

Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

JUNE 1994



AREA COVERAGE MAP FOR
 RADIO STATION KN0W-FM
 AGAPE BROADCASTING FOUNDATION, INC.
 Ch. 207-C1 89.3 MHz
 55kW D.A. Major Lobe Maximum
 259 Meters (850 Ft.) HAAT
 Dallas, Texas



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



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Hubert H. Humphrey



11/94
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ANARC UPDATE

IT IS TIME TO MOVE ON

For the past several years, I've been the club's ANARC Representative. I've enjoyed being the ANARC Rep, but now I feel that I can no longer be as effective as I like to be. My life and interests have greatly changed since I took on the job as ANARC Rep. And now I feel there are others in the club who are more capable of handling this position. So, after a great deal of thought, I've informed the club's management that I will no longer be the ANARC rep after July 1st. Anyone interested in the position, please contact WTFDA ASAP. I do plan to continue to write an occasional column.

Other ANARC news, the SWL Winterfest was a success. Over 200 hobbyists attended this annual event held over the weekend of March 12th. A club forum was held and 11 clubs were represented, including WTFDA. I would like to thank Dan Cashin, who represented WTFDA at the Winterfest.

The 1994 ANARC Awards were given out at the Winterfest. This year's winners are:
North American Shortwave DXer of the Year - John H. Bryant

North American Specialty Band DXer of the Year - Daryl Symington

International DXer of the Year - Harry Weatherly

Congratulations to the winners, all well deserve this honor.

Interested in a subscription to the ANARC Newsletter, called UPDATE? The price for a one year subscription is US\$ 7.00 in North America, and US\$ 10.00 Overseas. For subscriptions or information, contact:

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Some upcoming events of interest:

Radlocom '94, August 31 to September 3 at the Holiday Inn in Irvine CA. For details, write to: Stewart MacKenzie, 16182 Balford Lane, Huntington Beach, CA 92649-2272.

National Radio Club Convention, September 2nd to the 5th, at the Ramada Hotel in Nashua, NH. For more information, write to Bruce Conti, 46 Ridgeland Drive, Nashua, NH 03062-1174.

SPRACHMAN'S CORNER: DBS IS HERE!!!

By the time you read this, the first DBS (Direct Broadcasting Satellite) transmissions to the home will be in operation. The first DBS satellite, called DBS-1, was launched in December, and tested in March and April. Two separate services will be using DBS-1, "Direct-TV" and "USSB." Each will use the new Digital Compression technology. Receiving equipment will include an 18 inch dish and a "receiver/transcoder/descrambler." This equipment should be available nationwide by this fall.

There are still many unanswered questions. First, both services will be providing different programming. Assuming that the receiving equipment can receive both Direct-TV or USSB, can a consumer choose which programmers to subscribe to on an a-la-carte basis? USSB has announced at least two "free" channels, but you must receive authorization first. I would want to know if I could get authorization without subscribing to any other USSB services. If I subscribe to no other service on either Direct-TV or USSB, can I still be authorized for the free channels?

And there's more! A second satellite, DBS-2, will be launched later in the year. It will be used solely by Direct-TV and will allow Direct-TV to provide up to 150 channels (or more correctly, 150 "data streams"). What if, in a couple of years Direct-TV wants to have a greater channel capacity and they decide to do what the Europeans do which is to launch another satellite in the same orbital position with a different set of frequencies. Can the receiving equipment be up-graded? Several other companies have announced DBS projects at different orbital locations. One company has announced that their service will compliment the programs provided by Direct-TV. I would want to know if these new DBS services will be compatible with the Direct-TV equipment, and can an actuator arm be added to the dish and a positioner added to the receiver.

Direct-TV and USSB expect to have 3 to 5 million subscribers within the next three years. And if they don't, they will not be profitable. A great concern is that if these services ever do go out of business, I would have \$700 worth of useless equipment. Cable can go where ever the wire can be installed. The DBS dish needs a clear line of sight to the satellite and it must be directly aimed to provide not only a good picture, but any picture! There is no room for error when positioning a dish to receive signals in the Ku band. DBS will not bring in the local television stations, so the consumer would still need an outside antenna or cable. The 4 networks (CBS, NBC, ABC, and FOX) will only be available to those consumers who do not have access to a network station via cable or over the air. Many people are upset with the price of cable, but DBS may not be much cheaper, and in some instances may cost more. You may have to subscribe to two separate packages on Direct-TV and USSB to get the same level of service now available from your local cable company. There will be several services on Direct-TV that will not be available from cable television or on the big dish. In 3 or 4 years, your local cable company may be providing several services not available now, such as interactive-TV and Movies on Demand.

Soon the hype will begin about DBS. There will be comparisons between the "Big Dish" and the "Small Dish." The big dish will remain the better value. With the big dish there are nearly 1000 available channels (and an endless number once Digital Compression becomes available). There are at least 100 full time channels in the clear and more coming. There are approximately 250 "pay" channels, most available on a la carte basis. And the backhauls, teleconferences, and "weird stuff" won't be available on DBS.

If you are considering getting DBS, ask a lot of questions first. The last thing you want is to spend \$700 or more and not get what you want or expect from your equipment. You may want to wait a couple of years to see how the industry and technology develops. The rumor is, today's \$700 dish and receiver may cost only \$200 to \$300 in two or three years.

Any comments, please write to me. My address: Steven Sprachman, 15 Berry Lane, Hicksville, NY 11801.

Til next time,

73's

Steven P. Sprachman

FMA NEWS

JUNE 1994

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Many of the items listed in this column are taken from the publication:
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KEY:

&: satellite programming
AF: new freq. allocation **accepted for filing** for a new FM license
CC: **call change/new calls assigned**
CL: **city of license change granted**
CO: new xmr **co-ordinates**
CX: a CP has expired, and is cancelled
C1,C2, etc: change in class status
DA: **directional antenna**
DE: calls **deleted**, license returned to FCC
FC: station **format change**

GA: **granted amendment** to table of FM allocations
GE: station was **granted extension** of a CP
GX: **granted replacement** of expired CP
MC: **multiple-city** legal ID
NC: **no change** yet, on a reported pending grant/change.
NO: station is **not on** the air
NS: a **new station** granted a license
NW: **new station** signs on the air
PA: **proposed amendment** to change table of allocations
PC: a **power change** (increase)

PC-: a **power change** (decrease)
PG-: **power change granted** (increase)
PG-: **power change granted** (decrease)
QC: **frequency change** for this station
QG: **frequency change granted**
RA: station **returns to** the air
RE: station **requests extension** of a CP
RX: station **requests re-instatement** of an expired CP
SG: **siglog change** or update
SI: station is **silent**
XC: station **granted a transmitter** (xmr) site change

ALABAMA

Birmingham: WMXQ 94.5 CC (ex WAPI), FC to hot AC "Mix"
Citronelle: WH-DT 102.1 SI, pending upgrade
Demopolis: WZNU 106.3 no QC to 106.5 yet, but GE (2nd)
Dothan: WESP 102.5 PG-> to 10 kW, 461 ft, XC
Hartselle: WTAK 106.1 CX (for 4,800 w. at 754 feet)
Sheffield: *NS 89.9 AF (Amer. Family Association)
Thomasville: WJDB 95.5 QC (from 95.3); 9.6 kW, 525', XC
Tuscaloosa: WFFX 95.7 XC to 33-5-38/87-15-15, a move of about 17 miles, just north of east (80 degree bearing)

ALASKA:

Glenallen: *NS 90.5 AF
Soldotna: KKIS 96.5 CC (ex KAZO), hot-AC-&

ARIZONA:

Chino: *NS 107.3 AF
Kingman: K296EI 107.1 NS: 10w; KLUK 107.9 Laughlin, NV
Paradise Vly: KXLL 105.9 NO-RE, PG-> to 2,700 w., 492 ft.
Tucson: KKHG 104.1 NW, classic rock, CC (ex KUDO)
Yuma: KTTI 95.1GX (for 100 kW, 1256ft) (2nd grant)

ARKANSAS:

Booneville: KZEU 104.7 FC to jazz "Breeze" for Ft.Smith
El Dorado: KLBQ 98.7 QC from 99.3, 14,000 watts
Heber Spgs: KAWW 96.7 GE (OG to 100.7, 50 kw)
Min. Pine: *NS 101.9 6 kW, 328 ft.
N.Little Rock: KZQA 101.1 NO-GE (2nd)
Pine Bluff: KUAP 99.7 NO-RE (3rd)
Texarkana: KUKB 106.3 NO-GE (4th)
Waldo: KAHV 99.1 CC (NS)
Waldron: KRWA 103.1 FC, adds Jones country-&

CALIFORNIA:

Bakersfield: KUZZ 107.9 PC-> to 6 kW, 1364 feet.
Bakersfield: KOQQ 99.3 SI, PC-> to 1200 w, 1345 feet (B1) CC (ex KCHT)
Big Bear L: KTOT 101.7 PC-> to 265 w., 1414 ft.
Blythe: KEFU 88.5 PC-> to 100 w. and -59 feet.
Chico: KMXI 95.1 CC (ex KPAY), "Mix"
Chico: *NS 88.1 AF
China Lake: KSSI 102.7 NO-GX
Copperopolis: KRVI 105.5CC (ex KREL)
Earlmar: KNKD 93.5 NO-GE
Fresno: KJVL 99.3 PC-> to 5030 w. at 349 ft., XC
Green Acres: KAXL 88.3 NW, contemp. Christian (Bakersfield)
Hemet/Riverside: KXRS 105.7 FC to Spanish, CC (ex KHYE)
Hollister: KMXZ 93.5 PC to 110w., 2260 feet.
Kings Bch: KBCH 107.7 NO-RE (3rd)
Lenwood: KIQQ 104.9 NO-CX-

California:

Los Angeles: KUSC 91.5 PC-> to 15.5 kW, 2883 ft, XC, DA
Madera: *NS 91.1 AF (Hmong-Asian Pub. Bldgst)
Mariposa: KROW 103.9 CC (ex KHOV)
Marysville: KRFD 99.9 FC to Spanish, // KRCC AM 1110
Merced: KXDE 107.7 NO-GX (2nd)
CO: 37-25-34/120-26-23, a move about 4 miles NNE
Merced: KYAJ 94.1 NO-RE(2nd)
Morgan Hill: KSQQ 96.1 PC-> to 4,700 w., 161 ft., XC
Sacramento: KXHV 89.7 NW
San Ardo: *NS 91.7 AF
San Diego: KFMB 100.7 FC coming in June, not known yet
San Francisco: KSOL 98.9 CC (ex KSRY), FC to urban
San Francisco: KYCY 93.3 CC (ex KYA-FM), "Young Country"
San Mateo: KYLD 107.7 CC (ex KSOL) (San Fran) "Wild"
Santa Cruz: KYLZ 99.1 CC (ex KSRI) "Wild"
Seaside: KMBY 107.1 SI (was modern)
Thousand Oaks: KCLU 88.3 NO-RE (3rd)
Thousand Palms: KLOB 94.7 NW, Spanish
Ukiah: *NS 88.3 AF
Victorville: K295AE 106.9 NS: 5w(v); KIXW 107.3 Lenwood
Willows: KQSC 106.5 CC (ex KIQS)
Yermo: KYHT 105.3 NO-GE
Yreka: *NS 91.3450 w., 2327 ft.
Yuba City: KKCL 103.9 PC to 510 w, 2024 ft
CO: 39-12-20/121-49-10, a move about 11 mi. WNW

COLORADO:

Colo. Spgs: KTLF 90.5 PC-> to 914w.(h), 3657 w. (v)
Denver: KMJI 100.3 FC to 70s oldies, still "Magic"
Denver: KBPI 105.9 FC to hit AC "Alice at 106", with new calls expected soon, see 106.7 below.
Denver: KBPI 106.7 CC (ex KAZY), rock
Grand Jct: *NS 88.1 16 watts, 1,246 feet
Grand Jct: K214CA 90.7 10w(v); KEAR 106.9 San Francisco
Steamboat Spgs: K203BQ 88.5 NS: 21w; KLUNC 91.5 Greeley
Strasburg: KAGM 102.3 NO-GE

CONNECTICUT:

Bridgeport: WPKN 89.5 PC-> 10 kW, 554 ft and DA
E.Lyme: WXZR 98.7 NW, Z-Rock (&), for New London

DELAWARE:

Bethany Bch: WKH-I 95.9 PG-> to 25 kW, 298 ft, XC, (B1)
Fenwick Is: WLBW 92.1 NW, oldies& // WLVW 105.5 MD

KCLX 102.9
CLASSIC ROCK

FLORIDA:

Big Pine Key: WWUS104.7 FC to adult standards (&)
 DeFuniak Sps: WMXZ103.1 CC (ex WLGH) "Mix"
 Ft. Myers Villas: WRCC 106.3 CC (ex WSUV), FC to rock
 Ft. Pierce: WJFP 91.1 NO-RE
 Gainesville: WYKS 105.5 QG to 105.3, 6000 watts
 Gifford: WKQS 94.7 CC (NS)
 Graceville: WYDA 102.1 NO-GE
 Hialeah: WCMQ 92.3 FC to Spanish hits, "Mega 92"
 Homestead: NS 88.1 AF
 Inverness: WWUA 90.1 NO-RE (2nd)
 Jupiter: NS 105.5 3 kW @ 302 feet
 Key Largo: WZMQ 103.9 FC to Spanish talk // WZMQ-AM
 Micancy: WFRX 97.7 CC (ex WGGG)
 Monticello: WAHX 91.9 CC (NS)
 Pennsauk: WFHQ 88.3 NO-RX
 Pensacola: WWRO100.7 CC (ex WJLO) "Arrow 100.7"
 Perry: WNFK 105.5 FC to news/talk (PRM)
 Pt. St. Joe: WMTO 93.5 CX (for 14.5 kw, 669ft, C2), RX
 Quincy: WTPS 100.7 PA: from 100.7-A to 100.7-C3
 Sanibel: WFRWX 98.5 NO-RE(9th)
 Santa Rosa Bch: WWAV 102.1 QC from 102.3: 18 kW, 384 ft.
 Tallahassee: WHBX 96.1 PC> to 37,000 watts, 479 feet
 Tallahassee: WFSQ 91.5 PC> to 100 kW, 279 ft., DA
 Tarpon Sps: WYFE 88.9 PG-> to 75 kW, 466 ft. and XC
 Trenton: WDJY 101.7 CC (ex WCWB), PC> to 6 kW, 328'

GEORGIA:

Atlanta: WPCH 94.9 SG "Peach 94-9"
 Augusta: WGUS 102.3 FC to country, "Froggy 102.3"
 Blackshear: WKJB 105.1 SG "Cub Country 105"
 Bostwick: WMOQ 92.3 NO-GE
 Bowdon: WYAI 105.5 CC (NS)
 Broxton: WULS 103.7 SG "103.7 FM WLS"
 Cedartown: WJCK 88.3 NW, religion
 Douglas: W236AB 95.1 noted on, but 20 mi east of town!
 (translates WVFJ 93.3 Manchester)
 Evans: WYFZ 92.3 see 100.9 Waynesboro=
 Ft. Valley: WBB 97.9 CC (ex WVVY), FC to urban=
 Gray: WMIQ 96.5 NW, album rock=
 Harlem: WCHZ 95.1 PC> to 5,700 w., 538 ft.
 Jesup: W1FO 105.5 FC to country "Big Dog Country
 105.5" and mentions 1370 AM also=
 Martinez: WKBG 107.7 NW, country "Big Country 107.7"
 Milledgeville: WLRR 100.7 SG "Lite 100 FM"
 Mt. Vernon: WAHZ 101.7 CC (NS)
 Nashville: WJYF 95.3 SG "Lite 95.3 FM", and was mono=
 Ocala: WLPF 98.5 NW, gospel, \$, "Good News
 Network", // WGPB 91.5 Vidalia, and WLPT 88.3 Jesup, but
 they do run separate IDs=
 Rome: WQTU 102.3 PC> to 1100 watts, 745 ft., no DA
 St. Simons I: WMOG 92.7 FC to soft AC&
 Springfield: WQQT 103.9 FC to gospel? Such programming
 was heard on a Saturday afternoon=
 Statesboro: WJUF 102.9 NO-CX-FX (8th)
 Tennille: WJFL 101.9 NW, oldies-&, "J-101.9"
 Thomasville: W222AB92.3 noted on the air, and operating
 in stereo (translates WFSQ 91.5 Tallahassee)=
 Tifton: WPLH 103.1 QC from 102.9
 Trion: WATG 95.7 NO-GE
 Waycross: WWUF 97.7 FC to classic rock, "Classic Rock
 97.7"
 Waynesboro: W7?? 100.9 RA with urban, // 92.3 WYFZ Evans
 (new calls?), "Augusta's Hot FM-The Bear"
 Waynesboro: WYFA 107.1 format is religion (BBN)=

GUAM:

Barrigada: NS 88.1 AF

HAWAII:

Maalea: K224CG92.7 NS: 76w(h); KPOA 93.5 Lahaina
 Waialeale: KAOI 95.1 PC> to 100 kW, 1230 feet

IDAHO:

Idaho Falls: KFTZ 103.3 PC> to 100 kW, 803 ft., DA
 Payette: KQXR 100.3 PC> to 98,430 watts, 708 feet
 Pocatello: KOSZ1 105.5 NS: 90w booster of Idaho Falls
 Sandpoint: KSPT 97.9 FC to talk
 Sandpoint: KJDE 102.5 FC to country-&

ILLINOIS:

Alton: KNJZ 100.3 CC (ex KATZ), "Smooth" jazz
 Augusta: WAHI 101.1 NO-RE (3rd)
 Beardstown: WRMS 94.3 FC to country-&
 Belthalto: WRUN 95.5 hours of operation: 0600-2400 CLT
 New address: 500 NW Plaza Ste 310, St. Ann, MO 63074=
 Dwight: NS 98.9 3 kw @ 328 feet
 Galva: NS 102.5 AF
 Monee: WGNR 88.9 NO-RE
 Morrison: WZZT 95.1 FC to country & "CD country",
 also GA from 95.1 A to 102.7 A
 Oregon: NS 106.1 3 kW, 328 feet
 Peoria: WMXP 93.3 CC (ex WKZW), FC to
 adult contemporary, "Mix 93.3"
 Peoria: W234AE94.7 NS, 38w: WQEZ 94.3 Chillicothe, IL
 Peru: WLFR 100.9 FC to adult rock-Unistar&
 Pontiac: WJEZ 103.1 QG to 93.7, 6 kw, 459 ft. (BUT, they
 were already on 93.7 when I was in Illinois last August-go)
 Ramsey: WJLY 93.3 PC> to 5.5 kW, 328 feet
 Rockford: WFEN 88.3 PC> to 1,600 watts, 581 feet
 Springfield: NS 89.7 500 w., 328 feet
 Spring Vly: WAIV 103.3 NW, news/talk (PRN)
 Sterling: NS 91.5 AF (Northern State U.)
 Warsaw: NS 89.5 AF (Western Illinois Univ)

INDIANA:

Auburn: WGTB 102.3 FC, now hot AC (Fl. Wayne)
 Bicknell: WUZR 105.7 PC to 1,800 w. at 426 ft.
 Chesterton: NS 89.5 AF
 Churubusco: WKQM 96.3 NW, easy/standards (Fl. Wayne)
 Ft. Wayne: WBNI 89.1 PC> to 34 kW, 604 ft., DA
 Marion: NS 90.9 AF (Ball State)
 Michigan City: W203AJ88.5 NS; 55w: WAFR 88.3 Tupelo, MS
 Mt. Vernon: WBLZ 106.7 FC to soft AC&
 Portland: NS 91.7 AF (Ball State Univ.)
 Scottsburg: WMPI 105.3 QC from 100.9 (2200 w., 512 ft)
 Seelyville: WTHC 95.9 CC (ex WAGD)
 Wabash: WKJZ 95.9 FC to country&
 Walton: NS 93.7 6 kw, 328' (Christian Friends Bctng)

IOWA:

Asbury: KIKR 103.3 NW
 Clinton: KCLA 97.7 GA from 97.7-A to 94.7-A
 Decorah: NS 104.7 4,500 watts, 211 feet.
 Dubuque: KGGY 102.3 FC to country
 Fairfield: KIKK 95.9 FC to oldies=
 Keokuk: KOKX 95.3 QG to 96.3, 90.4 kW, 981 ft, XC, C1
 Webster City: KQWC 95.7 FC to talk

KANSAS:

Copeland: KYBD 98.1 NW, hot ac (&)
 Emporia: KGZF 99.5 NO-CX-FX
 Herington: KDMM 96.3 NO-GE (3rd)
 Topeka: KWC 99.3 NW, news/talk
 Tribune: K204CD 88.7 NS: 204w: KJLL 99.1 Copeland
 Wamego: KHCA 95.3 PC> to 6,000 watts

KENTUCKY:

Bowling Grn: WMJM 96.7 PG> to 3,580 watts
 Bradenburg: WMMG 93.5 runs WHAS-11 6pm newscast=
 Campbellsville: WVLC 99.9 NO-GE, PG> to 9.7 kW, 518 ft., XC
 C3 status, also CL: Mannsville, Kentucky
 Columbia: WAIN 93.5 heard in mono=
 Edmonton: WAPC 99.1 CC (ex WKNK)
 Greenville: WWHK 105.5 RA w/ AC // WLLS-FM Hartford, KY
 Harlan: WTLK 105.1 PC> to 440 watts

Kentucky:

London: WYGE 92.5 NO-GE, QG to 92.3 (C2), 23 kW,
 lower height of 722 ft., and XC
 Maysville: WFTM 95.9 FC to soft AC&
 Midway: WAHY 107.9 CC (NS)
 Paducah: WGCN 89.3 CC (NS)
 Stamping Ground: WKY1 99.1 NO-RE (2nd)
 Vine Grove: WRZ1 101.5 NW, a/c, "Ritzzy 101.5"
 Wilmore: WYVI 96.3 NO-RE (2nd)

LOUISIANA:

Basile: KSIG 102.1 PC> to 25 kW, 328 feet FC to adult
 standards-&, CC (ex KBAZ)
 Baton Rouge: WJFM 88.5 CC (ex KAFI)
 Clayton: NS 107.9 AF
 Ferriday: KSTH 107.1 CC (ex KRFW), FC to country&
 and SG to "South"
 Kaplan: KMDL 97.3 PC> to 48kW at 535 ft.
 Lafayette: KRRQ 95.5 NO-RE (5th)
 L. Charles: KBIU 103.7 FC to CH-F/Classic rock
 Marmou: KAHK 101.1 CC (NS)
 Maurice: KFYZ 106.3 PG> to 2,600 watts
 Monroe: KLIP 105.3 FC, adds Unis Adult rock (&)
 Thibodaux: NS 90.5 AF

MAINE:

Kennebunkport: WBQW 104.7 PC> to 6 kW, 285 feet
 Madison: WHAA 97.5 NO-GE(4th)
 Pittsfield: WPBC 99.5 NO-GX(4th)

MARYLAND:

Massey: NS 88.7 AF
 Ocean City: WRXS 106.9 PG> to 6 kW, 303 ft., XC, NW to
 air, new rock "X-107"

MASSACHUSETTS:

Falmouth: WCBI 101.9 FC back to a/c-& "Lite 101.9"
 S. Yarmouth: WOON 103.9 CC (ex WATE)
 Webster: WXXW 98.9 NW, oldies nite and talk day=
 Worcester: WBPR 91.9 CC (ex WAYW)

MICHIGAN:

Cadillac: WKJF 92.9 FC, now relays WTCM 103.5
 Flint: NS 88.9 AF (Natl. Inspirational Network)
 Harrison: WKGM 92.1 FC, country // WKQC 98.1
 Houghton: WOLV 97.7 CC (ex WOLF) "Wolf"
 Hudson: WAHU 102.5 CC (NS)
 Iron Min: W244AW96.7 NS: 4 w: WPF 90.5 Sturgeon Bay
 Marlette: WBGV 92.5 NO-RE (2nd)
 Mio: WCLX 93.9 NW, a/c // WCLS 100.7 Oscoda=
 adds ABC - Moby talk to country
 Rogers City: WELG 99.9 PG> to 12.5 kW @ 554 ft.
 Traverse City: WLJN 89.9 PG> to 6,000 watts
 W. Branch: WBMI 105.5 PC> to 6,000 watts

MINNESOTA:

Browerville: KXDL 99.7 FC to hot AC-&
 Cambridge: WREV 105.3 FC: new rock // KREV 105.1 CC
 (ex WLOL), "Revolution"
 Cloquet: WKJK 96.5 PC> to 25 kW, 315 feet
 Duluth: KLXK 101.7 NW, oldies&
 Jackson: KRAQ 105.7 NW, oldies&
 Lakeview: KREV 105.1 CC (ex WTCX), FC to new rock
 Marshall: KBJJ 107.5 QC from 107.1, 9 kW, 213 feet.
 Marshall: KMVC 91.7 CX (QG for 93.1)
 Ortonville: KAHF 106.3 CC (NS)
 Osakis: KBHL 103.9 PC> to 6 kW, 328 ft, DA
 Pelican Rapids: KBOT 104.1 NO-GE
 Proctor: KUSZ 102.7 CC (NS)
 St. Louis: KJJO 104.1 FC to classic country
 Tracy: KARL 105.1 modify CP to PG> to 17,700 watts
 390 ft height, and C3 status.
 Worthington: KLFN 93.5 CC (NS)
 Worthington: NS 89.3 100 kW, 554', MIN Public Radio

MISSISSIPPI:

Biloxi: WMJY 93.7 CC (ex WQID), "Magic"
 Bude: NS 104.3 PA to add freq. here
 Clarksdale: WKDZ 96.5 CX (for 25 kW, 263 ft. C3)
 Cleveland: WCLD 103.9 PC> to 6 kW, 315 ft.
 Columbia: WFFF 96.7 FC to oldies, "Mix 96"
 Sumrall: WUSJ 97.3 CC (NS)
 Vicksburg: WVIN 98.7 FC to urban "98 Jams", calls?=
 Bolivar: KGBX 105.9 PC> to 38 kW, 558 ft. CL change
 to Nixa, Missouri.

MISSOURI:

Columbia: KCOU 88.1 CC (ex KEJU)
 Kennett: NS 104.3 6 kW @ 328 ft.
 Maryville: KNIM 97.1 QC from 99.3, now 21 kW, 354 ft.
 Ozark: KZPF 92.9 NO-RE (4th)
 Poplar Bluff: KZMA 103.5 NO-GE (3rd)
 Rushford: KWNO 99.3 PC> to 11 kW, C3
 St. Louis: KNJZ 100.3 see Alton, Illinois
 St. Louis: KHT 96.3 CC (ex KRJY)
 Springfield: KTXR 101.3 no FC to country, error last month
 Steeleville: KNSX 93.3 NO-RE for RA
 Washington: KSLQ 104.5 FC, more up tempo AC=
 Washington: KGNV 89.7 FC to lite Contemporary Chr.=

MONTANA:

Belgrade: KSCY 96.7 CC (ex KGYW), FC to soft-AC-&
 Laurel: KRSQ 101.7 CC (ex KTWV)

NEBRASKA:

Omaha: NS 88.9 AF
 Sargent: KNJP 92.1 NO-RX

NEVADA:

Laughlin: K292EU106.3 NS: 48w(h); KRCY 105.9 AZ
 Winnemucca: KWNA 92.7 PG> to 140 watts, C3 status

NEW HAMPSHIRE:

Manchester: WLMW 90.7 NO-RE
 Rochester: WWEM 96.7 FC to alternative rock
 Somersworth: WRGW 98.7 CC (ex WRZY)

NEW JERSEY:

Asbury Park: WYGG 88.1 RX (sth was CX in Feb. '94)
 Belvidere: WRNJ 107.1 PC> to 1200 w., 718 ft., XC
 Bridgeton: WNJB 89.3 NO-RE (2nd)
 Long Beach: NS 89.9 AF (Mercer Co. CC)
 Margate City: WTTT 96.1 PC> to 3 kW
 Rio Grande: W206AG 89.1 NS: 170w(v)-WWNJ 91.1 Dover Twp
 Wildwood C. WDOX 93.1 NW, adult standards

NEW MEXICO:

Central: KNUW 95.3 NO-GE(3rd)
 Clovis: KWUA 102.3 CX-DE
 Clovis: NS 101.5 AF
 Farmington: KRAZ 96.9 RA, Unistar adult rock (&)
 Grants: KAHP 103.7 CC (NS)
 Kirtland: KMYI 102.9 CX-DE
 Socorro: KLSC 92.9 NO-RE

NEW YORK:

Albany: WHFL 103.1 FC to easy& for overnights
 Briarcliff Mtn: WRGX 107.1 CC (ex WXP5)
 Canton: WQXZ 101.5 NO-GE
 Cape Vincent: WKGG 102.7 SI
 Chenango Bridge: NS 104.1 AF
 Clyde: WECQ 93.7 CC (ex WRCD)
 Depew: WBLK 93.7 SG, just calls, no more "Power 94"
 Endwell: W221AX92.1 is on (WKGB 92.5 Susquehanna)=
 Honeoye Fls: WRCD 107.3 CC (ex WFUD)
 Jamestown: WUBJ 88.1 PC> to 556 w., 305 ft., XC
 L. George: WCKM 98.5 CC (NS)
 Mountour Fls: WNGZ 104.9 FC to a/c (&)
 Norwich: NS 95.3 AF (WJIV Radio, Inc.)
 Oswego: W294??106.7 NS, translator of WAQX 95.7
 Manlius-Syracuse noted here (album rock)=

FM NEWS

New York
 Plattsburgh: WEXP 105.1 C3 status, PG-> to 15.5 kW, 417 ft.
 Potsdam: *NS 90.3 100 watts, -17 feet
 Southport: WOKN 99.5 SG "OK-100", o/w (Elmira)=
 Rensselaer: WQEK 103.9 GX (for 6 kW, 302 feet)
 Stillwater: WKJE 101.3 CC (ex WSSV)
 Syracuse: *NS 90.3 AF (State Univ. of NY)
 Utica: WVVC 100.7 CC (ex WEIF)
 Utica: WRCK 107.3 SG *Hot 107, still top 40=

NORTH CAROLINA:

Hatteras: WVAW 94.3 NO-CX-RX
 Hope Mills: WCCG 104.5 NO-CX-RX
 Leland: WAAV 94.1 CC (ex WAHG)
 Lumberton: WJSK 102.3 SG "Country 102"=
 Coracoer: WAHL 92.9 CC (NS)
 Charlotte: WLTT 103.7 CC (ex WQZD), QC from 93.5
 SG "Love 103.7", AC, serving Myrtle Beach, SC=
 Southern Pines: WAHP 102.5 CC (NS)
 Williamston: WCBZ 103.7 CC (ex WHITE)
 Wilmington: WUOY 104.5 MW, "Wilmington's Gold 104"=
 Winston-Salem: WXRJ 91.5 NO-GE, PG-> to 50 kW, 216 ft, C2,
 Winston-Salem: WBFJ 89.3 CC (NS)
 Wrightsville Bch: *NS 93.7 3 kW @ 328 feet.

NORTH DAKOTA:

Arthur: KCOV 96.7NW, easy listening (B)
 Bismarck: KSSS 97.5 CC (ex KBMK), NO-GE
 Dickinson: KPRD 99.1 NO-GE

OHIO:

Bryan: *NS 88.5 AF
 Byesville: WUFA 97.7 NO-GE, PG-> to 1.8 kW, 413, XC
 Centerville: WCWT 101.5 heard playing Grateful Dead, in
 mono, so they are still on the air=
 Englewood: WZJX 94.5 FC to oldies (Dayton market)
 Geneva: WKQY 104.9 QG to 104.7, 6 kW, 328 ft., XC
 Greenfield: WYNU 97.5 NW, a/c, MC: Wasington C.House=
 Johnstown: WRZR 103.1 FC to contemp. Christian (Columbs)
 Lebanon: WMMA 97.3 NW, oldies-&
 Marysville: WAKS 105.7 FC to classic hits "Arrow"
 Oxford: WYUB 88.5 PC-> to 24,500 watts, 482 ft DA
 Union City: WTGR 97.5 NO-GE (2nd)
 Yellow Spgs: WYSO 91.3 PG-> to 37 kW, DA, class B

OKLAHOMA:

Langston: KALL 90.7 RX(QG to 89.3, 151w., 200 ft.)

OREGON:

Ashland: K246AD 97.1 10w(h); KYJC 96.9 Grants Pass
 Coos Bay: *NS 93.5 AF
 Eugene: KODZ 99.1 CC (ex KPNW), "Oldies"
 Grants Pass: K217BZ 91.3 NS: 40 w- KSMF 89.1 Ashland
 Medford: K254AD 98.7 NS: 41 w- KLDK 98.3 Grants Pass
 Medford: KCIA 91.7 NO-RE (3rd)
 Milton-Freewater: KUKY 97.9 PC-> to 8 kW, 1112 feet
 Myrtle Pt: KAHY 94.1 CC (NS)

PACIFIC ISLANDS (U.S.)

Chalan Konoa: *NS 88.1 AF

PENNSYLVANIA:

Bradford: WBRR 100.1 FC to oldies (&)=
 Burnham: WYNN 96.7 NO-RE
 E.Stroudsburg: WESS 90.3 PC-> to 1 kW, -121 feet
 Erie: *NS 90.5 AF
 Hazleton: WZMT 97.9 PC-> to 25 kW, @ 672 ft, DA
 Olyphant: WKOV 95.7 FC to sports radio
 Pittston: WSKS 102.3 SG "Kiss 102.3", top 40=
 Pt.Matlida: WXXZ 107.9 NO-CX-RX
 Salladesburg: WFRY 95.5 SI
 Warminster: WRDV 89.3 FC to contemporary Christian
 Williamsport: WWAS 88.1 PG-> to 494 w., -331 feet

PUERTO RICO:

Lajas: WCFI 103.7NW, Spanish "Cofresi 103.7"

SOUTH CAROLINA:

Batesburg: WKWQ 93.1 //WKSO 103.9 Orangeburg "The
 Touch" (urban during week, gospel Saturday morning)=
 Belvedere: WAFJ 88.5 CC (ex WUOZ)
 Charleston: WSSX 95.1 SG "95 Mix"=
 Chester: WDKZ 99.3 was heard simulcasting AM 980
 WBEZK York, SC, "Classic Oldies WDKZ 980 AM"=
 Chesterfield: WWSZ 107.3 NO-GE
 Dillon: WEGX 92.9 CC (ex WZNS), country "Eagle 93"=
 Florence: W283AB 104.5 WJMX 103.3 Cheraw, is ON air=
 Grey Court: WSSL 100.5 CX (for 63 kW, 1191 ft., XC, C1)
 Johnston: WKSX 92.7 PG-> to 3,300 w. @ 436 ft.
 Lancaster: WRHM 107.1 CC "Oldies KSK"=
 Loris: WVCQ 94.9 country // WYAK 103.1 Surfside Bch
 SG "Y103 and Y 94.9"=
 McClellanville: WWSW 98.9 CC (ex WZJQ)
 Myrtle Beach: translators on: 89.7 (WMHK 91.3 Columbia), and
 95.9 (WYFH 90.7 N.Charleston), but the 94.3 xtr for
 WCCA 106.3 Shalotte, NC is not on the air=
 N.Myrtle Beach: WNNB 105.9 QC from 105.5, "B 105.9"=
 S.Congaree: WFMV 95.3 SG "Gospel 95.3"=
 Scurriton: WSQR 102.9 SG "Sunny 102.9", also, the 95.3
 translator in Florence is on the air=
 St.Matthews: WOKI 93.9 SG "Quickie 93.9"=
 St.Stephen: WTUA 106.1 QC from 105.9, gospel=

SOUTH DAKOTA:

Rapid City: KGGG 100.3 SG "Oldies 100.3", FC-oldies=
 Sioux Falls: K288EP 105.5 NS: 229 w; KIKN 100.5 Salem
 Sisseton: KSWNS 89.3 NO-GE (11th)

TENNESSEE:

Coalton: WSGM 104.7 CO: 36-16-44, 85-44-02.4,
 Colonial Hts: WLJQ 105.9 NO-RE
 Cookeville: W211AN90.1 NS: 10w(h); WAYM 88.7 Columbia
 Fayetteville: W265AU100.9 NS: 380 w; WLXX 97.5 Lawrenceburg
 Henderson: WRFK 95.9 PC-> to 6 kW
 Hendersonville: W233AF 94.5 NS: 27w; WAYM 88.7 Columbia
 Kingsport: WKOS 104.9 PC-> to 2,740 watts, 492 ft., DA
 Lafayette: WLCT 102.1 CC (ex WAHE)
 Loudon: WNOX 99.1 PC-> to 6 kW
 Milan: W205AR 88.9 NS: 55w - WAFFR 88.3 Tupelo
 Minor Hill: WEUP 92.1 PG-> to 2000 watts, 479 ft.
 Monterey: WKOD 106.9 FC to hot AC. PC-> to 23 kW, 735
 Nashville: WJXA 92.9 CC (ex WZEZ), "J 92.9", still a/c
 Smyrna: WRLG 94.1 FC, is modern rock, // WRLT 100.1
 Franklin during AM drive, spills at around noon=
 Walden: W278AB 103.5 NS: 240w; WKQJ 97.3 S.Pittsburg
 Woodbury: WLMM 104.9 NO-GE (3rd)

TEXAS:

Abilene: KFXJ 92.5 NO-GE (3rd)
 Abilene: KEYJ 107.9 SG "Rock 108", AOR
 Amarillo: *NS 90.7 AF (Amer. Family Assn)
 Amarillo: KJRT 88.3 NW
 Anson: KQHR 98.1 SG "Star 98.1", hot-AC
 Austin: K216CQ 91.1 NS: 1w(h); KNON 89.3 Dallas
 Austin: KASE 100.7 PC-> to 59 kW, 853 feet.
 Benavides: KAHK 107.7 CC (NS)
 Big Sandy: *NS 90.7 10,000 w(v), 394 feet
 Big Spring: KBST 95.9 QC from 95.3 "95.9 K-Best 95"
 Bloomington: KLLUB 106.9 PG-> to 25 kW, 269 ft., class C3
 Brownwood: KPSM 99.3 C2 status, PG-> to 50 kW, 472 ft.
 Clifton: KWOW103.3 FC to oldies& "Fun"
 College Stn: KAMU 90.9 PC-> to 32 kW, 341 ft. and DA
 College Stn: KEOS 89.7 CC (NS)
 Colorado Ci: KAUM 106.3 SG "Real Country", o/w-&
 Comfort: KRNH 95.1 NW, CC (ex KATG)
 Denison: KTCY 104.9 RX (for 50 kW, 492 ft)
 Electra: KWTA 94.9 NO-RE (5th)

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FM NEWS

Texas:
 Gainesville: KPXG 107.9 NO-RE
 Gruver: K216CR 91.1 NS: 161w(h); KJLL 99.1 KS
 Howe: KHYI 95.3 NW, "Real Country" (&)
 Hutto: KIKY 92.1 SI, will be country&
 Idahout: KAHT 105.7 CC (NS)
 Ingleside: KZHX 101.3 CC (NS)
 Jacksboro: *NS 93.7 6 kW, 210 ft.
 Jasper: KNKE 107.3 NO-GE (11th)
 Junction: KAHO 93.5 CC (NS)
 Lamesa: KMMX 104.7 SG "Mix 104.7", a/c& (for Lubbock)
 Lamesa: KJOL 100.3 SG "K-Lite 100.3", soft AC& (this
 Lamesa station programs for Midland-Odessa)
 Los Ybanez: KYMI 107.9 SG "Y-107.9", a/c-&
 Midland: KCHX 106.7 SG "Power 106, Your Power Sta."
 Monahans: KCDQ 102.1 SG "Texas 102", country/classic rock
 New Boston: *NS 95.1 AF
 Plainview: KATX 97.3 SG "Star 97" (ac-&
 Refugio: KZTX 106.3 CX (for 106.1, C3, 24,450 w.)
 San Angelo: KQKJ 101.9 reported SI
 San Angelo: KGKL 97.5 SG "97.5 KGKL Country West
 Texas Giant"
 San Angelo: KDCD 92.9 SG "92.9 CD Country", country-&
 San Angelo: *NS 90.1 AF
 Seadrift: *NS 105.1 AF
 Stator: KJAK 92.7 SG "92.7 K-Jack", religious
 Sweetwater: KXOX 96.7 SG "The Box", 50s-60s oldies
 Winnsboro: KWNS 104.9 FC to southern gospel

UTAH:
 Coalville: KCUA 92.5 NW, variety // KPCW 91.9 Park City
 Enterprise: K293AF 106.5 NS: 10w(v); KZEZ 93.5 St. George
 Escalante: K300AG 107.9 NS: 10w(v)- KSSD 92.5 Cedar City
 Richfield: KKWZ 93.7 FC to country-&
 Tooele: K272DP 102.3 NS: 10w(v)- KUFR 91.7 S.L.C.

VERMONT:
 Bolton: *NS 91.7 AF (Christian Ministries)
 Danville: WSHX 95.7 NO-GE
 Marlboro: *NS 101.5 2.6 kW, 344 feet.
 Sunderland: WJAN 95.1 SG "Cat Country", simulcasting a
 94.5, I would guess this could be WZKX 94.5 Rutland?
 Vergennes: WWTG 96.7 NO-RE



Thanks to the following people for contributing this month: Matt Sittel, Doug Smith, Dave Nieman, Neil Griffin, John Johnson, Bill Nollman, George Greene (for assistance with calculating distance of tower moves), Peter George, Eric Buenema, Deborah Lee Oliver, Bill Hale, and of course M Street Journal. Both the yearly M Street Radio Directory, and the weekly newsletter, from where many of the information in FM NEWS is taken from (although the actual M St. Newsletter contains quite a bit of additional information that is not listed here), are potentially very interesting to the FM DXer. They can be contacted at their NYC address in the header of this column, if you are interested. If you are interested in the FM Atlas, contact Bruce Elving at 241 Anderson Road, Esko, Minnesota 55733-9143. Bruce also offers some other products as well, FMedial, and some other things, write for details.

••Deborah Lee Oliver sends an article from the *Pensacola News Journal* concerning the recent format change at 100.7 there. WJLQ-FM changed from adult urban contemporary music to the "rock 'n' roll oldies" format that is becoming more and more popular. The new slogan is "Arrow 100.7", which stands for "All Rock 'n' Roll Oldies" (Since this article, the station has changed call letters to WWRO-gc). This format plays oldies mainly from the '70s, but with a few songs from the '60s and early '80s mixed in, targeting the 25 to 54 year old demographic. This format change took place despite WJLQ's urban format being ranked third in the Pensacola market ratings.

(WWRO 100.7 Pensacola....) "We felt we were successful in the ratings and had enjoyed financial success, but as we went on, other urban stations started tailoring what they did to match us, so we ended up splitting the pie," said WJLQ program and operations director Greg Gordon. "We did research that showed that there was a niche for music from the '70s that primarily appealed to some of the older rock listeners." In the same market, WWSF 98.1 (Andalusia, AL) recently switched to a similar classic rock format. Gordon notes that their format is a bit different, because they also play rock hits from the mid-80s. 100.7 is owned by WKRG-TV, Inc., which also owns WKRG-TV 5 and FM 99.9 in Mobile, and WCOA-AM 1370, in Pensacola. Gordon is currently teamed with Lisa Cagle for the station's morning drive team.

••John Johnson sends in an item from *Magic City Monthly*, *Yellowstone County's Positive Newspaper* (Billings, Mont.), on the raging war between country stations in that market: KIDX (98.5 "The Dawg"), and KCTR (102.9 "The Cat"). During the past five years, KCTR has really dominated the Billings market, getting a truly amazing 41 share for the morning show! Well The Dawg has responded with a new morning team in February, Scott Innes and "Big D". They claim: "We're at a 0.0 and no where to go but up!" KCTR seems unphased by their new competition: "Our ratings are high", admits Paul Mushaben, (one of The Cat's "Flakes", the morning show) "We've continuously had a 30 share. Most markets in the country that have between 10 and 20 stations try for an 8. Maybe it's the music...but I doubt it. We like to think it's us." Mike Gorman, new general manager at "FM 98 The Dawg" questions the value of ratings in a market as small as Billings, because of Arbitron's small sample sizes, ratings only twice a year, and survey methodology. It will be interesting to see how this battle in Billings turns out!



••Doug Smith writes with some items from Omaha: KEZO-FM gets a new general manager, as their ratings dropped to 6.8, seventh place, down from third place in Fall 1993....Former WOW-FM afternoon personality Jay Daniels landed a job at KDRK (93.7) Spokane, Wash...KIWR 89.7 Council Bluffs, Ia. gets a new slogan, changing from "The Classical Station", to "Heartland Public Radio"...WOW is moving its "Radio Ranch" studios, to a new location on N 72nd St., between Military and Crown Pt. Aves. not far from the stations transmitting facilities.

••Bill Hale, of Boise, Idaho, writes with some updates that he has pulled of various Internet resources, such as Prodigy's Biznet....EZ Communications INC. has purchased the assets of KZOK-FM Seattle (102.5) for \$19.75 million. The company also operates KMPS AM/FM (1300/94.1), also in the Seattle market. The deal has not been approved yet by the FCC.....Partech Holdings Corp. has reached an agreement to purchase WMOG-FM (92.7 St. Simons Island, Ga.) and WMOG-AM (1490 Brunswick), pending FCC approval. The agreement also provides for programming for the stations before the closing of the deal. Partech has also reached agreements in principle for 5 additional stations, 4-FM and 1-AM, in the southeastern U.S., and wants to purchase an additional FM station. No other details were given. The company is also in the process of constructing a brand new FM radio station, to serve the Florida Keys: WKKB-FM (It will be on 105.5, with Colony beach being the city of license).....In Indianapolis, Emmis Broadcasting Corp. (EMMS) has signed an agreement worth \$26 million, to acquire the assets of WIBC-AM (1070), and WKLR-FM (93.1) Indianapolis, from Horizon Broadcasting Corp., pending FCC approval....Some big news out of the Big Apple....New York Mayor Rudolph Giuliani wants to sell the city's WNYC-FM (93.9), as part of a plan to close that city's large budget deficit. The station holds a commercial license, but nevertheless has been operated as a public station since its beginnings, way back in 1943. It is said that the station could be sold for up to \$45 million. Price may not be as high as hoped, because any new owner would have to handle start-up costs, a problem in such a crowded radio market. The FMs programming, news, and classical music, would be moved to a new non-commercial frequency that was not specified (I have also heard rumors that the programming could move to WNYC-AM 820-gc).....EZ Communications has agreed to buy the assets of WUSL-FM (98.9 Philadelphia, Pa.) and WTPX-FM (106.7 Ft. Lauderdale, Fla.), from Tak Communications, for \$50 million. This deal comes with conditions, however, because Tak is operating under bankruptcy conditions, and the deal also needs approval by the FCC. (Tak also owns WGRZ ch2, here in Buffalo, I believe-gc).



SATELLITE NEWS

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

Another month and another column. A few new tidbits. Fox Net premiers on June 1 on Galaxy 7 Tr 4 - East and Tr 5 - West. USA Latin America is on Morelos 2 XPDR 16. On Galaxy 1 XPDR 5 - Classic Arts Showcase. RAI is now scheduled for Galaxy 4 XPDR 23. There's a lot of new stuff on Satcom F2. XPDR 3 - days - KWHY - Ch 22 - Los Angeles with The Business Channel XPDR 7 - American Information Channel (Commercials) XPDR 19 - NHK - Tokyo main feed

New Services Planned - The Independent Film Channel owned by American Movie Classics will premier in the Fall - Sat not known yet.

Telehit - an Hispanic Music Channel from Mexico currently on M2 XPDR 23 is planning to be marketed in the US

Home and Garden Television Network premier and sat unknown

Others to follow - sat as yet unknown The Popcorn Channel Previews of current films

The Automotive Television Network

TACH - The Auto Channel

American Political Channel

Hobby Craft Network

Parenting Satellite Television Network

Classic Sports Network

America's Talking

There - I did find a few thanks to Broadcasting Magazine and several other sources.

In OTHERNESS -

The old Telstar 301 is currently filling for the ailing Anik with Galaxy 6 - finally replacing Galaxy 2 at 74 West as this reaches you.

Spacenet 2 at 69 West has been renamed Satcom SN2. That's all for this time around. I'll try to complete the satellite video services next month.

73's
Shugs

Satellite Times

A Division of Grove Enterprises, Inc.

Grove Enterprises, publisher of *Monitoring Times*, announces a new magazine -- *Satellite Times*. The new bi-monthly magazine will cover every phase of satellite communications, including commercial, military, broadcasting, amateur, scientific, government, personal communications and even private satellite systems. Each issue will have the latest news from NASA, satellite launch announcements, technical information, product announcements and equipment reviews.

The premier issue is being readied now for an August mailing. A U.S. charter subscription is \$16.95. A charter subscription (6 issues) in Europe is only \$23.95 (U.S. funds) surface rate, or \$26 air mail.

Additional information and subscriptions are available from Satellite Times, P.O. Box 98, Brasstown NC 28902, USA, or call toll-free in the U.S. 1-800-438-8155, International calls at 01-704-837-9200.

TV News

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Abbreviations used in this column:
ERP= Effective Radiated Power in kW
HAAT= Height Above Avg. Terrain
nc= no change
TL= Tower Location
CP= Construction Permit
Pr= Province (of Canada)
*= Non-commercial
CRTC= Canadian Radio-Television
Commission
DBS= Direct Broadcast Sat.
SS:= Spanish language
TAB= Three Angels Broadcasting
Network (religious)

NEW STATION APPLICATION DISMISSED

Ch St City; applicant
20 CO Denver; Roberts Broadcasting

APPLICATIONS TO CHANGE CONSTRUCTION PERMITS

St	Ch	ERP	HAAT	Call	City
OR	26	110.2	428	KMVU	Medford
PR	18	nc	275	WSJU	San Juan

(New TL: 2km NNE of Aguas Buenas, at the WRWR-30 site)

WI 21 1127 453 WHA-TV Madison
(specifies a "new" TL but best I can tell, there's no change from their "old new TL" west of town)

CHANGES GRANTED TO EXISTING STATIONS

St	Ch	ERP	HAAT	Call	City
TX	24	2874	nc	KPEJ	Odessa

(was 4470kW)

CALL LETTER CHANGES

City	Was	Now
Phoenix, AZ	KTSP(10)	KSAZ-TV
Knoxville, TN	WKCH(43)	WTNZ
Danville, VA	WPAJ(24)	WDRG-TV

STATION BACK ON THE AIR

Meridian, MS: WMDN-24-:
724kW/177m
TL 32°18'43"N, 88°41'33"W
in the tower farm with WGB-30 and WTOK-11, just south of town
Seen by Jeff Kruszka on April 27 testing, and with CBS programming on the 28th. Formerly WTZH-24.

OTHER STUFF

First, note the new address & phone number above. The new location is 30km north of the old one, and is already proving much better for DX- for one thing, I've already (May 17) logged four Es signals on TV- my first TV skip in three years! The electronic mail address has not changed. (I have, however, written it in Internet format for the benefit of potential electronic contributors on systems other than Compuserve.) If you've already submitted something to 14 Brookside Court, don't worry: the post office will forward it.

Also, I've acquired a fax modem. Which means I can now accept faxed contributions, provided you call first so I can turn the auto-answer on. (I've only got one phone line, which has to be shared between the fax and voice calls)

The call change for WKCH-43 above is not 100% certain, it came from Matt Sittel's sister who wasn't sure she had the new calls right.

Finally, there have been some questions about whether the TV database I had at last year's WTFDA convention will be available. I do plan to have something ready for general distribution by the end of the summer. It'll list USA and Canadian (and some border-area Mexican) TV stations, including LPTVs, by channel number & state, providing networks, power, tower height, and transmitter location. Also planned is a call-letter cross-reference. I don't really know yet how much it's going to cost to print but I'd wild-guess the price to be on the order of \$25-30.

A letter to the editor of *Broadcasting and Cable* from the general manager of WJKA-26 (now WSFX-TV) notes the process of changing affiliations isn't quite as fast as recent reports may make it seem. The chronology:

Jan. 12:	CBS announces at affiliates meeting they've lost NFC rights.
Jan. 13:	WJKA GM meets with Fox executives.
Feb. 15:	GM informs owners he's investigating a network change.
Feb. 22:	GM informs CBS of potential change.
Feb. 22- April 6:	GM contacts Nielsen, their sales rep, and six existing Fox affiliates to ask for opinions.
April 4:	WSFX-89.1 Nanticoke, PA gives permission for call-letter change.

(Other Stuff, contd.)

April 6: WJKA GM meets with CBS, requests 500% increase in compensation.
April 12: GM signs Fox affiliation contract.
April 13: CBS sends note revoking affiliation.

For the record, WJKA's GM indicated overlapping coverage (presumably from WBTW-13) was the primary reason for the network swap.

The new Paramount Network has announced some programming plans. Programming will begin sometime after January 1995, and will start on Mondays and Tuesdays between 8 and 10pm Eastern.

Fox has added two new affiliates: KJWA Grand Junction, CO (I have no listing for any unbuilt CPs in Grand Junction..) and (currently-dark) KVCT-19 Victoria, TX. A third, unannounced, primary affiliation was signed in late April.

The "Big 3" TV networks have stopped, at least temporarily, the viewership move to cable. In the 1993/1994 Nielsen ratings season, network TV's share of viewing rose from 60% to 61%. Viewing of independent stations also rose 1%, from 9% to 10%; PBS viewing was flat at 2.3%. Fox lost, going from 12% to 11%, though one can expect that trend to be reversed next year with the football contract. (note that Nielsen's definition of an "independent" includes all "superstations" except WTBS) Advertising sales & revenue are also up at over-the-air stations.

The FCC has told the U.S. Court of Appeals it will attempt to rule by May 23 on whether Rainbow Broadcasting, licensee of WREB-65 Orlando, violated the "ex-parte" regulations. (these regulations prohibit private meetings between Commission officials and applicants in disputed cases) If the charges, brought by the owners of WKCF-18 there, are upheld, the Commission will likely rescind their extension of WREB's construction permit, preventing it from going on the air as planned.

WYVN-60 is for sale. The ad in the May 9 issue of *Broadcasting & Cable* indicates the station is currently off the air.

FORUM

Dave Nieman, Akron NY:

Dave forwards an item from the May 5 *Buffalo News* regarding a potential network swap in that market. The report indicates WIVB-4 officials are negotiating for a NBC affiliation; the station

has been CBS for over 40 years. As the market's third VHF station, WKBW-7, is owned by ABC, a WIVB-4 change would almost certainly end up with WGRZ-2 going CBS.

While CBS is still the #1 network, a WIVB switch to NBC would bring the station the Buffalo Bills games (recently lost by CBS), as well as NBA and baseball programming not available on CBS. Also, the Today Show does much better than CBS's offering in Buffalo.

(interestingly.. the photograph of the station published in the paper is of WBN AM/FM/TV, which I believe was owned by the paper at the time- the FM station has been WMJQ, and the TV WIVB, for at least 10 years-)

Jeff Kruszka, Baton Rouge LA:

(I mistakenly credited Jeff's reception of new KMPX-29 to John Combs in the May VUD, sorry!)

Jeff visited the Victoria, Texas area in early May & noted KVCT-19, K53CE, and the MuchMusic LPTV on 57 all off. More in LPTV Watch.

Keith Smith, St. Ann MO:

Another item from Ernie Wesolowski (I think) via Keith, from Omaha, notes the NTV network (KHGI-13, KWNB-6, KSNB-4) plans to expand into Lincoln. K22CX, which has been authorized for years but never built, is finally in the works. The article indicates many Lincolnians currently watch KETV-7 from Omaha, but KETV management doesn't seem concerned about competition from the new translator. KCAN-8 Albion (which has a pending application to move to Lincoln) says its plans to move haven't changed either.

NTV management also says they're interested in carrying the Fox NFL games. I'm not sure how this will work with KTVG-17 in the same market planning a Fox affiliation- but the same article indicates NTV is working on an LMA with KTVG, which might allow this.

On a similar subject, the *Columbia Missourian* notes that both KRCG-13 and KMIZ-17 there are in negotiation to carry the Fox games. The market's fourth commercial station, KNLJ-25, is a religious outlet.

Keith has been looking at some TV Guides & notes that both Scottsbluff, Nebraska stations (KDUH-4 and KSTF-10) carry "Rush Limbaugh" and "Cheers"- and indeed, both carry "Cheers" at the same time! He also wonders whether their primaries (both stations are satellites) KOTA-3 Rapid City and KGNW-5 Cheyenne are aware of the anomaly. I suspect they are & really don't care, with

(Forum, Keith Smith, contd.)

Scottsbluff being a relatively small market even by comparison to Rapid City & Cheyenne.

Another thing he noted was religious programs on KBDI-12: "Is this legal for a PBS/ETV?" Probably, if no one complains.. No, my understanding (and Keith's) is that stations which receive funding from the government are not allowed to air religious programs; this would be considered government support of an establishment of religion, which is unconstitutional.

But to my knowledge, KBDI does not receive federal funding. It's a "viewer-sponsored" station, similar to the Pacific FM stations. (KPFA, KPFK, KPFT, WBAL, etc.) As such, it's free to air any kind of religious programming it chooses to. I understand KBYU-11 Provo, Utah (which is owned by the Church of Latter-Day Saints) also airs religious programs, for the same reason.

Interestingly, I have heard religious programs on radio stations (WOI-640 Ames, Iowa and WVCP-88.5 Gallatin, Tenn.) which I believe receive government funding. I suspect they get away with it because no one's yet complained.

Randy Miltier, Ashland OR:

Randy sent a large stack of information from Oregon. First, regarding "Dark Stations", he notes KAEP-23 Arcata/Eureka, CA and KMVU-26 Medford, OR are both on; KAEP as a satellite of KRCR-7 (ABC). KMVU was a satellite of K25AS ("KLSR"), the Fox affiliate in Eugene, but on May 3 Randy noted them relaying KOB1-5.

The Ashland, OR Daily Tidings TV listings include a "3 ANG"-42 and a "KTBN"-57. The "3 ANG" is actually Three Angels Broadcasting, though Randy says they ID as 3 ANG. I don't have a listing on this station. "KTBN"-57 would be K57EK Medford; while all these TBNs are at least partially satellites of KTBN-40 Santa Ana, I have yet to see a KTBN ID anywhere outside southern California.

From the San Jose area, Randy notes a "KBI-TV"-31 with an all-news format; reportedly their transmitter is on Monument Peak, above Fremont. (KICU-36 and KSTS-48 are also at this site) "They actually do a pretty good job for a LPTV station...better than some UHF's I've seen!" Sounds like my new local, W43AG Hopkinsville, Ky., which also does an excellent job with a news format. I'm having some difficulty figuring out what this station is though- K31BI is licensed to Kingman, Arizona. Could this actually be K30BI, which is licensed to Palo Alto?

An item in the May 1 Portland Oregonian notes that the paper will now carry listings for "WatchTV". This network consists of a transmitter on channel 19 (K19CT) at Camas, Wash.; on channel 56 (K56EI) on Mt. Scott in Portland; and on channel 66 (I've no listing) at Newberg. The three transmitters provide coverage from Salem, Ore. to Longview, Wash.. Programming includes National Empowerment TV, Seattle Mariner baseball, and local programs. WatchTV president Greg Herman says more LPTVs are planned, for Eugene, Newport, and Bend.

Finally, Randy sent the May 7-13 Oregon State Edition of the TV Guide, which confirms the existence of relatively new stations KEVU-34 (which is a non-Fox independent, in a market where the Fox affiliate is a LPTV!), KMTZ-23, KFTS-22, KDKF-31, KMTX-46, and KEPB-28.

John Combs, Orlando FL:

Well, it happened yet again... WTTA-38 Tampa, while airing a rerun of "Gunsmoke", managed to cut in 9 seconds of video of group sex. An unidentified employee resigned the next day; station management believes the employee was watching the sex film in a control room & inadvertently threw a switch putting the program on the air. Personally, I find it hard to believe TV station employees still dare to watch this stuff at work, after the number of incidents of this type reported.. though that might not have prevented the other incident John saw on WEVU-26 shortly after their signon; a hard-core pornographic movie had been shipped in a canister labeled for a Lloyd Bridges film.. (even then, wouldn't you think someone would at least spot-check a movie before putting it out for air?!)

Also, John reports seeing WRBW-65 testing in early May with ID 3/4 bars & program audio! He said their signal was very noisy, even with his antenna (and preamp) aimed directly at the tower. Apparently the tests weren't using anywhere near their authorized 5000kW power. The station is already listed in the Orlando TV Guide (though to my knowledge it still isn't running regular programming) with standard reruns. An item in "Other Stuff" above indicates WRBW's legal problems continue.

Fred McCormack, St. Paul MN:

Referring to Bill Draeb's report on WKGZ-32 returning to the air from its original tower, Fred notes a March 29, 1994 permit shows new coordinates. The old tower was at 44°21'32"N, 87°58'58"W, with the new one at

(Forum, Fred McCormack, contd.)

44°21'30"N and 87°58'48"W. Fred speculates there may have been a double typo on the FCC's or Factbook's part, though I note that the second set of coordinates are the same as those of WGBA-26's tower. It had been earlier reported that WKGZ planned to go on WGBA's tower; now I'm not sure where they're going!

Fred also noted Joel Rosenberg's logging of a channel 63 translator of WNYB-49 (TBN) and asks "Do you know if he was referring to W63BM, Rochester?" (no, I don't know) "If so, I believe there are now two WNYB-49 translators there." Interesting, yes, there's already a TBN (W59BV) in Rochester- and W63BM is on the same tower as W59BV. I can't find any other 63s in western NY State which could be translating WNYB, unless one which had been translating something else changed.

Bill Hale, Boise ID:

Bill forwarded a number of wire-service items. Starting in Canada, the sale of several New Brunswick Broadcasting Co. stations has been approved by the CRTC. CHSJ-4 (which presumably includes rebroadcasters in Bathurst (CHCR-4), Bon Accord (CHSJ-TV-1, ch. 6), Moncton (CHMT-7), and Newcastle (CHCN-6) was bought by the CBC.

Also sold were CIHF-8 Halifax, Nova Scotia and CIHF-TV-2 (ch. 12) St. John. While not mentioned, I'd assume this sale included the other Maritime Independent TV stations, ch. 11 in Fredericton; 27 in Moncton; 9 in Bridgewater, NS; 18 in Truro, NS; and 20 in Wolfville, NS. These stations were sold to Izzy Asper's CanWest, also owners of Global in Ontario, and a number of stations across Western Canada. The move brings CanWest/Global affiliates in all provinces except Quebec, Prince Edward Island, and Newfoundland.

Another item notes Fox now claims 97% of TV households will receive the Fox football games, either via secondary affiliates, regular affiliates, or cable. 42 new stations have signed at least secondary affiliations since the football rights were won.

LPTV WATCH

Call St City: programming
K19CT WA Camas; "Watch TV" NET/local
K31DG TX Killeen; TBN
K42?? OR Ashland; TAB
K43DV TX Victoria; TBN
K51BG TX Victoria; Telemundo
K53CZ TX Victoria; OFF
K55CP TX Victoria; local
K56EI OR Portland; "Watch TV"
K57EK OR Ashland; TBN
K66?? OR Newberg; "Watch TV"

This month from Randy Miltier and Jeff Kruszka. K53CZ had been Telemundo, I presume it moved to channel 51.

DARK STATIONS

Does anyone know if any stations on this list are in fact operating? Or if any U.S. stations between channels 34 and 50 and not on this list are off? Thanks!

KOCB-34	Oklahoma City, OK
WRUA-34	Fajardo, PR
WNLA-35	Lewiston, ME
WDKM-35	Vicksburg, MS
WDWL-36	Bayamon, PR
WSPH-38	Murray, KY
WJWN-38	San Sebastian, PR
WXAE-40	Toledo, OH
KCVF-40	Portland, OR
WMTJ-40	Fajardo, PR
WLFB-40	Bluefield, WV
KVUT-42	Little Rock, AR
WJUE-43	Battle Creek, MI
WVBT-43	Virginia Beach, VA
KRPA-44	Rancho Palos Verdes, CA
KGLB-44	Oklmulgee, OK
WVVO-44	Aguadilla, PR
WFCT-44	Danville, VA
WLCE-45	Leesburg, FL
KWLB-45	Shreveport, LA
KVBM-45	Minneapolis, MN
WMHX-45	Schenectady, NY
KHCV-45	Seattle, WA
KXGR-46	Green Valley, AZ
WHRC-46	Norwell, MA
WIDP-46	Guayama, PR
KTAQ-47	Greenville, TX
KTVC-48	Cedar Rapids, IA
WYDN-48	Worcester, MA
WYDC-48	Corning, NY
WIEC-48	Ponce, PR
KNXT-49	Visalia, CA
WRXY-49	Tice, FL
WDKA-49	Paducah, KY
KBQE-50	Albuquerque, NM
WQHA-50	Aguada, PR
WFBI-50	Memphis, TN

I suspect most of these are unbuilt CPs, though some are known to have operated.

DX ETC.

I've actually had some! Since moving last week, I've logged four TV skip signals and about a half-dozen on FM. Plus plenty of tropes. This place is going to be fun...

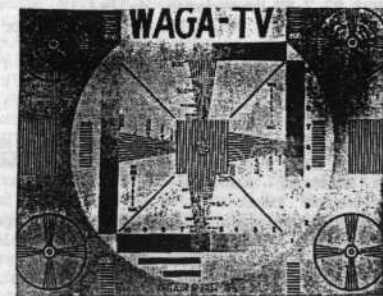
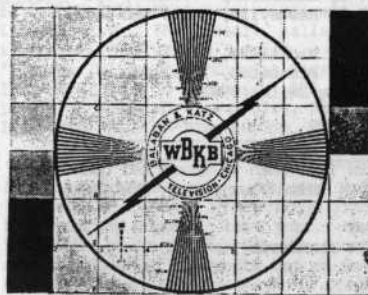
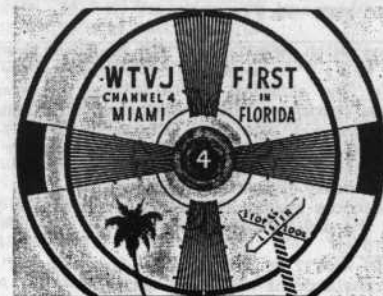
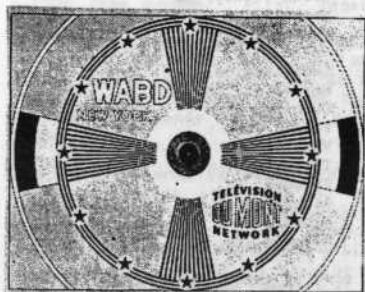
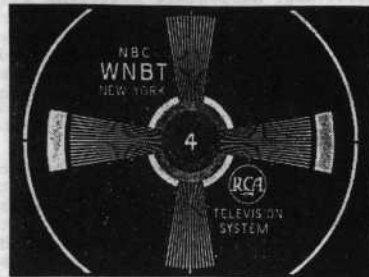
73 Doug





WRITTEN FOR THE MFOA AND "VHF/UHF DIGEST"
 BY TOM BRYANT, 849 TODD PREIS DRIVE, NASH-
 VILLE, TENNESSEE, 37221 (615) 646-2000

HERE ARE FOURTEEN 14k NUGGETS FROM THE ERA
 HISTORIANS REFER TO AS "THE GOLDEN AGE OF
 TELEVISION". A TEST PATTERN OF THE
 'BIG APPLE' IS FEATURED BELOW. WOR-TV (9)
 IS THE ONLY PRE-UHF NYC STATION NOT REPRE-
 SENTED. ON THE NEXT PAGE IS A GROUP I'LL
 CALL 'THE NON-CONFORMISTS'. ALTHOUGH SOME
 OF THE EXAMPLES ARE ADAPTATIONS OF STANDARD
 PATTERNS, A FEW ARE ONE-OF-A-KIND ODDITIES.



SOUTHERN FM DX

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

JUNE 1994

DEADLINE: 14th

SOUTHERN FM DX is for reporters from: AL, AR, AZ, CA, CO, DC, DE, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT & WV. Report today!

SPRINGTIME '94 NOT GETTING BY WITHOUT A LITTLE TR & ES

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

Equip.: Sears AM-FM-TV band radio

4/30 Es

1253 KLAK 97.5 OK Durant, "Midway Mall, Sherman" "K-lake FM 97.5"
1255 KQUS 97.5 AR Hot Springs, k, "...your home for real country US 97"
ID at 1300 "...Arkansas' power station.."
1355 KBEZ 92.9 OK Tulsa

4/30 Es

1400 KTHK 94.1 OK Okmulgee, r, ID, "Rock in the year of 94.1..." "...classic rock 94.1"
1404 KVOO 98.5 OK Tulsa, "When the weather is bad, the coverage is best on..." "KVOO FM 98"

Doug Smith (W9WI), 1385 Old Clarksville Pike, Pleasant View, TN 37146-8098

Well, I've moved out of intermod alley... (Congratulations to you Doug, good dx going. DB) The attached DX is nothing enormously exciting, except that it didn't involve any huge openings, just regular morning enhancements. No skip yet, but it's just a matter of time— I have seen OCI on local WKRN-2. All the below are new, as I'm 31 miles from the old location. Equipment: Technics ST-G50, clip-lead dipole at 3'. "Real" antenna to follow sometime in June.

-all newly logged

* denotes stations adjacent to Nashville locals. These channels were completely unDXable at the old location.

5/10 tr

0800 W201?? 88.1 TN Clarksville, "Way FM" translator of WAYM-88.7 with gr\$ 18
WJAB 90.9 AL Huntsville, j\$ 114
WVUB 91.1 IN Vincennes, bn\$, local PSAs 157
WMSK* 95.3 KY Morganfield, calls 99
WHRZ* 97.7 KY Providence, calls 80
W271AB 102.1 TN Nashville, op\$ translator of WQZQ 102.5 22
WEGR 102.7 TN Memphis, local traffic 175
WHRK 97.1 TN Memphis, rs\$ 175
WITZ 104.7 IN Jasper, calls, local info 135

5/10 tr

KMIS 106.5 MO New Madrid, calls 145
KGMO 100.7 MO Cape Girardeau, "Oldies 100.7"
WBLZ 106.7 IN Mt. Vernon, calls & rm\$ 116
WVHR*100.9 TN Huntingdon, calls 83
WGBF 103.1 KY Henderson, "103GB", rps 100
WKCM 105.7 KY Hawesville, calls and local ads 107
WCKY 95.9 KY Wickliffe, op\$ 111
WRAY* 98.1 IN Princeton, local ads 138
Regards, Doug Smith (W9WI)

Al Germond, 503 Old 63 North, Columbia, MD 65201

Have DXed from here since 1963 but went inactive in 1990 when we moved and took down the antenna. Back in the game, time permitting with rabbit-ears and 1954 National "Criterion" tuner.

Added the following 4/23-94: (nothing spectacular here)

104.1 KZPD Ash Grove MO (Springfield market, adult standards)
105.1 KOSP Willard, MO (Spfld mkt, oldies)
107.9 KLTE Kirksville, MO contempo Xistian
106.1 KBXR Ashland, MO (Columbia mkt, new-age rock)
95.1 KLGSS Versailles, MO (country)
97.9 KKL Webb City, MO (Joplin mkt, oldies)
96.1 KLRQ Clinton, MO CHR
103.5 KWXD Asbury, MO (Joplin mkt, oldies)
95.5 KZBE Pleasant Hope, MO (Spfld mkt, AOR)
92.3 KBUG Osceola, MO

Added 4/24-94:

96.5 KLTQ Sparta, MO (Spfld mkt, country)
92.3 KCCV Olathe, KS (KC MO mkt, Xistian)
88.9 KRNW Chillothes, MO
99.7 KMAC Gainesville, MO (new stn on AR border)

In checking the dials seriously for the first time in 4 years, one notices the effects of FCC Docket 80-90 which not only created hundreds of new channel allotments but in conjunction with Docket 84-231 in 1984 which relaxed spacing rules, leading the way to intermediate station classes (C2, C3, B1, etc.) opened up hundreds of on and off-channel upgrades and additional petitioner-backed channel allotments often in "rim shot" situations or cities-of-convenience within major metro areas. Springfield, Missouri is probably the most plagued market in the country with these new channels, move-ins, upgrades, etc., some of them with severe coverage flaws. KGVX 105.9 was

cont.....

SOUTHERN FM DX

Germond, cont.

JUNE 1994

plagued with shadowing problems from its former site near Pleasant Hill, licensed to Bolivar, MO. When the FCC allowed in certain cases for new cities-of-license to be designated, KGBX successfully petitioned for relicensing to Nixa, MO, another hamlet within the Springfield metro and recently moved to a new, closer-in tower near Strafford, MO which pushes their 70 dBu (3.16 mV/m) contour over all of metro Springfield.

We DX with an elderly "supertuner" though we have others such as Mac's MR-71 (1963). We are in the market to purchase an MR-78 and 80 if on is for sale.

Matt Sittel, 603 Fulton Rd., Apt. B-24, Tallahassee FL 32312

Equipment: Yamaha TX-900U tuner, Archer rabbit ears.

4/11 tr

0750 WNAV 102.1 FL Santa Rosa Beach 115
4/12 tr
1718 KCIL 107.5 LA Houma 389
1734 KLEB 94.3 LA Galliano, 94 Country 381
1740 WLMG 101.9 LA New Orleans, Magic102 349
2159 KGTR 106.7 LA Port Sulphur, Gator 330
2209 WGNL 102.7 NC Wilmington, 103 GNI 453
2232 WBBQ 104.3 GA Augusta, calls 249

4/14 tr

0702 WLOW 106.9 SC Bluffton, mono talk 236
0710 WULS 103.7 GA Broxton, 103.7 FM WLS 110
0713 WEZL 103.5 SC Charleston 302
0759 WFCH 88.5 SC Charleston, ID 302
0759 WSCI 89.3 SC Charleston, ID 302

4/16 tr

0002 WSRZ 106.3 FL Sarasota, Oldies 106 242

4/19 tr

0737 WJY 107.9 SC Hilton Head Island 241
0741 WBUB 107.5 SC St. George 287
0752 WJCL 96.5 GA Savannah, Kix 96 219
0757 WZAT 102.1 GA Savannah 219
0759 WSCI 89.3 SC Charleston, ID 302

TRIP DX: E-skip! Noted 4/30/94, while driving from Mullins SC to N. Myrtle Beach SC.

1316 KLQL 101.1 MN Luverne, area ads
1320 KKCK 99.7 MN Marshall, calls
1326 KCZE 95.1 IA New Hampton
'highway 202 south in Charles City'
1332 KBRK 93.7 SD Brookings, B93.7
1350 WBOB 100.3 MN Minneapolis, Bob 100
1352 KSTP 94.5 MN Minneapolis, KS95

5/7 tr

0829 KOID 93.1 LA Alexandria 487
0835 WKTF 95.5 MS Jackson, Catfish 370
0836 WKXN 95.9 AL Greenville, calls 167
0838 WJDX 96.3 MS Jackson, Mix 96.3 370
0843 WUSD 97.9 MS Wiggins, US98 288
0847 WIIN 98.7 MS Vicksburg, 98 Jamz,s 410
0852 WNSL 100.3 MS Laurel, SL100 299
0857 WZBQ 102.5 AL Jasper, Cool 102.5,o 290
0859 WMPN 91.3 MS Jackson, ID, PRM 370
0904 WOKK 97.1 MS Meridian, 97OKK 290
0905 KAJN 102.9 LA Crowley, calls, g 481
0924 WHJT 93.5 MS Clinton, Alive 93.5 378
0926 WBBN 95.9 MS Taylorsville, B95 323
0930 WFFF 96.7 MS Columbia, Mix 96, o 338
0938 WDXX 100.1 AL Selma, local mention 209
0944 WZZK 104.7 AL Birmingham, calls 256
0945 WKXI 107.5 MS Magee, Kicksie 107 335
0959 W207AU 89.3 MS Hattiesburg, WMAH 300

Not too much DX to speak of lately.

I hope that changes with the upcoming skip season! Log total is up to 766. 73s Matt.

TRIP DX: E-skip! Noted 4/30/94, while driving from Mullins SC to N. Myrtle Beach SC.

1357 WCOW 97.1 WI Sparta, local ad
1358 KARP 96.1 MN Glencoe, ID
1359 KNOW 91.1 MN Minneapolis, ID
1419 WJMC 96.3 WI Rice Lake, local mention
1422 WIFE 95.5 WI Wausau, calls, The HotFM
1426 WYTE 96.7 WI Stevens Point, calls
...what a pleasant early season surprise!!

So goes Oklahoma City, so goes Tulsa in FM broadcasting in Oklahoma....OKC country stations KEBC(Keep Every Body Country) 94.7 and KXXY 96.1 became owned by the same broadcasting company last year. Now in Tulsa the company owning KVOO 1170 AM and KVOO 98.5(both country) has bought country KCKI 99.5 Henryetta-Tulsa, a station that once served primarily Henryetta before moving to a higher tower closer to Tulsa. KVOO program director thinks country music is fragmenting into different styles appealing to different age groups. The young crowd just wants the latest in country music with no news while the older crowd doesn't mind some old country with the latest along with some news and information. But what else is going on just reflects taking advantage of FCC rules made more liberal in late 1992. Now a company can own a maximum of 36 stations from 24 and two FM stations from one. I didn't clean up on it but companies like Clear Channel Communications saw their stock more than doubled a year after FCC changes. (DB)

O K L A H O M A C I T Y
97.9 KTNT
Smooth Jazz

NORTHERN FM-DX

GREG CONIGLIO
5100 GLENWOOD DRIVE
WILLIAMSVILLE, NEW YORK 14221
e-mail: coniglio@acsu.buffalo.edu

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
JUNE 1994 DEADLINE: The 5th LOG CUTOFF: 3 months from postmark

I thought that there would be no June NFM-DX column due to lack of contributions. Then April 30th came along. Most DXers are calling this the best April skip opening they have ever seen, and the statistics seem to be back them up. Prior to this the most FM logging to the VUD in one day in April was 50 (4/27/87). This opening should go well past that mark easily. There has been some sporadic TV activity since then, but nothing major. Let us know if you had anything that day, or during any other opening too!.....

dBRUCE HALL - 5 STIRTON AVE. - BRANTFORD, ONTARIO CANADA N3T 1E2

Equipment: JVC JR-S201 receiver (IF mod with 3 110 khz filters), Magnum Dynalab Sleuth 205 amp, Probe 9 fed with RG6 at 50 feet AGL, Crown Rotor, Distances are in kilometres.

APRIL 1994 DX

2 GW

0710 (WZJM) 92.3 OH Cleveland Hts., "WZJM, the frequency is 92.3, the slogan is Jammin 92" 208

10 TrS

0837 WQTL 106.3 OH Ottawa, "Mornings with the Big Kahuna, every weekday from 6 to 10 right here on Classic Hits 106" 389

0857 WYSZ 89.3 OH Maumee, ID with Toledo "Toledo Christian Hit Radio", g 313

13 TrS

0629 WZWA 90.1 WV Clarksburg, legal, g 426

16 TrS

0630 WNER 90.7 MI Sandusky, g, "WNFA 88.3 Pt. Huron, WNER 90.7 Sandusky" 300

April 17 TrS

0700 WBGL 91.7 IL Champaign, calls, g, and weather in Chicago mentioned 748

19 TrS

0640 WNYC 93.9 NY New York, NPR, "That's Tuesday on NY beat AM, 820 WNYC news and talk around the clock." 700th FM logged in Brantford since April 1990! (Congrats, Bruce!-gc) 583

27 TrS

0712 WKXW 101.5 NJ Trenton, "Our only radio station, not New York, not Philadelphia, glad to be New Jersey 101.5", Temptations music 561



Convention 1994? Convention Announcement? Did I miss it? Not in VUD yet? Hope to see somebody, someplace, someday, sometime. How did this happen? 73, dB

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

Equipment: GE Superradio w/110 khz filter, Radio Shack amp. at set, Jerrold 9 element FM yagi in attic.

APRIL 1994 DX

8 GW

2040 WWBV 106.1 PA Beaver Springs, "V-rock" with fair signal 75

9 GW

1821 WUNS 96.3 PA Lewisburg, // to WWBV but with terrible signal 70

April 30 Es

1238 KYKZ 96.1 LA Lake Charles, Kix 96, IDs, promoting "Contraband Day"

1243 KSCS 96.3 TX Forth Worth, up briefly through WJDX with ID

1243 WJDX 96.3 MS Jackson, see-sawing w/KSCS

1300 KVLL 94.7 TX Woodville, "Station that's being turned on in East Texas"

1305 KWKH 94.5 LA Shreveport, in loud with c/w music for most of the opening

1308 KAFX 95.5 TX Diboll, rr mx, "K-Fox"

1338 KKTIX 96.1 TX Kilgore, sat. classic rock

1347 KTCS 99.9 AR Fort Smith

1354 KZHE 100.5 AR Stamps, c/w, IDs

1410 KYKZ 105.7 TX Longview, very strong over WMRV Endicott

1420 KPXI 100.7 TX Mt. Pleasant, K-101, IDs



This is a season of a couple firsts. First: FMEs were never observed here in April before. Second: a season opens was never before a 107.9+, 2 1/2 hour skip opening. I was totally unprepared for this one as I tore the house apart looking for the tape recorder, log books, pencils, etc. I sort of suspected the season would be an early opener for a number of reasons. Some being Todd Emslie's success w/skip in Australia from last month's VUD. The good winter season I had and the fact that we are moving into sunset quiet. Best Regards.

NORTHERN FM DX

JUNE 1994

DAVID J. NIEMAN -- HO STA GEH ROAD -- ROCK CITY NEW YORK

Equipment: Carver TX-11 tuner IF filter modified, Channel Master model 4408 (Stereo Probe 9) at 25 feet AGL. Winegard FT-7600 variable FM trap for 95.7mHz, Belden RG-6 coax and Radio Shack rotor. New loggings are underlined, new call {KKKK}, new propagation mode WWW.

APRIL 1994

2 tropo

1100 WCMU 89.5 MI Mount Pleasant ID, j\$ 336

23 troposcatter

1241 WVSR 102.7 WV Charleston, call, \$ 303

24 tropo

1005 WVNP 89.9 WV Wheeling, "WV Public Radio", into NPR 165

30 tropo & E-skip

0841 WQXA 105.7 PA York, "Q-106", r\$ 167

0942 WOKN 99.5 NY Southport, "OK-100" k\$, over WDCX Buffalo NY 86

1203 WMBV 91.9 AL Dixons Mills, call, g\$ fund raising 851

1259 WTGE 100.7 LA Baton Rouge, "100.7 The Tiger", r\$ 1069

1320 WTYX 94.7 MS Jackson, "Oldies-94" +lcl ads, o\$ 933

APRIL 30 E-skip continued

1325 KSMB 94.5 LA Lafayette, call, rs\$ 1108

1336 KQXY 94.1 TX Beaumont, contest promo, rs\$ 1190

1338 WYCT 94.1 LA Kentwood, call+ "Young Country", k\$ 1023

1351 WJSU 88.5 MS Jackson, call, j\$ 929

1353 WRKF 89.3 LA Baton Rouge, fund raising, \$ 1055

1356 WPRL 91.7 MS Lorman, call, s\$ 986

1359 WQST 92.5 MS Forest, ID, American Family Radio, g\$ 896

1415 KEZP 104.3 LA Bunkie, area ads, o\$ 1075

2247 WUWF 88.1 FL Pensacola, call, j\$ 930

2259 WPCS 89.5 FL Pensacola, ID, g\$ 935

2324 WOGY 94.1 TN Germantown, "Froggy-94", k\$ 777

2341 WJMI 99.7 MS Jackson, "99-Jams" +call, s\$ 933

I was checking TV channel 6 because of some morning tropo when I noticed a station peating zero with and programming parallel to WJAC Johnstown PA. I checked my FCCTV database for any possibilities within tropo range but seen none. Then I remembered hearing a station earlier on 104.9 with Spanish programming that I couldn't figure-out. That may have been Rosenberg, Texas I was

hearing. This was the strongest skip I ever remember having in April. Dave

DAVID J. NIEMAN -- 12284 NICE ROAD -- AKRON NEW YORK 14001-9529

Equipment: Carver TX-11a tuner IF filter modified, Channel Master model 4408 (Stereo Probe 9) at 33 feet AGL on a crank up tower. Alliance HD-73 rotor and Jerrold CAC-11 coax.

New loggings are underlined, new call {KKKK}, new propagation mode WWW.

APRIL 1994

6 troposcatter

1155 WMUS 106.9 MI Muskegon, call+ lcl ads & "107 MUS", k\$ 381

SE-93

93.3 FM

I thought hearing western Michigan on scatter would be a good sign of some future tropo but nothing developed from it. Dave

BILL NIENAJADLY - KF2OK - P.O. BOX 2999 - CLIFTON, NEW JERSEY

Equipment: Fisher FM660 modifies, Shack FM antenna and rotor.

APRIL 30 E-skip!! MUF 107.9!! A Blockbuster!

1140 **KROK** 92.1 LA DeRidder, "92 Rock"
 1142 **KSBJ** 89.3 TX Humble/Houston, calls, ID
 1145 **KYKR** 95.1 TX Beaumont, K-95 + calls, ID
 (new calls?), (yep, they moved from 93.3 Bill-gc)
 1150 **KUEZ** 99.3 TX Luftkin, a mention of
 downtown Nacodogoches
 1215 **WHMA** 100.5 AL Anniston, Alabama 100, ID
 1216 **WDXX** 100.1 AL Selma, Dixie 100, calls ID
 1230 **KMGC** 106.1 LA Monroe, "W. Monroe" and
 area ments., country, (Bill they have new calls now, but
 I can't recall them offhand-gc)
 1233 **KDBH** 97.7 LA Natchitoches, "65 in
 downtown Natchitoches"
 1235 **K???** 100.1 LA Bastrop, "Hot 100", urban,
 1109 Hudson Lane, Monroe LA 71201, and fax number
 of 318-388-0569 given
 1244 **KITT** 93.7 LA Shreveport, area ments.
 1255 **KWKH** 94.5 LA Shreveport, many IDs by
 country artists, ID
 1257 **KVKI** 96.5 LA Shreveport
 1300 **KVMA** 107.9 AR Magnolia, ID, STRONG
 5 lights at 107.9!!!!
 1300 **KALK** 97.7 TX Winfield, ID
 1301 **KKTX** 96.1 TX Kilgore, Longview ments.
 1305 **KDOK** 92.1 TX Tyler, new calls? (yes-gc)

April 30 Es cont.

1313 **KMOQ** 96.7 TX Mineola, continouts ments.
 of Mineola and surrounding areas in the news
 1328 **KDON** 92.7 AR DeQueen, ID
 1329 **KGAP** 92.7 AR Gordon, "Kicks Country"
 mentions of Arkadelphia
 1343 **KLLI** 95.9 TX Hooks, "Thunder 95.9", ads
 1347 **KOLL** 94.9 AR Maumelle, oldies, "Cool 95"
 slogan almost sounded like "Q95"
 1350 **KZYP** 99.3 AR Pine Bluff, local ments.
 1353 **WCDZ** 95.1 TN Dresden, "CD Country" and
 mentioned of Dresden, Paris (Bill, note the
 new call letters-gc)
 1358 **KVRE** 92.9 AR Hot Springs, ID, nostalgia mx
 1402 **KKYR** 102.5 TX Texarkana, ID
 1409 **KWCK** 99.9 AR Searcy, Quick 99.9 country
 1417 **KBOK** 93.3 AR Malvern, ID
 1422 **KQUS** 97.5 AR Hot Springs, local ments.
 1426 **KHLT** 94.1 AR Little Rock, K-Lite, ads
 1435 **KEZQ** 102.9 AR Sheridan, ID



Thanks to Leo Gluk for tips on opening and thanks to Joe Fela for help with call letters. Wow, 31 stations, 19 of them brand new, and Memorial Day isn't here yet! This opening was a surprise and will go down in the record books. Interesting to note that in the evening, 10 meters was open to close in states like Ohio! - and I worked 20 stations in IN, IL, KY, MI, OH, SC, NC, & others. Again...WOW! GoodXing - Bill! KF2OK
 P.S. KHLT 94.1 was splashing 94.3 real bad - amazing!

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

Equipment: Pioneer TX-9100 tuner modified with 150khz and 180 khz filters, CM Stereo Probe 9 FM antenna = 20' AGL, CAC11 & RG6 coax. Phasing: Jerrold 10 element TV antenna at = 25' AGL, rotatable, into "two capacitors in a phase box", and switchable rabbit ears both into a 0-10-20 db Radio Shack amp.

MARCH 20, 1994 Trs

2000 **WNFR** 90.7 MI Sandusky, new to air, legal
 ID with WNFA 88.3 Port Huron 211

APRIL 30, 1994 E-skip!

1144 **KTFA** 92.5 TX Groves, ads, "The Light 92.5"
 wiped out local CISS Toronto 1226
 1146 **(KLTN)** 93.3 TX Pt. Arthur, ex: KYKR 1229
 -Mobile DX in Cheektowaga, NY
 1151 **KYKR** 95.1 TX Beaumont, local ads 1229
 1151 **KODA** 99.1 TX Houston, ads 1312
 1159 **WCKW** 92.3 LA LaPlace, op\$, legal ID 1119
 1204 **WKSJ** 94.9 AL Mobile, k\$, 95-KSJ,
 over local CKGE Oshawa even in car 988
 1206 **WJDB** 95.5 AL Thomasville, calls,
 heard previously on 95.3 911
 1208 **WABB** 97.5 AL Mobile, top 40, calls 987
 -back home, another opening later!

2248 **WMKS** 92.3 GA Milan, Kissin, country 754
 2251 **KXKC** 99.1 LA New Iberia, k\$ requests 1140
 2258 **WRBA** 95.9 FL Springfield, Bay 96 962
 2307 **WPAP** 92.5 FL Panama City, k\$ o/CISS 942
 2315 **WTVY** 95.5 AL Dothan, ads 897
 2320 **WKCW** 99.3 GA Lumpkin, Kissin Country 825
 2323 **WMSU** 92.1 MS Starkeville, The Blitz,
 Starkeville's Classic Rock, ads 854
 2328 **WJNS** 92.1 MS Yazoo City, Central Miss.
 Gospel Connection 944
 2332 **WNOE** 101.1 LA New Orleans, k\$ way 1092
 over ocal CKEY Fort Erie
 2335 **WLMG** 101.9 LA New Orleans, rm\$ 1098
 2336 **KLRZ** 100.3 LA Laroe, hard rock, Z-100
 2339 **WZRH** 106.1 MS Picayune, Zephyr, modern
 rock for New Orleans!, Sat. nite dance mix 1061
 2340 **WGCM** 102.3 MS Gulfport, Coast 102 1042
 2342 **WKNN** 99.1 MS Pascagoula, K99FM 1024
 2346 **KROF** 105.1 LA Abbeville, jingle 1174

EASTERN TV-DX

Stephen West
26 Dougherty Blvd. G-8
Glen Mills, PA 19342

(215) 358-2648

June 1994

Deadline: 5th

Tropo has been rather poor so far this spring. The big news is the April 30th Es opening, which reached past the top of the FM band. In fact there were probably two openings via the E layer, one in the early afternoon and another late in the evening. Keep checking those low bands, skip can crop up in a moments notice!

Harry J. Hayes, 9 Henry Street, Wilkes-Barre, PA 18702

Equipment: RCA 1971 Color TV, switchable quad loop for Chs. 2 and 5 with a Radio Shack amp at the TV set.

April 1994

30 Es 1240 **KBTX-3** TX
 1415 **WREG-3** TN
 2200 **KARK-4** AR
 2245 **WLB-3** MS
 2258 **WMAB-2** MS



April 1994

30 Es 2300 **KALB-5** LA Note #1
 2323 **KTBS-3** LA

May 1994

1 Es 1430 **UNID-2** NBC

Note #1 - Election results. The MUF at 1400 was 107.9+! An April first! (No fooling? sw)

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

March 1994

18 GW 1827 **W64BW** (Telemundo in DC)

April 1994

27 tr 2322 **WLVT-39** PA
 2332 **WRMY-47** NC
 28 tr 0013 **WAAP-16** NC (251)
 30 Es 1259 **KOET-3** OK
 1327 **KJRH-2** OK
 1405 M.U.F. to 98.5:
 1530 Es fade out
 2309 **KTVI-2** MO

April 1994

9 tr 0818 **WRDC-28** NC (w/z cci)
 27 tr 2303 **WNSC-30** SC
 2313 **W42AC** Front Royal, VA
 with **WVPT-51** programs



Dave Nieman -- Ho S ta Geh Road -- Rock City New York

Equipment: RCA SelectaVision VCRs tuner with a 13" RCA b/w Tv as monitor, Channel Master VHF antenna model 3617B at 15 feet AGL on a Radio Shack rotor, Belden RG-6 coax feed into a Winegard FT-7600 FM trap set to 95.7mHz and Winegard DA-205 distribution amp. Antennacraft UHF antenna model P-7 (7' dish) into a DX Tele Labs EU-4S preamp at 25 feet AGL on an Alliance U-100 rotor and Jerrold CAC-11 coax feed. New loggings are underlined, new call {KKKK}.

April 1994

11 Tr 0600 **WXTV** -41 (NJ) 247
 0900 **WGPT** -36 MD 185
 30 Es 1259 **WDSU** -6 LA 1049

April 30 E-skip continued

30 Es 1300 **KALB** -5 LA 1089
 2302 **WKRG** -5 AL 938
 2336 **KATC** -3 LA 1131

I hope this is the beginning of the summer skip season, if it is; it looks like a good one. Dave

WESTERN TV-DX

Fred McCormack
PO Box 65666
St. Paul MN 55165-0666

(612) 735-6860

Deadline: 07-07-94
Cut-off: 04-01-94

June 1994

The E skip season is underway! In April, E skip was reported in North America on the following dates: 1, 7, 9, 26, 30 and in Australia on the 4th. Bill Draeb also reported E skip on May 2nd and 3rd.

In another major expansion of Western TV-DX's coverage area, this month we welcome new reporter, Todd Emslie of Sydney, Australia. It's good to have you with us!

I encourage all to report your loggings. Please watch the deadlines and cut-off dates. Two days is not enough lead time to be certain your report will be received here by deadline. Regarding cut-offs, for any who are unaware; loggings preceding the cut-off date will not be printed in this column. Having said that, I must point out that this month I have made a one time cut-off exception to allow us the opportunity to read Todd's first report in its entirety.

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

NL Nuevo Leon YN Yucatan

Fernando Garcia, Apartado 30, Suc. B, Cd. Guadalupe, N.L., 67181, Mexico (8) 360-5874 HCM

Location:

Hill at 1800' asl ne of Saddle Mountain (5900'), se of Monterrey metro area.

Equipment:

Sony 27EXR15, Channel Master 7' dish at 45', RG-6, UA-900 amp and rotor.
Sony KV-13TR27, Archer V-185 at 40', RG-6, rotor. Archer V-110 vertical at 25'.

March 1994

4 tr 0015	KADN 15 LA 584 K21DM 21 LA 591 (Lafayette VJN)	0030	KVHP 29 LA 528	0045	WVLA 33 LA 634	0545	KETK 56 TX 534	0600	W36ACT 36 MS (McComb TBN)	LPB 18,24 LA	0630	WNOL 38 LA 693 W39AT 39 LA 652 (Baton Rouge LPTV)	0700	WLAE 32 LA 693 WGN0 26 LA 693	1915	WFTX 36 FL 1140 \$WBFS 33 FL 1227 \$WSCV 51 FL 1240	1930	WDZL 39 FL 1243 WCTDT 35 FL \$WXEL 42 FL 1237 \$WFLX 29 FL 1237 W52- 52 ?? (Unknown WFLX-29)	2030	WFGX 35 FL 889	2045	WHFT 45 FL 1243 WLRN 17 FL 1240 WTMV 32 FL 1134 WYHS 69 FL 1240	2100	WACX 55 FL 1181 \$WNOL 38 LA 693	2115	K59DG 59 LA 688 (New Orleans TBN)	4 tr 2115	\$WVLA 33 LA 634	2130	unid ch 61 FL (See Note # 1)	WTVX 34 FL 1227	WMPV 21 AL 839	KADN 15 LA 584	MS ed 17,19	LPB 18,24 LA	K21DM 21 LA 591	WOFL 35 FL 1190	WMFE 24 FL 1190	\$WTXL 27 FL 1029	WKCF 18 FL 1190	W55AM 55 FL 1182	(Big Pine WCIX- 6)	W60AK 60 FL 1182	(Big Pine WPLG-10)	(See Note # 2)	2215	=Cuba 11 1030 (See Note # 3)	2230	K56DR 56 LA 633 (Baton Rouge TBN)	2245	W65BGt 65 FL (See Note # 4)	\$WLPB 27 LA 637	unid ch 39 VJN (LA/MS heading)	K46CR 46 LA 645 (Baton Rouge VJN)	2300	WPMI 15 AL 836 WSFP 30 FL 1144	2315	KVHP 29 LA 528 W36AC 36 MS 709	4 tr 2315	K39BJ 39 LA 618 (Morgan City wx info)	2330	K62DW 62 LA 591 (Lafayette LPTV)	WPAN 53 FL 870	\$WBBH 20 FL 1144	WCLF 22 FL 1085	WBHS 50 FL 1116	2345	KLAX 31 LA 618	5 tr 0000	\$WGBM 44 LA 631 K52QQt 52 LA (Baton Rouge LPTV)	0315	WHBR 33 FL 836	WBSF 43 FL 1200	0330	WFTS 28 FL 1116	0400	WIRB 56 FL 1211 WDBD 40 MS 749	unid ch 29 TBN	0415	WFLA 8 FL 1116 WTTA 38 FL 1116	0445	WBCC 68 FL 1200	0500	WTGL 52 FL 1200	0515	WXXV 25 MS 761	0530	WLOX 13 MS 758	0545	\$WPBF 25 FL 1227	0600	\$WAPT 16 MS 749	0615	W58BO 58 MS 669 (Natchez TBN)	KFKX 51 TX 556	KETK 56 TX 534	0630	WNTZ 48 MS 671	0645	WOGX 51 FL 1122	0700	WGBG 30 MS 830	0715	\$WHLT 22 MS 771
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Western TV-DX

June 1994

Fernando Garcia (continued)	6 tr 0945	WGMB 44 LA 631	19 tr 0645	WLAE 32 LA 693						
		WHLT 22 MS 771		\$KFWD 52 TX 522						
5 tr 0745	KMSS 33 LA 615	1015	K55EX 55 LA 686	0700	\$KVHP 29 LA 528					
1745	WBHS 50 FL 1116		(New Orleans tourist)		KLPB 24 LA 566					
	WTTA 38 FL 1116	2145	\$WVLA 33 LA 634	0745	K21DM 21 LA 591					
1815	\$WEVU 26 FL 1153		LPB 18,24 LA		KADN 15 LA 584					
1830	WNPL 46 FL 1153	2200	KADN 15 LA 584		W55CE 65 LA 615 (Shreveport TBN)					
1845	WACX 55 FL 1181		WDBD 40 MS 749		0845	\$WVLA 33 LA 634				
1900	WTMV 32 FL 1134		New Orleans 693		0900	KFKX 51 TX 556				
	WLAE 32 LA 693		26,32,38		0915	New Orleans 693				
1915	WVLA 33 LA 634		MS ed 17,19							
	WOFL 35 FL 1190	2215	WEIQ 42 AL 823		0930	WMAU 17 MS 696				
1930	KLPB 24 LA 566		WMPV 21 AL 839		0945	\$WLPB 27 LA 637 (Under KLD0)				
	WBSF 43 FL 1200		2230	\$KVHP 29 LA 528		1000	\$WXXV 25 MS 761			
1945	KADN 15 LA 584		7 tr 0200	=WGMB 44 LA 631		1030	K62DW 62 LA 591			
	WMAU 17 MS 696			\$KLAX 31 LA 618		1730	unid ch 49 TMD			
	WGMB 44 LA 631			0245	KETK 56 TX 534	1900	KETK 56 TX 534			
2015	WFSG 56 FL 929			0300	KALB 5 LA 600	1915	\$KMSS 33 LA 615			
	KLAX 31 LA 618				KARD 14 LA 653	1945	KLTS 24 LA 615			
	K21DM 21 LA 591			0545	\$WGBG 30 MS 830	2000	\$KVHP 29 LA 528			
2030	\$WSCV 51 FL 1240				WAPT 16 MS 749	2045	DFW 21\$,27,33,39 49,52,58 519			
	WLPB 33 FL 1227			0600	WFTO 21 AL 970		2100	WDBD 40 MS 749		
	\$WUSF 16 FL 1116				K46CR 46 LA 645		KLAX 31 LA 618			
	WLRN 17 FL 1240			0615	KMSS 33 LA 615		KLDT 55 TX 544			
	WDZL 39 FL 1243				KFKX 51 TX 556		KFKX 51 TX 556			
2045	WYHS 69 FL 1240				WBMG 42 AL 963	2200	KFKX 51 TX 556			
	\$WCTD 35 FL 1243			0630	WXXV 25 MS 761					
	\$WSFP 30 FL 1144			0645	WIIQ 41 AL 873	20 tr 0000	XH- 34 NL 7 (See Note # 7)			
	WFTX 36 FL 1140				\$K69FC 69 TX 251		0115	KADN 15 LA 584		
	WHFT 45 FL 1243				(Uvalde KENS- 5)			KASN 38 AR 774		
	WXEL 42 FL 1237				(See Note # 6)		0130	\$KLRN 16 AR 783		
	WBBH 20 FL 1144				K61FM 61 TX 251		0145	\$WVLA 33 LA 634		
	unid ch 39 VJN				(Uvalde KABB-29)		0515	KMPX 29 TX 559		
	(Strong, again)				K65BE 65 TX 335		0530	WLOV 27 MS 873		
	K56DR 56 LA 633				(Kimble Cnty KSAT-12)		0545	WAPT 16 MS 749		
2115	WMPV 21 AL 839				0700	K59EY 59 TX 251	0600	WVPT 15 MS 796		
	WTWC 40 FL 1029				(Uvalde KLRN- 9)			MS ed 17,18,19, 29\$		
	WEIQ 42 AL 823				K55- 55 ??		0645	WMAO 23 MS 799		
	WFGX 35 FL 889				(Unknown NBC,KMOL-4?)			K21DM 21 LA 591		
	\$KVHP 29 LA 528				WMAW 14 MS 802			LPB 18,24 LA		
2130	WPAN 53 FL 870				0715	WDBD 40 MS 749		0700	\$KARD 14 LA 653	
	WBCC 68 FL 1200				1100	KLPA 25 LA 615			WLPB 27 LA 637	
2143	WTVX 34 FL 1227				1945	DFW TX 519			\$WFOA 32 AL 926 New Orleans 693	
2200	W60AK 60 FL 1182					21,33,39,58			26,32\$,38\$	
	W52- 52 FL				2015	DFW TX 519				
	(See Note # 5)					cci-27,49,52				
	WLTV 23 FL 1243				8 tr 0115	WVLA 33 LA 634			0715	\$KMSS 33 LA 615
	(o/semiloc KVEO)				0545	\$WMAU 17 MS 696			0730	WLMT 30 TN 895
2245	WSVN 7 FL 1243					KADN 15 LA 584				(Seen 0730-1300)
	XHTP 9 YN 780					LPB 18,24 LA			0745	KETK 56 TX 534
	XHDH 11 YN 780				0615	KARD 14 LA 653				K62DW 62 LA 591
	XHSTt 13 YN				11 tr 0700	WBHS 50 FL 1116			0800	KLTS 24 LA 615
6 tr 0630	WMAH 19 MS 771				0715	WTTA 38 FL 1116			0815	unid 13 Spanish (See Note # 8)
	WMPV 21 AL 839					WTMV 32 FL 1134				unid 8 Spanish (See Note # 9)
	WGN0 26 LA 693				18 tr 2000	KADN 15 LA 584			0915	WDBD 40 MS 749
	\$WVLA 33 LA 634				2030	LPB 18,24 LA				WGBG 30 MS 830
	K46CR 46 LA 645					WVLA 33 LA 634			0930	WBMG 42 AL 963
0645	WDBD 40 MS 749					KVHP 29 LA 528			1015	WMAW 14 MS 802
0700	LPB 18,24,27				2045	New Orleans 693				WTO 21 AL 970
	WHBR 33 FL 836					26,38			1045	WCOV 20 AL 954
0715	WLAE 32 LA 693				19 tr 0315	K56DR 56 LA 633			1115	WABM 68 AL 966
	\$WNOL 38 LA 693					unid ch 43 TBN			1130	KLAX 31 LA 618
	KADN 15 LA 584					DFW TX 519				W36AC 36 MS 709
	WXXV 25 MS 761					21,27,49,58			1230	KLPA 25 LA 615
0730	WPAN 53 FL 870				0600	KMSS 33 LA 615			1645	\$WVLA 33 LA 634
0745	WPMI 15 AL 836					\$KETK 56 TX 534				
	K59DG 59 LA 688				0630	KLDT 55 TX 544				
	WMAU 17 MS 696					KLAX 31 LA 618				
0930	WVUE 8 LA 693					WMAH 19 MS 771				

Fernando Garcia (continued)

20 tr 1645	KADN 15 LA 584	21 tr 0345	W29BH 29 MS 757	24 tr 1930	KDXTX 58 TX 519
	WCIQ 7 AL 1019		(Biloxi TBN)	25 tr 0550-0720	s LA 500
1700	KPLC 7 LA 547		K62DW 62 LA 591		15,18,24,26,32,
1730	WXVT 15 MS 796		0400 WTGS 28 SC 1221		33,38
	\$WMPN 29 MS 743		0415 \$WMTG 41 GA 1116		0725 had to leave
1745	WAPT 16 MS 749		0445 WFXL 31 GA 1066		1945 DFW 21,33,58 519
1800	WMAW 14 MS 802		0500 GPTV GA		2215 s LA 24,26,32,
	KVHP 29 LA 528		20\$,28,29		33,38
	K21DM 21 LA 591		@WFOA 32 AL 926	26 tr 0630	KADN 15 LA 584
	WMAU 17 MS 696		0515 WGBB 44 LA 631	0645	\$KVHP 29 LA 528
1845	WMAV 18 MS 867		WAFB 9 LA 637		WDBD 40 MS 749
	unid ch 23 ABC		0530 WXGA 8 GA 1112	0700	KARDt 14 LA
	WZDX 54 AL 1025		WAKA 8 AL 926		\$WVLA 33 LA 634
1900	KARD 14 LA 653		WSFA 12 AL 954		\$WMPN 29 MS 742
	WMAO 23 MS 799		0545 WABW 14 GA 1047	0730	WMAW 14 MS 801
	WFIQ 36 AL 963		WHLT 22 MS 771		KLPB 24 LA 565
	New Orleans 693		0600 WAGT 26 GA 1224	1300	New Orleans 26,
	26,32,38\$		WCOV 20 AL 954		32,38
1915	WAFF 48 AL 1029		0615 \$WVLA 33 LA 634	1400	K21DM 21 LA 591
1930	WAAV 31 AL 1029		0630 MS ed 17,19	1845	WMAH 19 MS 770
2015	KLPB 24 LA 566		0715 New Orleans 693	1900	WVLA 33 LA 634
2115	KETK 56 TX 534		26,32,38		(In all day)
	WDBD 40 MS 749		0915 WDBD 40 MS 749	1930	KETK 56 TX 534
	WMAH 19 MS 771		0930 \$KVHP 29 LA 528	2030	KADN 15 LA 584
2130	KMSS 33 LA 615		1045 LPB 18,24 LA	27 tr 0015	LPB 18,24,27
	WLPB 27 LA 637		22 tr 0545 \$WVLA 33 LA 634		WWSB 40 FL 1106
	WAPT 16 MS 749		WLPB 27 LA 637	0030	\$WTHV 32 FL 1134
2145	WBHG 42 AL 963		\$KVHP 29 LA 528		WBHS 50 FL 1115
	WIIQ 41 AL 873		0615 KLPB 24 LA 566	0045	\$WFLX 29 FL 1236
2200	KLTL 18 LA 547		23 tr 0555 WVLA 33 LA 634		WBBH 20 FL 1143
2230	WXXV 25 MS 761		New Orleans 26,38		WFTX 36 FL 1140
2330	WMCF 45 AL 966		0645 DFW 21,33,58 519	0100	WTTA 38 FL 1115
	K59DG 59 LA 688		2145 KFDW 52 TX 522		\$WTVT 13 FL 1115
	WNTZ 48 MS 671		KLDT 55 TX 544		(SAP - NOAA wx)
2345	WABW 68 AL 966		2200 DFW TX 519		\$WFLA 8 FL 1115
21 tr 0000	\$WLTZ 38 GA 1035		21,33,39,49,58		(SAP - weather)
	WXTX 54 GA 1035		24 tr 0330 KMPX 29 TX 559	0115	WTOG 44 FL 1115
	WTJP 60-AL 998		KDFI 27 TX 519		(o/semi loc KLUJ)
0015	KLAX 31 LA 618		0345 KETK 56 TX 534		WFTS 28 FL 1115
	WMPV 21 AL 839		0550 \$KFKX 51 TX 556		(Local off)
	WAIQ 26 AL 960		0600 KLTL 18 LA 547		W61BL 61 FL 1104
0330	\$WTSB 17 GA 1100		KVHP 29 LA 528		(Tampa UNI)
	K46CR 46 LA 645		KPLC 7 LA 547		W57BA 57 FL 1104
	\$WATL 36 GA 1103		0615 WPMI 15 AL 836		(Tampa TMD)
	WVEU 69 GA 1103		WHR 33 FL 836	0130	WCLF 22 FL 1084
	WLTXT 19 SC		WVLA 33 LA 634		W68CF 68 FL 1098
0345	WHSB 63 GA 1119		WMPV 21 AL 839		(Tampa TMD)
	@WTLK 14 GA 1103		0630 WPAN 53 FL 870		W60BK 60 FL 1092
	\$WFB 30 GA 1103		New Orleans 26,38		(Dunedin TBN)
	K56DR 56 LA 633		0645 WLAE 32 LA 693		W63BS 63 FL 1084
	@WGX 24 GA 1116		WFGX 35 FL 889		(St. Ptsburg WTMW-32)
	K39BJ 39 LA 618		@WFIQ 42 AL 823	0145	WACX 55 FL 1180
			0700 KMSS 33 LA 615	0200	WIRB 56 FL 1211
					WTGLT 52 FL

Note # 1 - slightly north of Miami, carrying The 700 Club.

Note # 2 - multiple WPLG-10 IDs. This was logged thanks to that semi-local KMBH-60 was out for two days. unid channel 52 with WFLX-29 again.

Note # 3 - only audio, "Amigos, Tele Rebelde finaliza sus transmisiones" (friends, Tele Rebelde close down its broadcasts). I decide to count this as new one. According to WRTVH-93 there is a channel 11 with Tele Rebelde network in Pinar del Rio (west of the island) with 32 KW.

Note # 4 - Tallahassee heading. Religious programming. Is this station back on air?

Note # 5 - Advertisements for Cocoa.

Note # 6 - This opening to the west of San Antonio, north northwest of my location, was noted with the antenna pointing northeast. I quickly turned the dish, getting as strong signals as local TVs.

Fernando Garcia (continued)

Note # 7 - New station on the air for Monterrey, programming 24 hours CVC (Calidad, Valor y Conveniencia), first day on the air. I think this will be the easiest Monterrey catch via tropo for Gulf DXers. CVC is a home shopping programming

Note # 8 - Russian cartoons dubbed to Spanish. Cuba?

Note # 9 - Mexico City program "Busca Auto" (like home shopping, for used cars).

Without doubt the best March tropo opening was the 4/5 with signals from the Florida Keys UHF translators (90% of the path is water) and from channel 11 Tele Rebelde in Cuba.

News: Semi-local station KNVO-48, TeleMundo, is now broadcasting in stereo (\$). KLRU-18 is carrying BBC World Service on its SAP signal. Local XET-6 and semi-local XHAB-7 are now 24 hours, carrying CVC during the night.

Jeff Kadet, Box 20, Macomb IL 61455 (W3CRH) (309-833-1809)

CST

Equipment:

ICOM R7000 with video adapter; Zenith L1310, N1310, Y1310 13" color sets; five 9" to 12" black & white Zeniths for E skip (all sets circa 1979-1982). Screened Channel Master 7' dish with UA-900 preamplifier, .500 aluminum hardline up 85'. Channel Master 1110 with PA-1975 preamplifier, .500 aluminum hardline up 80'. Winegard 5 element low-band yagi (vertically polarized) w/CP 3700 preamplifier, RG-11, up 10'. Finco 5 element 6 meter yagi (vertically polarized) with Belden 9913 up 25' (for channel 2).

February 1994

16 tr 0017 unid ch 35 east
(shop OKHz-WTO)

I went down to Columbia, Missouri for a few days. The channel 2 with Channel America is definitely on the air; although, even in the center of town, the signal is equivalent to grade B. E skip should do a real number on this one! The channel 11 was on the air, but with just an ID slide the whole three days I was there.

[Jeff also added KSBI-52 and K69GO, Tulsa Channel America, to his log on January 23, 1994. fm]

Keith Smith, 3924 Sims Ave, St. Ann MO 63074-1926 (314-429-0751)

CST/CDT

March 1994

16 tr 2045	WPSD 6 KY 158	22 tr 0109	WAND 17 IL 113
4 tr 0343	WTWO 2 IN 170	2056	WILL 12 IL 157
	(See Note # 1)		0112 WPSD 6 KY 158
	(See Note # 2)		0116 KOLR 10 MO 175
0359	unid channel 10		0122 WSIL 3 IL 128
	(See Note # 2)		(See Note # 6)
11 tr 1031	KBIS 23 MO 116	22 tr 0030	WILL 12 IL 157
14 tr 0347	WPSD 6 KY 158		(See Note # 4)
16 tr 2036	WCIA 3 IL 156	0046	WTJR 16 IL 105
	2037	WSIL 3 IL 128	(See Note # 5)

Note # 1 - Carrying "Nightside". Local KTVI-2 was off. An amazing catch - since KTVI-2 is on almost all the time! Some unid with a test pattern was trying to squeeze through WTWO's signal.

Note # 2 - Sidestepping WGEN with a test pattern. Suspect WTHI.

Note # 3 - Kind of hard to tell - KETC-9's schedule was completely different from the PBS schedule listed in ONSAT. Seems that most PBS affiliates "do their own thing" during the "pledge month" of March!

Note # 4 - Carrying an old movie (1930s-40s, I think). Following this, the ID with some info on the next show... but then DEAD AIR for about 3-4 minutes! Must have been asleep at the switch...zzz. Grade B intensity for "a long time" on this one!

[Keith pointed out that in the January 1994 Western TV-DX his reference to WSIU-8 was incorrectly shown as WSIL-8. Keith added KWVL-7 to his log on January 24, 1994. fm]

Keith Smith (continued)

Note # 5 - WTJR apparently can't decide whether they're TBN or not. At this time, they were showing an address in Champaign (must be a regional show). Wonder if they're interconnected with WFHL-23, Decatur! (WGEM-10 and KHQA-7 were both grade A intensity here also.) I'm still looking for WQEC-27! I once saw WSEC-14 - once - with a test pattern.

Note # 6 - zzz...

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

Equipment:

Icom R-7000, 1981 Magnavox b&w TV, Antennacraft ch 3 5 element yagi and 10G205C preamplifier at 25' and Channel Master 7' dish and BT CMA-Uc preamplifier at 28'.

Antennas down for winter. Put antennas back up on April 17.

April 1994	May 1994	3 tr 0415 K62-- 62-?? 285°
18 gw 1030 unid 14+HBO n/w	3 tr 0410 K61-- 61 ?? 285°	(Unknown KUSA- 9)
(See Note # 1)	(Unknown KGWN- 5)	(See Note # 4)
25 tr 0715 KHNE 29 NE 390	(See Note # 3)	0420 K03-- 3 ??
0720 KPTM 42+NE 490	(Unknown CNH)	(See Note # 5)
(See Note # 2)		

Note # 1 - The channel 14 conundrum continues! KGWC is minus offset and regular tropo scatter. KCIT is plus offset and occasional tropo scatter. Several unidentified translators of KGWC-14, KCNC-4, and KMGH-7 in the direction of Cheyenne and Laramie were recorded last year. Something with HBO (positive ID) was plus offset this morning and heard occasionally since, but not regularly. Could this be leakage from my local cable system whose lines are 100 yards away in the direction antenna was pointing?

Note # 2 - First tropo of the new season. Regular on tropos, KHNE, was strong and steady with good picture. KPTM was fair picture. Also worked two Omaha stations on 144 MHz. Video carrier noted from KBIN-32 and some eastern Nebraska translators.

Note # 3 - At 0900 same morning, positive ID "You are watching KGWN channel 5". Regular weak ground wave with good audio on R7000.

Note # 4 - Regular good audio, poor picture in same direction as line of sight K62BU (off air) on Badger Mountain to my west.

Note # 5 - CNN Headline News not parallel. Peaked south of west with good audio on R7000. Regulars KTVS, KSWS [? fm], and KREG were off air. Unable to hear when they are on. Will try to get ID.

Ernie J. Wesolowski, 13312 Westwood Lane, Omaha NE 68144-3543 (402-330-7758) CDT

Equipment:

KTV 13CNR-E 13" color, '84 RCA 26" color stereo receiver/monitor, '90 Signature 2000 19" receiver/monitor. Winegard UHF Model PR-9018, Winegard Chromstar Model AP-4800 preamplifier, Radio Shack antenna rotor. Antenna mounted in the attic (QTH on high terrain).

April 1994	18 tr 0930-1000	18 tr 0930-1000
3 tr 0930-1000	KMEG 14 IA 91	KTVG 17 NE 130
	KSMQ 15 MN 226	KSIN 27 IA 91
	KTIN 21 IA 135	KHNE 29 NE 115
	KYIN 24 IA 217	25 tr 0930 K39-- 39 ??
	KCPT 19 MO 166	KDSM 17 IA 127 (Unknown TBN)

Channel 39 TBN mystery - 200°. Maybe Lincoln, Nebraska?

[I presume you are correct in your guess that channel 39 TBN is Lincoln (K39AJ is licensed to Malcolm with an application to change its city of license to Lincoln). You are the first to report KTVG being on the air. Doug Smith has advised me that it is a Fox affiliate. fm]

Jeff Kruszka, 7706-M N Jefferson Place Cir, Baton Rouge LA 70809 (504-923-0196) CST/CDT

Equipment:

1992 Zenith "Sentry 2" 13" color TV (Model #S1318S). UHF: RDX Labs UA-900 preamp, Channel Master 4228A 8-bay @30 ft. VHF: Rabbit ears + quad loops for chs. 3 and 5. Mitsubishi HS-U31 VCR.

February 1994	6 tr 0139 KHSX 49 TX 375	7 Es 1710 @Cuba 6
25 gw 0715 K21DQ 21 LA 5	0148 WOFL 35 FL 595	1803 Cuba 4
(Baton Rouge LPTV)	KRRT 35 TX 475	9 Es 2015 unid 3 wk brief
	0156 KDFI 27 TX 365	
March 1994	0203 KDTX 58 TX 365	From Metairie LA:
4 tr 2132 KEDT 16 TX 425	0230 KVTN 25 AR 270	13 gw 2145 unid 49
2158 KVDA 60 TX 445	0239 WBHS 50 FL 550	(See Note # 2)
2245 KXAN 36 TX 395	0300 WKCF 18 FL 575	tr 2222 WFSU 11 FL 334
2330 KBVO 42 TX 395	0306 =KTBC 7 TX 395	2257 W47BP 47 MS 110
2334 KRRT 35 TX 475	0320 KMPX 29 TX 365	(Hattiesburg WMAH-19)
2340 KLRU 18 TX 395	(See Note # 1)	2302 WMBG 13 FL 265
2352 KWEX 41 TX 445	0427 KSAT 12 TX 445	WFSG 56 FL 265
5 tr 0026 KVEO 23 TX 500	0523 KDFW 4 TX 365	
0033 KLDO 27 TX 540	0555 KSLA 12 LA 220	Back in Baton Rouge:
0045 KORO 28 TX 425	0556 +KLRT 16 AR 305	16 gw 1910 unid 49
0049 K68DJ 68 TX 425	0606 @WFFE 24 FL 595	(See Note # 2)
(Corpus Christi TMD)	20 tr 0043 KHSX 49 TX 375	27 tr 2319 WMDN 24 MS 195
0053 KAVU 25 TX 370	0059 KDFI 27 TX 365	(See Note # 3)
0056 WBHS 50 FL 550		2347 KLDO 27 TX 540
2010 KLRU 18 TX 395	April 1994	28 tr 0002 KVEO 23 TX 500
KBVO 42 TX 395	4 tr 2254 WBBH 20 FL 620	0702 W45AA 45 MS 93
2028 KEDT 16 TX 425	2259 WCJB 20 FL 525	(Columbia WMAH-19)
6 tr 0117 KORO 28 TX 425	2318 WFTX 36 FL 620	WCOV 20 AL 315
0135 KLVN 23 TX 365	7 Es 1700 +Cuba 5	
0136 KTXA 21 TX 395	1704 @Cuba 3	

Note # 1 - New station in Dallas, verified on trip there during Easter. Religious programming. At the time listed, they were running "Worship" program with "TV29" supered continuously in lower right hand corner.

Note # 2 - Unid 49 in New Orleans, full power, testing with color bars. WCCL possibly coming back on the air soon?

Note # 3 - New station (WTZH with new calls/owners?). [Yes. fm] Saw with color bars and message on screen: "This is a TV-24 equipment test. WMDN will be broadcasting CBS programming on Thursday." At midnight they began broadcasting CBS programming and running the new IDs.

Some nice tropo March 4-6 as high pressure set up over the Gulf. "WBTR" (local W19AW) has added yet another outlet on channel 21 - why, I don't know; they already mess up five other channels for me.

A nice two hour solid opening into Cuba on April 7. Thanks for the tip Matt! Not much tropo to speak of. Still waiting for an opening to Memphis or Atlanta to add to my log totals.

Eric Bueneman, 631 Coachway Lane, Hazelwood MO 63042-1347 (NOUIH) (314-839-9751) CDT
Internet via DRKX13A@prodigy.com

Equipment:

Yorx 4.5" b&w TV/AM/FM/FM Stereo boombox, Archer VU-110 V/U/F antenna with Archerotor @ 33' agl.

April 1994	7 tr 2335 WSIU 8 IL 100	8 tr 0105 KMIZ 17 MO 105
4 tr 2000 KHQA 7 MO 90	(Now 24 hours)	9 tr 1800 WICS 20 IL 80
	KRCG 13 MO 100	8 tr 0043 KRCG 13 MO 100
	WAND 17 IL 110	0055 KOMU 8 MO 105

WSIU-8 was in at near-local strength with the antenna pointed toward southern Illinois, may become a regular now that I've got the Archerotor up and running. I put it up on April 3, and I am now able to get more DX than I did with the antenna pointed in a certain location. After only seeing skip into Florida and eastern Georgia last summer, it was high time I got one. Am I glad I did! 73 and good DX (hope there's a hex on the Blue Jays, hi!) from NOUIH.

William Draeb, 1304 Ellis St., Kewaunee WI 54216 (414-388-2350)

CDT

Equipment: See May 1994 Western TV-DX.

E skip got under way on schedule on April 30 despite the snowstorm that dumped about an inch on us. I hope it's a productive season. Tropo action has been practically nil.

April 1994	30 Es 2047	WCBdt 2 SC	2 tr 2030	W40AK 40 MI 110
7 tr 1718	WFTet 58 IN	2054 WECTt 6 NC	(Muskegon	LPTV)
	(cci on WDJT-58)		(Snow free)	
23 tr 2005	WNIT 34 IN 208	May 1994	Lake shore	LPTVs
30 Es 2047	WVAY 3 NC 885	2 Es 1216	KBTX 3 TX 1079	3 Es 1215
	WUNC 4 NC 785		("Mid-Day Mag.")	KDFW 4 TX 952
	WCIV 4 SC 900		KPRct 2 TX	KXAS 5 TX 960
	WFMYt 2 NC	1225	KETSt 2 AR	KDTN 2 TX 952
				unids channel 3

Frank Aden Jr., 4096 Marcia Place, Boise ID 83704 N7SOK

MST

Equipment:

TVs: 27" Magnavox Color Monitor, 19" RCA color, 13" BMC color monitor. VCRs: JC Penney VHS (I believe this to be made by RCA), Radio Shack #45 Hi-Fi MTS VHS, Hitachi Hi8 VM-39A Camcorder. Antennas: Radio Shack 11 element VHF, Winegard SC65 (ch 6). Winegard 20dB VHF preamplifier. HI Q filter for ch 6 (for ch. 5 E skip). Antennas at approximately 25' with rotor.

April 1994

1 Es 0030 KWQvt 2 CO
KTVSt 3 CO

This opening seemed to take right off and MUFs went up into FM, but was gone by 0230. Early start?

As of May 2, no E skip has been seen, but it does not usually start here until the 15th or so. I am hoping that my channel 6 filter will help out on E skip and meteor scatter for channel 5.

Have started some tests on my 439.25 ATV transmitter. So far so good, but have not yet checked on signal reports and distance. Output is about 10 Watts.

73.

Todd Emslie, 13 Warren St, Ryde, Sydney, Australia 2112

AEST

Equipment:

ICOM R7000 VHF/UHF receiver, AOR AR-3000 scanner. DX Labs UA700 VHF preamp (used in shack). 5 element 45-54 MHz yagi (hor), 8 element 88-108 MHz FM/TV Triax yagi (hor), 14 element 175-220 MHz ch 6-11 highband TV (vert), Emotator 105TS rotator used to rotate above ariels on 1st mast. 14 element ch 6-11 yagi (hor), 54-70 MHz 5 element yagi (vert), 8 element 88-108 MHz FM/TV Triax yagi (vert), Kenpro KR400 used to rotate ariels on 2nd mast. Two National TR505DU 5" b/w TVs modified with outboard selectivity modules to narrow vision IF, Toshiba C531 5" colour TV, outboard varicap tuner Toshiba EG522F. Sanyo Beta and Telefunken VHS VCRs

December 1993

4 F2	1459	JH1, JF3 50.11 MHz amateurs Japan	3400
	1722	E2 (48.24 MHz) Genting Sempah Malaysia	5000
10 F2	1747	C1 (49.75 MHz), C2 (57.75 MHz) China several transmitters	760
Es	1703	ABNS1 (57.25 MHz) Port Pirie South Australia	740
	1812	RTQ0 (46.17 MHz) Toowoomba Queensland	1005
	1800	ABTQ3 (87.25 MHz) Townsville Queensland	1400
18 Es	1800	NZ ch 1 (45.45), ch 2 (55.25), ch 3 (62.25) New Zealand	1400
	0830	FM MUF @ 98.8 MHz New Zealand	2700
28 2E	1450	A2 (55.2474 MHz) KVZK American Samoa	2700
		A2 (55.2474 MHz) KVZK American Samoa	2700

January 1994

4 2E	1111	FM MUF @ 97.4 MHz Fiji	2000
	1205	A2 KVZK American Samoa	2700
7 F2	1629	E2 (48.24 MHz) Genting Sempah Malaysia	3400

Todd Emslie (continued)

9 2E	1230	ch 2 (64.25 MHz video) ABW2 Perth Western Australia	2050
Es	2030	ch 4 (95.25 MHz video) ABT4 Tasmania	610
10 Es	1410	ch 0 (46.24 MHz video) ABNT/0 St Helens Tasmania	600
	1440	ch 3 (86.25 MHz video) ABNT3 Launceston Tasmania	596
		ch 1 (57.25 MHz video) ABNT1 Wynard Tasmania	600
16 **	1630	A3 (61.2491 MHz video) unid Pacific **multi Es	
2E	1605	A2 KVZK American Samoa	2700
17 2E	0837	A2 KVZK American Samoa	2700
	0952	FM MUF @ 92.1 MHz (KSBS American Samoa)	2700
Es	1051	GTS4 (95.25 MHz video) Port Pirie South Australia	760
2E	1317	FM MUF @ 97.4 MHz Fiji	2000
	1329	FM MUF @ 92.1 MHz (KSBS- American Samoa)	2700
F2	1815	E2 (48.25 MHz video) Malaysia	3600
Es	2142	ABRS3 (86.25 MHz video) Loxton South Australia	606

February 1994

7 Es	1007	RTQ0 (46.17 MHz video) Toowoomba Queensland	740
		TVQ1 (57.25 MHz video) Bowen Queensland	900
		STQ1 (57.24 MHz video) Gympie Queensland	491
19 Es	1111	ABSQ1 (57.2602 MHz video) Warwick Queensland	400
F2	1628	C1 (49.75 MHz video) China	5000

March 1994

16 F2/TE	1902	C1 (49.75 MHz video), C2 (57.75 MHz video) China	5000
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April 1994

4 Es	0848	NZ chs 1, 2, 3 New Zealand	1400
F2	1121	C1 (49.75 MHz video) China	5000

This is my first contribution to the Western TV-DX column since joining the WTFDA. I did receive a brief mention in Anthony Mann's report back in the March 1986 Eastern TV-DX column.

In 1979, I installed my first outside rotatable yagi ariel for TV-DX. I was 15 years old and still at school at this time. Within a year of installing the yagi, several countries were noted on TV including BBC ch B1 audio (England), TDF ch F2 audio (France), ch R1 Vladivostok (Russia), ch C1 (China) and ch E2 (Malaysia). I first heard about the WTFDA through reading Roger Bunney's TV-DX column in the English magazine Television. In 1986, Anthony Mann visited my place and gave me selected photostats and spare issues of the DX Digest covering 1978-1986. In particular what caught our interest were the trans-oceanic TV-DX reports from James Stiles (Okinawa), John Combs, Jerry Pulice, Rich Turcsany, Glen Jacobs (eastern states) and Pat Dyer (Texas).

Our November to February E skip season provided several high MUF double hop openings up to 95-100 MHz. The above loggings only include selected highlights.

Since I have been videotaping TV-DX since 1983, a large collection of DX material has been kept on video. I am interested in swapping a 3 hour VHS video tape containing Australian and overseas TV-DX material which includes test cards, logos, and station sign on/sign offs in exchange for a 3 hour VHS tape containing the same type of material recorded by overseas TV-DXers. Correspondence is also sought from other DXers who are interested in transcontinent or transoceanic TV-FM DX. I can be contacted by writing to the above address.

Randy Miltier, 1185 Linda Ave, Ashland OR 97520 (KK6TQ) (503-482-2314)

PDT

Finally settled here in Ashland. I still work in Santa Clara, California, so I commute once a week from Ashland...about 400 miles. I hope to retire within the next year. This means I DX in Santa Clara on a 12" Quaser with a dipole antenna...no frills! In Ashland, I just put up (like today, May 3rd) the Channel Master 1160A on an HD-73 rotor. I might add the 6 meter yagi to this mast, but have to see how the 1160 holds up next winter...the winds get nasty here occasionally. It will be interesting to see what a move 400 miles north will produce. 'Til next time.

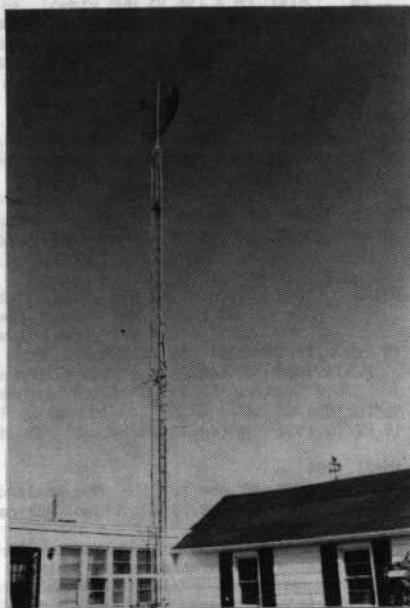
DX from Santa Clara CA (12" Quaser color with rabbit ears):

April 1994

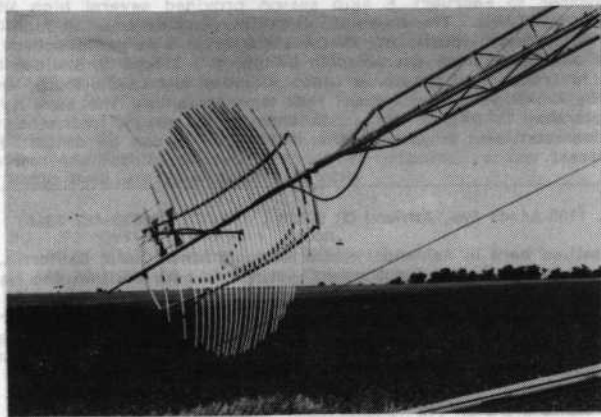
26 Es	1401	unid ch 2 Spanish, ID with "2" in a box (see CCI)
	1720	unid ch 3 "Wheel of Fortune" (see CCI)
	1743	CKCK 2 SK 1250

Our first reporter is: Bill Eckberg -- Dixon Illinois. Equipment: 1966 Zenith b&w receiver model CH 14N22 with modified UHF tuner. Channel Master 1110 Quantum VHF antenna with RDX Labs UA-700 preamp up 41 feet on a Rohn tower. Channel Master 7' UHF dish with RDX Labs UA-900 preamp up 52 feet on a Rohn crank up tower. Jerrold CAC-11 feed for both antenna.

Picture in photo at right are a Channel Master 7 foot UHF dish 80% screened at 52 feet to feed point, 58 feet to top of lightning rod. The preamp is a RDX Labs UA900 ; designed, built and sold by Jim Dietrich -- Derby Kansas. Rotating the UHF dish is a Yaseu G-400RC rotor. All are mounted on a Rohn tilt-over tower. Feed line is Jerrold CAC-11 coax cable. " By far best setup to date ".



Below is a close-up view of the UHF dish (on tilt-over tower) with a different screening method. I used elements from another Channel Master dish. Took three (3) hours to do, is neat, stronger and added five (5) pounds to total weight. It's been up 6 winter months; no problems. Dramatic increase in directivity on all UHF channels and gain on channels 60-69. " Why didn't I do it 35 years ago "?

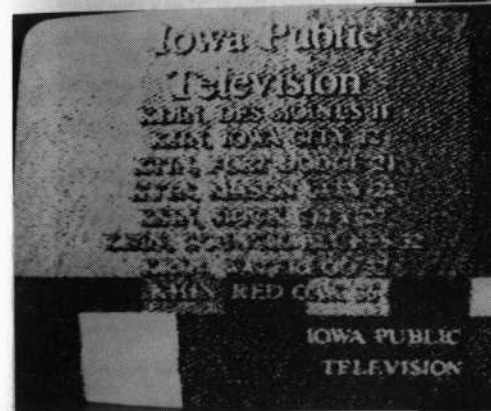


more of Bill Eckberg 's antenna setup plus some of his dx photos next month.

Robert Kramer -- Chicago Illinois. Equipment: 1978 RCA 19" b&w set, Sony 19" color set, Mitsubishi HS-422UR stereo VCR. Archer U-120 UHF antenna up 68 feet and a V-185 VHF antenna up 58 feet, both with RG-11 feed. Three Archer 15-1113A adjustable preamps. Alliance HD-73 rotor. Camera equipment: Ricoh XRM 35mm loaded with Kodak T-Max 400 ASA b&w film.

KEMV-6
Mountain View Arkansas
486 mile tropo
seen July 4, 1993
at 0648 CDTime

photo at right



KDIN-11
Des Moines Iowa
309 mile tropo
seen July 6, 1993
at 0545 CDTime

Photo at left

KMEG-14
Sloux City Iowa
451 mile tropo
seen July 6, 1993
at 0610 CDTime

Photo at right



Thanks Robert for your dx photos.

THI next time Dave

ANTENNAnotes



by Dr. Feedpoint

So by now it's hoped that you all have a deep appreciation of how important a good antenna is for DX'ing on VHF and above. But...how the heck do we know just *how* good a particular antenna is? You know...how good is it compared to having no antenna at all? How good is it compared to something like a simple pair of "rabbit ears"? How does it compare with that old Sears "\$39.95 special" that Pa went for when he bought that first color TV way back when everyone just had to see what that goofy new "Batman" show looked like in color?

The function of the antenna is to provide your tuner with signal. The better the antenna, the more the signal—generally speaking. The more signal that the antenna can give you, the more GAIN it is said to have. The higher the antenna gain, the more signal it can deliver at the tuner, for a given signal strength.

Under normal conditions there can be some signals present just about 100% of the time at the level of your roof that are too weak to listen to on FM, or too weak to produce a locked-into-sync recognizable picture on TV if you were sitting up there with a pair of rabbit ears or the ribbon twinlead dipole that came "free" with your tuner as it came out of the box. For the sake of argument, let's just say those "ears" or that piece of ribbon twinlead has a relative signal gain value of "1" on a scale where "1" means "times one."

If you want to have any hope of turning that rooftop ambient signal into something you can use, watch, listen to, sing along with, cuss at, etc., You have got to have MORE of it. This is where the concept of a "gain antenna" comes into play. Years of research have produced those elaborate aluminum arrays we have all come to know and love and lust after, because when properly installed, they will offer significant "gain" over those aforementioned simple rabbit ears and ribbon dipoles.

A top-line "deep fringe" antenna, placed up at the same point on the roof where you were sitting with those rabbit ears, could easily provide your tuner with TEN (10) times the signal that was available from just the ears. This kind of thing makes a big difference. Signals formerly unreadable or unrecognizable now "lock in." The number of signals you can recognize across the band increases. Long distance DX opportunities now abound. Thus, we have demonstrated what increasing antenna gain does.

In our little comparison, we used the examples of the rabbit ears or the ribbon twinlead dipoles as the basic antenna. In practical applications, engineers also have specified a standard reference antenna upon which to base all their gain measurements. This hypothetical standard antenna is the half-wave dipole. The length of an actual half-wave dipole would depend upon its design frequency or channel. Thus, in the real world, such a reference dipole would only be built for a single channel. When built according to a standard design, this dipole would exhibit *unity gain* or a gain factor of exactly 1.000 at that frequency.

The best way for engineers to communicate gain values to each other came to be through use of the decibel system, originally developed to measure audio power. The decibel (abbreviated as "dB") is used in electronics as a quick and easy way to express the ratio between two values of power, or the ratio between two voltage values across a standard impedance.

The dB system is based upon logarithms, and without getting too deeply into theory, let me emphasize one very important thing to remember in understanding it: when you are expressing something in dB, you are not talking about how much; you are talking about how many times. With dB, it's all relative. On the one hand, 100 volts is 100 volts, pure and simple. Or you could say 1000 watts is 1000 watts, and that's that. However, 10 dB gain means nothing at all in terms of amount UNLESS you first have a reference to base it on. "My antenna has 10 dB gain..." will not have any real meaning as a statement unless it is first understood that the 10 dB gain is referenced to a standard. That standard, for our purposes, has got to be the aforementioned standard half-wave dipole cut for the particular frequency or channel in question.

ANTENNAnotes..

The amount of gain that any antenna offers is determined by its design. Most all successful VHF antenna designs, and quite a few of the UHF ones, are based upon the half-wave dipole and its refinement, the Yagi-Uda antenna. There are TV and FM antennas on the market that have 0 (that's ZERO) dB gain or less in their design range. Does this surprise you? Well, it shouldn't. Keep in mind that the dB system of gain measurement is relative, with 0 dB gain equal to UNITY GAIN or a gain factor of 1. Thus, you can have a 0 dB gain antenna and still pick up signals, and in fact, a pair of those aforementioned "rabbit ears" often will only show about -0.7 dB gain on the best channel.

Using an antenna to DX frequencies well outside of its design range or resonance often doesn't produce very good results; the reason why could be seen by measuring gain on the frequencies concerned (admittedly, this is easier said than done, but is possible using accurate test equipment in the shop, such as a field strength meter). You might have a channel 13 cut-to-channel yagi that you try to use for DXing on channel 2. That yagi could offer about 10.5 dB gain compared to a reference dipole on channel 13 (such as the General Instrument J105-13 MATV model). Trying to use it down on channel 2 though, would be difficult. You'd find this antenna's actual gain at that channel to be well into the negative numbers, indicating that even a pair of rabbit ears would surpass its channel 2 performance.

Most DXers probably would not go to the trouble of using a cut-to-channel antenna for each channel or frequency of interest. The optimum installation would have antennas for each band instead. This means TV DXers would use a broadband antenna for 54 to 88 MHz (TV channels 2 through 6), another one for 174 to 216 MHz (TV 7 to 13), and finally a UHF model for 470 to 806 MHz (TV 14 to 69). FM DXers need a model to cover just 88 to 108 MHz—and would do well to avoid DXing that band with most kinds of broadband TV antennas, since the models designed for TV often show sharp gain "roll-off" above 88 MHz. In fact, some of them are designed to do this on purpose, to minimize potential FM broadcasting interference to channel 6 TV.

Gain is a concept best understood by the engineer and the technician. For that reason, antenna manufacturers seem to go out of their way in avoiding it when it comes down to dealing with consumers. This leads us to the somewhat sad situation, in the mid-1990's, of most all "top-line" antennas marketed more to the installer than to the consumer. What this has produced is bizarre "mileage" ratings for TV antennas sold at Radio Shack, Wal-Mart, etc. These ratings are also, in and of themselves, relative. The Radio Shack approach is to display the antenna something like this: "Model VU-110 - for reception up to 110 miles." Huh? Does that mean 110 miles in *free space*? Over water? On the moon? Nobody at Radio Shack seems to know. Their best model for VHF is called the V-185. Trust me—you won't meet too many people who use it to regularly to watch TV signals over a 185 mile path. If RS ever finds out about E-skip, will they start calling it the V-1200? Actually though, Radio Shack just followed the trend in making mileage claims for their antennas; this kind of thing started a long time ago when the "marketing guys" for many manufacturers realized that the general public really doesn't know how to interpret dB gain claims and ratings.

So the do-it-yourselfer, and this means YOU, the DXer/experimenter, has to "dig" a bit to find out the "specs" when it comes to antennas. Actually, that's not such a bad thing. The more you understand about antennas, the better the choices you are qualified to make. Remember the above example of using the channel 13 yagi to DX channel 2? Well, it may seem like a good idea at the time, but understanding how lousy the gain at channel 2 actually is on a channel 13 antenna is enough to prompt you to make a better choice - like actually whipping out those rabbit ears instead, or better, getting yourself a lowband or broadband antenna better suited to the task.

Getting the spec sheets on a particular model of antenna is often tough-to-impossible for anyone who is not a dealer/installer. That's usually not too much of a problem for all but the most fanatical enthusiasts. A better way is usually to find out what kind of top-line antennas other enthusiasts are using with good results and to get one for yourself. It's important, too, to consider the fact that most moderate sized all-channel antennas will be capable of receiving some DX signals. Serious DXers found out long ago that the best VHF results can be had from the top-line VHF-only antennas offered by major manufacturers such as Winegard, ChannelMaster, General Instrument, AntennaCraft, etc., often coming within a dB or so of each other on the gain curves, but with important differences in other specifications such as bandwidth, beam patterns, and so forth. These differences are all due to the variety of designs each company uses to maximize gain. In fact, most TV and FM antennas are actually "hybrids" of the Yagi-Uda and Log Periodic antenna principles.

Finally, you will find that boom length will always play a big part in the design of a high performance antenna. Usually, the longer the antenna boom is, the better it tends to be for DXing, and for reasons more than simply increased gain. Problems arise when a manufacturer takes an antenna design and shortens overall boom length to reduce the unit cost. True, the number of elements in the antenna are what, for the most part, determines the antenna gain; but proper spacing of the elements is most critical in the Yagi-Uda to achieve the best gain for the length of boom involved.

In the next column, we'll look at some other antenna specs you might encounter—and what they mean.

LIGHTNING AND E-SKIP: THE 'CULPRIT' REVEALED AT LAST?

by Larry Curcio

Sporadic-E type signal propagation is the thing that brings in long distance channels 2 to 6 DX, FM broadcast band DX, and AERO band DX most mornings in late Spring and early Summer. But all the "official" findings published about what causes it deny the obvious, which has been suspected by many people for a period of many years. It's like who really killed Kennedy...somehow, you know THEY know but they won't admit it.

Well the cats' now out of the bag, so to speak. VHF ham radio operators observe and use Sporadic-E skip themselves, mostly on the 50-54 MHz 6 meters ham band, usually at the same time we DX'ers have good TV skip DX.

Ham Radios' excellent magazine CO has been featuring the "VHF PLUS" column of Joe Lynch, N6CL, who hit the nail right on the head during this winter when he first revealed the publication of research on the very thing we DX'ers have suspected all along.

Aviation Week magazine, the famous and well respected aerospace publication, featured a report, "NASA Confirms Odd Atmospheric Flashes." in its 10-18-93 issue (it can be found in many libraries). The report details how two ionospheric scientists, Drs. David Sentman and Eugene Wescott studied and even managed to photograph HIGH ALTITUDE lightning flashes during summer '93. Around the Kansas/Nebraska border at an altitude of 40,000 feet along a line of severe thunderstorm activity, extending very high into the ionosphere! Of interest is the fact that there appeared to be about one "upward" strike for every 300 of the conventional cloud/ground or intercloud lightning flash.

It is theorized that these flashes extend upward as high as the 60 to 65 mile height of the "E" layer, the place where, of course, sporadic E skip ionization clouds or "patches" were heretofore somewhat mysteriously formed! Everything from meteor dust to wind shears usually is blamed for causing E skip cloud or concentrated ion patches to form in the layer. These patches are the actual "mirrors" that reflect DX signals back to Earth.

TV DXers very often see stations coming in from an area where there seems to be heavy thunderstorm activity either (a.) imminent or (b.) occurring. In fact, in typical late spring/early summer sporadic E openings, this seems to happen more often than not. Personally speaking, my longest and shortest E-skip catches from Lynn, Mass. were stations that just "happened" to be showing severe thunderstorm and tornado warnings, such as I've seen on Omaha, Nebraska and Wilmington, North Carolina channel 3 stations.

I have also noticed that the early morning "Today Show" type weather maps they show daily often will give you a good idea of where a day's E-skip is going to come from. Just watch them, and notice the areas posting severe weather warnings. Later in the day, usually starting about 10-11 a.m. you will see and hear E skip DX coming FROM THE SAME AREAS! Coincidence? You be the judge.

More research is being conducted, and exciting developments include suggestions that somehow the "D" layer of the ionosphere may also be involved in the process that results in sporadic E skip. Up to now, that was the "good for nothing" layer that absorbed signals, often hampering signals at the HF (SHORTWAVE) frequencies. Final "official" conclusions may still be years away—but I personally feel that now the "lid" has been blown off the so-called sporadic E skip "mystery." Now, if those of us involved in DX research would only look closer at previously ignored trans-Oceanic E-skip openings, maybe the whole story about sporadic E-skip can finally be told!

-73 de LC

URBAN SIGNAL DIFFRACTION EFFECTS

by Robert Twomey

I read Frank Aden, Jr.'s article on knife edge refraction (KER) propagation in the October 1992 V.U.D. with great interest. I have seen the phenomenon while vacationing in Colorado, and can attest that the effects really are remarkable, with TV stations one should not be able to receive being watchable in places where one might least expect! A similar effect can be heard on a car FM tuner, although it should be noted some Denver area stations have extremely high transmitting antennas, adding to the result.

I wonder, though, how many DXers outside of large urban areas are aware of similar effects caused by man made structures. High-rise office buildings and water storage towers do produce some interesting results. Science tells us that electromagnetic waves of all lengths diffract when they have a radioopaque object such as a building or mountaintop in their paths of travel. Much of the ghosting one can see in a TV picture, especially in the New York City area and to a much lesser extent places like Boston (and even Albany, New York with its South Mall State Office Complex) is due to such buildings. Yet, there must be away to exploit the existence of these buildings to the DXer's advantage. If any of our reporters out there has been able to use a building, or water tower, etc., as a DX reflector, getting long distance reception reflected from the structure in a situation where it could not be seen on a direct path, I would like to see details of this. Perhaps someone can come up with formulae that we could all use to predict where this effect might take place, based upon the height of local structures.

FM STATISTICS

Featuring FM Scoreboard, All Time FM Distance Records, States Stats and Personal Best Statistics of FM DXers. (Column issued bi-monthly, 1994 Deadlines: July 5th, Sept 5th and Nov 5th)

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UPDATED 5/16/94		FM SCOREBOARD - ENTRIES CUTOFF - 1990													
DXER NAME	DXER LOCATION	TOTAL	88-92	ES	MS	AU	USA	CN	MX	FO	TPU	YB	AS	OP:	
DYER	PAT TX SAN ANTONIO	2534	403	2071	67	0	44+	4	21	5	75	70	02/28/92		
STROBEL	RALPH IN MUNCIE	2200	586	699	175	7	43+	7	3	2	56	72	12/31/93		
BUNTIN	DANNY OK STILLWATER	1986	331	1175	4	0	48+	5	9	2	65	74	01/02/94		
MERRILL	FRANK IL MACOMB	1963	?	804	8	8	47	8	6	2	63	?	07/19/92		
PUGH	KEITH AL NEW HOPE	1907	297	964	95	18	46+	7	11	5	70	83	02/23/94		
EBELING	JOHN MN BLOOMINGTON	1782	306	1016	51	83	47+	6	5	0	59	52	01/01/94		
ELVING	BRUCE MN DULUTH	1750	318	1375	9	8	47+	4	1	0	53	48	02/10/92		
FELA	JOSEPH NJ S. PLAINFIELD	1717	378	912	2	10	37+	6	0	3	47	68	04/10/94		
CONIGLIO	GREG NY WILLAMSVILLE	1701	300	843	24	38	41+	8	2	4	54	85	12/09/93		
NORQUIST	FRED NY CLAY	1645	345	805	48	59	41+	5	0	3	50	69	12/14/93		
BUGAJ	MIKE CT ENFIELD	1593	234	970	25	23	37+	5	1	3	47	74	01/11/93		
NIEMAN	DAVID NY AKRON	1512	409	467	53	27	43+	8	0	3	55	59	11/07/93		
MCCORMACK	FRED ND FARGO	1339	305	990	3	52	48+	6	3	0	58	74	08/03/90		
SEYBOLD	BOB NY DUNKIRK	1326	212	611	0	2	45	8	3	3	59	58	06/24/90		
EBELING	JOHN MN PROSIT	1291	246	840	4	6	48+	9	2	0	60	75	01/01/94		
JEFFERSON	JOHN CA DIABLO REGION	1212	274	705	?	1	29	4	6	0	39	74	11/14/92		
ALLEN	DOUGLAS CO WOODLAND PARK	1122	168	854	83	19	40	5	4	0	49	88	08/24/93		
HAWK	MIKE NE OMAHA	1080	203	491	29	0	47+	4	4	0	56	91	08/04/93		
SMOLAREK	BOB NJ OLDWICK	1046	175	458	2	4	36+	4	0	2	43	78	01/10/93		
BRUMFIELD	DAVE IN RICHMOND	897	165	325	15	0	36	4	2	2	44	81	09/01/91		
HOLBROOK	HANK MD DUNKIRK	884	233	234	19	0	35+	7	0	3	46	59	03/21/94		
SHAFTAN	RICHARD NJ ROCKAWAY	882	183	313	10	0	34+	4	0	1	40	78	11/30/93		
MICHALEK	ALAN MA SPRINGFIELD	812	106	495	0	0	36+	5	0	0	42	52	10/01/90		
ROSS	ROBERT ON LONDON	760	214	308	0	0	34	7	0	2	43	76	07/27/92		
OETTING	DANIEL PA EXTON	756	190	250	9	2	34+	6	0	0	41	77	06/07/91		
STEINBERGER	RICHARD MA HUDSON	736	155	329	12	6	35+	4	0	0	40	58	05/01/94		
SIEGEL	GARY OH TOLEDO	718	156	149	0	0	32+	5	2	1	41	76	04/10/94		
JEFFERSON	JOHN CA ANTIPOCH	710	172	358	43	1	21	4	4	0	29	88	11/14/92		
GREENE	GEORGE OH AKRON	706	54	234	0	0	33+	3	0	0	37	71	03/09/91		
SITTEL	MATT FL TALLAHASSEE	701	103	206	1	0	34	2	3	2	41	92	10/21/93		
BRUMFIELD	DAVE IN MUNCIE	682	149	65	1	0	29	1	0	1	31	79	03/01/90		
HALL	D. BRUCE ON BRANTFORD	670	121	69	96	2	39+	5	1	2	48	90	07/10/93		
WISEBLOOD	STEVEN TX BROWNSVILLE	652	146	191	4	0	27	0	8	7	42	92	03/08/94		
NIENAJADLY	BILL NJ CLIFTON	640	103	235	8	0	34+	2	0	1	38	75	01/30/92		
NIEMAN	DAVID NY ROCK CITY	597	135	44	4	0	25+	2	0	0	28	91	11/07/93		
MEADE	LARRY IL CHICAGO	459	85	65	6	0	23	2	0	0	25	79	09/05/90		
SITTEL	MATT NC RALEIGH	456	66	164	0	2	23+	1	3	0	28	88	01/02/92		
NOLLMAN	BILL CT NORWICH	453	46	155	17	0	31+	9	0	1	35	81	11/24/91		
MORGAN	GIL MO STOCKTON	435	74	3	2	0	19	1	1	0	21	93	03/04/94		
BRANDENBURG	TODD KS SILVER LAKE	418	68	58	1	0	27	1	0	0	28	80	07/14/92		
GEORGE	PETER MA STOUGHTON	319	67	95	20	2	35+	5	0	0	41	67	06/02/93		
MANCUSO	GUS MD CHEVERLY	318	55	61	0	0	23+	0	0	0	24	70	06/07/92		
HEPBURN	WILLIAM ON BRAMPTON	309	183	83	1	6	21	2	0	1	24	85	11/10/91		
REMPF	JIM NY ROCHESTER	282	70	51	0	0	20+	2	0	0	23	76	07/10/92		
MANCUSO	GUS WV BIRCH RIVER	248	28	4	0	0	15	0	0	0	15	87	06/05/92		
MOUNT	PAUL NJ BIRCHMOUTH	195	25	20	0	0	17+	0	0	0	18	90	06/17/92		
JEZIORSKI	MIKE FL CRESSENT BEACH	191	38	29	0	0	17	1	0	2	20	93	07/25/93		
TUDENHAM	JOHN MO JOPLIN	178	15	1	0	0	10	0	0	0	10	91	01/17/94		
ONYSCHUK	KEN IL STEGER	168	35	0	0	0	7	0	0	0	7	68	08/09/93		
MEADE	LARRY KY PRICE	165	35	0	14	0	10+	0	0	0	11	79	09/05/90		
WHEELER	FRANK PA ERIE	162	23	2	0	0	8	1	0	0	9	64	08/20/90		
REMINGTON	SHEL HI KEAAU	135	19	0	1	0	2	1	0	3	89	05/02/94			

* VERIFIED.

COLUMN DEFINITIONS: are as follows: Total = Total number of FM stations logged from DXer's location (All loggings should be received within 25 mile radius of this location to count.) Freq. changes count as a station, call letter changes DO NOT count. Also count a station only once regardless if logged by different propagation modes. 88-92 = All stations logged from 88.0 to 91.99 Mhz. Es=Total number of stations logged by E-skip. MS=Total by meteor scatter. AU=Total via Aurora. USA=Total number of states and the "+" = Washington, DC. CN=Number of Canadian provinces logged. MX=Number of Mexican states logged. FO=Number of foreign countries, but not Canada/Mexico. TPU (Total number of political units)=Sum of USA CN MX and FO. YB = The year you began DXing from this location. Other groundrules for computing log totals are included in AUGUST 88 VUD Page 48. Note: Now is the time to update and submit your latest stats to keep on the Scoreboard. Also submit any distance records, states stats and personal best statistics. Laserjet printouts of personalized DX distances covering FM/TV North/Central America and Caribbean cities, with choice of miles or kilometers, are available for only \$2 donation. Include your DX location and grid coordinates with your order. 73...Fred.