI STATES FOX"
1836 KXKZ 107.5 LA tent, ment LA OVER WBLS!!
1845 WBLE 100.5 MS Batesville

6/18/91 Trs 92.3, 96.3, 97.9, 99.5, 104.3, 106.7
NYC Locals off the AIR!!!!!!!

0035 WJMX 106.7 MA Boston weak!
0045 WIZN 106.7 VT Vergennes esy catch!
0052 WRKZ 106.7 PA Hershey 'Z107' + lcl
0058 WWSH 97.9 PA Hazelton, strong!
0120 WCFB 99.5 NY Schenectady 'Oldies 99.5'
0129 WBSB 104.3 MD Baltimore
0135 WTVY 97.9 MD Baltimore '98 Rock'
also relogs: WJBR 99.5, WYST & WFLY 92.3
No Rochester or Maine 97.9 #6@%#%\$%!!!

6/29/91 E-Skip
1438 WJLM 92.9 FL Punta Gorda Lite 93 and
South West FL's lite mx
1442 WJMI 99.7 MS Jackson lcl ments
1443 WNLJ 95.7 FL Clearwater Mix 96 strict
lcl ments & Tampa ment
1445 KZMZ 96.9 LA Alexandria
1510 KDBH 97.7 LA Natchitoches Que Pasa?.
1515 UNID 92.1 Oldies 92.1 NOT WSEN
1522 KITT 93.7 LA Shreveport ES Pest
1530 WQEZ 99.3 FL Ft Myers Note: Many ments
of Ft Meyers but called
themselves Classic Rock-
99 new format, new calls?!

1540 WCIQ 92.1 FL Venice,
6/30/91 E-Skip
1200+ ZFM 94.9 Bermuda Hamilton ID lcl ment
New Country!!! Thanks to call
from Rich Shaftan!!!!

7/1/91 E-Skip
1700 KQRT 95.3 LA Bayou Vista
1702 WAMU 88.5 DC Washington, Very Strong
Trs OR Backscatter!?!?!?!
1710 KJEF 92.9 LA Jennings
1715 KRYZ 96.1 LA LakeCharles, ad for fire
-works, 4 boxes of spark-
lers for \$1.00 at Angelos

1721 WJMG 92.1 MS Hattiesburg lcl ments
1725 KRIS 92.1 TX Seabrook o/WJMG few sec
1735 KRBC 92.9 TX Pasadena full ID rare
1745 WKUN 103.3 LA Hammond Cajun 103
1800 WJNS 92.1 MS YooHoo City
1830 Had to
Leave
1940 ES Back, driving in Wallington, Garfield
Elmwood Park & Clifton & Passaic on the
modified Audiovox car radio

1940 WYUU 92.5 FL Safety Harbor
1943 KITT 93.7 LA Shreveport strong
1945 WJDO 101.3 MS Meridian
1955 WQJE 93.3 LA New Orleans
1956 WBLX 92.9 AL Mobile
2010 WQID 93.7 MS Biloxi
2018 WMLJ 96.5 AL Birmingham Majic 96-
2125 KKNG 92.5 OK OKCity NOW HOME DXING
2127 WADI 95.3 MS Corinth
2130 KDBH 97.7 LA Natchitoches
2140 KMYQ 100.1 LA Bastrop 'The River'
as!!

7/2/91 E-Skip at work in Clifton All countable
1050 KQHT 96.1 MN Crookston
1104 KMFY 96.9 MN Grand Rapids
1220 KOWS 91.3 WI Superior

JIM RENFREW - 61 WILCOX STREET - ROCHESTER, NEW YORK 14607

JUNE 1991 DX

7 GW
1538 W215?? 90.9 NY Lima, with programming //
WMHN 89.3. Engineer says this one is new.
Also said W200?? 88.1 Dansville is off the air.

10 Tr
1238 WSRD 104.9 NY Johnstown, with 'good time
Oldies' and mention of Mets broadcasts. In for
a half hour, never noted before; channel usually
washed out by WKFM 104.7

11 Tr
1155 CBE7 91.9 PQ Mont Laurier, in briefly with
music program // 860 and 690 AM
1200 WPHB 105.9 PA Phillipsburg, local news prgrm
1205 WWKS 106.7 PA Beaver Falls, strong signal
1210 WRKT 100.9 PA North East, intermittent
thru CHIN 100.7

1525 WAMU 88.5 DC Washington, o/WCII with
bluegrass, WRUR off the air.

12 Tr
0850 CBOO 103.3 ON Ottawa, in well for a few short
bursts with classical music and talk about Ontario
over WUFX 103.3 and CFMX 103.1, during
local hail storm (HS = Hail Scatter?) (Or
maybe lightning scatter? gc)

15 Tr
1420 WHLM 106.5 PA Bloomsburg, "Mix 106", ads
17 GW
1240 CHTZ 97.7 ON St. Catharines, "Hits" o/WXPY



Though I only DX with a JVC car radio (because home is impossible in the shadow of the TV/FM antenna farm)
I'm starting to get some tropo receptions during my 2 or 3 weekly trips to Bergen, even some relatively low power
ones. Very frustrating to have local WRUR 88.5 off during the break between semesters so many mornings and
afternoons with no sign of E skip!! Jim

WILLIAM R. HEPBURN - 1211-1547 HISSISSAUGA ULY BLU - HISSISSAUGA ON L5A 3XB
(EDT)

Equipment: modified JVC R-X330U w/12th Floor balcony dipoles

MARCH 1991

8 Tr
0137 CKWR 98.7 ON Kitchener 41
APRIL 1991
23 GW
---- CJFI 101.1 ON Fort Erie (15 db) SB
(testing)

MAY 1991

13 Tr (lcls off)
0158 WQWQ 102.1 PA Du Bois 170
0203 WLKC 100.7 NY Henderson 170
0258 WEZK 107.1 PA Scranton-WlksBar 260
15 Tr
0233 WXTA 97.9 PA Edinboro-Erie 131
JUNE 1991
5 Tr
0258 WYIN 91.7 OH Youngstown 165.

HARRY HAYES - 9 HENRY STREET - WILKESBARRE PENNSYLVANIA 18702

Equipment: GE Superadio on Jerrid 9 element antenna in attic

JUNE 8, 1991 Es

1921 KEBC 94.7 OK Oklahma City, c/w music

16 Es

1835 WJMI 99.7 MS Jackson, soul thru Mt. Carmel

1841 WTYX 94.7 MS Jackson, oldies "Oldies 94"

20 Es (everything new, only had 2 Es in log until now!)

1230 WMNF 88.5 FL Tampa, jazz, lcl mx calendar
1300 WLPT 88.3 GA Jesup, multi-site ID
1300 WYFO 91.9 FL Lakeland, Bible Bdcng Net.
1300 WFCE 88.9 FL Tarpon Springs // 91.9
1303 WNEB 94.3 SC Lake City, local ads and B94
IDs but satellite music // local WACZ 93.9
1310 WHCJ 88.5 GA Savannah, local PSA, ID
1317 WGSJ 89.5 FL Mayo, "Good News", legal
ID heard over CIUT Toronto
1319 WYNE 94.9 FL Tampa, with mention of
Clearwater, then 95YNE ID, brief
1320 WDDO 92.1 GA Adel, I-75 exit 10 travel info
1321 WAYJ 88.7 FL Ft. Myers, SW Fla wx, Way FM
1325 unID 88.5 Spanish music...Cuba?
1330 unID 88.3 Millrith/Meyer Clinic Program
1335 WJXR 92.1 FL Macceny, local programs mentioned
1350 MUF below 88.1 for good, was as high as 100.1
possibly as high as 105.9

20 Tr

2200 WDWN 88.9 NY Auburn, w/"Truckin'" and local
ID (my closest unheard) after months of looking!

27 Tr

1333 WRBO 97.1 OH Ashtabula, ID, Newsatch 35
weather, (#200 logged)1339 WSRD 104.9 NY Johnstown, "We've doubled
our power"

1351 WBOZ 94.3 PA Saegertown, local ads and ID

1428 WBRR 100.1 PA Bradford, "WBRR Cool FM"

1552 WNGZ 104.9 NY Montour Falls, "Wings 105"
and local ads (another closest unheard caught!)1556 unID 93.3 rock w/WWSE, possibly WBBG
(Or maybe the new WPHD Tioga, PA-gc)

13 Tr

2057 CBOF 90.7 ON Ottawa (FF, mono) 225
(ex-1250 AM)

20 Tr

0259 WMHI 94.7 NY Cape Vincent 160
(// WMHN 89.3)

20 GW

---- CQFM? 99.1 ON Toronto (pirate?) 14
(FF, stereo)

20 ES

1232 WDNA 88.9 FL Miami (c. mono) T

1237 WZZR 92.7 FL Stuart 1135

1257 WRMB 89.3 FL Boynton Beach 1175

1301 WSFP 90.1 FL Fort Myers 1180
(// WUSF 89.7)

1306 MUF 99.1

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

New Equipment: Two Channel Master Stereo Probe 9 Antennas and rotors at 38 and 36 feet above ground with phase shifter box built by Andy Bolin of Charleston, IL. All loggings after April 27th indicated by (o/W---) were made possible with use of the phase box. Read comments at end of report regarding phase box.

April 1991

4 MS (EST)
 7777 KKCK 101.1 UT Kanab, 1482
 (farthest MS/Es) Previous Es
 6 tr
 0220 WXUT 88.3 OH Toledo, r\$, 100w 139
 13 MS (CDT)
 1550 KOSI 101.1 CO Denver 1040
 13 tr
 1643 WUBU 96.5 MI Portage, r\$ 140
 16 tr
 2344 WQTY 93.3 IN Linton, m\$, ex- 120
 (o/WBTU 93.3 IN Kendallville) 93.5 72
 22 MS
 7777 WCIE 91.1 FL Lakeland 861
 7777 KTSd 91.1 SD Reliance 780
 27 tr (w/phase shifter box)
 1915 WAMW 107.9 IN Washington, r\$ 141
 (o/WTPI 107.9 IN Indy) 50
 28 tr
 0200 WBGW 101.5 IN Fort Branch, g\$ 180
 (o/WKKG 101.5 IN Columbus) 73

May 1991

2 tr
 0156 WCVZ 92.7 OH Zanesville, g\$ 173
 (o/WZVZ 92.7 IN Kokomo) 44
 0400 WSEO 107.7 OH Nelsonville, r\$ 170
 (o/WWSN 107.7 OH Dayton) 67
 4 tr
 1300 WNLI 90.5 IL Rockford, j\$ 223
 6 tr
 1800 WIBN 98.1 IN Earl Park- 109
 ex-98.3 Oxford, r\$
 7 MS
 0349 WJIS 88.1 FL Bradenton 892
 12 tr
 1300 WBZW 107.7 OH Loudonville- 165
 "The Breeze" Mansfield, m\$j
 (o/WWSN 107.7 OH Dayton) 67
 13 tr
 0003 WHUB 98.5 TN Cookeville, s/off 280
 (o/WRRM 98.5 OH Cincinnati) 87
 0200 WGMZ 101.7 MI Tuscola, b\$ 225
 (o/WJLT 101.7 IN Fort Wayne) 62
 0330 WKQZ 93.3 MI Midland, r\$, ex- 244
 (o/WBTU 93.3 IN Kendallville) 93.5 72
 0500 WKDC 98.7 KY Liberty, s/on, k\$ 200
 0515 WKDF 99.5 KY Corbin, k\$ 250
 (o/WZPL 99.5 IN Greenfield-Indy) 50
 15 tr
 0059 WMWK 88.1 WI Milwaukee, g\$ 236
 19 Es
 1200 KGNZ 88.1 TX Abilene-San 961
 Angelo-Snyder, g\$
 1257 KENT 90.5 TX Odessa-Midland, g\$ 1110
 1305 KLUX 89.5 TX Robstown, g\$ 1108
 1946 KGNZ 88.1 TX Abilene, g\$ 961
 2000 KBAT 93.3 TX Midland-Odessa, r\$ 1090
 2011 KSAQ 96.1 TX San Antonio, r\$ 1050
 21 Es
 2222 KTEP 88.5 TX El Paso, j\$ 1315
 (??? = was asleep and later found taped)

May 1991 (cont'd)

27 tr
 0102 KSTZ 105.7 MO Ste. Genevieve, 290
 (o/WTLC 105.7 IN Indy) r\$ 50
 29 Es
 1931 WRBH 88.3 LA New Orleans, t\$ 754
 June 1991
 3 tr
 0000 WAWC 103.5 IN Syracuse, o\$, 85
 s/off
 3 Es
 1452 WJIS 88.1 FL Bradenton, g\$ 892
 1516 WSOR 90.9 FL Naples, g\$ 992
 1535 WSEB 91.3 FL Englewood, g\$ 930
 1555 WUSA 100.7 FL Tampa, r\$ 861
 1600 C---- 100.7 CU Havana, SS, 1191
 ID: "Radio Cadena Havana"
 1608 WCIE 91.1 FL Lakeland, g\$ 861
 1614 WOZN 98.7 FL Key West, op\$ 1100
 (o/WQME 98.7 IN Anderson) 20
 6 MS
 7777 KLOL 101.1 TX Houston 915
 7 MS
 7777 WNOE 101.1 LA New Orleans 754
 7 Es
 1847 WKKH 94.5 LA Shreveport, k\$ 706
 9 Es
 1933 KYCS 95.1 WY Rock Springs, \$1255
 10 MS
 7777 WNOE 101.1 LA New Orleans 754
 7777 KLOL 101.1 TX Houston 915
 10 tr
 2332 WLNB 102.7 IN Ligonier, o\$ 86
 (first day on air - 0500-0000)
 13 Es
 1432 KGNZ 88.1 TX Abilene, g\$ 961
 19 trs
 2335 KJTY 88.1 KS Topeka, g, 553
 ex-88.3 ID, "Joy-88"
 (o/WVPE 88.1 IN Elkhart) 108
 24 tr
 0123 WUZR 105.7 IN Bicknell- 145
 "Hoosier 105.7" Vincennes, o\$
 (o/WTLC 105.7 IN Indy) 50
 28 MS
 7777 WJIS 88.1 FL Bradenton 892
 29 Es
 1600 KNTU 88.1 TX Denton, p\$ 809
 1600 KGNZ 88.1 TX Abilene, g\$ 961
 29 tr
 2258 WQHH 96.5 MI Dewitt, s\$ 185
 30 MS
 7777 KGNZ 88.1 TX Abilene 961
 July 1991
 1 Es
 1426 WJIS 88.1 FL Bradenton, g\$ 892
 3 Es
 1117 KHOY 88.1 TX Laredo, b\$ 1192
 1117 KBNL 89.9 TX Laredo, G\$, SS 1192
 7 tr
 0435 WGEZ 107.9 OH Delaware, b\$, 125
 (o/WTPI 107.9 IN Indy) "EZ-108" 50

- Continued -

July 1991 (cont'd)

8 MS
 7777 WUWF 88.1 FL Pensacola 682
 8 Es
 1148 KNFM 92.3 TX Midland, k\$ 1090
 1151 KMGZ 95.3 OK Lawton, r\$ 812
 1201 KCCU 89.3 OK Lawton, b\$ 812
 1207 KGKL 97.5 TX San Angelo, k\$ 1025
 1210 KKIK 93.7 TX Lubbock, k\$ 1017
 1211 KQLI 94.3 OK Lawton, r\$, "Q-94" 812
 1220 KLLL 96.3 TX Lubbock, k\$ 1017
 1224 KKCL 98.1 TX Lorenzo, r\$ 1002
 1230 KENT 90.5 TX Odessa, g\$ 1110
 1232 KFMX 94.5 TX Lubbock, r\$ 1017
 1234 KTLX 99.7 TX Tye-Abilene, r\$ 964
 (o/WSHW 99.7 IN Frankfort) 57

July 1991 (cont'd)

8 Es
 1241 KMAD 102.3 OK Madill, k\$ 760
 (ads for Tishomingo & Johnston County)
 1250 KKAJ 95.7 OK Ardmore, k\$ 768
 1300 KCBI 90.9 TX Dallas-FW, g\$ 814
 1302 KYKS 95.9 TX Mineral Wells, k\$ 865
 1313 KKHR 98.1 TX Anson, o\$ 961
 1317 KBST 95.3 TX Big Spring, r\$, 1030
 "K-Best 95"
 1335 KMOC 89.5 TX Wichita Falls, g\$ 843
 1344 KVRP 95.5 TX Haskell, k\$ 952
 1110 (o/WFMS 95.5 IN Indy) 50
 1427 KTXF 88.1 TX Lubbock, p\$ 1017
 1500 KTLF 90.5 CO GO Springs, g\$ 1040
 ex-89.7

Meteor Scatter Results:

4/4 KKCK "...The 101 satellite forecast for Kanab, partly sunny skies today with high temperatures in the lower 70's, and then later on tonight..."
 4/13 KOSI "...museum at KOSI..."
 4/22 WCIE "...The Central FL weather forecast calling for mostly sunny skies today with a high of 80..."
 KTSD "...This is Sioux Falls, South Dakota public broadcast..."
 5/7 WJIS "...WJIS..."
 6/6 KLOL "...It's 78 degrees in downtown Houston right now..."
 (Very little meteor activity this time)

6/7 WNOE "...Joe Giffy on Country-101 WNOE..."
 6/10 WNOE "...showers continuing over Southeast Louisiana..."
 KLOL "...and the same thing goes for here in the Montrose, it's 72. Enuff 2'Nuff, this is their latest from brand new Strength CD - Mother's Eyes on 101-KLOL Houston's only choice for the best new rock..."
 6/28 WJIS "...553-WJIS..."
 7/8 WUWF "...to the world's finest beaches and WRSE-TV, your public television station..."

When I had problems finding certain stations, Andy Bolin kept telling me, "You need a phase box!" I told him I would buy one if he was interested. Andy and his friend, Dennis Jacob, were planning to attend the Dayton, OH Ham Fest on the last weekend of April and made a detour to Muncie on their trip, arriving here on the morning of April 25. We spent many hours buying supplies for mounting a second Stereo Probe 9 on my house. The new antenna is mounted on a five foot tripod. It is 23 feet from my old Probe 9 which is on a tower. Andy had the box built and ready to install. It is a small box three inches high and six inches long which has two knobs on the front of it. The knobs on the box and an attenuator are used together to null out semi-local signals. The best results is to aim both antennas at the desired station. Then you adjust the knobs on the box with the attenuator to find the null you want, hoping to "kill" the strong signal and pull in the desired station behind it. Conditions were dead while Andy was here, but before he returned to Charleston, we were able to find Class A's in Fort Branch and Washington, IN over semi-locals, aimed right at them! When I have a tr or Es opening, I search for stations that were before impossible to hear. Conditions have been quite dead this spring, but the box certainly has helped in finding a few new stations. The phase box has other features: It searches for nulls in a 360 degree circle and can actually "lift" a weak signal out of the noise. Andy felt his setup with a probe 9 and CM crossfire TV antenna created stronger nulls than I am getting with my system. His antennas are 28 feet apart, while mine are 23. Perhaps the spacing of the antennas has something to do with it. However, I am very pleased and will never regret adding this handy device to my system. After having it a few months, I couldn't live without it! Just in case anyone is wondering, both antennas have their own rotors. Working two rotors is no problem. Andy has also built phase boxes to help his TV DXing. One box is for channels 2-6, while the other is for channels 7-13. He is able to "wipe out" his semi-locals in Terra Haute, IN and Champaign, IL. I also had Andy and Dennis install a new rotor on my TV antennas. The old one was nearly dead. Andy was very impressed with my UHF reception. My 7 foot dish is close to 50 feet above the ground, while his is not that high. Now my house really looks crazy with two FM antennas and two TV antennas. I have seen some people driving past craning their necks wondering what must go on here! As yet, none have piled up their cars. To conclude, Bob Zent visited me in May from Huntington, IN. He seemed to like my new setup. He also helped me replace a broken guy wire on my TV tower. This has been a dismal year for Es/tr/MS/Au.

73. Ralph

4BRUCE HALL - 5 STIRTON AVE - BRANTFORD, ONTARIO CANADA N3T 1E2

Equipment: JVC JRS201 receiver (mod w/3 150 filters) Magnum Dynalab singal slueht, Stereo Probe 9 fed with RG6 at 50 AGL, crown rotor. Distances are in kilometres

MAY 20, 1991 TrS
0841 **WKBI** 94.3 OH Celina-St. Marys, K94, r, confusing with WKBI 94.3 St. Marys too, considered possible new non-ID for WKBI (Bruce WKBI is now "Rocket Radio" -gc) 469

JUNE 1991 DX
2 TrS
0715 **WSTD** 96.9 MI Standish, "56 degrees in Standish", calls, music by the Rascals 313
0741 **WXBQ** 96.9 TN Bristol, k, "Good Morning WXBQ" Finally a TN logging. 14 month search since APR/90. 30th state!! 759

3 TrS
0706 **WCBA** 98.7 NY Corning-Elmira, mr, local carpet ad, "98.7 CBA-FM", John Denver mx
4 MS
0731 **WQIK** 99.1 FL Jacksonville, k "The birthday list straight ahead here at WQIK so stand by for that." Relog, previous MS too. Req QSL 1426

6 TrS
0726 **WCLG** 100.1 WV Morgantown, CLG-FM 319
7 TrS
0621 **WNUY** 100.1 OH Bluffton, "New Y100" r 400



MIKE CHERRY - BOX 631 - GANGES, BRITISH COLUMBIA V0S 1E0 (604) 537-5201

ANTENNA: Linsday 10-element, wide-spaced beam @ 60' on Hy-Gain CD-45II rotor.
EQUIPMENT: Sansui SX-1070B stereo receiver, Toshiba SA500 receiver (analog tuning), ch. 6 xtal trap, Magnum 150 slueht bandpass/pre-amp/attenuator. Mobile: Toyota ETR FM stereo receiver and stock whip (@=mobile). Distances in miles.

MAY 1991 DX
13 Tr
2108 **KZZL** 99.5 WA -ads, rodeo promo, k 324
2124 **KHEZ** 103.3 ID - EZ103, nostalgia mx
2127 **KBSU** 90.3 ID - promo for Morning Edition (over KCMU) 499
2129 **KTSY** 89.5 ID - ez Christian mx 499
2133 **KJOT** 105.1 ID - ad, wx, AC music
2139 **KSRV** 96.1 OR - PSA, ID, k mx
2151 **KCMB** 104.7 OR - Country 104.7, weak, a tough one to catch!

2159 **KBSM** 91.7 ID, - NPR ID, local ID not audible (assumed station)
2208 **KREA** 91.7 ID - local ID with j, not the same signal as above

14 Tr
1100 **KBCS** 91.3 WA \$ f mx, ID, promo 104 (local K217AY off)

17 Es/E-E
2336 **KRTN** 94.3 MN - mentioned Cofax Co.
2339 **KSPK** 102.3 CO - K102, Country ad
2343 **KRZA** 88.7 CO CHR with ID
2359 **KELT** 94.5 TX, ID with Harlingen and McAllen, K-Lite 2084!

18 E-Es
0002 **KRIX** 99.5 TX 99X ID ans AOR mx (Mike, Are you sure it was them you heard? They had switched formats, to top 40-modern rock: KRGY "Energy 99.5" Maybe it was something

June 9 GW
0858 **CJFT** 101.1 ON Ft. Erie, \$ Standards, "Rich Blend 101.1 where great songs have gone" Followed by Pete Fountain music 110

11 Tr/GW
0631 (**WXCD**) 102.7 MI Mt. Clemens, j, CD-102.7 "As we continue our smooth sounds of Pat Metheny on the new CD 102.7 WXCD" Ex: WKSG, Oldies 102.7 230
0713 (**WMXE**) 103.7 PA Erie, rS, "The best mix of the 60s, 70s, 80s, and 90s is MIX 103.7" 115

12 TrS/AU
0642 **WWWM** 105.5 OH Sylvania, r, 3WM 336
2208 **WKKI** 93.3 OH Chillicothe, rf, distorted "WKKI 93.3" followed by REM "Losing My Religion". Scanned dial with probe NNW due to solar storms. 2nd Au logging 483

17 MS
0633 **KEZZ** 94.3 MN Aitkin, rm, strong burst but calls only 1207

19 MS
0707 **WRLE** 94.3 WV Fairmont, op, 94 Rock calls and mention of Fairmont 391

20 MS
0557 **CHIO** 94.3 MB Winnipeg, ment of Winnipeg, Q94 (1518), 73DB

that you heard coming in. Unless they have gone back to 99X. Do any members in Texas know who might be running "99X" slogan on 99.5? -gc)
0004 unID 90.1 Spanish lang., sounded like news, XHRYS?? (There is another one on on this freq: XHUA Chihuahua, "Estereo Vida"-gc)
0006 **KFGG** 88.7 TX g, gave local church PSA and music 1999
0014 **KXVR** 99.5 CA ID with KRXY 98.1, MOR
0022 **KZZZ** 94.7 AZ wx, K-Triple-Z

21 Es
1333 **KVSR** 97.9 SD, ID, relig. program
1338 **KILI** 90.1 SD, ID, Native Amer. music
1343 **KTNE** 91.1 NE Nebr. Public Radio 1100
1843 **KHIH** 94.7 CO K-High, AC music
1854 **KUNC** 91.5 CO c- concert mx, ID

24 GW
0800+**CKZZ** 95.3 BC, rs, "Zed 95.3 FM", \$. new Vancouver stn 42

JUNE 1991 DX
4 Au
2300 **CBR** 102.1 AB, CBC Alberta ID, nx 438
2347 **KOFI** 103.9 MT, k, Coffee 104.1 ad 423
5 Au
0957 **CHFM** 95.9 AB Calgary's Music 96 438
0959 **KCDA** 103.1 ID & UPI news
1014 **KPQ** 102.1 WA, Q-102, prev tropo 185
2137 **KMBL** 107.9 WA, music, ID, prev tr 299
2144 **KPBX** 91.1 WA, j, prev Tr/Au 299

6 Tr
0812 **KFAE** 89.1 WA, Morning Ed. lcl ID 279
0832 **KFFM** 107.3 WA, K Double FM, CHR 213
MIKE'S COMMENTS ON NEXT PAGE ->

MIKE CHERRY'S COMMENTS.

Double Es night of May 17/18 also on TV and 6 meters. Strong signals before single hop Es dominated. Note unusual time of day for FM Au on June 5. MUF finally fizzled out at 1530 that afternoon. Lights were intense that night and Au reported as far south as San Francisco here on the west coast!! Sporadic E-skip has been a bit disappointing so far other than the E-E treat down into South Texas. Hopefully the best is yet to come and that the season is just late. As observed from here most Es openings (and there have been fewer hours than last year) have a MUF of just barely past 51 Mhz and most have been to the central coast and southeastern parts of California. Hope others have had double hop treats. 73\$.....Mike VE7SKA

JOHN EBELING - 9209 VINCENT AVE - BLOOMINGTON, MINNESOTA 55431

FROM HOME AT BLOOMINGTON, MINN:
JUNE 1991 DX

3 Es
2100 **KJZZ** 91.5 AZ Phoenix
2122 **KOMP** 92.3 NV Las Vegas "The Rock of Las Vegas"
2123 **KUNV** 91.5 NV Las Vegas
2125 **KCEP** 88.1 NV Las Vegas, fund raiser
5 Tr
0755 **KIDA** 92.9 IA Ida Grove

Well, that's it. For the whole month of June; A "prime" Es month. Rather poor, I would say. Regards, John Ebeling

FROM THE CABIN AT ALBORN, MINN:
JUNE 1991 DX

9 Es
1655 **KSBJ** 89.3 TX Humble/Houston
1659 **KEDM** 90.3 LA Monroe
1702 **KLDN** 88.9 TX Lufkin
10 Tr
1600 **KLJZ** 99.1 MN Walker (new-rebroadcasts KLJZ Brainerd, with SCA also)

DANIEL E. OETTING - 22 CAMBRIDGE LANE - EXTON, PENNSYLVANIA 19341

Equipment: Harmon Kardon Citation 23, Yamaha T-70, Archer 20db FM amp, rabbit ears

MAY 1991 DX
29 Es 1358-1405 MUF soars from 88.7 to 107.9+

1359 **WMCU** 89.7 FL Miami, g
1405 **WTMI** 93.1 FL Miami, i
1405 **WCMQ** 92.3 FL Hialeah, SS
1407 **WLVE** 93.9 FL Miami Beach, rmj
1407 **WZTA** 94.9 FL Miami Beach, pr
1407 **WINZ?** 97.3 FL Miami, ads (Dan, the calls are WFLC "Coast 97"-gc)
1408 **WIRK** 107.9 FL W. Palm Beach, k, ID
1408 **WQBA** 107.5 FL Miami, SS
1408 **WHYA** 100.7 FL Ft. Lauderdale, r
1410 **WJQY** 106.7 FL Ft. Lauderdale, rm
1410 **WAXY** 105.9 FL Ft. Lauderdale, rm

lousy audio processing
1410 **WMXJ** 102.7 FL Pompano Beach, o
1411 **WSHE** 103.5 FL Ft. Lauderdale, pr
1414 **WEDR** 99.1 FL Miami, s
1416 MUF back down to 93.1. I exit to work. Came back to car radio at 1700 and still noted Es!
1710 **KJEF** 92.9 LA Jennings, ID, news

JUNE 1991 DX
12 GW
1750 **WYBF** 89.1 PA Radnor Twp, pr

Some half-decent E-skip to start the season, but all from the south - FL, GA, AL, MS, LA. There was an intense geo-magnetic storm on June 5 that should have sparked some good auroral DX but I missed it. WWV reported an A index of 151! That's the highest storm index I've seen since 1983. New semi-local now on the air: 89.1 WYBF Radnor Township, PA, operated by a community college (971-8453). Station seems to come on the air randomly. Format: Progressive rock. That's All For Now! Chow! Dan

3-11-91
Greg Coniglio-NFMDX
5100 Glenwood Drive
Williamsville, NY 14221

SEND IN
A
REPORT
TODAY!



FRED NORDQUIST - 7945 BOXFORD ROAD - CLAY, NEW YORK 13041

Equipment: Receiver-Carver TX11a modified with five 150khz filters. Antenna- Two CM Stereo Probe 9's horizontally stacked at 35' AGL, CAC11 75 ohm coax, home brew tunable band pass filter. Underlined new to log (with stereo). Dashed underlined new propagation mode

JUNE 1991 DX

5 Tr
1925 C-- 100.3 ON Ottawa, testing with oscillator, no ID

5 Au
1955 WMBI 90.1 IL Chicago, USA Radio News, EBS Test

2024 WRKZ 106.7 PA Hershey, k ID, previously via tropo

22 GW
1116 WXHC 101.5 NY Homer, Hometown Radio, r, (RS)

29 Tr
0002 WFSU 91.1 PA State College

JULY 1991 DX

1 Es. TX LAAFL 1242-2205 MUF of 108 Mhz at 2015

1239 KETX 92.3 TX Livingston, ID, ex 92.1

1251 KLA 103.5 LA Tioga, LA102, k, ad

1306 KVRP 95.5 TX Haskell, k, ID

1333 KJEF 92.9 LA Jennings, (ex 92.7)

1652 WTTT 90.1 FL Crestview, g local ads (l-gc), ID

Totals at 1566. Es CX finally activated in early July, most likely caused by more active wx disturbances creating upper level turbulence (creating Es clouds) after a long spell of stable Bermuda Highs in May and June (my theory) (Very interesting theory. Some people also think the aurora was to blame-gc)

JEFF FALCONER - BOX 63 - CLINTON, ONTARIO N0M 1L0

Equipment: Magnum Dynalab FT101A, Probe 9 at 27' w/rotor, RG-11u feedline, Magnum Dynalab amp

JUNE 1991 DX

7 Es
1943 KSHU 90.5 TX Huntsville, r\$ 1192

1948 KIKK 95.7 TX Houston, ads, ID\$ 1237

1950 KWVS 97.5 TX Kingsville, \$, PSA for Engleside Naval Station, ID 1446

8 Es
1159 WSCF 91.9 FL Vero Beach, g\$ Christian 92 1094

1201 unID 92.9 ?? rm\$, Lite 93 FM, promo for Fawcett Hospital (Try WQLM-FL-gc)

1211 WNGS 92.1 FL West Palm Beach, rm\$ Lite 92 FM 1175

10 TrS
0740 WKLT 97.5 MI Kalkaska, r\$, KLT 201

20 Es
1600 WRMB 89.3 FL Boynton Beach, g\$, South Florida news

26 Tr
2144 KLYF 100.3 IA Des Moines, r\$, ID 627

2200 WPNE 89.3 WI Green Bay, c\$, ID 328

2204 WPRE 94.3 WI Prairie du Chien, Brewers baseball, mono, prev MS 499

2212 WAPL 105.7 WI Appleton, r\$, ID 355

2223 WMYX 99.1 WI Milwaukee, ads\$ 324

2234 KUNI 90.9 IA Cedar Rapids, r\$, ID 532

27 Tr
1901 WROE 94.3 WI Neenah, rm\$ 357

1909 KDMI 97.3 IA Des Moines, g, mono 627

1911 WLTO 97.3 WI Milwaukee, rm\$ 324

JULY 1st E-s conr

2003 WOLM 92.9 FL Punta Gorda, Lite 93 FM 1168

2026 WEVY 104.5 FL Atlantic Beach, Rock 105 930

2049 WILN 105.9 FL Panama City, Island 1061041

2100 WBKL 103.3 FL Callaway, SID, Cool 103 Oldies, ID 1031

2136 KTMJ 104.1 TX Tyler, SID, Magic 104 1285

2 Es. MN SD WJSD 1108-1340 MUF 106.7 @ 213

1114 KCGN 101.5 MN Ortonville, wx, ID 1017

1134 KFGO 101.9 ND Fargo, Magic 102, ads 1042

1145 KOOL 95.1 ?? K-double-O-L, Cool 95 where? (I think this is KDDL, Pred-gc)

1200 WGMO 95.3 WI Shell Lake, g, ABC nx 799

1207 WLDY 92.7 WI Ladysmith, lcl nx 762

1234 WOJB 88.9 WI Hayward, c, NPR, ID 781

1230 KNSR 88.9 MN Collegeville, ID, nx 917

1237 KKCK 99.7 MN Marshall, lcl ads, SID, r 984

1243 KXSS 103.7 MN Waite Park, lcl ads, wx 910

1303 KBRK 93.7 SD Brookings, ID, TC, nx ex KGKG 94.3? (Yes-gc) 1035

1315 KEZZ 94.3 MN Aitkin, wx, ID, r 893

1325 KYYY 92.9 ND Bismarck, Y93, r, nx 1231

JEFF FALCONER'S REPORT CONTINUED-

JUNE 1991 DX

28 MS
1550 KZEN 100.3 NE Central City, "in Norfolk we are giving away fireworks"

29 Es
1254 WGMX 94.3 FL Marathon, ads\$ The All New WGMX 1288

1311 WFLZ 93.3 FL Tampa, ads\$ 1057

1316 WTJT 90.1 FL Crestview, g\$ 925

1317 WEGS 91.7 FL Milton, r\$, ID 941

1320 WSRX 91.5 FL Ft. Myers, rs\$, Spark 1157

1342 WGSX 89.5 FL Mayo, g\$ 928

1418 WKJN 103.3 LA Hammond, k\$, Cajun 103 996

1429 WFLC 97.3 FL Miami, wx, Coast 97 ex: WGTR 1218

JUNE 28 E-skip continued

1439 WGN 98.1 FL Titusville, k\$, ads 1020

1442 WXDJ 95.7 FL Homestead, ads in SS 1233

1443 WQPW 95.7 GA Valdosta, Power 96 863

1445 WRMB 89.3 FL Boynton Beach, local announcements\$ 1168

1456 WDDQ 92.1 GA Adel, travellers info 852

1459 WFSQ 88.9 FL Tallahassee, j\$, ID 929

1504 WOLRt 91.3 FL Lake City, g, mono faded at ID time

1653 KITE 92.1 TX Kerrville, rm\$, Kite Radio 1364

1700 KLRX 97.9 TX Dallas, rm\$, The All New Lite 97.9 FM, ex KKWM 1130

1703 KAJA 97.3 TX San Antonio, k\$, KJAY 1353

1706 WRR 101.1 TX Dallas, c\$, ID 1130

1708 KVIL 103.7 TX Highland Park, r\$, ID 1108

A good tropo opening June 26-28 followed by a good Es session on the 29th (MUF up to 107.5). Hope everyone is hearing lots of new ones, 73

ROBERT S. ROSS - VE3JFC - BOX 4373 STN C - LONDON, ONTARIO N6A 5K1

Equipment: Marante 2226B receiver, FM beam for antenna

MAY 1991 DX

24 Tr
0016 WGM 90.1 NY Greece, "WGM Town Crier", ID, mentions of Rochester, NY

29 Es
2008 WRBH 88.3 LA New Orleans, YL talk about New Orleans Social Services

2018 KSMB 94.5 LA Lafayette, calls, promo

2046 KDEA 99.1 LA New Iberia, soft rock

31 Tr
2333 CBOF 90.7 ON Ottawa, OM TX, FF "Ici Radio Canada", "CBOF- Bonjour"

JUNE 1991 DX

1 Tr
0054 (WMJT) 100.9 MI Piconning, rock mx, ID as "The Switch is on to the new Maic 101 Bay City, Saginaw, Midland"

0117 WBLK 93.7 NY Depew, Power 94

2218 WYTN 91.7 OH Youngstown, gospel mx, Family Radio, Oakland, CA address

2 Tr
0008 WFRJ 88.9 PA Johnstown, Bible Readings, Family Radio, legal ID

2351 WBWC 88.3 OH Berea, calls, oldies pgm

3 Tr
0100 WBNI 89.1 IN Ft. Wayne, legal, blues

8 Es
1059 WRMB 89.3 FL Boynton Beach, gospel mx, PSA, calls by YL at 1200

1146 WXEL 90.7 FL W. Palm Beach, calls, c

1915 KGRM 91.5 LA Grambling, legal ID, dance music, spot for USAF

9 Es
1837 KGNZ 88.1 TX Abilene, Gospel Rock

1851 (KNIN) 92.9 TX Wichita Falls, wx KBID "KNIN 92.9" spot on Americans in war

1855 KNON 89.9 TX Dallas, local concerts (Robert, they are on 89.3 I think-gc)

1902 KSCS 96.3 TX Ft. Worth, C/W, calls

10 Es
2137 CBAF 88.5 NB Moncton, OM DJ TX FF jazz pgm // 88.1 in Charlottetown

2137 CBAF29 88.1 PEI Charlottetown, same as above in // each other. Nice NE Opening

12 Tr
0156 (WMXE) 103.7 PA Erie, rock mx, "WMXE Erie, Mix 103.7", ex: WCCK

13 Tr
1938 WMUB 88.5 OH Oxford, classical, calls

14 Tr
0746 WIDL 92.1 MI Caro, calls, ex 104.9

0857 WDBI 107.3 MI Tawas City, calls, ID with East Tawas and Oscoda, ads, nx, sps, wx

16 Es
1815 WDDQ 92.1 GA Adel, ads for "Exit 10 I-75 in Georgia", Adel Truck Stop adv

1819 WGPC 104.5 GA Albany, ads for Albany, GA businesses

1823 WGLF 104.1 FL Tallahassee, ID as Gulf 104, Home of Rock and Roll"

1823 WDFL 106.3 FL Cross City, c/w, calls

1833 WKTK 98.5 FL Crystal River, calls

1835 WDMG 99.5 GA Douglas, local ads and ID as "The Heat 99.5", rock music

1838 WYU 92.5 FL Safety Harbor, U-92 oldies, 50s music

1840 WNF 94.3 FL Lake City, B94 forecast for N. Florida, "B94-WNF", rock mx

17 Tr
0725 WVNP 89.9 WV Wheeling, WVA Public Radio, PBS Talk program

0737 WOVK 98.7 WV Wheeling, country song

0743 WBZW 107.7 OH Loudonville, wx, sopot for Arts Ctr in Wooster, "107.7", jazz type mx

18 Tr
0014 CJFT 101.1 ON Ft. Erie, MOR, c/w, and soft rock mx, on air testing as "FM 101.1". In // with 530AM: STATION #700 LOGGED

18 Es
0030 CHLQ 93.1 PEI Charlottetown, c/w syndicated program called "Star Country" (I've heard the same thing on CKAT 101.9-gc)

CBAF29 88.1 Charlottetown also in. Called station to confirm reception.

KEN ONYSCHUK - 13612 WENTWORTH AVE. - RIVERDALE, ILLINOIS 60627

Equipment: GE Superadio, 10 years old.
 June 30: At this writing I've been unemployed 2 1/2 months, 78 Olds with AM radio only was totaled in an accident earlier this month. My 2 sons, working part-time at a car dealership, put down enough for another 78 Olds with AM-FM. FM reception is pretty good for this DX-conscious veteran. 6/30: The oppressive heat/humidity sent me out to my local park 1/2 block away. DX on FM was interesting after 7pm. 90.5 WNIJ was one heard at 8pm, nice signal, then into lite jazz, then I managed to loopit and heard details of a PR telethon on APR then a Madison, Wis. mention; like a network feed. Any ideas? (Ken, could it have been 90.7. In that case, WHAD Delafield, WI would fit-gc). A little down the dial, 88.1 WCRX-rr, .5 WHPK-rap & rr, .7 WLWU dance/T40' 89.3 WKKC more rr, .5 WNIU more rr, .7 good signal on WONU Kankakee, local wx temps, then 90.9 WDCB solid; 91.5 WBEZ; .9 WJCH rel; 92.3 WYCA, 30 kw my local-gospel pest, ruins 92.1 DX. I've got a lot of time, I'll try to DX FM despite being only 1/2 mile south of Chicago. Overall total is 141, still trying to log all the Milwaukee FMers. Enjoy the reports in your column (Thank you!-gc). Yeah it was a sad day in Chicago radio. 1974. 103.5 WKFM changed to WFYR, our 1st rock oldies station. It did well until 1985 I think, when 104.3 WJJD changed to WJMK, and gave WFYR tough competition. In 89 or so WFYR changed to AdC and finally bit the dust. Was sold to new owners and changed to WWBZ-AOR-The Blaze. WJMK is still strong. Recently WLNR Lansing changed to WJPC = 950 AM. Weird, a black adult soft pop station. At 3kw it has no interference in N.E. Illinois. Ken O.

BILL NOLLMAN - 35 NYE RD. - GLASTONBURY, CONNETICUT 06033

(203) 633-2490, Equipment: Carver TX11A 2/110 khz, 3 150 khz filters, Probe 9 (sort of) in attic.

MAY 1991 DX

20 Tr typical excellent summer Tr
 2155 WSLT 106.3 NJ Oceac City 185
 2157 WFMF 94.7 NJ Newark 100
 2158 WAVY 95.1 NJ Atlantic City 175
 2200 WYFI 99.7 VA Norfolk, g 375
 2207 WVES 99.3 VA Accomac 310
 2210 WBNJ 105.5 NJ Cape May, JOY 105 210
 2221 WZXL 100.7 NJ Wildwood 200
 2222 WKXW 101.5 NJ Trenton, New Jersey 101.5 150
 2226 WSJL 102.3 NJ Cape May 210
 2227 WOLC 102.5 MD Princess Ann 290
 2233 WMXN 105.3 VA Norfolk, MIX 375
 2236 WREZ 94.1 VA Yorkton, k 380
 2240 WMVB 97.3 NJ Millville, BOSS 97 200
 2300 WNNN 101.7 NJ Canton 200
 2302 WAFI 97.7 DE Milford 230
 2308 WVLT 92.1 NJ Vineland 190
 2312 WQHQ 104.7 MD Oc City, Q105 250
 2314 WFAS 103.9 NY White Plains 75
 2318 WVES 99.3 VA Accomac, SIGN OFF!
 2318 WMID 99.3 NJ Pleasantville 170
 2326 WKYJ 98.3 NY Hempstead 95
 2332 WFOG 92.9 VA Suffolk 390
22 Tr
 0735 WEZF 92.9 VT Burlington 190
 0739 WOKO 98.9 VT Burlington 190
24 GW
 1245 WKBK 98.7 NH Keene, MONO talk, ABC news 75
27 Es and Tr
 1139 WAAC 92.9 GA Valdosta, C93 975
 1159 WRIT 90.1 PA Philadelphia 160
28 GW and Tr
 2100 WGNV 103.1 NY Newburgh 65
 2101 CKBY 105.3 ON Ottawa, k 300
29 Es
 1921 KBEZ 92.9 OK Tulsa 1300

MAY 29 Es cont.

1926 KTLS 93.3 OK Ada 1400
 1933 KTMO 98.9 MO Kennett 1025
 1937 KNIN 92.9 TX Wichita Falls 1500
 1952 KAYO 97.7 MO Warsaw 1100
 2002 WKKR 97.7 AL Auburn, KICKER FM 970
 2010 WQUE 93.3 LA N.Orleans, Q93 1260
 2030 WRBH 88.3 LA New Orleans 200
 2034 WEZZ 97.7 AL Clanton, Triple A Baseball 975
 2035 WEZB 97.1 LA N.Orleans, B97 1260
 2109 WJMI 99.7 MS Jackson 1160
JUNE 1991 DX
7 Es
 2000 KTLC 99.7 TX Tye-Abilene 1625
8 Es
 1845 WMFQ 92.9 FL Ocala, Q-Lite 1040
10 Tr
 1800 WPAT 93.1 NJ Paterson 90
 1804 WOCE 94.9 MA W Yarmouth 110
 1807 WMVY 92.7 MA Tisbury 100
 1810 WCOD 106.1 MA Hyannis 110
 1814 WEXR 93.5 MA Harwich, FOX 120
 1819 WFAI 101.1 MA Falmouth, "F101" 100
 1824 WFHN 107.1 MA Farihaven 85
 1836 WATD 95.9 MA Marshfield 100
18 Tr
 2041 WPOP 101.9 ME Portland 180
 2046 WMGX 93.1 ME Portland 180
 2052 WHDQ 106.1 NH Claremont, Q106 100
 2055 WABK 104.3 ME Gardiner 200
 2057 WPKM 106.3 ME Scarborough 175
 2101 WHYR 95.9 ME Saco, r-96 160
 2102 WOKO 97.5 NH Dover 125
 2108 WCOL 95.3 ME York Ctr COOL 95.3 125
 2110 WYNZ 100.9 ME Westbrook, Y-101 180
 2110 WCLZ 98.9 ME Brunswick, The Breeze, strict nonID 195

BILL NOLLMAN's REPORT continued

JUNE 18th Tr

2111 WYGL 93.9 ME Lewiston, EAGLE 94 200
 2117 WGIB 101.1 NH Manchester 100
 2118 WHEB 100.5 NH Portsmouth 125
 2133 WYQU 97.1 ME Bangor 290
 2140 WMMF 92.5 ME Augusta, 92 MOOSE 250
 2201 WJYY 105.5 NH Concord, JOY 110
 2215 WISA 96.7 VT Brattleboro 75
 2216 WKVT 92.7 VT Brattleboro 75

19 Tr

0602 WZRT 97.1 VT Rutland, Z97 130
 0606 WJJB 98.1 VT Rutland 130
 0624 WMDL 92.1 NH Peterborough 90

20 GW

2040 WZAD 97.3 NY Wurtsboro this one heard in car 90
 2111 WNYU 89.1 NY New York 90

21 GW

0700 WXPS 107.1 NY Briarcliff Manor, EXPRESS 80

22 Tr-GW

1418 WBBS 105.1 MA Great Barrington, brite lite 80

23 GW-TrS

0405 WXPB 88.5 PA Philadelphia WFCR off! 160
 0408 WWEB 89.9 CT Wallingford, 10w rltz WWHU 91.3 and IDs with both 90
 0415 WSOU 89.5 NJ S Orange 90
 1733 WMYY 97.3 NY Schoharie My Country 110

25 GW

0700 WAMK 90.9 NY Kingston 75

30 ES

2144 WECL 92.9 WI Elk Mound 975
 2205 WLRW 94.5 IL Champaign 840



87 NORTH HILL STREET THUNDER BAY, ONTARIO P7A 5V6

GREG CONIGLIO - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NEW YORK 14221

Equipment: Carver TX11 now modified (Thanks Dave Nieman for helping out with that)

MAY 1991 DX (forgot these last month-oops!)

13 TrS: All Toronto FM/TV are off!
 0200 WQIU 107.1 PA Mifflintown, g IDs with Lewiston 171
 0200 WGRX 100.7 MD Westminster, "100-GRX 100.1 in Baltimore", classic rock (op\$) 255
 0206 WSSZ 107.1 PA Greensburg, Z107 187
 0210 WMXP 100.7 PA N. Kensington, Mix Jams 100.7 over WMMS & WGRX 169
 0212 WEYZ 107.1 PA Scranton, Rock 107, rp\$ 190
 0218 WYSP 94.1 PA Philly, op\$, calls 281
 0250 WTLZ 107.1 MI Saginaw, s\$, calls 252
 0250 WTLT 107.1 OH Circleville, gr\$, calls almost confused with logging above but format distinguished. Very strong for only 3kw 321
 0300 WOLW 91.1 MI Cadillac, g // WPHN 343
 0827 WNTI 91.9 NJ Hackettstown, good MONO, "Monday Monday" 250
 1035 CKNX1 104.9 ON Meaford, // CKNX 101.7 5 watt translator 172

2111 WJDX 96.3 MS Jackson MIX 96 1160
 2112 KSMB 94.5 LA Lafayette 1325
 2114 WZLO 98.5 MS Tupelo, Z99 1075
 2115 KTUX 98.9 TX Carthage, Tux 99 1320
 2118 WAGR 102.5 MS Lexington 1140
 2120 WJMI 99.7 MS Jackson Power 99 1160
 2121 KNOE 101.9 LA Monroe 1250
 2130 KMYQ 100.1 LA Bastrop RIVER 1230
4 MS
 1056 WJMI 99.7 MS Jackson 1160
JULY 1991 DX
1 Es
 1949 WBKJ 105.1 MS Kosciusko 1100
 1951 WZHT 105.7 AL Troy 1000
 1952 WHSY 104.5 MS Hattiesburg, MIX 875
 2000 WVEE 103.3 GA Atlanta 875
 2000 WKJN 103.3 LA Hammond Cajun 103 1270
 2001 WKKR 97.7 AL Auburn, kicker 2006 WLMX 105.5 GA Rossville, Mix 105 845
 2009 KQXL 106.5 LA New Roads, Q106 2012 WAKH 105.7 MS McComb, K106 2018 WXBW 102.7 FL Milton 1110
 2020 WKSM 99.5 FL Ft. Walton Beach Power 99.5 Kiss FM 2024 WGSY 100.1 AL Phenix City 940
 SUNNY 2028 KXKZ 107.5 LA Ruston, BigZ 1270
 2030 WNLA 105.5 MS Indianola 1150
 2039 WSTZ 106.7 MS Vicksburg Z-106 1190
 2048 WOHT 95.5 MS Jackson 1160
 2050 WDLJ 96.9 MS Indianola 1150
 2052 WEZB 97.1 LA N.Orleans, B97 2052 WOKK 97.1 MS Meridian 1110
 2053 WYLD 98.5 LA New Orleans 1260
 2057 WAPW 99.7 GA Atlanta 875
 2100 WYNK 101.5 LA Baton Rouge 1280
 2105 KRMD 101.1 LA Shreveport 1320

June was a very big disappointment as far as DX goes. I can't remember receiving so little DX in any June! Not much skip, and very little tropo also. Hope the start of July is a good sign for what July may hold (but I guess we know now as we read the VUD how it turned out, hi) in the DX department. As for my travel DX, something possessed me to check for skip, and sure enough there it was! I pulled off the road and grabbed my FM Atlas out of the trunk and caught a little skip. Unfortunately I was about halfway between Raleigh and Kingsport so I couldn't get to either to log some of this. When I got to Kingsport about 1400 things were fading out on TV. My logging of WSOQ marks #700 for the Kingsport log. Raleigh total is now up to 357. I set a goal of 500 by the end of summer awhile back. It looks unlikely now. 73's.

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

Equipt.: McIntosh MR-78, Probe 9

6/2 ms
2307 WLTJ 93.1 MI Detroit, prev. Es
6/3 Es
0038 KPSDt 97.1 SD Faith
0050 KRCS 93.1 SD Sturgis, k, ID
0054 KMKK 93.9 SD Rapid City, "Magic 93.9"
0101 KILI 90.1 SD Porcupine, s/off
1138 RJR 90.5 Jamaica, talk, \$
1139 JBC 97.3 ", "Public Eye" prog., \$
1141 FAME-FM 95.7, Reggae, \$
1141 unID 91.5, //95.7 FAME
1146 JBC 98.7 Jamaica, \$
1146 JBC 103.9 ", \$
1150 RJR 104.5 ", \$
1156 IRIE-FM 105.5 ", \$, ID, //107.7
1157 IRIE-FM 107.7 ", \$, ID
1158 RJR 101.3 ", \$, ID, g prog.
1200 JBC 97.1 ", "JBC Radio One", \$
1210 R.Wave 102.9 ", "R. Waves, Super Hot 102.9"
1213 JBC 92.1 ", \$, b //91.1
1218 CUBA 93.5 Santa Clara, \$
1222 KLAS 89.9 Jamaica, "FM-89", ID, \$
1235 WFKZ 193.1 FL Plantation Key, ID
1236 unID 103.9 SS, S
1240 R. Bahama 107.1 Bahama, mono, r
promos
1241 JBC 100.3 Jamaica, wx, \$
1242 MUF 108.5 VOR
1246 WXDJ 95.7 FL Homestead, SSad/Miami
1250 WKZY 92.5 FL La Belle, k, ID, ex 92.1
1251 WRXK 96.1 FL Bonita Springs, "96K-Rocks"
1253 WHEW 101.9 FL Fort Myers, k, ID
1256 WCMX 94.3 FL Marathon, ad
1258 WZMQ 103.9 FL Key Largo, ID //WCMQ 92.3
1301 WRTO 98.3 FL Goulds, SS, \$, ID
1305 WOCSS 88.9 FL Fort Pierce, Vero Beach wx
1306 WDNA 88.9 FL Miami, ID
1308 TO4-5 104.5 Bahamas, r, "\$104.5 FM", ads
1309 WTRK 107.9 FL W. Palm Beach, ID
1313 WGYL 93.5 FL Vero Beach, b, ID
1315 WCMQ 92.3 FL Hialeah, "FM Noventa y dos"
1319 WMCU 89.7 FL Miami, ID
1320 WEOF 92.5 FL Key West, "Wow 92.5"
1326 WSRX 91.5 FL Fort Myers, promo
1327 WAYV 88.7 FL "
1330 WOLM 92.9 FL Punta Gordo, wx, Lite 93
1334 WAVW 101.7 FL Vero Beach, Wave 101.7, k
1341 WCTH 100.3 FL Plantation Key, Ketch FM
1347 WAFQ 90.3 FL Ft. Lauderdale, ID
1348 WKPX 88.5 FL Sunrise, ID
1400 WKEL 90.7 FL W. Palm Beach, ID
1413 CMJP 88.3 CUBA, "Ciego de Avila" ID
1426 WVIJ 91.7 FL Port Charlotte, ID
1445 WKRY 93.5 FL Key West, "Key 93"
1508 XHPP 93.5 ?? not XHBB as earlier reported

6/3 Es
1509 unID 95.3 "Feme Globo"
f/out 1510
6/9 Es
1800 WWOJ 98.1 MN St. Cloud, wx
1802 KGCH 93.1 MT Sidney, "93 country"
1806 KYYZ 96.1 ND Williston, r, "Laser 96"
1809 WQDY 94.5 ND Bismarck, k, ID
1813 KMHA 91.3 ND New Town, city ref.
1814 KZZY 103.5 ND Devils Lake, "lake Region"
1815 KZPR 105.3 ND Minot, wx
1820 KBQQ 99.9 ND Minot, "KBQ-100"
1823 KESD 88.3 SD Brookings, wx warning
1833 KYYY 92.19 ND Bismarck, city ref.
1836 KVLRT 95.7 ND Langdon, open carrier
1842 KNEB 94.1 NE Scottsbluff, ID
1851 KACV 89.9 TX Amarillo, ID
1901 XHSAB 89.5 NL Sabinas Hidalgo, "S-A-B FeMe"
6/10 Au
2219 MUF 99.9 at tune in
2222 WQZKT 94.1 WV Keyser, rp
f/out 2223
6/20 Es
1047 unID 91.5 pr, "Boston U.", \$
1054 WORI 88.3 RI Bristol, rp?, ID
1058 WPKX 102.9 MA Hyannis, Cape ads
1059 WHCF 88.8 ME Bangor, g
1100 WFMF 89.1 NJ Trenton, ID
1102 WLNQ 92.1 NY Sag Harbor, ads
1105 WMLA 91.1 MA Amherst, p, ID
6/26 Es
1039 KRCS 93.1 SD Sturgis, wx, ID
1056 WGGJ 91.1 MI Houghton, "upper pen."

6/29 ms (rev. Es)
1326 QGOR 99.9 NE Omaha, "attention NE..."
Es
1339 WMBR 88.1 MA Cambridge, ID
1341 WRSU 88.7 NJ New Brunswick, ID
1359 WAMC 90.3 NY Albany, member stations list.
1400 WVIA 89.9 PA Scranton, xltr list
1401 KGNC 91.5 CO Greeley, ID
1402 WEVO 89.1 NH Concord, "NH Pub. Radio"
1413 KLYT 88.3 NM Albuquerque, "NM's Lite"
1420 KMOR 92.9 NE Scottsbluff, ID

6/30 Es
0855+ many FF unIDs
0859 CEZCt103.3 NB Bon Accord, "CBC Radio"
0904 unID 89.5 "R. Canada", mono, FF
2331 more FF unIDs!
Nice to finally hear the Bahamas. 107.1 was a tent. Bahama for me in 1989. This time "Radio Bahamas" was heard. Their audio cont....

is terrible, very high pitched. Thanks to Chris Dunn, who confirmed that "Radio Cayman" does indeed exist on 91.9 from Cayman Island with 250w(5/29 July report),

Chester P. Royster, RFD Box 223, Freeman, VA 23856

Equipt.: Pioneer TX-8100(IF modified) & FM 13 at 25'

7/1 Es (EDT) 1735 KCBI 90.9 TX Dallas, ID 1200

Hope to stagger stack 2 FM 13s by the next reporting period. In stagger stacking the upper antenna is spaced one quarter wavelength ahead of the lower one. This technique allegedly provides a 10 to 20 db increase in front-to-back ratio. Will see what effect this technique will have on forward gain. 73's

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

Equipt.: Sears AM, FM, TV band radio

5/29 Es (EDT)

1947 KNTU 88.1 TX Denton

2000 KGNZ 88.1 TX Abilene

2108 f/out

6/7 Es

1827 KGNZ 88.1 TX Abilene

1830 KNTU 88.1 TX Denton

7/1 Es

2114 MUF 92.9 or 93.1

Bill Townshend, 4500 Conn. Ave., NW #901, Washington, DC 20008

Equipt.: Radio Shack Portavision 55

5/16 tr

0855 WKWX 101.5 NJ Trenton

0858 WKSZ 100.3 PA Media

0904 WSKX 106.9 VA Suffolk, r

5/16 tr

0920 WEAZ 101.1 PA Philadelphia

5/30 tr

0823 WMM 103.7 NJ Atlantic City

Gus Mancuso, 5615 Inwood St., Hyatts, MD 20785 301-773-3072

5/29 tr

0048 WBOF 106.3 VA Churchville, sta. #275

From behind shop center in Gaithersburg just within 25 mile radius. Building forms perfect(concave)corner, only n.w. quadrant open, lowering gain to s. and e., in this case WCME 106.3 md.

5/29 Es (from home)

1716 KBHT 93.5 TX Crockett

1720 KJEF 92.9 LA Jennings

1803 KVFF 94.1 TX Brenham

1829 KVET 98.1 TX Austin, (new calls)

1846 KLUK 89.5 TX Robstown

1909 KKRK 98.1 OK Lawton

1910 KLAJ 99.9 TX Wichita Falls

1926 KTCS 99.9 AR Ft. Smith

1930 KEDI 90.3 TX Corpus Christi

1932 KZOC 92.9 KS Osage City

1952 WACO 99.9 TX Waco

1959 KRIS 92.1 TX Seabrook

6/3 tr

0100 WHRO 90.3 VA Norfolk, ex 89.5, real

lopsider tonight, all Tidewater strong;

Ocean City, MD so-so, Atl. City weak and

Phila not heard.

during evening skip openings, blocking some freqs., but they were only average today. So, I actually got more today than in stronger openings such as famous 7/4/89 skip. Also, noticed on TV that a weather front is on the western edge of area DXed. I saw in 7/91 VUD almost everyone got something today, esp. from n.e. USA.

Eric Sundius, 6861 Tassajara Rd., Pleasanton, CA 94588

Equipt.: Home: Marantz SR 440 receiver(IF modified), six element FM antenna on a steep hill 150' above house, RG6 downlead. Work: HeathKit AJ 1200 tuner(IF modified), TV dipole antenna mounted on roof of two story building.

6/1 Es PDT

1818 KIXY 94.7 TX San Angelo, r, calls

1845 KNIN 92.9 TX Wichita Falls, r, calls,

"Power 92.9"

1900 KRIN 94.3 NM Raton, r, ID

1905 KEBC 94.7 OK Oklahoma City, k, calls

1907 KUNM? 90.5 NM Relay station?, x lator?

1935 KTZA 92.9 NM Artesia, o, "Star 93"

1935 KRWN 92.9 NM Farmington, Farm.ref.s.

6/1 Es

1945 KMG 99.5 NM Albuquerque, Alb. refs.

2000 KATP 101.9 TX Amarillo, r, ID

2000 KACV 89.9 TX Amarillo, r, ID

2008 KPUR 107.1 TX Canyon, o, calls

KDCK 95.5 KS Dodge City, r, wx, "K-95"

unID 95.5 "Country Giant"

6/12 Es (work location)

0815 KLAQ 95.5 TX El Paso, r, ID, cont....

SOUTHERN FM DX

6/12 Es (work location)
 0815 KEZE 93.9 TX El Paso, local refs,
 "B-94"
 KTZA 92.9 NM Artesia, "Star 93"
 KBCC 97.1 NM Roswell, calls
 KMGH 93.9 AZ Flagstaff, wx, calls
 0856 KHEY 96.3 TX El Paso, ID
 0857 KLLL 96.3 TX El Paso, ID
 0910 KMGH 98.7 NM Maljamar, relay of KENW

Sandius, cont.

6/12 Es (work location)
 0926 KQAY 92.7 NM Tucumcari, calls
 KPFA 92.7 NM La Luz, r, calls
 0948 KTSM 99.9 TX El Paso, calls
 0952 KPAS 103.1 TX Fabens, calls
 1000 KENA 97.5 TX El Paso, SS, ID
 XHUAR 106.7 Juarez, SS, "Estereo
 Norte", Juarez, refs.
 XHGU 105.9 Juarez, SS, Juarez refs.
 XHTO 104.3 Juarez, SS Juarez refs.

AUGUST 1991

Christopher S. Dunne, 21541 NW 8 Ct., Box 81, Pembroke Pines, FL 33029

Equipment: JVC RX302BK mod. w/ 150kHz filters (thanks to Bruce Elving)
 GE Superadio II modified w/ 150kHz filter* + another one w/ SCA (tnx again Bt)
 DAK XR-101s (to check AM parallels)*
 Archer 6-element FM antenna (installed)
 Another Archer 6-element FM antenna (portable)*

Well, the Es were rather subdued this month, but still one good opening came on June 12 to Monterrey & Tampico, Mex. (Anyone who can clue me in as to my unIDs below is welcome to write.) Another good long opening to MI's "U.P."

Time	Call	Freq.	St	Location, details	Miles
6/12 Es					
0900	WJNS	92.1	MS	Yazoo City, ID	715
0930	KTLS	93.3	OK	Ada, ID	1080
	KWKH	94.5	LA	Shreveport, ment. Bossier, so strong I heard it on 94.3, "Totally Useless Trivia"	870
1005	KRIJ	99.5	TX	Brownsville, "Energy 99"	1020
1015	KQXX	98.5	TX	McAllen, SS ID	1070
1016	unid	97.7	g,	SS, MDNO - KBMI?	
1036	XEEM	97.7	TA	Matamoros, "W-FM"	
1040	unid	104.9	g,	SS - KMPM?	
1043	XHMF	104.5	NL	Monterrey, SS, "Estereo Vida", ment. Mont.	1190
	XHXL	91.7	NL	Monterrey, SS, "XL Estereo Noventa (sic)", now 100kW	1190
	XHSRO	92.5	NL	Monterrey, SS, "Monterrey"	1190
	XHRL	98.1	NL	Monterrey, SS, "Monterrey"	1190
1100	XJET	94.1	NL	Monterrey, SS, ID + "Super T"	1190
	unid	93.3	Ranchera	mx, SS - I'd say XHQG	1190
	??	104.5	Open	carrier	
	unid	99.7	SS	- probably XHSP	
	XHJD	98.9	NL	Monterrey, SS, "More Than Words", ment. NL	1190
	XHFP	93.5	SS	ID - ¿Dónde?	
	unid	97.7	TA	SS from Tampico, Mex., "Estereo Noventa y Ocho", got its SCA too (M @ 67) on 2nd Superadio II	1100
	XHMU	90.1	TA	Tampico, SS, another "Estereo Vida"	1100

*DXpedition to Boca Chica Beach, FL (8 miles E of Key West): Heard 5 of 9 Havana FMs (distance approx. 90 miles) listed on p. 22 of 7/91 VUD! They were: 90.3 Radio Progreso (//AM 640), 92.1 Radio Rebelde (//550), 95.1 CMBF (//950), 95.9 Radio Reloj (the weak one, //590), and 97.7 COCO (//980). Muchas gracias to: God, as always; Jim Kenfrew and Greg Coniglio, for providing the list in the VUD; and to Amy Gruis, for (1) keeping me company on the drive to & fro, and (2) putting up with my DXing, including helping me put up the antenna and monitoring signal strength!

Setenta y tres, cd

SOUTHERN FM DX

Doug Allen, w2crs, P. O. Box 5646, Woodland Park, CO 80866
 Equip.: Onkyo T 4087 and various Pioneer tuners (all IF modified), FM-13 at 50 ft.

5/20 Es	5/31 tr	5/31 tr
1300 KLON 88.1 CA Longbeach, ID	0732 RPKF 94.1 KS KC	560
2126 CBCC 97.7 BC Vancouver, FF	0733 KCMO 94.9 MO KC,wx	563
2130 KMPS 94.1 WA Seattle, k	0738 KMKF 101.5 KS Manhattan, "101.5 K-Rock"	
2133 CKKS 96.9 BC Vancouver, "KISS FM"	0742 KOLA 103.9 KS Ogden, ads, "Q104", KS#58	
2138 CBVX 94.1 BC Kanloops	6/1 Es	
2140 CBTA 94.9 BC Trail	2032 KEWE 97.7 CA Oroville, "Keewee FM"	
2143 KFAE 89.1 WA Richland, ID	2033 KWCD 107.3 CA Grover City, "CD 107"	
2145 KNHCT 89.5 WA Seattle	2046 KABL 98.1 CA San Francisco, ID	
2153 CJJR 93.7 BC Vancouver	2051 KSJO 92.3 CA San Jose, ID	
2211 KFFM 107.3 WA Yakima	2052 KQCR 94.5 CA Ellwood, ID	
2217 KOTY 106.5 WA Richland, Y106"	2053 KDB 93.7 CA Santa Barbara, cl ID	
2238 KXL 95.5 OR Portland	2057 KEWB 94.7 CA Anderson, ads	
2241 KMEL 106.1 CA San Francisco, ID	2101 KAZU 90.3 CA Pacific Grove, ID	
2248 KKSJ 97.1 OR Portland, "Classic oldies KKSJ"	2110 XHFG:107.3 BN Tijuana, SS	
2249 KXIQ 94.1 OR Bend, ads, "Q94"	tr	
2250 KMPS 94.1 WA Seattle, k	2128 KCNT 88.1 NE Hastings, g, //94.9 KJLT	
2254 CKUA-1 93.7 AB Calgary	2130 KUDL 98.1 KS KC, unusual evening tr	
2257 CKUA 94.9 AB Edmonton	2300 KZLN? 98.1 ? ID	
2258 CJUA-13 91.3 AB Drumheller	2306 KMBR 99.7 MO KC	563
2300 CKUA-6 101.3 AB Red Deer, ID, last four //	6/2 tr	
5/21 Es	0415 KSYZ 107.7 NE Grand Island, "Sunny 108"	
0640 WUWF 88.1 FL Pensacola, ID	Es	
0641 WRH 88.3 LA New Orleans, reading	0800 WRVL 88.3 VA Lynchburg, ID	
0642 WYLL 97.7 MS Tylertown, ID	0817 WXLK 92.3 VA Roanoke, "K92"	
2031 CBUF 97.7 BC Vancouver, FF	1151 WLWI 92.3 AL Montgomery, k	
2037 KNHK 89.5 WA Seattle, "C 89 FM"	6/6 Es	
2040 CJJR 93.7 BC Vancouver, "JR Country"	1577 KELT 94.5 TX McAllen, "K-LIGHT", ads	
2045 KOZI 93.5 WA Chelan, ID	1578 KVMV 96.9 TX McAllen, g, ID	
2043 KATS 94.5 WA Yakima	1930 KLEW 97.7 TA Matamoros, SS, ads, wx	
2053 KMGJ 107.7 WA Seattle, ID	1934 KNGV 92.1 TX Kingsville, ID	
2124 CKKS 96.9 BC Vancouver, "97 KISS FM"	1950 KBFM 101.4 TX Edinburg, "B104"	
5/27 tr	1955 XHFW 102.3 TA Nuevo Laredo, EE & SS, ads	
0305 KWIN 95.5 OK Tulsa, k "K 95"	1956 KZFM 95.5 TX Corpus Christi, ID, "Z95"	
0305 KLAK 107.3 OK Poteau, ID 630 miles	1959 XHMLS:101.5 TA Matamoros, ID	
0307 KMDD 97.5 OK Tulsa	2000 KBIC 102.3 TX Alice, promo	
0310 KTFX 103.3 OK Tulsa	2002 KNCN 101.3 TX Sinton, "C101", Corpus Christi's rock and role legend"	
0312 KMYZ 104.5 OK Pryor, "hot new Z 104.5"	2006 KSOX 101.7 TX Taymondville, "KXOX" two syllables	
0710 KLAK 107.3 OK Poteau, in/out of noise	2010 KCTM:103.1 TX Rio Grande City	
1715 KISRt 93.7 AR Fort Smith, in/out of noise	2014 KJAV 104.9 TX Alamo, g, SS	
5/28 tr	2016 KIBL 104.9 TX Beeville, k, ID	
1142 KUDL 98.1 KS KC, ID 560 miles	2121 KBOP 98.3 TX Pleasantville, k, ID	
1146 KCMO 94.9 MO KC, ad 563 miles	2026 KSMG 105.3 TX Sequin, "Magic 105 FM"	
5/29 tr and ducting	2054 KWVS 97.5 TX Kingville, ID	
0113 KWEN 95.5 OK Tulsa, "K95"	2059 KSTX 89.1 TX San Antonio, ID	
0604 KTUF 93.7 MO Kirksville, "KTUF 93" station #800	2106 KAMV 92.3 TX Victoria, ID	
0606 KRXL 94.5 MO Kirksville, "the X94 and a half"	2114 KRMJ 95.5 TX Austin, ID, "Magic 95.5 KRMJ"	
0608 KAAN 95.5 MO Bethany	2114 KLBjt 93.7 TX Austin	
0614 KRES 104.7 MO Moberly, wx, ads 685	6/9 Es	
0616 KCFM 107.3 MO Lexington, "Kansas City's 107" (duct right over KS; KS stations weaker than normal!)	2120 CBUF 97.7 BC Vancouver, FF	
5/31 tr & ms	2122 CFOX 99.3 BC Vancouver	
0655 KUDL 98.1 KS KC, ID	2130 CBU 105.7 BC Vancouver, cl, promo	
0658 KXXR 106.5 MO KC	6/10 ms & gw from Pikes Peak	
0659 KTFK 106.9 KC Topeka, ID	1006 KUWS 91.3 MI Superior, ID	
0700 KCVS 104.9 KC Salina, ID	1600 K201BN 88.1 CO Ridgeway, KJOL ID, from Pikes Peak here on	
0701 KYYS 102.1 MO KC	1715 KRUY 101.3 NM Albuquerque, ID	
0703 KZKX 96.9 NE Seward, LD	1717 KLSK 104.1 NM Santa Fe, ID	
0710 KMBR 99.7 MO KC "Lite 99.7 FM"	1752 KHFM 96.3 NM Albuquerque	
0713 KCAY 95.9 KS Russell	1803 KZKL 101.7 NM Rio Rancho	
0719 KRPS 89.9 KS Pittsburg, wx	1809 K216BY 91.1 CO Canyon City, KTLF xlator, CO #115	
0723 KRIT 96.9 IA Davenport, 15 sec. burst, ad cont.....	1830 KSRF 90.7 NM Santa Fe NM #18	

6/12 Es
0621 KELT 94.5 TX Harlingen, "K-Light"
0626 WZFM 95.5 TX Corpus Christi, "Hot Z-95"
0630 KNGV 92.7 TX Kingsville, ID
0635 KVMGT 95.3 TX Pearsall? "KZ93 & KZ95"
0635 KVMV 96.9 TX McAllen, g, ID, "sister station KBNR"
0816-0830 SS on 90.7, 91.7, 92.3, 95.5, 96.9, 97.1, 97.7
0830 XHBIO 92.3 JA Guadalajara, ID
0835 XHOY 90.7 JA Guadalajara, Plaza del Sol ad
0835 XHRO 95.5 JA Guadalajara
0837 XHPI 93.1 JA Guadalajara
0839 XEBA 97.1 JA Guadalajara, wx
1046 KJICT 88.1 TX Pasadaena
1100 XHTAT 94.5 CL Piedras Negras, no ID on hour
1100-1130 SS on 94.5, 96.9, 98.1
1132 XHOY 88.1 TX Laredo, Webb County psas
6/17 Es
0647 WDJC 93.7 AL Birmingham, ad
6/13 ms
0447 ???? 98.1 ? "Oldies 98", 10 sec. tr
0758 KWFX 93.5 OK Woodward, ad
0802 KKBS 92.7 OK Guymon, ID

May was above average for tr and Es; June average for Es and disappointing for tropo. Missed what probably was the best June Es opening, Sunday afternoon, June 9, DXer Todd Brandenburg and I were operating the ARRL VHF DX contest from here. He worked over 40 on six meters. I worked NC on 144 Es. The week before the contest I added a 10 foot section to one of my towers, and now the FM-13 is up 50 feet at the top of the mast! The opening to the north on 6/19 was thrilling with at least one double hop--almost to Alaska! Guess AK, Yukon and NWT are possible from here, though I never considered it before!

Todd and I DXed from 14,110 foot Pikes Peak on June 10 in one memorable trip. The summit is only 8 miles (as the raven flies) from my house, but it took almost two hours to get there. we drove the 19 mile toll road to the summit and set up a 6 el. Finco antenna and had several tuners and a FM receiver & a 115-12 volt transverter. After blowing three fuses and having only two left, we finally got the contraption working as a snowstorm hit. Todd, as armstrong rotor, didn't mind freezing his fingers, but refused to continue when the lightning got close! Our equipment was being overloaded by the nearby transmitters on Cheyenne mountain anyway, so we quickly packed and headed through the snowstorm, including 3 inches of new snow, and fog to a lower location on the southwest side of the mountain at about 13,300 foot elevation. When the storm passed we set up again and logged a few dozen stations, the new ones included above. Those were expensive new stations as it turned out! Our front axle (CV) broke only a few hundred yards from where we had set up. We coasted twelve miles down the mountain riding the brakes, but without power brakes or power steering! There were 1000 foot dropoffs and no guard rails most of the way down! If the brakes failed we were ready to bail out. Twice on short uphill we jumped out and pushed the van over the hump! Finally, there was an uphill we couldn't push over. We left the van, smoking brakes and all for AAA to pick up the next day and hitched a ride home. When I got home I realized the Denon tuner was in APR mode while we were DXing on the mountain. No wonder we had disappointing results; we were in wide IF mode the whole time! Great trip! So who wants to join me for the next DXpedition to Pikes Peak? Your vehicle or mine? Good DXing and 73.

Carlton Howington, 2822 42nd Ave. N., St. Pete, FL 33714

3/5 First Gulf opening of year. All loggings tr.

1830 93.9 KMXR
107.9 KVLY, Y-108
1835 107.5 KCIL, C-107
1857 104.5 KMMY
102.3 KPCB, K-Play
1907 94.3 KBAU
96.5 KLTG, K-Lite
1921 106.9 KJZS, jazz
1923 105.5 KCGR

0935 WRBH 88.3 LA New Orleans
0950 CBQT 88.3 ON Thunder Bay, CBC
1930 CKIK 107.3 AB Calgary, "107 KICK FM"
1932 CKUA4 100.9 AB Grande Prairie 1302
1933 CKUA6 101.3 AB Red Deer 1006
1934 CKUA2 99.3 AB Lethbridge 838
1935 CKUA1 93.7 AB Calgary 946
1936 CKUA5 96.9 AB Peace Riverall CKUA// 1312
1937 CKUA3 91.3 AB Drummeller 937
1941 CBRT 102.1 AB Calgary
1947 CBUF7 93.7 BC Dawson Creek, FF, 70wts! 1356
1948 CBUF3 96.9 BC Terrace, FF 225 wts! 1528
(This double hop from NW BC was 75 miles from Alaska border!)

2018 CBUF4 95.5 BC Prince George, FF, 130 wts. 1334
2021 CFFM2 94.9 BC Quesnel, Quesnel and Williams Lake events, 175 wts.
2022 CFFM 97.5 BC Williams Lake, //94.9
2024 CFFM1 99.7 BC Mount Timothy, //94.9 & 97.5 80 wts.
2026 CBTUT 89.9 BC Timber Ridge
2041 CBUF 97.7 BC Vancouver, FF
2045 C1FM 98.3 BC Kanloops, "98.3 C1FM"
2046 CHRK 97.5 BC Kanloops
2047 CBYK 94.1 BC Kanloops
2126 KGH0 95.3 WA Aberdeen, promo
2130 Vancouver stations thru 105.7 strong
2149 KOMW 92.7 WA Omak? Quality Country KOMW"
2200 KLYN 106.5 WA Lynden, g, ID
During next half hour made 13 contacts into WA on 144 MHz! Had earleir at 1922 worked into AB on 144 MHz.)

cont.....

3/5 tr
2045 103.5 KEYI, cw
2056 94.1 KOXY, EZ
2115 96.7 KHFI
2116 107.1 KGSR
2116 107.9 KWIC, cw
2129 98.3 KULM
2147 99.3 WEEZ
2206 101.7 KSOX, cw

3/5 tr
2249 98.3 KBCP, cw
2300 101.7 WKNZ
2330 104.9 WZBA, New call Moss Point
3/6 tr
0023 98.3 KORA
0028 101.7 KOKE, gospel
0040 105.5 KLFX, The Fox
0123 95.3 KQKI, cw
0628 98.3 KYYK, c

This is only a small part of stations heard. Stations like KQOK 106.5, KHCB 105.7, KMJQ 102.1, KMXR 93.9, in all night at local levels. TV full from top to bottom, 73.

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

Equip.: Onkyo T9090, Probe 9at 32 ft. with rotor.

6/29 Es
1929 WODC 88.3 VA Virginia Beach, calls
7/6 tr
0904 KCHI 103.9 MO Chillicothe, ID 365
0930 KUNQ 99.3 MO Houston, ad
0939 KUKU 100.3 MO Willow Springs, ad 270
0947 KCTT 97.7 AR Yellville, calls, k

7/6 tr
1009 KKOZ 92.3 Ava, ad 235
1030 KBPL 99.9 MO Buffalo 225
1036 KGBX 105.9 MO Bolivar, calls 215
1051 KGM0 100.7 MO Cape Girardeau 400
1100 KEZU 104.7 AR Boonville-Ft. Smith, ID, M, "EZ-105". No Longer KBSS. 170

Quite a poor season unfolding here. It's been incredible checking most every evening and some mornings & see little sign of Es, even on TV 2. Conditions haven't been this bad since 1979 when I logged 25 stations for that meager year. Oklahoma was simply bypassed by the Es this year for some unknown reason. Probably a few others feel it's the same story in a few other states.

I've had no success in speeding up the tuning on my Onkyo tuning. Modifying the readout to 1/4 channel increments slowed down the scanning speed to the point it took 35 seconds to cover the entire band. Compare that to about 5 seconds on my car stereo with full channel incrementation. In an experiment, replacing the Onkyo's crystal oscillator with a higher valued one rendered the tuner frozen and inoperable. Everything returned to normal after the original oscillator was returned, fortunately.

In my comments on KCMA last month, I meant to say that KCMA 92.1 Broken Arrow is Okla's only commercial classical FM station. Some how it didn't read that way last month, sorry.

Fred Laun, K3ZO, 5801 Huntland Rd., Temple Hills, MD 20748

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

6/3
1314 KULF 94.1 TX Brenham
1317 KAGG 96.1 TX Madisonville
1327 KLTR 93.7 TX Houston

6/30
2105 CIOO 100.1 NS Halifax
2106 CKTO 100.9 NS Truro

6/29
1331 KUHF 88.7 TX Houston
1400 WKNZ 101.7 MS Collins, "Z-101"
1412 WMMO 98.9 FL Orlando, "98-9"
1423 WKYJ 106.1 MS Starkville, "KY-106"
1432 WRMB 89.3 FL Boynton Beach
1451 KTUX 98.9 LA Bossier City, "Tux-99"
1511 KMJJ 100.1 LA Shreveport
1515 KQUS 97.5 AR Hot Springs, "US-97"
6/30
1300 ZFB-1 94.9 BERMUDA Hamilton
1334 VSB 106.1 BERMUDA Hamilton

7/1
0005 91.7 MN "Minnesota Public Radio"
1252 WLXT 94.1 LA Baton Rouge
1257 KIKT 93.5 TX Greenville, "Texas Proud"
1304 KDQN 92.7 AR De Queen
1304 KZOC 92.9 KS Emporia
1326 KDGE 94.5 TX Irving, "The Edge"
2037 WHJT 93.5 MS Clinton
2040 KXIT 95.9 TX Dalhart, "Q-96"
2043 WRVR 104.5 TN Memphis, "104 FM"
2045 WMOG 107.5 MS Jackson, "KIZ on 107 FM"
2111 KVKI 96.5 LA Shreveport

Given the Canadian CBC's ID policy, the following Canadian listings are "best guesses" based on what areas were heard on the 50 MHz. amateur band during the same time period:

2039 CBHC 89.1 NS Truro
2049 CBAF-27 88.7 NS New Glasgow
2050 CBAF-29 88.1 PEI Charlottetown
2051 CBHN 89.5 NS New Glasgow
2052 CBHA 90.5 NS Halifax
2053 CBAF-19 92.3 NS Halifax
2054 CBHY 92.1 NS Yarmouth
2103 CBCT 96.1 PEI Charlottetown

Answer for Pugh: World Radio-TV Handbook has "Radio Cayman" on 91.9 MHz with 250 watts from Cayman Brac, one of 3 islands which make up the Cayman group. The station's address is P. O. Box 1110, George Town, Grand Cayman, British West Indies.

#####

Continued from the July 1991 VHF-UHF DIGEST page 5 is Eric Voytko - McLean, Virginia DX photo contribution.



WJND-2
 Columbia North Carolina
 211 mile tropo
 seen May 16, 1991
 at 0615 EDT
 (over WJMR-2 at 40 miles)

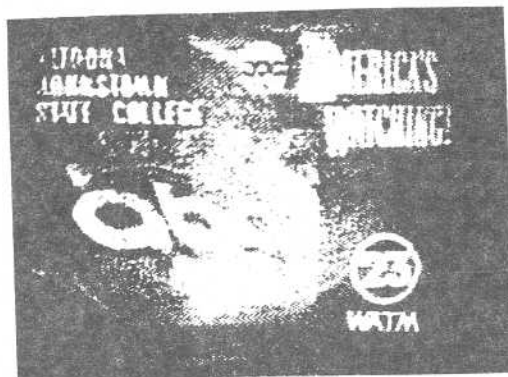


NTV-2
 CITY UNKNOWN
 Cuba
 approximately 1050 mile E-skip
 seen May 20, 1991
 at 1310 EDT

Next is: Greg Coniglio - Williamsville, New York. Equipment see July 1991 VUD ETVDX column page 14.



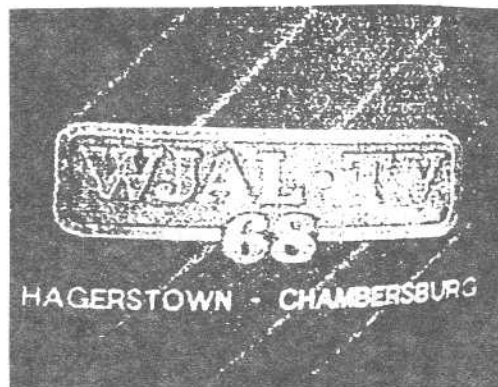
WBRZ-2
 Baton Rouge, Louisiana
 990 mile E-skip
 seen May 20, 1991
 at 1330 EDT
 Thanks Eric, hope to see more from you.



WATM-23
 Altoona Pennsylvania
 199 mile tropo
 seen May 15, 1991

continued on next page....

Greg Coniglio continued....



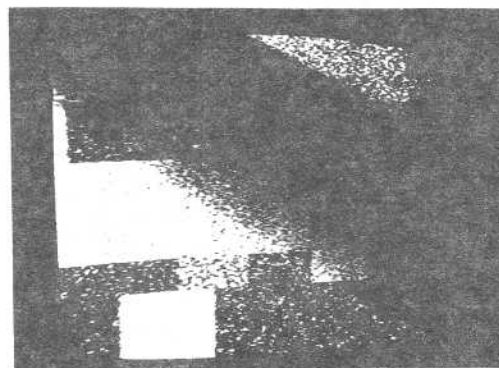
WJAL-68
 Hagerstown,
 Maryland
 217 mile tropo
 seen May 15, 1991



WVIA-44
 Scranton,
 Pennsylvania
 190 mile tropo
 seen May 29, 1991

Thanks Greg

Lastly is me, Dave Nieman - Akron, New York. Equipment: RCA 19" b&w with Teknika 6510 tuner, Channel Master (CM) 3617B VHF at 23'. CM 7" UHF dish with Blonder-Tongue CMA-Lub preamp on crankup tower at 40'. Using RG-11 coax for both antenna.



W69??
 CITY UNKNOWN
 Pennsylvania
 ??? mile tropo
 seen May 13, 1991
 at 0700 EST
 WNEP-16 Scranton, PA translator

Till next time,

DAVE

WESTERN TV-DX

August 1991

Fred McCormack
Box 17860
St. Paul MN 55117-7860

Deadline: 09-12-91
Cut-off: 06-01-91

While my personal view is that E skip activity in June was pathetic, that didn't stop this month's reporters from logging something on all but five dates. E skip was reported on June 1-4, 6-14, 16-21, 24-27, and 29-30.

This month we welcome two new reporters to Western TV-DX. Tim Hall from San Diego is new to the club and Robert Kramer from Chicago is back from a ten year break. I hope to hear from you both regularly.

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

CBN - The Family Channel TNN - Nashville Network VJN - Video Jukebox
CHA - Channel America USA - USA Network

BN Baja California Norte GR Guerrero TA Tamulipas
CH Chihuahua NL Nuevo Leon ZA Zacatecas
CU Coahuila SI Sinaloa

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

Equipment: See July 1991 Western TV-DX

June 1991	9 Es 1707	WBRZ 2 LA 995	13 tr 0600	WDKY 56 KY 480
2 Es 2025	KXLft 4 MT	1728	WLBt 3 MS 860	W48AP 48 OH 275
2059	KOUS 4 MT 1005	1730	WREG 3 TN 650	(Toledo LPTV)
2100	KTVQt 2 MT	1730	KBTX 3 TX 1065	0615 WYTV 33 OH 420
	KDUHt 4 NE	1745	WESH 2 FL 1125	CBLFT9 53 ON 325
2103	KCWct 4 WY		WDIQt 2 AL	Cleveland Us 355
	KWSEt 4 ND		unid channel 5	0630 Iron Mtn Us 100
3 Es 0930	KRTV 3 MT 1155	1755	KEMVt 6 AR	W54AR 54 WI 100
1200	KENW 3 NM 1145		unids chs 4-6	W57AR 57 WI 145
	unids chs 2-4	1800	KATC 3 LA 1030	Es PM no time to watch
1230	KPRC 2 TX 1115		WABGt 6 MS	16 Es 1224 unid ch 2 south
	WBRZ 2 LA 995	2137	unid ch 2 nw	1727 WCBd 2 SC 900
1259	KMOL 4 TX 1200		KIDK 3 ID 1245	WCIV 4 SC 900
1300	KDFW 4 TX 965		KWSEt 4 ND	WCSC 5 SC 900
	KXASt 5 TX	2157	KXLft 4 MT	1737 WMAyt 3 NC
	KDTNt 2 TX	2245	CKKxt 2 AB	WECT 6 NC 835
7 tr 0530	W30AL 30 IL 200		unid ch 4 Canada	2056 WDRB 41(IN) 430
(Plano CHA)		10 au AM	heavy - no IDs	17 Es 2230 WUNdt 2 NC
Es 1800	WDIQt 2 AL	Es 2329	KOUSt 4 MT	WCBdt 2 SC
	WLBt 3 MS 860		unids chs 2 & 3	unid ch 3 FOX
1830	WBRZ 2 LA 995	2342	all gone	(Arsenio Hall)
	KDTNt 2 TX	11 Es 1210	KACV 2 TX 980	WYFft 4 SC
	unids chs 2-4 w	1230	KAMRt 4 TX	19 Es 1215
8 tr 1800	WBBM 2 IL 175	tr 2157	W15AM 15 MI 130	KTWO 2 WY 945
(Extra strong)			(Grand Rapids WHME-46)	KCNC 4 CO 965
Es 1800	WDIQt 2 AL 890		W40AK 40 MI 110	1425 KIDK 3 ID 1245
1808	unid channel 2		(Muskegon CHA)	20 tr 0515
	WEAR 3(AL) 955		WINM 63(OH) 245	0545 W33AX 33 WI 135
	WEDU 3 FL 1185		Iron Mtn Us 100	(Madison TBN)
	WUFTt 5 FL		W54AR 54 WI 100	(See Note # 1)
	WKRgt 5 AL		(Fence WPNE-38)	1755 W69AV 69 MI 95
1818	WJXTt 4 FL		W57AR 57 WI 145	(Leeland WCMV-27)
	WRBLt 3 GA		(Sayner WSAW-7)	W69BT 69 IN 200
1821	WCTV 6 GA 970		Es 2311	(South Bend WCIU-26)
tr 2248	W66BD 66 IN 260		chs 2-6 w Canada	K69BA 69 MI 100
(Fort Wayne TBN)		12 Es 2031	unids chs 2-3 e	(Iron Mtn WBAY-2)
	(Morse code ID)	13 tr 0600	lower ON UHF	2158 W33AR 33 IL 170
Es 2305	CKSat 2 AB		WNEO 45 OH 415	(Rockford WCIU-26)
	CFRnt 3 AB		WEAO 49 OH 375	W45AJ 45 IL 165
	CITL 4 AB 1185		WPGHt 53 PA	(Rockford CHA)
	CBXAt 5 AB		WSFJ 51 OH 405	W62BU 62 IL 170
2400	mostly gone		WYMT 57 KY 550	(Rockford WWT0-35)

Western TV-DX

August 1991

William Draeb (continued)	29 Es 1405	WDIQt 2 AL	30 Es 2328	WEDU 3 FL 1185
		WTVYt 4(FL)	2331	WJXTt 4 FL
20 tr 2158	W68BR 68 IL 170	KDTN 2 TX 965		
(Rockford WCFC-38)		KDFW 4 TX 965		
	W43AV 43 WI 105	KXAS 5 TX 965		
(Waukesha CHA)		KOETt 3 OK		
21 Es 2300	unids chs 2-4 sw	WBRZt 2 LA		
24 tr 0513	W48AP 48 OH 275	KOUSt 4 MT		
	(Spanish)	KYUSt 3 MT		
26 tr 0450	CICO# 42 ON TVO	tr 2158	KTMA 23 MN 280	
(Desbaratts)			KXLI 41 MN 310	
27 tr 2140	CKCO2t 2 ON		(Above two //)	
	CKVR 3 ON 385	2206	KSAX 42 MN 385	
	(See Note # 2)	30 tr 0455	KFME 13 ND 500	
	unid channel 4		K24AE 24 MN 400	
2201	WUTV 29 NY 440		(Alexandria KSAX-42)	
2217	CKNxt 8 ON		K25-- 25 ??	
	unid channel 7		(Unknown // KSAX-42)	
	(Midland ON ?)	0526	KSDSt 16 SD	
	CKCO 13 ON 350	0542	@KCCO 7 MN 380	
2235	CITYt 57 ON	0730	@KAWB 22 MN 365	
2240	CHNbt 4 ON	Es 2025	unids chs 2-4 s	
2245	CBOTt 4(PQ)	2250	WCBd 2 SC 900	
29 Es 1349	unid channel 2	2255	WWAY 3 NC 865	
	KENWt 3 NM		WSAV 3 GA 920	
	KGBT 4 TX 1390		WCIV 4 SC 900	
1358	WEDU 3 FL 1185	2303	WAGAt 5 GA	
	unid channel 6	2304	WCSC 5 SC 900	
1402	WPBT 2 FL 1340	2307	unid channel 6	
1405	WPTVt 5 FL	2312	WESH 2 FL 1125	
	WKRG 5 AL 950	2319	WSB 2 GA 755	
	WEAR 3(AL) 955	2330	WRCB 3 TN 650	

Note # 1 - IDs heard at 0550 and 0600 in very slow Morse code with CCI making ID difficult.

Note # 2 - Snow free - only second time seen.

Note # 3 - Mt Laurier - European test pattern with "CBC MONTREAL" at the top.

Note # 4 - Quebec City - 3/4 color bars with "T.Q.S." across it.

Note # 5 - Jonquiere - 3/4 color bars with "T.Q.S." across it and the call letters and location below that.

E skip has been rather inconsistent, but a couple of good openings on June 30th which appeared to run continuously into July 1st (over 24 hours) and on the morning of July 2nd made up for some of the boredom in May and June.

My AB-3 preamplifier conked out on my big tower. I think it was suffering from a case of "terminal rust." I replaced it with the CMA-HB (channels 7-13) and the system works better than ever. I don't get the infernal FM interference and the sloop over problems I had with the AB-3 which was a broadband channel 2-13 preamplifier. Now, the high band antenna on the lower tower is inoperative as that's where I got the CMA-HB from. I still have the AB-300 preamplifier (and power supply) to use in case of emergencies, but it's in a drawer in my room. I could try it with my lowband antenna, but I think that would be counterproductive with locals on channels 2 and 5.

(I don't know of any Fox affiliates on channel 3. The only low band Fox stations I know of are KTVU-2, KHBC-2, KTBV-4, WTTG-5, KVVU-5, WNYW-5, and KIDY-6. The only channel 25 translator known to me which might fit your June 30th translator logging is K25DN a construction permit at Redwood Falls. It is unlikely they would put a translator on in parallel to KSAX-42 as they already have one and also have KRWF-43. However, perhaps they were just testing? fm)

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

Equipment: See July 1991 Western TV-DX

May 1991	24 Es 0945	KTVU 2 CA 769	28 Es 2228	\$KNBC 4 CA 1048
22 Es 1342	\$KVBC 3 NV 986	1233	KIEM 3 CA 562	2232
1359	KNAZ 2 AZ 1137	27	UHF-TV ANTENNA BACK UP	2300
24 Es 0912	KCRA 3 CA 739	28 Es 2200	KVBC 3 NV 986	29 Es 0900
				KMTVt 3 NE

Mike Cherry (continued)

4 Es 0856 KEYT 3 CA 1006	10 au 2000 KXLY 4 WA 300
0932 \$KVBC 3 NV 986	KREM 3 WA 300
au 2328 CKCK 2 SK 855	12 Es 1145 KVBC 3 NV 986
(Audio only)	1157 KTWO 2 WY 926
2330 CFCN 4 AB 441	1159 KNAZ 2 AZ 1137
5 au 0600 CBKT 4 SK 792	13 tr 1032 KCKA 15 WA 184
CKCK 2 SK 855	(Snow free)
9 Es 2000 KTVS 3 CO 1150	1035 Chs 24,32 OR 234
KTWO 2 WY 926	17 tr 2305 KAYU 28 WA 299
2034 \$KWGN 2 CO 1096	2314 KXLY 4 WA 300
2100 KCWC 4 WY 833	2329 KREM 2 WA 300
2144 KIDK 3 ID 637	18 Es 0631 KSWK 3 KS 1350

High solar activity and geomagnetic storms have diminished the amount of E skip openings so far this season. What openings do occur are into the same part of Arizona / California fairly frequently.

Locally there is another Knowledge Network translator located on the north part of the island where I live. It is channel 44++ (18 kHz above zero). These educational stations don't use calls at all and are satellite fed. There are close to 100 of these 20 Watt ERP translators operating throughout British Columbia.

UHF antenna was down for a few weeks in order to install the six element 6 meter beam. Hopefully, solar activity will die out enough to give us more E skip openings as the season progresses. 73's Mike, VE7SKA

Randy Miltier, 1068 Fairview Avenue, San Jose CA 95125 (KK680)

PDT

Equipment:

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

From Seaside OR:

June 1991	2 Es 2015 unid 3 Spanish	3 Es 1128 KTVU 2 CA 600
1 Es 1905 unid 2 Spanish	3 Es 1100 KNAZ 2 AZ 930	1140 XHBC 3 BN 965
1930 KNAZ 2 AZ 930	1115 KVBC 3 NV 825	1149 KCBS 2 CA 900

From San Jose:

June 1991	12 Es 1157 KTWO 2 WY 905	24 Es 1356 KIDK 3 ID 649
9 Es 2100 unids chs 2-4	1159 KSWK 3 KS 1120	1400 KREM 2 WA 749
12 Es 0740 XEPMT 2 CH	1230 KTVS 3 CO 1039	1605 CKXX 2 AB 1023
0754 XEJ t 5 CH	1240 unid ch 2 CBS	1612 CKCK 2 SK 1095
0756 KMID 2 TX 1170	1259 CKCK 2 SK 1251	25 Es 0928 KLNEt 3 NE
0800 KVID 6 NM 1048	1300 KXMA 2 ND 1169	1830 KLNE 3 NE 1225
0809 unid ch 3 ABC	13 Es 1130 XHQ 3 SI 1225	KTVS 3 CO 1039
0812 KDCC 4 TX 957	1922 XHQ 3 SI 1225	1833 KWNB 6 NE 1144
0829 KNAZ 2 AZ 603	14 Es 0810 XHQ 3 SI 1225	1835 KNOPT 2 NE
0839 unid ch 5 PBS	(s/on @ 0830)	27 Es 2218 CKXX 2 AB 1023
(tent KNME,KTXT)	19 Es 2000 (See Note)	29 Es 0943 KKT0 2 NM 861
0853 KKT0 2 NM 861	20 Es 0900 KLNE 3 NE 1225	1130 KENW 3 NM 1060
0900 KAMR 4 TX 1125	24 Es 1258 KTWO 2 WY 905	2000 unid ch 2 ABC

Note - My wife told me channels 2-6 were a mess... but I was at work.

The trip to Seaside, Oregon was somewhat productive TV-DX wise. Skip was best on the day we had to leave, but I guess that's Murphy. From Seaside, KNAZ-2 was seen on the 2nd and 3rd. KCBS-2, KVBC-3, XHBC-3 and a little audio from KTVU-2 was heard with KCBS-2. Not fantastic, but it was fun not knowing what would be coming in on the 12" black and white using a small dipole antenna. As for the month of June in general, I've seen better.

With all the TV and FM DXers that are hams, wouldn't it be fun to meet on the HF bands on a particular frequency to compare notes and make new friends. The idea would be to have a monitoring frequency that we all would monitor to see where in the country sporadic E is occurring. This is done on 28.885 for F2 openings around the world for 6 meters and VHF. I believe this would enhance the hobby of TV and FM DXing by making all members aware of openings as they're happening. Those that are not hams could listen for information on openings as they occur. Also, with the no-code ham license in effect now, many may want to get their ticket... it's not very difficult (a 55 question test, texts

Randy Miltier (continued)

are available with question and answers used for the tests) to get your ticket and get on the air. Anyway, just a thought, it may prove to be interesting and a chance for many of us to talk about the hobby, i.e., equipment, catches, programming, etc. Until next time 73, Randy, KK6TQ

Doug Allen, P.O. Box 5646, Woodland Park CO 80866 (W2CRS) (719-687-3549)

MDT

Equipment:

1981 13" Magnavox black and white, Pioneer TVX9500 (IF modified), VHF: Channel Master 1110 with Channel Master 00095 preamplifier at 32'. UHF: Antennacraft P-7 with EUV preamplifier at 38'.

June 1991

1 tr 2140 K52AA 52 CO 120	2200 KSNB 11 KS 242	6 Es 0830 KIII 3 TX 890
(Eads KKTU-11)	KUPK 13 KS 256	13 tr 0520 KSNK 8 KS 241
2142 K54AB 54 CO 120	2201 KTVK 6 KS 272	24 tr 0959 K42Bgt 42 NE
(Eads KRDO-13)	2 tr 0430 KAYS 7 KS 308	(Scottsbuff LPTV)
		1000 KSTF 10 NE 221

Average amount of E skip for June, but as you can see, I didn't catch it on TV, but mainly on FM, six, and two meters. Best E skip was probably Sunday, June 9th, but was involved in ARRL VHF contest. Some 45 states and 5 provinces worked on 50 MHz which means the lower channels must have been hopping! E skip MUF hit 144 MHz here on June 9, 19, and 25.

Tropo disappointing, way down from June 1990. Sterling channel 3 and Goodland channel 10 often very strong, but there seemed to be a wall at 250 miles most of the month!

73 and good DX, Doug

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

CST

Equipment:

Wards 12" b&w Model GEN11235 (1984 vintage), UHF - RCA 13" (1987) EMR350E (color). Archer V-100 and 8-bay bow-tie UHF array at 20 feet with rotor.

April 1991

1 tr 2203 KPLC 7 LA 340	7 Es 2156 WFMY 2 NC 1175	20 Es 1725 WWAY 3 NC 1235
2 tr 0437 KLFY 10 LA 375	10 Es 2214 KTWO 2 WY 1010	21 Es 0558 KINT 3 IA 1010
7 Es 1053 KVBC 3 NV 1050	12 Es 1205 XHAP 2 GR	0627 KDLO 3 SD 1070
1059 KNAZ 2 AZ 845	14 Es 0917 WCBD 2 SC 1140	0630 KGAN 2 IA 960
8 tr 0400 KSWO 7 OK 325	0957 WPBT 2 FL 1150	0729 KUSD 2 SD 945
9 tr 0115 KPLC 7 LA 340	2059 KUTV 2 UT 1085	2128 KGEF 2 ND 1290
0120 KBMT 12 TX 285	2220 KCBS 2 CA 1185	23 Es 2122 WBAY 2 WI 1185
0128 K17BY 17 TX 5	2229 KEYT 3 CA 1295	2123 KUSD 2 SD 945
(San Antonio LPTV)	2321 XHBC 3 BN 1025	26 tr 0502 KTPX 9 TX 305
27 tr 0100 KXII 12 OK 330	16 Es 1034 XHAP 2 GR	28 Es 2112 KDLO 3 SD 1070
0545 KTRE 9 TX 260	1758 KTWO 2 WY 1010	29 Es 0110 KWGN 2 CO 800
28 tr 0328 KLFY 10 LA 375	1803 KWGN 2 CO 800	1515 WAVE 3(IN) 955
0510 KATC 3 LA 375	2223 KDLH 3 MN 1245	1516 WDTN 2 OH 1075
30 tr 0502 KTRE 9 TX 260	2250 KTVI 2 MO 780	1959 WSAZ 3 WV 1125
	18 tr 0544 KSWO 7 OK 325	2120 WCBD 2 SC 1140
	Es 1117 XHBC 3 BN 1025	30 Es 0958 WSAZ 3 WV 1125
	19 Es 0855 KTV0 3 MO 830	1000 KDKA 2 PA 1295
	0900 KGAN 2 IA 960	1026 WDTN 2 OH 1075
	0321 KSLA 12 LA 355	1128 KTVK 3 AZ 835
	0358 KALB 5 LA 380	1139 XHBC 3 BN 1025
	0410 KTRE 9 TX 260	1359 KGAN 2 IA 960
	7 tr 0428 WAFB 9 LA 445	31 Es 1200 WSLI 3 IL 790
	0430 KLFY 10 LA 375	20 Es 0133 WDTN 2 OH 1075
	Es 1923 KDLH 3 MN 1245	0258 WMTT 3 MI 1160
	2150 WBTU 3 NC 1090	0301 KTVI 2 MO 780
		1459 KWGN 2 CO 800

Any ID on the new local channel 17 LPTV (24 hours of Galavision satellite feed from Mexico) has so far eluded me (and they very well might not be even airing one!) - I finally got their call letters from a newspaper item in early June. At least this one is programming, unlike the K02MX pest with nothing by color bars, ID and tone since September 1987.

Pat Dyer (continued)

Some almost-all-nite E skip in May again this year. This "bare bones" report doesn't include relogs of the same station on the same date, even though they might be 15+ hours apart.

In early May, had some problems with highly intermittent spurious emissions (cross-modulation) from the tower site of local 97.3 and 100.3 (8.5 miles wnw of me). This was mostly affecting the FM band, but some effects were noticeable on the TV channels if carefully looked for. A few days after a chat with one of the engineers the problem seems to have gone away (since someone had just put another user antenna system on their tower, I suspect that something was left in less-than-tight condition on it). 73, Pat, WA5IYX

Tim Hall, 350 G St. #F-1, Chula Vista CA 91910-4559

PDT

Equipment:

20 year old black and white GE with Radio Shack outdoor VHF/FM antenna mounted indoors on the second floor.

May 1991	19 Es 0957	KREM 2 WA 1037	21 Es 2102	KYUS 3 MT 1120
	1009	unid ch 3 Idaho		(// KOUS-4)
9 Es 1903		(See Note # 4)	2109	KTVQ 2 MT 1015
		(See Note # 1)	2142	KFOR 4 OK 1133
18 Es 1101	1033	KWGN 2 CO 832	2152	KJRH 2 OK 1224
	1118	unid ch 4 CBS	23 Es 2059	KOTA 3 SD 1087
1121	1119	unid ch 2 ABC	2115	KDUH 4 NE 972
1128	1130	XHPN 3 CU 1017		(See Note # 7)
1204	1204	KRGVt 5 TX	2141	unid ch 2 NBC
1211		(See Note # 5)	2205	KPRY 4 SD 1211
1238	1231	KENS 5 TX 1120	2208	KTWO 2 WY 916
1241	1248	unid channel 4	2228	KRTV 3 MT 1070
1405		(See Note # 6)	2237	KXLE 4 MT 954
19 Es 0703	1330	XHRIO 2 TA 1267	27 Es 1955	KPRC 2 TX 1296
	1445	XHIT 4 CH 711	2000	KBTX 3 TX 1220
0733	1556	unid ch 3 NBC	28 Es 2101	KJRH 2 OK 1224
0751	1558	KENW 3 NM 799		
0818	1700	KPRC 2 TX 1296	June 1991	
0834	1745	KBTX 3 TX 1220	13 Es 2123	XEFB 2 NL 1117
0858	1957	XHBQ 3 ZA 1113	21 Es 1758	unid ch 2 XEW
0859	2000	CBCP3 3 SK 1280		(See Note # 8)
	2006	KWSE 4 ND 1279	1810	XHRIO 2 TA 1267
0902	2051	KSNW 3 KS 1166	1824	XHBQ 3 ZA 1113
0955	2101	KOUS 4 MT 1034		

Note # 1 - unid with hockey playoffs, Pittsburgh vs. Boston. This was not carried by any U.S. Network. No audio; video fair.

Note # 2 - unid PBS station. Hard to guess, as we had two openings in at this time, one to south Texas / northern Mexico, the other to Washington / Idaho / Montana.

Note # 3 - unid with NBC Meet the Press. Mixing badly with KREM at the top of the hour, could not find local ad for "Mack Hyde(?)" used cars in phone books at my library.

Note # 4 - Either KIDK or KLEW with ad for Walker drug abuse centers showing map of Idaho. Both stations unneeded.

Note # 5 - unid with ABC Sports. Logo appeared on lower left corner of screen, couldn't focus in time. Other south Texas stations in very well. This would be new if I could ID it.

Note # 6 - unid with Star Trek, way under KMOL.

Note # 7 - Is this station in Hay Springs (1046 miles) or Scottsbluff (972 miles)? Note KDUH parallel to co-owned KOTA-3 at times. (City of license changed to Scottsbluff. Transmitter is 13.1 miles southwest of Hemingford. fm)

Note # 8 - Clear audio ID "XEW Television." Dozens of possibilities, including Mexico City. Only XEW0 (Jalisco) had been ID'ed here.

Greetings from San Diego! Hope my first contribution is up to standards. (Excellent! fm) I've only seen one issue of VUD, so I don't know if the club has had regular reports from southern California in the past. In San Diego we have no locals on channels 2, 3, 4, or 5, so we're in good shape to catch E skip on the low channels. I use a 20 year old black and white General Electric set with a Radio Shack outdoor VHF/FM antenna mounted indoors on the second floor of my condo. Considering the modest equipment, I'm very happy with the results. Other active TV DXers down here include Neil Kazaross (San Diego) and Steve Mittman (San Pedro).

Tim Hall (continued)

I noticed in the June issue that Glenn Hauser mentioned having a unid Telemundo on channel 2. Of course, I've never seen the original logging to which he was referring, but XHRIO is a regular catch here during E skip, and I don't remember ever catching them NOT running Telemundo programming. They seem to be giving a lot more local IDs this year though, usually omitting the "H" in their callsign.

That's it for now. It looks like southern California is in for its third consecutive season of good VHF TV-DX. 73 and good DX, TRH

(I noted in Glenn Hauser's DX Listening Digest #34 that he has seen Telemundo again on channel 2 and has concluded that it is XHRIO based on ads. He hadn't seen the ID. fm)

William Eckberg, 1032 Sterling Road, Dixon IL 61021

CDT

Equipment: See July 1991 Western TV-DX

June 1991	2 Es 2105	KMID 2 TX 967	8 Es 1300	WEDU 3 FL 1031	19 Es 1315	KTVQ 2 MT 968
3 Es 0045	KPRC 2 TX 893	1800	KSWK 3 KS 869	9 Es 1755	KKTO 2 NM 972	20 tr 0515
	1400	KKTO 2 NM 972	1855	WPBT 2 FL 1229		Es 1830
	1600	WCIX 6 FL 1229	1900	KENW 3 NM 912	26 Es 1210	WBRZ 2 LA 784
	1605	WPTV 5 FL 1168	2000	KDTN 2 TX 719	27 tr 0310	KXLI 47 MN 220
	1655	WPBT 2 FL 1229	2305	KTVQ 2 MT 986	0430	KXLI 41 MN 348
	1700	WEDU 3 FL 1031	13 Es 1400	KRGV 5 TX 1189	0545	KHNE 29 NE 464
	1705	WTVJ 4 FL 1229		KPRC 2 TX 893	29 Es 1230	WEDU 3 FL 1031
	2100	KENW 3 NM 912	1500	XEFE 2 TA 1149		1300
	2130	KNAZ 2 AZ 1258	1600	KACB 3 TX 933		1315
		KIDK 3 ID 1123	1800	WPBT 2 FL 1229		1330
	2200	KSNW 3 KS 498	18 tr 0400	CKCO 13 ON 461		1400
8 Es 1230	WDIQ 2 AL 727	19 tr 0215	WOIO 19 OH 401			1430
						1430
						KDTN 2 TX 719

My unusual logging is Wichita channel 3 via E skip at 498 miles. It is my shortest since Memphis at 451 miles in the late 50s. Typical of skip I've seen under 600 miles, it came in at the end of the opening, the ID and signal were in less than 5 seconds, and it was weak; like a good meteor scatter burst. I've never photographed any E skip under 600 miles for the above reasons. I saw KSN which is the prefix of a network of stations in the area. I got the other Kansas channel 3 for half an hour a week later for the first time.

I logged KXLI-41 years ago while they were independent. Now they are a satellite of KTMA-23. Is it correct to count them again? I think they were black for awhile. I'm not familiar with the history of the station.

(I have chosen to not count the returned KXLI and KXLT as new stations. Although they did leave the air, their licenses were never deleted. The licenses were eventually transferred. fm)

John Jefferson, 4104 Spyglass Ct., Antioch CA 94509 (415-778-8727)

PDT

Equipment:

Hitachi CT-932 fed by a Channel Master UHF Quantum 4257 @ 35' and a Channel Master VHF/FM Quantum 1110 @ 32' on the same mast. Separate downleads with a Channel Master booster on the UHF. Panasonic VCR.

The skip season has begun! Actually have an E skip logging already, which might be a sign of something. As always, new are underlined and * means new to Antioch. Everything done with Hitachi & Channelmaster VHF/UHF separates at 35'.

May 1991	6 Es 1923	KMIDt 2 TX	19 Es 1057	KKTO 2 NM 890	20 Es 0830	KOAA 5 CO 930
	7 Es 2000	KNOP 2 NE 1110		1158-1330	XEPMt 2 CH	1059
	2020	KWGN 2 CO 910	20 Es 0716	KLBY 4 KS 1125		1100
	2158	KACV 2 TX 1110	0729	KACV 2 TX 1110		1359
			0757	KOAA 5 CO 930	21 Es 2357	CCKXt 2 AB
19 Es 0649	@KKTO 2 NM 890	0759	KSWK 3 KS 1120		2359	unid ch 2 French
	0901 *XHIT 4 CH 1100		(Under KCRA-3)		22 Es 0000*	=CITL 4 AB 1210

Randy Miltier and I both had XEPM-2 forever on May 19 without any ID (Had XEW ID at 1259). He had KENW-3 concurrently, so not much question who it was. It was usually

John Jefferson (continued)

a watchable signal here, though the audio was in and out. Wish those fellows would remember the local ID slide once in awhile.

KOAA's picture was unbelievably good - considerably cleaner than KPXX's at 40 miles. For clarity and lack of fading it was possibly the best skip signal I've ever seen. Only had black and white due to extreme off-tuning to avoid KPIE-6 interference, but the way it was coming in, I think I could have fine-tuned it. Problem is that retuning to minimize the garbage is tricky. KSWK's calls were plainly visible for over a minute right through KCRA's otherwise excellent pic.

Am really curious to read about May 21. I was at the office all day - 0900-2300 - and there was skip on channel 2 at 0800 when I left the house!

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

CDT

Equipment:

VHF antenna (unknown vintage) at approximately 30 feet. Tabletop Radio Shack UHF bow tie in the attic at approximately 15 feet. Kawasho 13" color set.

Not much to report. Conditions have been down here, but more importantly I've been busy helping to take care of James Christopher Carl Hanley, born May 8, 1991, adopted May 10, 1991. Here's what's worth reporting:

June 199118 tr 0437 WITI 6 WI 195

(Chris also wrote that his mystery channel 53 carrying WKYT-27 last February 8th was WKGB. He learned from Ed Phelps of Benton, Kentucky that KETs often rebroadcast evening news from area commercial stations. Congratulations on your new son! Maybe you will catch some DX at hours when you used to be sleeping? fm)

Jeff Kruszka, 2824-E Steamship Circle, Harahan LA 70123

CDT

Equipment:

Sylvania 12" black and white, quad loop cut for channel 2, Radio Shack U-75 corner yagi. Mitsubishi HS-U31 VCR.

From Harahan:

<u>June 1991</u>	13 Es 1859 <u>WWAY</u> 3 NC <u>758</u>	24 Es 2000	chs2,3,5 Spanish
7 Es 1828 <u>WFRV</u> 5 WI <u>1005</u>	1924 <u>KNAZ</u> 2 AZ <u>1284</u>		(Too much CCI)
8 Es 1301 <u>WUND</u> 2 NC <u>899</u>	1942 <u>KTVKt</u> 3 AZ	29 Es 1158 <u>KDKA</u> 2 PA <u>925</u>	
1314 <u>WTKR</u> 3 VA <u>920</u>	2212	1243 unids chs 3, 5	
13 Es 1844 <u>KOTA</u> 3 SD <u>1208</u>		1858 unid ch 3 PBS	
		30 Es 1324 unid 2, NBC 3	

From Houston TX:

<u>June 1991</u>	12 Es 1037 <u>KVOA</u> 4 AZ <u>954</u>	12 Es 1043 <u>KTVK</u> 3 AZ <u>1018</u>	12 Es 1447 unid channel 3
1039 <u>KPHO</u> 5 AZ <u>1018</u>	<u>KUA7t</u> 6 AZ		(See Note # 2)

Note # 1 - A first. DX from all four directions within about a four hour period; solar flare induced?

Note # 2 - A very complex TP with four corner circles, one large central circle, and lots of horizontal bars (but no discernable calls). Ron LeBlanc also saw this from New Orleans on the same day, but on channel 2 (he has it on tape). Mexico was in at the time.

A pretty pathetic June following a mediocre May. I bought a Sony Watchman so I wouldn't miss the DX when I'm away from home, and it worked pretty good on a business trip to Houston on the 12th. I was in a four day training class in one of the banquet rooms in the hotel, and fortunately, the instructor gave frequent breaks. So I'd rush up to my room to check for skip for a few minutes at a time. I found a good spot by the window in my hotel room, and E skip came in really clearly (and to my surprise, with readable IDs). That test pattern came in so clearly that I could make out some very fine numbers written midway across the bars (2 3 4 5 4 3 2). If anyone knows what I'm talking about and has IDed this bizarre TP, I'd sure appreciate some help.

I also tried out the Watchman at work, but due to some electrical interference, it won't work in my office (Shoot!). Oh well, I guess it's just as well.

Robert Kramer, Box 8244, Chicago IL 60680 (KB9GXC) (312-262-6299)

CDT

Equipment:

1978 RCA 19" black & white, Sony 1923 19" color, Archer V-185 VHF & Archer U-120 UHF at 60', 2 Archer adjustable preamps (Model 15-1113A), Ricoh XRM 35 mm camera w/Kodak T-Max 400 film, CDE heavy duty rotor, numerous traps and attenuators.

<u>April 1991</u>	31 tr 2017 <u>WNWO</u> 24 OH <u>220</u>	11 tr 2100 <u>WGKI</u> 33 MI <u>206</u>
28 gw 2150 <u>WJVS</u> 62 IN	2322 <u>WLAJ</u> 53 MI	12 tr 2047 <u>WXGZ</u> 32 WI
29 gw 1803 <u>W22AJ</u> 22 IL	2330 <u>WSYM</u> 47 MI	(Thru WFLD-32)
(Waukegon	VJN)	2356 <u>WCCU</u> 27 IL
		16 tr 2159 <u>WFVA</u> 39 IN
<u>May 1991</u>	1 tr 0009 <u>WXON</u> 20 MI <u>240</u>	17 tr 2240 <u>W65BT</u> 65 WI
3 tr 1900 <u>WTLJ</u> 54 MI	0026 <u>WTVS</u> 56 MI <u>240</u>	(Milwaukee WCUI-26)
7 Es 2000 <u>KENW</u> 3 NM 1004	0054 <u>WBSX</u> 31 MI <u>205</u>	<u>W43AV</u> 43 WI
11 gw 1403 <u>W23AT</u> 23 IL	6 tr 0000 <u>W15AM</u> 15 MI	(Waukesha
(Mokena	VJN)	CHA)
1550 <u>WHKE</u> 55 WI	(Grand Rapids WHME-46)	20 tr 0000 <u>WINM</u> 63 IN
16 Es 2256 <u>KIII</u> 3 TX 1116	<u>W19BA</u> 19 MI	2150 <u>W46AR</u> 46 WI
19 Es 2100 <u>KENW</u> 3 NM 1004	(Grand Rapids TBN)	(Milwaukee LPTV)
2100 <u>KIII</u> 3 TX 1116	8 tr 0100 <u>W20AG</u> 20 WI	26 Es 1030 <u>KENW</u> 3 NM 1004
21 Es 2300 <u>KACB</u> 3 TX 1004	(Sheboygan TBN)	1100 <u>WLBT</u> 3 MS 668
27 tr 0745 <u>WEYI</u> 25 MI <u>222</u>	2234 <u>WBSX</u> 31 MI <u>205</u>	1128 <u>KBTX</u> 3 TX 912
0800 <u>WAQP</u> 49 MI <u>222</u>	9 tr 0205 <u>W68BR</u> 68 IL	1300 <u>KATC</u> 3 LA 840
0830 <u>WLLA</u> 64 MI	(Rockford WCFC-38)	<u>WEDU</u> 3 FL 1002
0905 <u>WJRT</u> 12 MI <u>224</u>	0308 <u>WEYI</u> 25 MI <u>222</u>	1418 <u>KACB</u> 3 TX 1004
28 tr 2214 <u>KOCC</u> 28 IA <u>210</u>	0427 <u>WGKI</u> 31 MI <u>206</u>	1427 <u>KPRC</u> 2 TX 941
2328 <u>KLJB</u> 18 IA	0455 <u>WPBN</u> 7 MI <u>225</u>	1430 <u>KFDX</u> 3 TX 804
2357 <u>KYIN</u> 24 IA 307	0505 <u>WXON</u> 20 MI <u>240</u>	1500 <u>KENW</u> 3 NM 1004
29 tr 0100 <u>W30AL</u> 30 IL	<u>WTVS</u> 56 MI <u>240</u>	1530 <u>KATC</u> 3 LA 840
(Plano	CHA)	Es 1743 <u>KDFW</u> 4 TX 801
("WFXV-Fox Valley TV")	1755 <u>KSWK</u> 3 KS	<u>July 1991</u>
31 tr 2016 <u>WGVK</u> 52 MI	11 tr 1600 <u>WCMW</u> 21 MI	1 Es 2200 <u>KBTX</u> 3 TX 912
	2100 <u>WCMV</u> 27 MI <u>206</u>	

After a 10 year absence from serious DX, I finally got permission to put up an antenna system. It's amazing how many new stations have come on. I have gotten a channel 29 in Kokomo, Indiana parallel to WTTV-4, but haven't been able to get an ID. The Jukebox Net stations on channels 22 and 23 are easy to read the calls, but no location. There are 3 others in the Chicago area: W04CK and W13BE both in Chicago and W36AO in Palatine, Illinois. 73, RK

Information from Jerry Stuart of Lawton OK

More information on KSBI-52. Location - 1350 SE 82nd, Oklahoma City. Owned by Locke Supply - a plumbing company. ERP - 1350 KW visual / 135 KW aural. Anyone noting Fox, SportsNet (PrimeNet) on channel 35 or 53 - they are owned by KJTL-18 Wichita Falls TX. KJTL uses them as backup. K35BO in Wichita Falls and K53DS in Lawton. K53DS on local FM tower KMGZ-95.3.

Anyone know what WCY-25 Dallas TX is (bar and ID only)?

(Thanks for the info. Hopefully, a television news column will return which is where this stuff belongs. You didn't say what channel you saw the WCY-25 ID on (or did you mean channel 25?), but it looks like a television relay call letter assignment. I found a broadcast auxiliary license in Dallas with those call letters on 2093 MHz. In 1985, the licensee was shown as Public Communication. fm)

And from "sun watcher" Ed Frye in Santa Clarita CA

June 10th - On two occasions since Memorial Day weekend (the most recent being today), I observed something in the sky that may soon contribute to skip conditions (if it already hasn't). Looking at the sun through some very dense coastal fog, I have noticed what appears to be a large region of sunspot activity. The first time I noticed this, on May 25th, in the early evening just before sunset, I didn't give my sighting much thought. This morning, however, while driving to work, I once again saw the same black spot on the sun's surface. This time, however, it was located in the upper lefthand portion of the sun (I had previously seen it in what could be considered the lower righthand quadrant).

Ed Frye (continued)

With only CATV at my disposal for the time being, I noticed some CCI on local channel 2 a day or two before Memorial Day, but haven't seen anything else since then.

June 12th - That large dark area I noticed was a solar storm! This morning, I listened to a local radio newscast that reported a "massive solar flare" having occurred Monday night, June 10 (that coincides with my sighting). The report continued, saying radiation from the flare reached earth at 0700 PDT, "at a magnitude of X12-plus, one of the highest ever recorded." I may not be able to catch any DX off this flare on the TV screen (with my system currently disassembled), but I definitely saw it coming on the sun's surface!

Fred McCormack, 135 Prairiewood Drive, Fargo ND 58103

CDT

Equipment:

VHF: Broadmoor 9" black & white, Winegard CS-4053; UHF: Teknika 6510 tuner, Winegard CH-9095, Blonder-Tongue CMA-Uc preamplifier; Alliance rotor.

June 1991	6 tr 0724 K30DK 30 MN 100	6 tr 0845 K18DI 18 MN 155
24 Es 1545 unid ch 2 NBC sw	(Bemidji KMSP- 9)	(Granite Falls STV-CBN)
1658 KREGt 3 CO	0730 K65DI 65 MN 105	0848 K35-- 35 MN
July 1991	(Walker KVR-15)	(Unknown STV-TNN)
6 tr 0044 C1C091 44 ON 215	0827 K19-- 19 MN	Es 1357 WMAB 2 MS 1015
0656 K49CU 49 MN 110	(Unknown STV-USA)	1428 KETS 2 AR 890
(Walker KMSP- 9)	0832 K22DO 22 MN 155	7 Es 1058 KDKA 2 PA 945
0659 WHWC 28 WI 270	(Granite Falls STV-TNN)	1130 WTKR 3 VA 1250

No E skip has been identified yet from my St. Paul location. Even though I am restricted to rabbit ears, I really expected more success. We had a rare advantage as KTCA-2 was off the air during most of the morning and afternoon for quite a few days as work was done on their tower. It was during one of those periods on July 2nd that I noted E skip on channel 2 from 1030 to past 1230, but no IDs. I had an NBC at noon on that date.

I spent June 21-24 at my Fargo QTH and even though the TV was on channel 2 to full time, I noted no E skip until the afternoon of the 24th and then a rather short and erratic opening. I expected a hot period!

Tropo on July 6th brought my first (and probably last!) TVO with channel 44 from Kenora, Ontario. I think it has been on the air for quite some time, but has not been seen before. The signal was fine. As for the two LPTVs which I do not yet have tied down, the channel 35 is most likely at St. James. The channel 19 could be at Redwood Falls or St. James. If it is St. James, that indicates a change there as KEYC-12 holds the permit for use as a translator.

Reporting tip

Please don't write or type on the left one inch of your reports as each report is punched and put in a three ring binder when it is received.



MEDIUMWAVE DX CONFAB TO BE HOSTED BY WTFDAer!

If you DX the AM broadcast band, or are interested in learning more about the Mediumwave DX side of the hobby, you're invited to Bridgeport, WV for the August 30 to September 1st Labor Day weekend. The NATIONAL RADIO CLUB (world's largest mediumwave DX group) Convention is being hosted by WTFDA's Bill Swiger. Site will be the Holiday Inn, 100 Lodgeville rd., Bridgeport, with reasonable room rates. For more info on the event, contact: Bill Swiger - RR 1 Box 142A - Bridgeport WV 26330-9368, (304) 842-4635

EASTERN TV-DX

Bill Nienajadly
PO Box 2999
Clifton NJ 07015-2999
1-201-478-3044
no collect calls

August 1991 Cutoff 3 Months ago Deadline September 5 1991

Please see July 91 for EIVDX Territory. Note: DC is also included too, forgot to mention it in the July VUD. IT IS CONVENTION TIME!!! ARE YOU ALL GOING?? Maybe I'll see ya there!

E-Skip did come back, but it was poor or horrible for some. Others say it was about average. In talking with some of you on the phone or reading through some of your reports, most agree that the Solar flare up and the Aurora activities DID hamper E-Skip and unfortunately it seemed to happen during the prime DX days. Sigh, so it goes, but, don't forget about the Persoids in mid August! Tropo, that other form of DX, is another thing to look for! Now, on to YOUR DX!

John F Combs PO Box 7581 Tallahassee FL 32314

* Indicates VCR Logging

May 1991

16 Es 1615 CUBA 2 905	3 ES 1113 El Salvador 2 1225	16 Tr 0001 WMAH 19 MS 279
& other SS UNIDS to 1830	1115 El Salvador 4 ?-T	0001 WQKV 25 MS 286
(see note # 1)	(See note #6)	0610 WBS 17 GA 231
19 Es 0859 Guatemala 3 1210	1120 Honduras 5 ?-T	0610 WATL 36 GA 233
0915 KKTO 2 NM 1334	(See note #7)	16 ES Phone Call From Matt
(ID 3/4 CB)	1135 Guatemala 3 1210	Sittel alerts me to
*0955 KMID 2 TX 1067	(See note #8)	Es-Thanks Matt!
*1100 KPRC 2 TX 673	1733 KJRH 2 OK 762	1815 CKCO2 2 ON 1015
previously by Tr	1749 KSNC 2 KS 991	1818 CKVR 3 ON 992
*1230 XHRIO 2 TA 863	1756 KIVO 3 MO 803	1844 WFSB 3 CT 1007
(see note #2)	1800 KIMT 3 IA 963	1847 CBLT 5 ON ?-T
2341 KSNC 2 KS 991	1816 KSNW 3 KS 909	1857 CFCL2 2 ON 1246
2359 KROP 2 NE 1180	2141 KACB 3 TX 958	1900 WKTV 2 NY 1013
21 ES 0958 UNIDS 2	2141 KFTW 3 TX 867	2025 CTTT2 2 ON 1079
*1058 WBAY 2 WI 986	2157 KMID 2 TX 1067	21 Tr 1530 WTTA 38 FL
27 ES 2000-2140 UNIDS 2-5	7 ES 1827 KIMT 3 IA 963	St Petersburg 1st day
28 ES 1645-1656 Brief Un 2,3	1920 KDLO 3 SD 1235	on the air w/1800
29 ES 0928-UNIDS 2-5	1922 WOI 5 IA 941	sign on.
30 Tr 0535 WXIA 11 GA 229	1938 UNID 2 Spanish!!	
WATL 36 GA 233	(obviously 2 clouds at	
0559 WCLP 18 GA 299	the work here,hi...)	
0600 WRMG 42 AL 258	1946 KDLT 5 SD 1159	
0600 WGNX 46 GA 233	8 ES 1005 KACV 2 TX 1070	
0600 WHSG 63 GA 233	1100 KENW 3 NM 1152	
Monroe TBN	1900-1930 UNIDS 2,3	
30 ES 2026 KMID 2 TX ?-T	10 ES 1020 Colorvision 2 1175	
31 Tr 0545 WGN0 26 LA 340	Dominican Republic	
WNOL 38 LA 340	(See note #9)	
WTZH 24 MS 292	12 ES 1415 XHCC 5 DF	
W63BK FL 179	(ID 374 CB)	
Pensacola TBN	1422 UNID 2 SEP	
0558 WBRZ 2 LA 413	1422 UNIDS 3,4 ECO	
0625 WHLT 22 MS 302	1510-1725 Away from dials	
2258 WJEB 59 FL 160	1725 XHRIO 2 TA 863	
Jacksonville TBN	1728 KMOL 4 TX 873	
see note # 3	1728 KGBT 4 TX 840	
31 ES 2310-2320 CCI on ch 2	1849 XHBC 3 TA 1250	
(ID Super over toons)		
June 1991		
1 Tr 0758 W33AL GA 169	13 Tr 0450 WGN0 26 LA 340	
Brunswick TBN	0450 WNOL 38 LA 340	
1 ES 1447 UNID 2 "ECO"	0450 K59DG LA	
1530 EL Salvador 2 1225	New Orleans TBN	
(See note #4)	ES 1245 XHRIO 2 TA 863	
1550 XHRIO 2 TA 863	and many SS unids	
2031 UNID 2 Imevision	to 1525+	
UNID 4 Imevision	14 Tr 0623 New Orleans U's	
2 ES 1255 XHCH 2 CH ?-T	15 Tr 0805 WPB,Ft Pierce,	
(See note #5)	Melbourne U's	
3 ES 1113 UNID 2 ECO	ES 1305+ UNIDS 2,3,4 ECO	
	in ALL afternoon	
	no IDs of course	

Please turn the page for the rest of John's comments and notes-BN

NOTES

#1 Carlton Howington called from St Pete to tell me of solid ES reception from Cuba unusual for him due to the short distance. I found an extremely weak, scattery, almost like Trs, as if I were not really in the opening at that point, but on the fringes. This faded out after 5 or 10 minutes. Then a regular opening commenced about 20 minutes later. Perhaps there is such a phenomenon as "E-Skip Scatter"?

(John, this is my theory. Suppose there is a TROPO Duct receiving the E-Skip and ducting or scattering the signal to your QTH. Surely this SHOULD be possible, if Tropo can scatter then surely E-Skip can reflect/reflect too and possibly DUCT too. It isn't really farfetched an idea at all-BN)

John Combs continued

Note # 2 But now IDing as "XRIO-TV" Matamoros-McAllen" An official change of calls or not? (John, I answered last month, but its well worth repeating again. According to Ed Phelps of KY, he says that the XH prefix belongs to Mexico hence, XRIO IS CORRECT. However, XR prefix belongs to South America, I believe he said Chile. So XRIO is not correct. UNLESS however the Chile and Mexico both agreed to using a XR prefix. If in doubt check the international allocations list-BN)

- Note # 3 Would be station # 400 in my Jacksonville log if I were there to see it!
- Note # 4 Recognized logo and music seen often on Carlons DX tapes!
- Note # 5 Live news/sports with heavy emphasis on Guadalajara-area teams, Seemed local..
- Note # 6 "Phillips" TP, but no ID or date/time like Cuba's. Later noted rxcast "Noticero 4"
- Note # 7 IDs as "Canal 5-el lider" & brags about having the best programs, biggest audience, etc.
- Note # 8 Ad with prices in quetzales-the monetary unit of Guatemala. (If it had been limpires, it would have been Honduras)
- Note # 9 Good timing! I was running late to work and briefly fired up the Teknika and heard program promos and ID!!

Comments

Summer skip has been a mixed bag. There have been only a handful of "good" openings, with none that I would call "excellent" or "super". MUF has rarely ventured into FM. I'm handicapped by a busy work schedule + 2 out of 3 VCR's are currently non functional (with the third one ailing), so I haven't done much tape delay work.

The really unusual aspect of this summer's skip, is the number of Latin American openings! I don't think I've seen a Florida TV-DX summer when Mexican & Central American signals were so plentiful. (Then again if I see one more unid ECO or Imevision relay, Im blowing up the local Taco Bell in protest, hi.) (Well, John I guess you didn't hear about ABC,CBS and NBC are all merging and will call themselves Excellent Communications Organization or ECO for short,Hi!-BN)

There has also been some solid tropo in the AM, particularly to New Orleans, with K59DG finally logged (Carlton probably sees them every week, hi...). Im considering raising the 4 bay another 5 feet or so in order to totally clear the roof and make DX to the North and Northeast easier. I'm more concerned with the stability of the mounting (a fire escape railing) than any protest from the land lord, who has quietly accepted my 8 or 9 antennas (though a few of the neighbors refer to me as "Mister I-Spy!!") 73 John

Robert Ross Box 1003 STN. B London Ont N6A 5K1 Canada

May 1991

23 Tr 2345 CIII 27 ON	5 ES 2033 WWL 4 LA	14 Tr 0750 CBCE 16 ON
2350 WNEB 17 NY	8 ES 1029 WPBT 2 FL	16 ES 1815 WTVJ 4 FL
2359 WUTV 29 NY	9 ES 1828 KPRC 2 TX	17 ES 2320 WLBZ 2 ME
	9 ES 1834 KDFW 4 TX	2325 CJCB 4 NS
<u>June 1991</u>	1850 KXAS 5 TX	-----
3 ES 0030 WBRZ 2 LA	10 ES 2120 UNID 2 CBC	WLBZ 2 MAINE, State # 31, had sport
ID on screen Good	Maritimes opening	-s, Local High School BB incl team
		from Madawska ME. also ment W. ME.

Matt Sittel PO Box 21451 511 J Wood Hall, NCSU Raleigh, NC 27607

(Ed Note: Matt says address effective as of August 17, 1991)

May 1991

29 ES 1452 CUBA 3	30 ES 1153 UNIDS 2,3	7 ES 2029 KSWK 3 KS 1256
1502 CUBA 2		8 ES 0900 KTBS 3 LA 894
1559 KPRC 2 TX 1063	<u>June 1991</u>	1029 KPRC 2 TX 1063
1631 KMID 2 TX 1371	1 Es 1910 UNID 2,3	1129 WBRZ 2 LA 814
1659 KDTN 2 TX 1069	3 ES 1227 KJRH 2 OK 950	9 ES 2039 UNIDS 2,3,4,
1730 KBTX 3 TX 1062	1228 KPRC 2 TX 1063	12 ES 0702 KPRC 2 TX 1063
1914 KJAC 4 TX 904	1313 KFDX 3 TX 1131	0725 KBTX 3 TX 1062
1959 KDLH 3 MN 1033	1407 CUBA 3	1438 UNID 2 SS
2000 KGAN 2 IA 841	1415 CUBA 2	13 ES 2130 KPRC 2 TX 1063
2029 KMIV 3 NE 1012	1622 KATC 3 LA 883	14 ES 1155 UNID 2
2029 KITT 3 TX 1238	1659 WBRZ 2 LA 814	16 ES 1829 KGAN 2 IA 841
2056 KIVI 2 MO 673	4 ES 1229 KJRH 2 OK 950	1830 WCIA 3 IL 613
2108 KSNW 3 KS 1050	1259 KFDX 3 TX 1131	1840 WBBM 2 IL 643
		1843 WISC 3 WI 767

(Please turn to the next page for the rest of Matt's report-BN)

Matt Sittel continued

June 1991

20 ES 1155 UNIDS 2,3,4	29 ES 1031 XHY 3 YU 1358	29 ES 1659 KSWK 3 KS 1039
25 ES 1028 UNIDS 2	1251 KIII 3 TX 1069	1918 KMOL 4 TX 1037
KINGSPORT TN DX	1259 WBRZ 2 LA 657	1928 KBTX 3 TX 877
	1407 KJRH 2 OK 734	BACK IN RALEIGH AGAIN
26 ES 1400 UNIDS 3	1629 KTBS 3 LA 700	30 ES 1859 WCAX 3 VT 682
		2000 CBHT 3 NS 1001
		UNIDS 2,3,4

Hi! E-Skip has been unusually minimal so far. I would have expected much more than the above. I left out my tropo catches, which were very little, though. I did get WCES-20 once, and I saw finally WJWJ-16. Plus I got a xltr on 64 of WFXI-8 from Kinston. We also unfortunately have a TBN affiliate in Raleigh, now. 73's Matt.

Harry Hayes 9 Henry St Wilkes-Barre, PA 18702

Equipment: 1971 RCA color TV w/Ch2 quad loop, Zenith 1991 color Sentry II w/6ft. dish in attic and a PA 4975 AMP.

June 1991

2 Es 2300 KSNB 2 KS	7 ES 1710 KPRC 2 TX	16 ES 2100 WMBB 2 MS
2300 KJRH 2 OK	1800 KTBS 3 LA	20 ES 1300 WEDU 3 FL
5 ES 2035 KARK 4 AR	16 ES 1830 MUF 100+ Mhz	29 ES 1645 KETS 2 AR

The good news this season is that I have a lot of time to do non DX things like chores that need to be done around the house. The bad news is that this is absolutely the crummiest season I've ever experienced and I've DXed every one since 1969. First skip was not seen until 5/21 despite daily monitoring, this is a "late" record. This summer is no help for tropo, it is the hot dry 1988 type of summer. I've experienced a little enhanced CX to New York State, but that's all. I don't expect to make Dunkirk this time. It looks like everyone will have to think of something else besides DX to talk about there, because there's none this year.

Charles Gauthier 3260 Bealieu Brossard PQ J4Z 2P7

May 1991

15 Tr 0000 WROC 8 NY 261	<u>June 1991</u>	2 Tr 0900 CBLFT13-15 ON 209	7 ES 1959 WJXT 4 FL 1166
TO WOKR 13 NY 261		CBLFT14-32 ON 173	17 ES 2305 KPXY 4 SD 1341
0100 WNEB 17 NY 323		WNYB 49 NY 323	2317 KMIV 3 NE 1187
WXXI 21 NY 261		W59DW NY 261	2320 KTVI 4 IA 1177
29 ES 1859 WLBT 3 MS 1305		(WNYB 49 NY)	2325 WHBF 4 IL 914
31 Tr 1640 CKWS 11 ON 173		WUIV 29 NY 323	2329 WDAF 4 MO 1186
		Over CFIV Montreal	20 ES 1559 WTVY 4 AL 1227

Equipment: VHF-UHF 40 Element Archer antenna at 37 ft above ground RCA color TV.

This is my first report in over a year, well my first since you took over from that dude from Florida (Hi!). Last year was terrible for any form of propagation (one day of skip, believe it or not!). The conditions are average so far this season, but provided some interesting openings. Thats it for now, Keep up the good work, You're doing a great job. (Thanx Charles!-BN)

Soixante-Treize (73) Charles

Saul Chernos PO Box 611 Orillia On L3V 6K5 Canada

From Burnt River

May 1991

30 ES 1830 KUSD 2 SD	29 ES 1728 WWL 4 LA	2 ES 2317 KPRC 2 TX
29 ES 1353 WPBT 2 FL	<u>June 1991</u>	2337 KDFW 2 TX
1530 WDIQ 2 AL	2 Tr 0730 CBLFT 61 ON	3 ES 0027 WBRZ 2 LA
	2 ES 2259 WPBT 2 FL	

From Orillia

6/4/91 ES 1230 WPBT 2 FL 7/1/91 ES 0001 KOTV 6 OK 7/1/91 ES 1730 WPBT 2 FL

Most time spent on FM, as I've have no real UHF set up, & only average for ES 73's Saul

Mike Hardester PO Box 8159 Camp Lejeune NC 28542-8159

- CH 2 WCIV? WCB? SC, Charleston::: 5/30 at 2327 mostly over-riding local WCTI's AUDIO portion, though at times the VIDEO was clearly that of the Charleston with "Channel 2 Action News." This is important as WCTI is CH 12 (CH 2 cable). Into "Three's Company" at 2330. (M. Hardester, NC)
- CH 3 or CH 7 WSAV GA, Savannah over/under WWAY (CH 3 in Wilmington) on 5/30 at 2310 to 2325 tune-out. PLENTY of info if I wanted to send a reception report: a fairly good signal at times. Channel? I was on Cable CH 3, BUT, I thought I heard promos for "W S A V 7," and one ID card where the number certainly looked like a "7." (M. Hardester, NC)
- CH 4 UNID noted 5/31 at 0600 w/NBC News. I've noted this one before, but no idea where it's located. Fair signal - steady until WUNC-19 (PBS Station) signs on: cable CH 4. Oops, again: location is UNID; ID card looks like (as CH 2) WCIV. (M. Hardester, NC)
- CH 8 WGHP NC, Piedmont noted virtually every morning (Cable CH 6) until WFXI (Morehead City, NC. - CH 8) signs on. (M. Hardester, NC)

Christopher S. Dunne, 21541 Nw 8 Ct., Box 81, Pembroke Pines, FL 33029

5/6 Es 1900 WAVE 3 KY 850 (Note 1)	6/12 Es 0855 WBT 3 NC 600 short! 0858 WAVE 3 KY 850 (Note 4)	6/14 Tr 1120 WJKS 17#FL 300 WNFtt47#FL 300 Cagney&Lacey W59--59 FL 300 TBN W16AJ16 FL 150 //WESH 2 WAW5 30#FL 300
5/29 Es 1054 KIII 3 TA 1010 (Note 2)	0859 WBSV 3 VA 820 (note 5)	
6/2 Tr 0100 WFL 46 FL 75 (Note 3)	1000 KDeA 3 LA 730 1030 KIII 3#TX 1010 good color 1030 unid 6 Regis	6/20 Es 1125 WAVE 3 KY 850 Trial Watch
6/3 Tr 0130 WBSV 62 FL 120 Test pattern	1030 KRGV 5 TX 1000 (note 6)	6/25 Es 1100 KY, 3 PA 980 (Note 7)
Es 1800 KBTX 3 TX 970 1822 WCIA 3 IL 1010	6/13 Es 0830 WTKR 3 VA 750	

NOTES...

- (1) Brereton Jones mentioned, running for office, Curr. Affair @ 7pm.
- (2) Geraldo, 2 ads w/ "991-XXXX" phone #s.
- (3) Finally at higher power.
- (4) Many mentions of KY.
- (5) Thought I heard "Harrisburg", must've been "Harrisonburg".
- (6) Whenever I get my Es on a ch other than 3 you know it had to be great!
- (7) Eyewitness News promo, Group w-like "3" logo.

Equipment: see past VUDs.... "4" = color. Seven 10s & a 3

William R. Hepburn 1211-1547 Mississauga Vly Mississauga ON L5A 3X8 (EDT)

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

May 1991	29 ES 1756 WPBT 2 FL 1220	16 ES 1931 MUF 4
15 TR 0146 W22 22 NY 112	1759 MUF 3	20 TR 0217 C 39 ON 285
	June 1991	
0452 WTJC 26 OH 340	3 ES 0028 MUF 4	Hawkesbury
21 TR 0914 WUNY 22 VT 325	1305 MUF 4	(TVO La Chaine)
0917 WETK 33 VT 325	1359 KDIN 2 IX 1180	0223 CJC 48 ON 285
ES 1106 WEDU 3 FL 1100	Denton-Dal-Ftw	Hawkesbury
1120 MUF 4	4 ES 1407 MUF 2	(TVO)
27 ES 1936 MUF 2	8 ES 0738 MUF 2	ES 1229 WPBT 2 FL 1220
28 TR 0608 WKDI 43(OH) 375	13 ES 2034 MUF 4	1306 MUF 99.1
		1315 WEDU 3 FL I

Comments: Not too much going on. Channel 22 Olean had a very unstable perhaps a poor pickup from the satellite. I will be moving into a house in neighbouring Brampton in the fall and hopefully will finally have a half-decent

Eric Voytko 1721 Dalewood Place, McLean VA 22101 (703-356-9663)

June 1991

20 ES 2000 KPRC 2 TX 20 Tr 2310 WXII 12 NC, WBRE 28 PA, 28 Tr 0600 WGPC 8 PA
30 ES 2100-0100+ KGAN 2 IA, Several UNIDs 2 & 3's

July 1991

1 ES 1700-2300 MUF 90.7 Comments: June ES was like the weather here-very dry. After May 29th, only very short opening were noted, rarely rising above ch 2 and never above ch3. I have no access to TV during weekday mornings, so its possible that I missed the best stuff during that time of the day. there is hope for a better July though. The late night openings on 6/2 & 7/1 were a welcome sight. The 7/1 opening was very intense. It was just too jammed up to be productive. Hopefully some more stable openings will be in store for 73's Eric

Frank Wheeler 6589 Wattsburg Rd Erie PA 16509

Equipment: Sylvania 19" 1985 year, Archer VU160 Antenna, Rotor Servo

May 1991

18 Es 1100 WPBT 2 FL 1110	4 ES 1157 WBRZ 2 LA 1016	8 ES 1930 KLINE 3 NE 1005
22 ES 1030 WEDU 3 FL 988	1228 KPRC 2 TX 1212	20 ES 1053 WPBT 2 FL 1110
1100 WPBT 2 FL 1110	1259 WDIQ 2 AL 802	1230 WEDU 3 FL 988
1300 KBTX 3 TX 1183	1300 WPBT 2 FL 1110	1257 WTVJ 4 FL 1110
29 ES 1800 KATC 3 LA 1071	7 ES 1800 KPRC 2 TX 1212	1300 WESH 2 FL 908
2100 WDIQ 2 AL 802	1805 WEAR 3 FL 891	26 ES 1130 KBTX 3 TX 1183
June 1991	1830 KBTX 3 TX 1183	1229 KPRC 2 TX 1212
1 ES 1058 WPBT 2 FL 1110	1831 KSNW 3 KS 962	29 ES 1400 WEDU 3 FL 891
1229 WMAB 2 MS 775	1900 KMTV 2 NE 817	1430 WPBT 2 FL 1110
	8 ES 1917 KDFW 4 TX 1127	1630 KDIN 2 TX 1078

Not to sure of KDIN 2 as heard last 3 letters of call as DIN. Definitely not WDTN, Dayton as DIN came in on skip. KDIN is listed on Ch.2 in WIFDA N. American TV Data Base. Any help?

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

May 1991

31 ES 2058 CUBA 3	8 ES 1202 WESH 2 FL 720	26 Tr 0745 WLIG 55 NY
June 1991	1230 MUF 2	29 ES 1528 WPBT 2 FL
3 ES 2000 CUBA 2	1259 WBRZ 2 LA 950	1602 CBS 3
7 ES 1800 KDIN 2 TX 1164	1403 ABC 3	1617 NBC 3
1827 MUF 88.1	1422 NBC 2	1730 Fade out
1859 KFDX 3 TX 1225	1425 CBS 3	30 Tr 0409 WYED 17 NC
8 ES 1030 WEDU 3 FL 846	1700 Fade outs	ES 1230 WEDU 3 FL 846
1047 CUBA 2	1909 KJRH 2 OK	1233 CUBA 3
1100 WPBT 2 FL 900	1914 KFDX 3 TX 1225	1433 CUBA 2+
	2053 Fade outs	1641 Fade outs
	9 ES 1612 MUF 2	

Paul Mount Box 126 Lincroft NJ 07738

Equipment: Teknika TVC-22 tuner, Sanyo 21C100 monitor, 2 sets rabbit ears VHF: Archer 4 bay table UHF hanging in the window.

May 1991

1 Tr 0828 WGNT 27 VA	15 Tr 0130 WWLW 56 PA	15 Tr 2359 WETA 26 DC-\$
0858 WNAC 64 RI	0201 WLYH 15 PA	Note #1
0915 WMPY 22 MD-NWS on SAP	2321 WHSW 24 MD	20 Tr 0155 WBFF 45 MD
0920 WBOC 16 MD	2323 UNID 42 SS	21 Tr 0059 WFTX 25 MA
0926 W46 PA //WGBS 57	(I think its in DC-BN)	0140 WPRI 12 RI
0929 WFTY 50 DC	2325 WNUV 45 MD	June 1991
6 Tr ??? 26730 CT,40 NJ	2330 WMM 32 DC	See Note # 2
tent.56,66 Boston	2333 WTKR 66 VA	9 Tr 2310 WHDH 7 MA-audio
15 Tr 0110 WIVE 51 PA HSC	2354 WDCA 20 DC	2312 WJAR 10 RI
0125 WNEP 16 PA	2356 WBFF 45 MD	2355 WWLP 22 MA
		10 Tr 0001 WBSB 36 RI
		0005 WNAC 64 RI
		0040 WPRI 12 RI
		0100 WTVB 54 NY

Note # 1 Then had to leave. Nice to see strong even color signals on channels previously unlogged.

Note # 2 June 9 th tropo just like last year, the day after a GTG,

-Continued on next page-BN

Paul Mount continued

Note # 2 Continued-Su nite tr to new England! WABC 7 NYC almost unwatchable on cable; Most CTs such as 8,18,24,26,30,49,53,61 in @ 2300.

Comments; Found some benefit in having the second pair of VHF rabbit ears to get Boston audio thru NYC on June 9th. (Paul I'll bet it was phasing that really helped-BN) Not much skip ID-ed so far during most noontime, evening checks, I see it only on ch 2. I also check for trop around midnight or 2 AM. Generally if I can't get 55-Riverhead, 40 Wildwood, 22 or 28 Scranton & 51 Reading, I know it's not gonna be worth spending much more time at it. The NJN (23,50,52, and 58) has been on reduced schedule due to budget restraints. (I know, isn't it wonderful?-BN) WFTY 50 DC is often there after s/off, no luck on Vineyard Haven 58 though. 73

Jeff Falconer Box 63 Clinton ON N4M 1L0 Canada

Equipment: Icom R-7000, 25 el log periodic at 25' with rotor

May 1991

11 Tr 0300 W59CA MI 180
(Jackson WAGP-49)
18 ES 1443 UNIDS 2/3/4/
20 Es 1223 CUBA 2 1410
1228 WFBT 2 FL 1218
1257 WEDU 3 FL 1087
29 ES 1600 UNID 2
1714 WESH 2 FL 1011
1729 WEAR 3 (AL) 956
1746 WKRG 5 AL 956
1754 WWL 4 LA 1055
1800 WDSU 6 LA 1050

31 Tr 2300 W44AG PA 130
June 1991
2 ES 1155 UNID 2
3 ES 1803 UNID 2
7 ES 1927 KRIS 6 TX 1413
1928 KPRC 2 TX 1237
1930 KBTX 3 TX 1201
8 ES 1200 WEDU 3 FL 1087
16 ES 1905 UNID 2
20 ES 1557 UNID 2
23 ES 1259 WBRZ 2 LA 1060
24 ES 1915 KSNC 2 KS 966
25 ES 1550 UNID

27 ES 2005 UNID 2
29 ES 1239 UNID 2
1400 WDSU 6 LA 1050
1412 WWL 4 LA 1055
1451 WKRG 5 AL 956
1300 KATC 3 LA 1110
1730 Fadeouts
2045 KIMO 2 WY 1248
2046 CKCK 2 SA 1176
2047 UNID 3 MB/SA?
Unid on CBC French
net with Expos base
ball

Decent openings on May 29th & again June 29, both openings made it to the top of the FM band. other than that nothing out of the ordinary. 73 Jeff

Greg Coniglio 5100 Glenwood Drive Williamsville NY 14221

May 1991

27 ES 1900 KFDX 3 TX 1239
28 ES 1815 KIMT 3 IA 612
Tr 2330 W63AB PA 115
(Mansfield WVIA-44)
2345 WOLF 38 PA 185
Elmira-s/f, Bing & Scr-vg
29 Tr 0030 WLYH 15 PA 220
0030 WSRG 46 NY 153
0051 WWLF 56 PA 192-n-s/f
0040 W69AI NY 195
(Stamford WSKG 46)
0055 W22** NY 66
(Olean TBN)
0100 W60AI NY 62
(Cuba WNEB 17)
0130 WGBS 57 PA 270
29 ES 1700 WBRZ 2 LA 1113
1700 WEAR 3(AL) 984
1730 WLBT 3 MS 978

29 ES 1815 KATC 3 LA 1168
1910 WDSU 6 LA 1093
1911 KALB 5 LA 1118
1930 WBRG 6 AL 788
June 1991
2 ES 2309 KFDX 3 TX 1239
2322 KSNW 3 KS 1050
2 Tr 2330 WFWA 39 & WKJG 33
+Ft Wayne 367, WGTE 30
Toledo gd 259 w/WUV 29 off
7 ES 1815 KBTX 3 TX 1281
1925 KXAS 5 TX 1224
9 ES 1900 KOTV 6 OK 1022
10 ES 2000 UNIDS from NS & NF
14 Tr 0810 CICO 42 ON 185
(Parry Sound:TV Ontario)
0830 WCKI 33 MI 343
DetroitE, Toledo, Bay City
& Lansing U's

16 ES 2315 WLBT 3 MS 978
2320 KATC 3 LA 1168
20 Tr 0715 Youngstown U's
line on lcl W58AV
0730 WCFE 57 NY 266
WEIK 33 VT T
0800 WSFJ 51 OH 285
0801 WKBS 47 PA 167
over CFMT
0808 W62AD NY 135
(Nedrow WCNV 24)
0818 W64AK OH 144
(Connecticut WVIZ)
20 ES 1910 WEAR 3(AL) 984
1912 WBRZ 2 LA 1113
21 Tr 0705 Lima OH 27,35
0713 CBLFT17 68 ON
relig audio no Frenc
24 ES 1905 KSNC 2 KS 1094
1910 KSNW 3 KS 1050
26 ES 1030 KDTN 2 TX 1223
1100 KFDX 3 TX 1239
1130 KRAL 6(LA)

So far this year's skip season has been horrible. Unless July brings an amazing turnaround, this will be the worst skip season I have ever seen. The best days so far are May 29th and June 26, but even those were nothing spectacular. With the exception of June 26, the problem with this year's opening is that they did not last long, they may start out strong but only last a 1/2 hour or so. June 26 did end up lasting awhile, but it was not a very strong opening, signals were weak most of the time. As of June 27 I have not seen KMIV, KLINE, KYTV, or KOTA on channel 3 yet, and that is unheard of! Tropo have not been great either, but there have been some interesting openings here and there, so not a total washout. Is the new ch 53 Lansing Michigan a religious station? Maybe Sarnia picks up 53 London off the air, explaining my logging of them (68) with religion. Oh well, hope to see you all at Dunkirk in a week or so! 73, Greg

Dave Nieman HO-STA-GEH Road Rock City NY

Equipment: RCA 9" TV, 4 bay DX TELE LABS EU4-S preamp (not working right). Radio Shack V-110, both antenna at 12' above ground 2392' ASL. RG-6 coax used.

May 1991

25 Gw 1200 WGRZ 2 NY 52
1204 WPSX 3 PA 66
Tr 1205 WSTM 3 NY 134
1206 CKVR 3 ON 171
Gw 1207 WTVB 4 NY 49
Tr 1211 WTVH 5 NY 134
1213 CBLT 5 ON 126
1214 CIII 6 ON 138
1217 WJAC 6 PA 122
Gw 1219 WKRW 7 NY 48
Tr 1220 WROC 8 NY 94
1230 WJCP 8 PA 122
1234 CFTO 9 ON 126
1237 WHEC 10 NY 94
1238 CFPL 10 ON 156
1239 WTAJ 10 PA 106
1242 WJXT 9 NY 134
1244 CHCH 11 ON 108
1246 WPKI 11 PA 136
1250 CHEX 12 ON 160
1300 WBNG 12 NY 140
1300 WICU 12 PA 81

25 Tr 1303 WDKR 13 NY 94
1304 CKCO 13 ON 142
1308 CJOH6 6 ON 154
1314 WQED 13 PA 136
Gw 1330 WNEB 17 NY 71
Tr 1334 CICO 19 ON 126
1335 WXXI 21 NY 94
1340 WKBN 21 OH 134
Gw 1343 W22?? NY 2
1350 W25AK NY 2
(W20AB) Olean
Tr 1351 CBLFT 25 ON 126
CCI only
1352 CIII27 27 ON 160
Gw 1353 WJTV 29 NY 71
Tr 1355 WJHF 31 NY 94
1357 CIII 41 ON 126
1356 CFMT 47 ON 126
Gw 1359 WNYB 49 NY 56
1402 W59AH NY 23
(WNEB-17) Allentown
1405 W62AS NY 23
(WNEB-17) Friendship

25 Gw 1407 W72AQ NY 17
(WNEB-17) Great Valley
1408 W76AM NY 2

June 1991

1 Tr 1323 WJET 24 PA 81
1324 WCNV 24 NY 134
1326 CICO2628 ON 138
1328 CIII31 31 ON 140
1330 WJMG 34 NY 140
1330 WENY 36 NY 90
1331 WICZ 40 NY 140
1333 WSKG 46 NY 140
Gw 1336 W60AJ NY 17
(WNEB-17) Cuba
1338 W65AJ NY 31
(WNEB-17) Angelica
Tr 1339 WSYT 68 NY 133
Gw 1341 W81AI NY 24
(WNEB-17) Franklinville
Tr 1344 WETM 18 NY 90
1345 CICO18 18 ON 160

I have a Winegard PA-4975 UHF preamp on order from Rich Wertmen. Can't wait to try it on the MT. All stations new to Rock City, NY log.

Dave Nieman 12284 Nice Road Akron NY 14001-9529

Equipment: Same as last time. New are underlined>.

May 1991

29 Tr 0030 W65AN NY 122
(W5KG-46) Berkshire
0100 W76AF NY 191
(W5KG-46) Jefferson
0101 WGBS 57 PA 264
0102 WLYH 15 PA 215
0131 WPHL 17 PA 265
0137 WTVL 51 PA 226
0001 WFLM 28 MI 250
0014 WJRT 12 MI 279
0017 WSMH 66 MI 279

30 Tr 0030 W3XON 20 MI 245
June 1991
2 Tr 0833 WRSX 31 MI 282
0900 WGTJ 30 OH 266
0900 WBGU 27 OH 303
3 Tr 0800 WBNX 55 OH 197
0827 WANE 15 IN 365
0830 WFWA 39 IN
0831 WPKJG 33 IN
0831 WPTA 21 IN

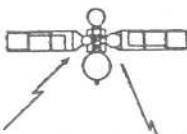
3 Tr 0900 WFFT 55 IN 365
7 Tr 0800 WMP1 18 NY 211
0806 CFJP 35 PQ 300
7 Es 1917 KDLH 3 MN 714
16 Es 1900 WEDU 3 FL 1064
18 Es 0031 CJAP 3 NF 1226
0106 CBNA113 NF 1156
20 Es 1200 WEDU 3 FL 1064
1218 WPTV 5 FL 1134
1316 WCPX 6 FL 1001
23 Es 1230 WLBT 3 MS 983
1444 KATC 3 LA 1173

Not much of a skip season so far.

Space filler/Equipment review: Any body looking for a second VCR or just a VCR that doesn't have a black out mute feature? The Emerson model VCR 765 model is one of DXer friendly models that for a pretty cheap price around \$200.00 or so. It is not that bad for DXing. The UHF does seem prone to overload but adj on UHF is OK, adj on VHF is OK too. For the price and OK results in my opinion I would recommend as a simple basic VCR and yes, NO MUTING or blackout feature to hamper DX- Dude from Joisey



SATELLITE NEWS



George W. Jensen
4604 Annapolis Avenue
Baltimore, MD 21206-4220

Greetings again.. This time out, I will begin the yearly summary of services. Unlike past years, I will start with audio Subcarriers. I will wait until next issue before doing the video services owing to the imminent switch of services on the Satcoms.

Galaxy 1

- 2 - WSM Nashville, Tennessee
- 3 - WFMT FM - Chicago, Illinois/Easy Listening Background Music
- 8 - Headline News Audio Portion
- 11 - CBN Radio Network/Religious Program Feeds
- 15 - WQXR - New York
- Satcom 1 (formerly 3)
- 15 - Cable Radio Network/Japanese Radio
- Westar 5
- 13 - Catholic Telecommunications Radio Network
- 18 - Sheridan Broadcasting Net.News (WAMO - Pittsburgh)
- 20 - KNOW Minneapolis Public Broadcasting/WCCO Minneapolis
- Spacenet 1
- 17 - KISN Provo-Salt Lake City/In-Store Music and Promo
- Morelos 2
- 14 - XEX Mexico City
- Morelos 1
- 2 - XEFR Radio felicidad-Radio Acir feeds
- Anik 2
- 17 - Radio France International/Chamber Music/French Canadian News and Information Service
- 20 - CILQ - Q107 Toronto/ EasyListening Background Music/Syndicated Feeds
- 23 - reading Service
- Anik C1 (I can only deal with the east spot beams)
- 10 - French radio Services
- 20 - CJRT - Toronto
- 24 - background Music
- ANIK 1
- 2 - CKKS (Kiss 97) Vancouver, BC/CKEY Toronto/BBC World Service/CKWX Vancouver
- 6 - CHIN Toronto/Background Music
- 8 - CHFI - Toronto
- 14 - CKAC Montreal/CITE Montreal/CJMS Montreal
- 15 - CBC french Radio Feeds
- 18 - CKRW Whitehorse, Yukon/CFTK Terrace, BC/CISN Edmonton/CFWE Edmonton/CIRK Edmonton/CKER Edmonton Alberta
- 20 - CBC Classical French net./CBM Montreal/CBC English net/CBC Radio Canada French net.
- 21 - CKNM Yellowknife NWT.
- 22 - CFMI New Westminster BC/CBU Vancouver/CBC net West
- 23 - VOCM St. Johns, NFLD./CHON FM Whitehorse, Yukon
- 24 - House of Commons French and English/CBC Stereo/CBC Classical English and French
- Westar 4
- 6 - Radio Revelation WCRP Guayama, Puerto Rica

Galaxy 3

- 7 - Southern Gospel Music/Hispanic Music station/Religious Background Music/Yesterday USA
- 11 - 7 Super Radio Music Channels - Country Favorites. Classical Hits, Soft Sounds, Lite and Lively Rock, Classical Collections, New Age of Jazz, Soft Rock.
- 24 - Classical Music and Foreign Programming/BBC World Service/program Guide
- Spacenet 2
- 2 - Talking Book Network/Nebraska Public Radio
- 3 - WROL Boston - ethnic programs
- 5 - Sun Radio Net./CBNRadio Net.
- 9 - Rock Music Station/Transtar Country Music
- 15 - KVEG Las Vegas, Nev./KLON FM Long Beach, Calif./2 religious program feed channels/Ambassador Inspirational Radio
- Satcom 4
- 3 - RAI Italy from New York
- 5 - WRVL Lynchburg, Virginia
- 8 - KILA Las Vegas, Nev./Tidewater Radio Network/Barker Music Channel
- 15 - Yesterday USA Superstation/Lighthouse Inspiration
- Satcom 2
- 11 - WCIE Lakeland, Florida
- 18 - USA Radio Network
- Spacenet 2
- 9 - WCMQ Hialiah (Miami) and Key Largo (FM)
- 21 - Voice of America feeds
- 23 - Radio France International
- Intelsat 53 West
- 24 - Radio Nacional de Buenos Aires, Argentina
- PanAmSat
- 22 - Radio Programas del Peru (730 khz) Lima, Peru
- Intelsat 27.5 West
- 15 - VOA feeds to Latin America
- 16 - BBC Radio
- Gorizont 14 West
- Mayal Radio
- Gorizont 11 West
- Moscow Radio I (local network)

I hope this is not too confusing. the / separates services. The number refers to the transponder. For non-IDers I simply put the type of program. If you have any additions or deletions please feel free to let me know. I do not get the C1 West beam services here or a large number of the highly beamed Morelos services. In the fall (after the yearly reviews) I want to open the column to the opinions of the members. There has been some suggestions to do this and I feel the time is right and that it is a good idea. So get ready to beam down those comments to this address. Any topic is open to print. See you in 30 '73's

George

USING YOUR SCANNER FOR DETECTION OF E-SKIP:

AN EARLY WARNING SYSTEM

by Bill Niema, JADLY

Often E-Skip shows up with hardly any warning at all, even though you may leave your TV set for the lowest channel as most dxers do, often one wonders if there really is a better way than burning out your TV screen in the detection of E-Skip. Yes there is a better way.

Imagine just BEFORE E-Skip 'hits TV', you already have been 'tracking the opening' and know roughly where it is coming from! Sounds farfetched? Hardly.

Is there really a way to know even if you aren't near a TV set and haven't the foggiest idea ES is 'on its way'? Yes.....GET A SCANNER!

Though I am far from being a "expert" on scanner monitoring, I'd like to show you a better way to detect E-Skip. In the past I have detected E-Skip by scanning Low Band (30-50+ Mhz). I know some might feel this really is not that accurate and F2 might be involved. No, not really. Though F2 can reach 'low band', E-Skip also occurs here and almost always will show up just before TV (and maybe FM too).

First of course you'll need a scanner. Even the cheapest \$99.00 models will do the trick, mostly ALL cheap programmable cover 30-50 mhz. Of course if you can get a scanner that also covers 50-88+, you'll be in even better shape! First though you'll need frequencies to 'punch in'. Some W7FDDA members are also into scanning and you might want to write to those members 1000 miles or so from your area, ask them for their local low band police or emergency frequencies. Also go to your local Radio Shack and purchase those "Police Call" books that they sell for \$8.00 or so. Except, buy a edition that covers states or provinces 1000 miles from your area. Enter these low band stations into your scanner. Make sure though, that your local police are not using these same frequencies. Set your scanner to scan, sit back and relax, when ES is there, you will know about it!

Now, if you have a deluxe model scanner that also covers low band TV and FM (like the PRO-2006 by Radio Shack). You can of course set the scanner to scan the 'blank' TV channels. If you have no local channel 6 for 75 miles or so, you can also 'punch in' 87.75 Mhz along with the low band 30-50 and 50-88 Mhz frequencies that you think might 'roll in with the skip', this way you will know if it reaches channel 6 (87.75 Mhz) you will hear it and that is your 'cue' to check FM.

Some or mostly all scanners 'cover' 50-54 Mhz band along with low band 30-50 Mhz. As most of you know, this is the six meter Ham Band and it is just a shade below channel 2. Here is an excellent place to scan, surely if you hear the Ham operators with a prefix W4 and your* in the W1 prefix area, you know for sure skip 'is in' and ch 2 on TV is likely to have skip too!

Believe it or not, the best antenna to use is the plain old 'whip' antenna that comes with your scanner. The idea here is that if you use an outdoor antenna or a beam, you'll have some problems perhaps with signals from ground wave stations 25-50 miles away, and your scanner will be constantly stopping on these semi weak stations often. Don't worry much about an outdoor antenna for Low Band E-Skip, I've heard Jefferson County MO. and Dade & Pasco County FL. on just a simple whip antenna.

What frequencies do I use? I'll just give you a couple, do to the fact that what works in my area may or may not work in yours.

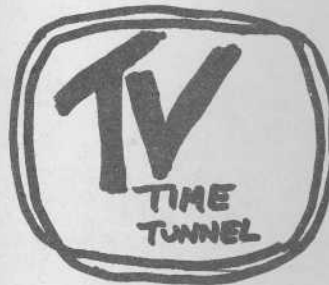
42.120 Jefferson Co. MO. (A famous one! Often heard Coast to Coast!)

45.520 IL. 42.600 (Several Southern States) 39.400, 33.475, 31.000 (Various)

33.940 Pasco Co. FL. (Plus other Southern States can be heard on this one.)

52.525 (Ed Phelps of KY. says that this is the National 6 meter calling frequency).

Well, good luck and GOODXING! -Dude from Joisey. *JK*



NOT ALL BROADCAST ENGINEERS ARE WELL VERSED IN THE AREA OF 'SKIP' RECEPTION. EVEN FEWER STATION OPERATORS AND UPPER LEVEL MANAGEMENT PEOPLE UNDERSTAND [OR ARE EVEN AWARE OF] THE PHENOMENA WHICH CAUSE IT. THE FOLLOWING IS AN ABRIDGED REPRINT OF "TECH NOTES" FOR ENGINEERS AND MANAGERS. IT WAS WRITTEN BY W7FDDA MEMBER DOUG SMITH WHEN HE WAS AT WISC-TV IN MADISON, WI. HE'S NOW WITH THE ENGINEERING DEPARTMENT OF WSMV IN NASHVILLE. EDITED FOR VUD USE BY TOM BRYANT; 849 TODD FREIS DRIVE; NASHVILLE, TENNESSEE 37221.

SIGNAL "SKIPS"

First, a look at Sporadic-E (Es). This is reflection of signals from densely ionized patches in the ionosphere. It occurs most often near the equinoxes and usually is best around local noon, although it may last well into the evening. The frequency and intensity of sporadic-E is NOT appreciably affected by the 11-year sunspot cycle. Es is observed approximately 35 days a year on tv channel 2. Generally, an Es opening will bring in stations from 600 to 1000 miles. Occasionally, two Es openings will "link together", bringing in signals 1200-2000 miles distant, as well as stations at the 600-1000 mile midpoint. Es is characterized by extremely rapid and deep fading and vastly different paths on nearby frequencies. It's not unusual to see video from one tv station while hearing audio from another. Because of the "skip zone", you'll see/hear stations in a circle about 500 miles in diameter, and centered about 800 miles from your location.

The other common propagation mode is tropospheric propagation (Tr), or "tropo". Tr is caused by refraction in a lower layer of the atmosphere. Tr occurs most frequently in the summer and fall; and near sunset and sunrise (especially sunrise). Like Es, Tr can occur at any point in the sunspot cycle. Tropo is present to some degree about 90 days a year. Tropo openings bring in signals from virtually every station within a given radius of the receiver. There is no "skip zone"; and tropo can extend out to as far as 1000 miles; although it usually covers only 100-300 miles. Tropo is usually observed first at higher frequencies; and is frequently observed throughout ALL the VHF/UHF broadcast assignments. Generally, signals have little short-term fading. Also, signals may be seen/heard from several areas at once. "Tropo ducting" is a result of the formation of a 'natural waveguide' between two points 500 to 1000 miles apart, resulting in extremely strong signals from a specific area; and [usually] nowhere else. Tropo ducts are most likely to form on the UHF channels. Other characteristics of tropo ducting are similar to those of regular tropo.

F-2 propagation occurs in the layer of the ionosphere that normally reflects shortwave radio signals. F-2, at the peak of a sunspot cycle, may become capable of reflecting signals on frequencies as high as 80 MHz. This could result in reception of tv channels 2-6 from any point on earth! Please note that outside Japan and the Americas; different tv standards are used, thus many F-2 tv signals will not 'look up'.

Auroral propagation occurs when signals are deflected by the aurora borealis ('Northern Lights'). This mode causes severe phase distortion. TV and FM receivers are likely to consider auroral interference as an increase in the noise level. This phenomenon seldom produces an identifiable signal, and is rarely observed south of the 40th parallel.

Finally, there's meteor scatter. This is the reflection of signals from the ionized trails left by meteors entering the earth's atmosphere. TV signals can be extremely strong, but generally last only a few seconds. Meteor scatter can occur at any time of the year or day, but is generally best at sunrise and at particular times of year when "meteor showers" occur.