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WORLDWIDE O BOX 17333 - ASHEVILLE, NC 28816 - U.S.A. TV-FM DX ASSOCIATION

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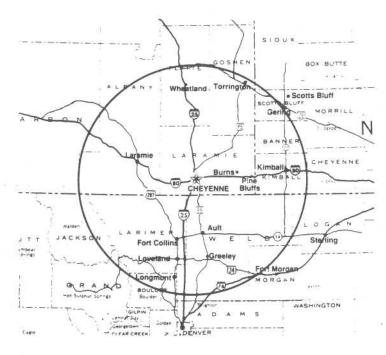
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The Official Publication of the Worldwide TV-FM DX Association

FEBRUARY 1997

COVERAGE





- KMUS coverage map
- 50 microvolt per meter coverage contour (34 dbu)
- one inch = approximately 40 miles

Tower Co-ordinates

11111

No. Lat 41 We. Lon 104

07' 01" 07" 40 '

11/97 BILL NOLLMAN 35 NYE RD GLASTONBURY (A 06033

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WORLDWIDE TV-FM DX ASSOCIATION

SERVING THE VHF-UHF DX ENTHUSIAST

THE VHF-UHF DIGEST IS THE OFFICIAL PUBLICATION OF THE WORLDWIDE TV-FM DX ASSOCIATION, DEDICATED TO THE OBSERVATION AND STUDY OF THE PROPAGATION OF LONG DISTANCE TELEVISION AND FM BROADCAST SIGNALS AT VHF AND UHF. W.T.F.D.A. IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK, AND BILL THOMPSON.

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FROM THE STAFF:

PEACHY! Our 1997 convention in the 'Peach State' is beginning to take shape. As to dates, August 1, 2 and 3 are tentative but will likely become official soon. Host John Broomall is in the process of firming up details. Before making a final announcement, he would like to hear from WTFDA members regarding their preference of a meeting site in or near Atlanta, or in the North Georgia mountains near Cohutta. Any other suggestions, ideas, or questions are also invited. Please direct your comments to him at 715 Wood Terrace Court; Doraville, GA; 30340 (fax 770-840-7707). At present John does not have an e-mail address (he says his computer is 'possessed'). Note: Convention coordinator Tom Bryant is giving John a hand with this informal poll, and some of you have already responded to an e-mail note on the topic. You may contact Tom at 102037.452@compuserve.com.

LOOSE ENDS: During 1996 several proposals to improve and streamline the WTFDA were successfully implemented. Meanwhile, a few projects have gone adrift or fallen through the cracks. Jump-starting these programs is a high priority for 1997. Among areas to be activated are the cross-promotion arrangements with the major AM DX clubs; and a study to determine why our membership is dropping. An effort to get former members back on the club roster is being considered.

WTFDA Mailbox

Worldwide TV-FM DX Association PO Box 17333 Asheville, NC 28816-7333

February, 1997 Edited by: Matthew C. Sittel. E-mail: 76255.2171@Compuserve.com

February, 1997 Renewal\$ Due:

Marty Barvinchak, James A. Brown, Jr., John D. Buehler, Dan Cashin, Steven Cornell, Dan Dankert, Bill Dulmage, Nathaniel Ely, Harry J. Hayes, William R. Hepburn, William Higgs, Malcolm P. Hunt, Clay Jackson, Frank Merrill, Russell Miller, Joe Perge, John Zeis.

New members! Welcome!

Robbie Laird, Woods Hole, MA

* Lenny Goldberg, Ashland, OR

Danny Buntin says that WAFR doesn't have a "message from the heart". In my opinion, Rev. Donald Wildmon is one of the heroes of the Christian faith, often single-handedly fighting the profanity and immorality that characterize TV (and sometimes radio) today. I subscribe to the American Family Association newsletter, and use Lifeline as my long-distance carrier, which donates 10% of my bill to the AFA. WAFR is a mainstream Christian station, carrying such popular programs as "Focus on the Family". While TV Guide and Time might attack WAFR, I don't believe that the VUD should become a political or anti-Christian gossip sheet. If WAFR is cramping your DXing style, that's one thing, but please leave your hatred against the so-called "religious right" out of it. On the other hand, the "Family Radio" network and TBN television are hotbeds of false teaching that deserve to be criticized, albeit without hatred, please.

Next Buntin attacks pirate radio as further infringing on his right to DX. What would be wrong with having hundreds or even thousands of new stations to try and ID? Local or semi-local LPFM's could be nulled if necessary. I, for one, am ready to queue up at a moment's notice with my \$6,000, if low power FM becomes legal. The music I enjoy is not on the radio at all (50's and 60's doo-wop, R&B, gospel, rockabilly, mainstream jazz, and klezmer), at least not around these parts.

The thing that is hurting DX around here is translators. This is a hilly area, and so every broadcaster thinks they need a high-powered translator in every town. One station has 50 of them, effectively rendering the educational band useless. They all gang up their translators around their primary signal and make whole sections of the FM band unusable for DX.

What can we do about all this? We can buy more sophisticated equipment, we can move to the west coast of Vancouver Island, or we can dust off the old stamp or coin collection. But let's not find scapegoats to blame for the challenges of our hobby.

Mike Sanburn sends word of the 1997 IRCA Convention, to be held July 25-27, 1997 at the Holiday Inn Bristol Plaza in Costa Mesa, CA. Registration fee is \$35, and you can contact Mike for more information at PO Box 1256, Bellflower, CA 90707, or call Mike evenings at (310) 614-1444.

Also, if you'd like a sample copy of IRCA's publication, <u>DX Monitor</u>, send one first-class postage stamp to IRCA HQ, PO Box 1831, Perris, CA 92572. Thanks to Mike for this information!

That's all for this month. Until next time.

....73s Matt.

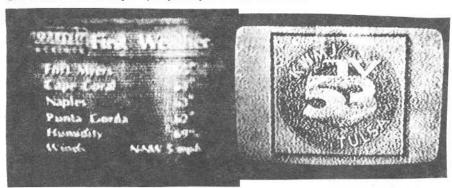


Jeff Kruszka, Editor 5024 S. Braxton Ave. Baton Rouge, LA 70817

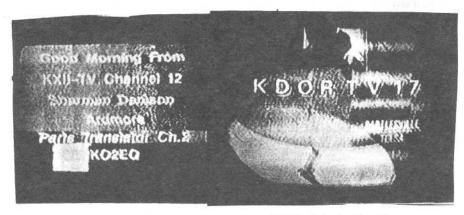
February 1997

Photos this month from yours truly:

Equipment: 1992 Zenith "Sentry 2" 13" color TV, Channel Master 4228A screened 8-bay w/RDX Labs UA-900 preamp for UHF, Channel Master 1114 Crossfire w/RDX Labs UA-702 preamp for VHF, both @20 ft. AGL. DX videotaped w/Sony Handycam model CCD-TR91.



WINK-11 Ft. Myers, FL 625 mi Tr seen 10/20/96 @2216 CST caught while local K11TT blinking on and off for 5 sec each KWMJ-53 Tulsa, OK 480 mi Tr seen 8/4/96 @0700 CDT



KXII-12 Ardmore, OK 430 mi Tr seen 8/4/96 @0617 CDT KDOR-17 Bartlesville, OK 515 mi Tr seen 8/4/96 @0800 CDT





EDITED FOR THE 'VHF/UHF DIGEST' BY TOM BRYANT, 849 TODD PREIS DR., NASHVILLE, TENNESSEE, 37221

Several readers have requested another reprint of a bulletin from the WTFDA's predecessor, The American Ionospheric Propagation Association. Pardon the poor reproduction, but keep in mind that the original copies from a mimeograph machine didn't look all that great in the first place. Read on for news of 40+ years ago.

| | BHIRIC PROPAGATION | A5317 | ##2世 Aurs.6,1956 |
|----------------|---------------------|-------------------|---|
| Volume 3, Numb | | | ed by Art Collins |
| New TV Grants | : IOOM: | | Applications: |
| MAY-TV Ch.2 | - Springfield, Ill. | | I3 Dureka, Cal. |
| Ch.2 | St. Paul Hinn. | 52.2Dr. 31.6Dr. | 5 Salem, Ore. |
| Ch-4 | Tew Orloans.La. | 10000 500W. | 9 Aberdeen, S.D. |
| MRAL-TV Ch.5 | Raleigh, N.C. | 100Mm. 50Mm. | IO Vail Mills, N. Z. |
| WIRL-TV Ch.8 | Peoria, Ill. | 3151M. 1581M. | 32 New Orleans, La. |
| Ch.8 | . Kalispell, Mont. | | |
| Ch.8 | Tilliston . T.D. | | Call Letters Assigned |
| . Ch. I | O CorpusChristi,T | en. 212Ku.106Ku. | 2 KOTI-(TV) Klamath Falls |
| Ch. 7 | 4 Oxford,Ohio. | | from KFJI-TV. |
| | O Baton Rough, La. | | 5 TTAL-TV Raleigh, N.C. |
| Oh.5 | S Greenfield, Mass | . 18.2Kw. 9.77Km. | 8 ROLO-TV Reno, Rev. change from RZTV(TV) |
| Ch.Shift | | | 9 HOLF-TV Flagstaff, Ariz. |

Ch.Shift KKLF-TV Butte, Mont. to 4 from 6

Hew TV's on in past-month.
WISH-TV ch.2 DaytonaBeach, Fla.
WISC-TV ch.3 Hedison, Mis.
GFCL-TV ch.6 Timmins, Ont. Canada.
WITW ch.9 Tupelo, Mis.
GFCY-TV ch.13 Charlottetown, P.J.I.
WIRI ch.55 Albany, T.I.

Target Dates Etc.

IDIN-TV ch.2 on about Oct.Ist. CBS-TV.

(IDIX-TV is in Dickinson, N.D.).

MCHT(TV) ch.7 Miani, Fla. testing as of now and plans July 29th start.

RUAN-TV ch.3 Agana Quam. start 8/5/56.

MSYN-TV ch.10 Elmire, M.Y. Start 9/15/56

MAIM-TV ch40 Anderson, S.C. ABC-TV 7/15,

THHT(TV) ch.5 Milmington, N.C. Cancelled their CP & call deleted.

Aug TV-DX Test. Arranged by Art Collins.
CJCB-TV Ch.4 Sidney, Nova Scotia. Will be on Sunday morning Aug. 26th.
starting at 3:00 to 4:00 A.M. EST. Test pattern and 400 cps.tone.
Will be running I80 Kw. in a S.W. direction of Sydney.
Kail reports to R.J.Norton, P.Chief Engineer. (Try for them)

Art Collins 68 Amber Street Buffalo 20, N.Y. New Hembers ddresses: Bernard H. Rauch John B. Clark Charles Rayner Jr. 502 East Hansas Ave. 300 5th St. P.O. Box 450 Peoria, Illinois Rock Island, Ill. Mariama, Arkensas James Howarth -Frank Groene Ed Hopp 504 W. Second St. 4512 W.Z. 57th Ave. Roswell, New Monico Portland 11, Oregon 84 Nower St. Worchester 2, less.

Ghislain Girard Ivon Harris Carlon Howington 248 Couture Str. 10 N.Hillside Ave. Box 427 Sweitzer Rd. Chatham, How Jorsey Uniontown, Ohio

Bill Echborg Wayne Blanton Russell R. Cain R.R. #2 Box 23 930 Dyons 2 vo. Walnut, Illinois High Rolls, New Hox. Rono, Novada

Larry W. Vohorn 1120 Allison Avonuo 8 Spoodway 24, Indiana 6

Charlos F. Hill 827 4th Avenuo Gallipelis, Ohio



FEBRUARY 1997

editor- GREG CONIGLIO 90 SLATE CREEK DRIVE - APT. 3 CHEEKTOWAGA, NEW YORK 14227

> E-MAIL coniglio@localnet.com TIP DEADLINE - The 10th

Many of the items listed in this column are taken from the publication: M Street Journal - P.O. Box 1479 - Madison, TN 37116-1479 PHONE (615) 865-1525 FAX (615) 865-2598 GA: granted amendment to table of FM

GE: station was granted extension of a CP

LC: filed for license to cover (for new stn.)

GX: granted replacement of expired CP

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 xmtr 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

NC: no change yet, on a reported pending grant/change. ND: non-directional NO: station is not on the air NS: a new station granted a license OSA: one-step application NW: new station signs on the air PA: proposed amendment to change table of allocations

allocations

MC: multiple-city legal ID

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: slogan change or update SI: station is silent

XA: disimssed amendment to the table of FM allocations

XC: station changes xmtr site XG: station granted a transmitter (xmtr)

PC>: a power change (increase)



UNITED STATES

ALABAMA:

Bay Minette: WAVH106.5CL to Daphne, AL granted Birmingham: WZRR99.5 NC to 100 kW.

1014' class C. GX

Birmingham: WYSF 94.5 CC (ex WMXQ), "Soft Rock"

Brantley: WDHT104.3 NO-GE

Butler: WQGL 93.5 NC to 32 kW, 610 ft, C2, GE WRJL 99.9 NW, southern gospel Eva:

Florence: WQLT107.3 CX CP for C1, 93 kW, 1017' Jackson: WHOD 94.5 PG> 30 kW, 640 ft, DA

XG: 31-28-59 / 87-47-27

Thomaston:*** 97.7 GA: add class A W242AF96.3 NS-27w: WKXN 95.9 Trov:

ALASKA:

Barrow: KBRW 91.9 LC

Houston: KADX 94.3 OSA to 94.7 - C2, 50 kW.

371 ft, XG: 61-29-03 / 149-45-52 Juneau: KAMT 100.7 NO-RE

Ketchikan: KGTW106.7 FC to country Valdez: 93.3 PA to add class A

ARIZONA:

Holbrook: K212EM90.3 NS-250w: WAFR 88.3 MS

KPUB 89.3 CC (NS) Prescott:

Willcox: 92.5 GA to add class C3 Willcox: KWCX 98.3 GA: to 104.9 - C3 Yuma: *NS 91.9 25 kW, 213 ft.

ARKANSAS:

Bald Knob: KKSY 107.1 PC> 19 kW, 305 ft, C3 KDEW 96.7 QG to 97.3, C2, 50 kW 272 ft, XG: 34-25-52 / 91-26-08 Forrest City: KARH 88.1 12.5 kW, 279 ft (AFA)

Jonesboro: KAOG 90.5 LC

6 noke: KMZX 106.3 NC to 50 kW, 492 ft, C2, RE

Arkansas:

Malvern: KISI 101.5 FC to Jones oldies (&) Mena: 105.3 GA for class C3 Pangburn: *** 99.1 PA for class A

Wilson: KAFW103.7 NO-RE

CALIFORNIA:

Avalon: KRCI 927 PG>6 kW Bakersfield: KTQX 90.1 PC<570w, 3621 ft, class B

XC: 35-27-11 / 118-35-25

Bakersfield: KSMJ 96.5 CC (ex KHIS), FC to smooth

Bakersfield: KCWR107.1 CC (ex KTIE), adds

Real Country (&) Calexico: KQVO 97.7 PG> 6 kW, 305 ft.

Central Viv: KNNN 99.3 NC to 4.2 kW, 1545', C2, GE

Coalinga: KNGS 100.1 NO-RX

Dunnigan: KLNA 105.5 RAw/Spanish contemporary E.Porterville: KOJJ100.5 NC to 2.1 kW, 1101', B1, RE

Escondido: KOWF 92.1 FC to classical (&) (S. Diego)

Fairfield: *NS 91.5 75w, 649 ft. Fairmead: "NS 91.1 15 kW, 256 ft. Felton: KHIP 93.7 NO-RE

Ferndale: KAJK 99.1 QC from 99.3, now C1

PC> 6 kW, 1715', XC: 40-30-03 / 124-17-08

KVSR 101.1 CC (ex KRBT), "Star 101" Greenfield: KSEA 107.9 NO-GE

Indio: KCRY89.3PG> 3 kW, class B1 Linsday: KZPO 103.3 NO-GE

Livingston: *NS 89.1 5.8 kW (v), 233 ft.

Los Angeles: KIBB100.3 PC> 15 kW, 1125 ft, DA

XC: 34-07-08/118-23-20

Madera: KMMM107.3 OSA to class B1, QG to 107.1, PG> 9.9 kW, 515 ft, XG

Morro Bay: KWWV 99.7 NC to 265w(cir), 1532 ft. DA. XC. RE





FM NEWS

California:

Orland: KRQR106.7 FC to modern rock (Chico) Paso Robles: K295AG 106.9 NS-40w(v): KFRB 91.3 Paso Robles: KDDB92.5 NC to 4.8 kW (cir), 1486', RE Quincy: KSPY 100.3 NW, variety (ranging from country, to jazz, among others)

San Luis Obispo: KZOZ 93.3 NC to 23 kW, (cir), 1548 ft., XC, RE

San Mateo: KCSM 91.1 PC< 11.5 kW (cir), 371 ft Santa Ana: KWIZ 96.7 FC to romantica (Anaheim) Santa Rosa: K238AF95.5 NS-250w(v), DA: KRAZ (?)

Santa Ynez: KAGA105.9 NO-RE

Selma: K211DA90.1 NS-120w(v): KMRO 90.3 Stockton: KJQN 89.5 CC (ex KSJC)

Thousand Oaks: KNJO 92.7 PG> 1.7 kW, 630 ft.



14 Central Coast Classic

COLORADO:

Estes Park: KEZZ 102.1 CC (NS)

Montrose: KKXK 94.1 PC> 100 kW, 1883 ft. 93.7 PA for class C3

KPRE 89.9 inc. to 351 ft.

CONNECTICUT:

E.Lyme: WXZR 98.7 FC to Jones adult alter. (&) Pawcatuck: WKCD107.7 FC to Jones smooth jazz (&)

DISTRICTOFCOLUMBIA:

Washington: WETA90.9 PG> 15 kW, 538 ft.

FLORIDA:

Arcadia: WWRZ 98.3 NC to 50 kW, 459 ft, C2 XC: 27-28-47 / 81-47-58

Belle Glade: WBGF 93.5 FC to Jones country (&)

DeFuniak Sps: WAKJ91.3 NO-GX, LC

Gainesville: W216AY91.1 NS-10w(v): WPCS 89.5 Graceville: WYDA101.7 LC

Holly Hill: WANX 88.1 NO-RE

Homestead: WXDJ 95.7 NC to 40 kW, 548 ft, DA, C2 CL of N.Miami, XC, RE

Key Largo: WZMQ103.9 QG to 106.3, 430 ft LaBelle: WKZY 92.5 PG> 8 kW, 161 ft, C3

XG: 26-44-23 / 81-27-44 Lehigh Acres: WCKT 107.1 PC> 28.5 kW, 649 ft.

Marathon: WKTS 97.7 OSA for 456 ft, XG: 24-40-01 /81-25-00

Mexico Bch: WSHF 99.3 FC to modern rock (&) Naples: *NS 88.1 16 kW (v), 151 ft,

Nocates: *** 105.3 GA: add class A Port St. Joe: WEBZ93.5 CC (ex WEBZ), FC to

standards // WDIZ 590 Panama City Punta Gorda: WIKX92.9 PG> 100 kW, 476 ft, C1

XG: 26-53-49 / 82-14-22 Sarasota: WSMR 89.1 adds SKY cont. Christian (&) CC (ex WAYG)

Springfield: WYOO101.3 FC to talk, adds Stan Major Tampa: WUKS100.7 CC (ex WUSA) "Kiss 100.7"

NC to 1210 ft, class C. GE WAAD 93.7 NO-GE

Watertown: WQLC102.1 adds Hot Country (&)

FEBRUARY 1997

GEORGIA:

Ashburn: WFFM105.7 FC to adult alternative (&) Atlanta: WZGC 92.9 drops Greaseman mornings Bainbridge: *** 101.9 PA: add class A

Bolingbroke: WDBS102.1 SI, this station came on the air without permission from the FCC

Clayton: WRBN104.1 CC (ex WQXJ) Coosa: WSRM 95.3 NO-CX-DE.RX Cordele: WKKN 98.3 reported SI

Dahlonega: WKHC104.3 NW, Real Country (&)

Dahlonega: WNGU 89.5 CC (NS) Dalton: WYYU104.5 PG> 6 kW

Gibson: *NS 94.3 AF Glennville: WKIG 106.3 PC> 6 kW

W290AG105.9 NS-27: WYFK89.5 Columbus Griffin: Harlem: WCHZ 95.1 FCto70'soldies(&) (Augusta)

Reidsville: WRBX104.1 PG< 2.4 kW, 364 ft, Ringgold: WMPZ 93.7 FC to urban gold (&)

Savannah: WZAT 102.1 dec. to 1305 ft. XG: 32-03-32 / 81-17-57

Statenville: *NS 97.5 6 kW, 328 ft.

Sylvester: WRXZ106.1 FC to adult alt // WFFM 105.7 Toccoa: WSTE106.1 CC (ex WLET), FC to country also adds After MidNite

Valdosta: WYZK 96.7 NC to 50 kW, 492 ft, C2, RE

adds Moby

HAWAII: Lihue:

*NS 88.9 60 kW, 364 ft.

IDAHO:

McCall: *NS 98.3 AF *** Moscow: 103.3 PA to add class A

Pocatello: KMGI 102.5 FC to rock "Rock 102" St.Maries: *** 92.1 PA for class A

Sun Valley: KECH 95.3 OSAtodassC1, 5.9kW, 2152'

Wallace: *NS 100.7 AF Wallace: *NS 97.5 AF

ILLINOIS:

Ava: WXAN103.9 PC> 2.9 kW Carlyle: WCXO 96.7 NO-RE Carthage: WZBN 92.1 reported SI

Chicago: WMBI 90.1 NC to 100 kW (cir), 443', GE Crest Hill: WCCQ 98.3 PG> 3.6 kW, 426 ft,

XG: 41-26-32 / 88-12-15

Gibson City: WGCY106.3 PC> 6 kW, 321 ft. Mt. Vernon: WAPO 90.5 LC

Oregon: WOXM106.1 NO-GE Pekin: WCIC 91.5 PG> 50 kW, (cir), 331', DA

Pittsfield: *NS 91.7 AF (Illinois Bible Inst.)

St.Joseph: WGNJ 89.3 NO-GE Watseka: WGFA 94.1 PG> 50 kW, 364 ft

XG: 40-47-37 / 87-45-17

INDIANA:

Bremen: WHPZ 96.9 CC (ex WYEZ), FC to contemporary Christian (South Bend), "The Pulse"

Charlestown: WLVX104.3 CC (NS)

Connersville:WIFE100.3 XC: 39-38-15 / 85-05-45 Corydon: WSFR107.7 NC to 31 kW, DA, class B, RX

Crawfordsville:*NS 91.3 2.2 kW (v), 194 ft. Crown Pt: WXRD103.9 CC (ex WZCO) Evansville: *NS 107.5 2,350w, 518 ft, DA

Indianapolis:WHHH96.3 PC> 3.3 kW, 285 ft.

Jeffersonville: WQMF95.7 FC to dassic rock (Louisville)

Indiana:

Madison: *** 101.1 PA to add class A Mishiwaka: W300AL107.9 NS-4w: WQKO 91.9 Howe Seymour: WJLR 91.5 CC (ex WKLO)

IOWA:

Atlantic: KXKT 103.7 PG> 100 kW(h), 1014ft XG: 41-18-40 / 96-01-37, CL to Glenwood, IA Belle Plaine: KXPW95.5 NO-RX

Bettendorf: KORB 93.5 PG> 6 kW Burlington: KKMI 93.5 PG> 6 kW Charles City: KCHA95.9 FC to Jones a/c (&)

Madrid: *NS 96.1 2.5 kW, 515 ft, DA Marshalltown: K218CE 91.5 NS-100w(v): KAWZ 89.9 ID

New Hampton: KCZE 95.1 adds Jones a/c (&) Osage: KCZY 103.7 adds Jones a/c (&) Osceola: KJJC 106.9 FC to sports, "The Jock" Red Oak: KCSI 95.3 NC to 20.5 kW, 364 ft, C3, RE Waukon: KNEI 103.5 QC from 103.9, PC> 9.3 kW 574 ft, XC: 43-18-28 / 91-27-18

KANSAS:

Horton: KAIR 93.7 adds CD Country (&) Salina: *NS 88.5 46 kW, 394 ft, DA (A.F.A.) KZZD 90.7 CC (ex KIBN)



KENTUCKY:

Benton: WAAJ 89.7 LC Brodhead: *** 101.9 PA to add class A Elkhorn City: WPKE103.1 NC to 320w, 1397', DA, RE Frankfort: W202AZ 88.3 NS-19w: WYFG 89.3 SC Greenville: WKYA105.5 CC (ex WWHK), FC to Jones Country (&)

Hartford: WKHB106.3 adds CD Country Mt. Vernon: WXJJ 102.9 NO-CX-DE Paducah: WGCF 89.3 NW, religion Russellvile: WJZC 101.1 CC (ex WJCE), "Jazz" Stanford: *** 101.9 PA to add class A Whitley City: WHAY105.9 GA: to 98.3 - A

LOUISIANA:

Abbeville: KROF 105.1 SG "105-1 The Gator" Alexandria: KOUZ 89.9 NO-RE Alexandria: KFAD 93.9 SG "Magic 93.9" Basile: KSIG 102.1 OSA to C1, 100 kW< 981 ft, XG: 30-05-13 / 92-22-54

Baton Rouge: WYNK101.5 drops "Wink" slogan except foroccasionally

Baton Rouge: WJFM 88.5 PG> 30 kW (cir), class C2 Boyce: KBCE 102.3 SG "102 Jamz" Coushutta: KSBH 94.9 SG "94.9 The River" Donaldsonville: KKAY 104.9 FC to oldies (&) SG "Bayouland Oldies 104.9"

Dry Prong: KVDP 89.1 PC>4.5 kW KPEL 107.7 NC to 107.9, 100 kW, RE

Franklinton: KAKA 98.9 LC Homer: KZXB 106.7 NO-GE Jonesville: *NS 105.1 AF

Kentwood: WEMX 94.1 FC to urban (Baton Rouge) Lake Charles: KZWA 105.3 SG "Vibe 105"

nsfield: KORI 104.7 SG"StarCountry104.7KORI"

Louisiana:

Maurice: KFXZ 106.3 SG "Z106" KASO 95.3 FC to a/c, PA: to class C2. Minden: 95.7, from 95.7 - A

FEBRUARY 1997

Monroe: KYFL 89.5 PC> 25 kW, 377 ft, C2 XC: 32-33-08/92-08-33

Natchitoches: KZBL 95.9 PA: to 100.7 - A

KCRL 106.7 SG"TrueCountry106.7KCRL Washington: KNEK104.7 SG"104Jamz" or "Power 104" MAINE:

Pittsfield: WJCX 99.5 CC (ex WPBC)

Winslow: WWWA95.3 5.4 kW, 348 ft (Light of Life) CC (NS)

MARYLAND:

Lexington Park: WMDM 97.7 adds WW1 country (&)

MASSACHUSETTS:

Boston: WKLB 96.9 PC> 22.5 kW, 735 ft XC: 42-18-27 / 71-13-27

Great Barrington: WAMQ 105.1 PG<730w, 918 ft, DA XG: 42-09-36 / 73-28-48

Lowell: WOAZ 99.5 PG> 26 kW, 666 ft. XG: 42-39-14 / 71-13-02

Northampton: WEIB106.3 NO-RE

MICHIGAN:

Baraga: *NS 104.3 AF Beulah: WBVE 92.1 NO-GE

Detroit: WWWW 106.7 adds After MidNite Flint: WDZZ 92.7 adds Tom Joyner

L'Anse: WCUP106.1 NO-GE Leroy Twp: WLGH 88.1 CC (NS) Muskegon: WSHZ107.9 PG< 15 kW, 420 ft,

XG: 43-16-38 / 86-20-05

Newberry: WNBY 93.7 FC to adult contemporary Oscoda: WCMV 95.7 CC (NS)

Pentwater: WMOM103.1 CC (NS) Traverse City: WNMC 90.9 QC to 90.7, 600 w

538 ft, XG: 44-46-36 / 85-41-02 Whitehall: WKBZ 95.3 FC to urban "Power 95.3"

MINNESOTA:

Mankato: *** 94.1 PA to add class A Pipestone: KISD 98.7 NC to 1014 ft, class C, RX KARL 105.1 PC> 45 kW, 502 ft, C2

MISSISSIPPI:

Brooksville: WAJV 98.9 adds southern gospel (&) Clarksdale: WAID 106.5 PG> 50 kW

Clarksdale: WWUN101.7 NC to 101.5, C3, 25 kW, 328 ft, XC, GE

Long Bch: WJZD 94.5 inc. to 321 ft.

Natchez: W220BN91.9 NS-13w: WYFG 89.3 SC New Albany: WWKZ 103.5 dec. to 587 ft, C1

XG: 34-51-44 / 89-52-42, CL: Como, MS Oxford: WQLJ 93.7 NC to 13 kW, 456', GX

MISSOURI:

Campbell: *NS 107.5 AF

DeSoto: KDJR 100.1 PG> 4.8 kW, 371 ft, DA Ironton: KYLS 92.7 NC to 92.9, 770w, RX Joplin: KIXQ 102.5 CC (ex KJKT), FC to

country "Kicks 102.5" Kennett: "NS 89.9 1 kW, 164 ft (AFA)

Kirksville: KHGN 90.7 CC (NS) Lebanon: KJEL 103.7 CC (ex KIRK) Malta Bend: KRLI 97.5 NO-RE Marble Hill: *NS 97.3 6 kW, 328 ft.

Missouri:

Sikeston: KBXB 97.9 OSA to C2, 50 kW, 469 ft. Springfield: KAKU 90.1 PG> 4 kW, 489 ft, class C3 Waynesville: KJPW102.3 PG> 2650w, 492 ft. Webb City: KJMK 93.9 CC (ex KIXQ), FC to a/c SG "Magic 93.9" (Joplin)

MONTANA:

Bozeman: KGLT 91.9 PG> 68 kW, 715 ft, C1 XG: 45-40-24 / 110-52-04

KMBR 95.5 FC to classic rock CC (ex KQUY)

GreatFalls: KGPR 89.9 PG< 9.5 kW, 295 ft XG: 47-32-23 / 111-17-06

Missoula: KBGA 89.9 LC

KTHC 95.1 NW, classicrock(&)(Williston)

NEBRASKA:

KMRV 97.3 NO-RE Scottsbluff: K208CK89.5 NS-170w: WYFG 89.3 SC S.Sioux City: KSFT107.1 PG< 1550w, 328 ft, XG: 42-31-11 / 96-27-02

NEVADA:

Carson City: K286AG 105.1 NS-150w(v), DA:KODS 103.7 CA

KLKO 93.5 NC to 93.7 - C2. 4.5 kW. GE Elko: Ely: KELY 101.7 FC to Jones a/c (&)

Ely: KDSS 92.7 CX CP for 3 kW, C3 KRNG101.3 NO-GE Fallon:

Las Vegas: KOMP 92.3 PC<25 kW, 3687 ft. Las Vegas: KXPT 97.1 PC<25 kW, 3674 ft.

XC: 35-58-02 / 115-30-06 Laughlin: KADD 93.5 NO-GE N. Las Vegas: KJUL104.3 dec. to 3700 ft. Reno: KZSR 92.9 RA with talk (&)

NEWHAMPSHIRE:

Manchester: WLMW90.7 NO-RE Moltonborough: WSCY 106.9 PC< 130w, 2096 ft. Peterborough: W270AH 101.9 NS-50w (DA): WZID 95.7

NEWJERSEY:

E.Orange: WFMU 91.1 NC to 1.5 kW, 492 ft, DA, GE Freehold Twp: WRLJ 89.7 NW, classichits//WCNJ89.3 Athens: Trenton: WNJT 88.1 PC>110w(v), 689 ft.

NEWMEXICO:

Cloudcroft: *** 97.9 PA to add class C1 Clovis: KSMX 107.5 FC to WW1 Adult Rock (&) Espanola: KYBR 92.9 FC to CD Country (&) Gallup: KXXI 93.7 CC (ex KQNM) (Maybe this is reversed, I think they were already KXXI?-qc)

Lordsburg: *** 103.7 GA: add class C3 Lordsburg: *** 105.7 GA: add class C3 Red River: *NS 90.1 115 w, -1417 ft.

NEW YORK:

Clifton Park: WDCD96.7 PC> 4.7 kW Copenhagen: WWLF 106.7 FCto classicrock(&)(Watr.) DeWitt: WIII-1 99.9 NS-260w: WIII Cortland Geneva: WEOS 89.7 NC to 4 kW, 312 ft, DA, RE Hudson Fls: WENU101.7 FC to AC // WNYQ 105.7, should switch to a new format by February

Newburgh: W293AE 106.5 NS-55: WRWD 107.3 Highland

New York: WNEW102.7 FC to classic rock Lockport: *** 92.1 PA: to add class A

New York: WDBZ105.1 CC (ex WMXV), "The Buzz" Olivebridge: WFSO88.3 LC

New York:

Queensbury: WNYQ 105.7 PG< 2450w, 1036 ft. NW, adult contemporary "Wink"

WODZ 96.1 PG< 6.8 kW, 633 ft XG: 43-08-39 / 75-10-45

Rotterdam: WTRY 98.3 CC (ex WYSR), FC to oldies // WTRY 980

Watertown: WFGY 97.5 CC (ex WCIZ), FC to country "Froggy"

Watertown: WCIZ 93.5 CC (ex WTNY) FC to rock Watertown: W211AR90.1 NS-15w: WYFG 89.3 SC

NORTHCAROLINA:

Ahoskie: W220BM 91.9 NS-80w: WAFR 88.3 MS Asheboro: WWMO 89.5 NO-GE

Aurora: *** 104.5 GA: add class A

Fayetteville: *NS 91.1 AF

Franklin: W265AZ100.9 NS-10w: WRAF 90.9 GA

Hatteras: *NS 94.5 AF Highlands: W269AY101.7 NS-10w: WFQS 91.3

Nashville: WZAX 99.7 CC (NS)

Ocracoke: *** 104.7 XA for class C3

Old Fort: WMXF104.3 CC (ex WDLF), "Mix 104" Pinetops: WEQQ 95.5 NW, hot AC // WEQR 102.3

CC (ex WWRT)

Raleigh: WCPE 89.7 NC to 1187 ft, GE

Rose Hill: WBSY104.7 XA for C2, CL: Trenton, NC Snow Hill: WAGO 88.7 NO-GE

Thomasville: WEAM98.3 CC (ex WFAZ)

NORTHDAKOTA:

Carrington: KYNU 98.3 CC (ex KANG)

Grand Forks: KNOX94.7 FC to Real Country (&) OHIO:

Akron: WAPS 91.3 adds DA

WXTQ105.5 NC to 6 kW, 305', RE WKJW 95.9 CC (NS)

Circleville: WAZU107.1 CC (ex WAHC), FC to

rock "Big Wazoo" (Columbus) Columbus: WBZX 99.7 adds Howard Stern

Marysville: WHQK105.7 CC (ex WAKS), FC to country "Kicks 105.7" (Columbus)

St.Marv's: WLVZ 103.3 PG> 6 kW Swanton: WJUC107.3 NO-GE, CC (NS)

Sylvania: WMMM 105.5FC to adult contemporary Upper Arlington: WZAZ 98.9 CC (ex WLLD), FC to

modern rock (Columbus) OKLAHOMA:

Ada: *NS 91.3 AF (AFA) *** 103.5 GA: add class C1

(this replaces a grant to add a 104.7 - C1 here) Bartlesville: KYFM100.1 GA: from class A to C1

Crescent: K203CF 88.5 NS-250w(v): WPCS 89.5 FL

Dickson: *** 103.5 PA for class C3 Elk City: KXOO 94.3 FC to contemp. Christian

Holdenville: KCMA106.5 OSA to class C3, 25 kW, 325 XG: 34-53-03 / 96-22-35, reported SI Kingfisher: *** 105.3 PA: add class A Ponca City: KIXR 100.1 GA: to 104.7 - A

Woodward: *NS 95.9 AF

Canyon City: KJDY 94.5 NW, country Grants Pass: K201DI88.1 NS-23w(v): KDOV 91.7

L.Oswego: KKJZ 106.7 NC to 100 kW, 997 ft. class C. XC: 45-27-13 / 122-32-45

Myrtle Point: KAHY 94.1 LC Reedsport: *NS 89.1 1 kW, 400 ft (A.F.A.) Seaside: KCYS 98.1 CC (NS), NW, CD Country (&)

Winchester: *NS 89.3 1.6 kW, 620 ft.

PENNSYLVANIA:

Altoona: WFGY 98.1 decreases to 941 ft. XC: 40-34-01 / 78-26-32

Ephrata: WRTL 90.7 NO-CX-DE Harrisburg: WRBT 94.9 CC (ex WYMJ), FC to country "Bob"

McConnellsburg: WIYQ 103.7 CC (NS) Martinsburg: WJSM92.7 PG> 640w, 964 ft. Philadelphia: WFLN95.7 PG< 17 kW, 850 ft XG: 40-02-30 / 75-14-24

RHODEISLAND:

Narragansett Pier: WPJB 102.7 PC<1950w.226ft Providence: WBRU 95.5 NC to 50 kW, 492 ft, DA, RE

SOUTHCAROLINA:

Andrews: WGTN100.7 PC> 25 kW, DA, C3 Bluffton: WIJY 106.9 CC (ex WLOW), FC to smooth jazz (Hilton Head)

Hampton: WBHC103.1 PA: to 92.1 - A Hilton Head Is: WLOW 107.9 CC (ex WIJY), FC to WW1 Standards (&)

Kingstree: WWKT 98.3 FC to ABC urban gold (&) (and adds black gospel M-F 9am to noon)

Ladson: WRLQ106.3 NO-GX

WVCO 94.9 stunting with "all Macarena" so a new format coming soon (Myrtle Beach)

Parris Island: WOCW92.1 PA: to 103.1 - C3 Richburg: *NS 90.3 220w, 469 ft.

Socastee: WMYB 99.5 FC to soft AC "The Beach"

SOUTHDAKOTA:

Sturgis: KRCS 93.1 FC to CHR (Rapid City)

TENNESSEE:

Colonial Hts: WLJQ105.9 GA: to 95.9 - C2 Columbia: WAYM 88.7 PC> 16.5 kW, 492 ft, DA Cookeville: WHTS 91.7 NW. // WPLN 90.3 Crossville: WSWJ102.5 CC (ex WOWF), FC to country (&)

Dyer: WLSQ 94.3 adds adult after. (&) Elizabethton: WAEZ99.3 FC to CHR "Electric 99-3" Ellendale: W270AI101.9 NS-80w: KMZN (?) Henderson: WHHM107.7 OSa to C3, 25 kW, 308 ft.

Hohenwald:*NS 90.7 AF (AFA)

Humboldt: WLSZ 105.3 adds adult alter. (&) (Jackson) Jefferson City: WEZG 99.3 FC to CHR "Electric 99-3" //WAEZ 99.3 TN (Knoxville)

Kingsport: WCQR 88.3 NO-GE Morristown: WMXK 95.9 GA: to 94.1 - A Tazewell: WCTU 94.1 GA: to 105.9 - A

TEXAS:

10

Amarillo: KPVY 100.9 NO-GE

Arlington: KDFX 94.9 CC (ex KEWS), FC to religion Austin: K259AJ 99.7 NS-50w: KYFS 90.9

Brackettsville: *** 94.7 GA for class A Caldwell: KLTR 95.1 NO-GE, CC (ex KHEN)

Centerville: KAJG 103.1 NO-GE Cleveland: KOND 97.1 FC coming soon (Houston) Denver City: *NS 97.5 AF

*NS 98.9 50 kW, 269 ft. Franklin: KZTR 101.9 CC (ex KLTR)

Greenville: KIKT 93.5 PG> 9.1 kW Haltom City: KKZN 93.3 CC (ex KNBR) "The Zone"

Huntsville: KCEY 99.7 NO-GE Jasper: KJAS 107.3 NW, adult leaning top 40 Lamesa: KIOL 104.7 CC (ex KMMX)

Lampassas: KJFK 98.9 CC (ex KUTZ), FC to talk and sports (including Howard Stern)

KZTQ 106.1 PC> 6 kW Leakey: *NS 104.3 AF *NS 88.7 AF Leesville:

Odessa: *NS 89.5 AF (AFA)

KIOC 106.1 FC to new rock, "New Rock Orange: 106-1 K106"

*NS 104.1 AF

Pleasanton: KBUC 98.3 adds Real Country (&) KZTX 106.1 RA with adult alternative (&)

QC from 106.3. PC> 25 kW, 328 ft. KKJW 105.9 37 kW, 400 ft., CC (NS) Stephenville: K213CD 90.5 NS-250w: WAFR 88.3 MS KMMX100.3 CC (ex KIOL)

Tyler:KTYL 93.1PG> 82 kW

Uvalde: KYUF 104.9 OSA to class C3, 25 kW, 272'

UTAH:

Roosevelt: *NS 94.3 AF St.George: KVYS 95.9 dec. to 1961 ft. XG: 36-50-49 / 113-29-48

VERMONT:

Burlington: WVPS107.9 NC to 50 kW, 2644 ft, RE WGLV104.3 PC> 5.6 kW, 495 ft. Mariboro: WSSH101.5 PC< 2.6 kW, 344 ft. Middlebury: WRMC 91.1 NC to 1.3 kW, 249 ft, GE Montpelier: WGLY-1103.3 NS-9w

VIRGINIA:

Buena Vista: WREL96.7 NC to 10 kW, 492 ft, B1 XC: 37-46-37 / 79-12-18

Charlottesville:WTJU91.1 PG< 600w, 1066 ft. XG: 37-58-55 / 78-29-03

Culpeper: *NS 91.5 930w, 121 ft, (A.F.A.) Marion: WZVA103.5 LC

Petersburg: WVST 91.3 NC to 2.2 kW (v), 167', GE Spotsylvania: WYSK99.3 PG< 3 kW (cir), drop DA Waynesboro: W268AC 101.5 NS-13w: WYFJ 100.1 West Point: WPTG107.9 adds WW1 Hot Country (&)

Winchester: WFQX-199.3 NS-13w(h), DA



FM NEWS

WASHINGTON:

Davenport: *NS 97.3 4.8 kW, 321 ft Dayton: KZZM 102.3 CC (NS)

Grandview: KARY 100.9 PG> 6.9 kW, C2, 1269 ft XG: 46-29-12 / 120-00-12

Leavenworth: KLVH 101.1 NO-GE Moses Lake: KLWS91.5 CC (NS)

KZTA 96.9 CC (ex KHHK), "La Zeta" Naches: 90.1 3 kW, 2457 ft. (W.S.U.) Omak: 90.1 1.6 kW, 197 ft. Pt.Angeles: *NS

KHHK 99.7 CC (ex KZTA) "Hawk" Yakima: K229AD93.7 NS-50w: KZTA 96.9 Naches Yakima:

WESTVIRGINIA:

Fisher: WQWV103.7 CC (ex WJBQ) Huntington: WTCR103.3 adds After MidNite WFXN106.3 CC (ex WZZW), "Fox" White Sulphur Sps: *NS 93.3 AF

WISCONSIN:

*** 104.1 GA to add class A Algoma: 97.7 GA to add class A (when WAQE moves from 97.7 to 99.1 - see below)

Birnamwood: WHET92.9 NO-CX-DE WVXD106.7 PG<35 kW, 584 ft. 102.1 GA to add class A Forestville: *** 105.5 GA to add class A

WBKY 95.9 NO-GE Rice Lake: WAQE 97.7 GA: to 99.1 - C2,

CL: Barron, WI

Seymour: WECB104.3 NO-RE Stevens Pt: WKQH104.9 PC> 21 kW, 358 ft, C3 XC: 44-50-13 / 89-45-57, CL: Marathon, WI

WBOG 96.1 NC to 44 kW, 525 ft, C2 XC: 44-01-32/90-48-58

Whitewater: WKCH106.5 NO-GE

WYOMING:

Casper: KYOD 104.7 185w, 1774 ft., CC (NS) 93.7 PA to add class A Cheyenne: ***

Cheyenne: KOLZ 100.7 CC (ex KKAZ), "Colt 100.7" Chugwater: *** 99.5 PA to add class Evanston: KOTB 106.3 OSA to 106.1, C3, 380 w. 97.7 PA to add class A

Laramie: 98.7 PA to add class A Pine Bluffs: *NS 105.3 29.5 kW. 233 ft.

U.S.TERRIT ORIES: PUERTO RICO:

Mayaguez: *NS 88.3 2 kW,1004 ft, DA (Univ. P.R.)

San Juan: WKAQ104.7 inc. to 1220 ft. Yauco: WIOB-2 97.5 3.8 kW

VIRGINISLANDS:

Christiansted: *NS104.9 6 kW, 699 ft.

Christiansted: WAVI93.5 PC< 9.6 kW, 807 ft, B1 XC: 17-43-53 / 64-41-17

. Bill Dvorak writes to let us know that WOLX 94.9 Baraboo-Madison, WI was off the air from 12/31/96 to 1/2/97 because of a tower collapse. Theirtower, builtin 1948, and located on Baraboo Bluff in Sauk Co. (30 mi. NNW of Madison) fell because of ice accumulation. No one was hurt, and by Jan. 2nd, a temporary 60-foot tower was erected at the same location as the fallen 648 footer, severely restricting its coverage, but still getting into Madison well enough. Bill was fortunate to log several stations in WOLX's absence, including WOFM, KMCH, and WKXK on 94.7, WDKB and WAAG on 94.9, and WIIL and WZZT on 95.1.

FEBRUARY 1997

· Doug Smith sends an article on some California pirates he saw in a ham bulletin. In Santa Maria, a station on 88.9 is playing continuous music, apparently from a CD changer. It is only on weekends, and has been operating for the past six months. It can be heard for miles around the Santa Maria area. In Grover Beach, another FM pirate, "Excellent Radio", is quite popular, even having a storefront location, giving out bumper stickers, and advertising on an LPTV! Saul Chemos sends more information about

the 101.3 signal heard recently testing in the Toronto area. It is indeed around 100 watts power, and is affiliated with CHIN 1540, the AM station to CHIN 100.7. CHIN-AM gets plenty of interference in Metro Toronto from clear channel stations WPTR Albany, NY, and KXEL Waterloo, IA, and was looking into the possibility of an FM booster. This testing is very preliminary at this point. TYTOID 949fm

> Al Oldes All The Time 2306 W Badger Road

WISCONSIN LOVES 94.9 FM

WANTED: WATC-tv, channel 57, Atlanta, is interviewing candidates to fill a position as UHF transmitter engineer. Contact John 770-300-9828 Broomall at for more information.

TV NEWS

Douglas E. Smith W9WI 1385 Old Clarksville Pike Pleasant View, TN 37146-8098 72777.3143@compuserve.com

February 1997

*: Non-commercial station

nc: No Change

+/-: Channel offsets (plus,

z/n: minus, zero, and none)

TA: Tamapulias (Mexican state)

APPLICATIONS FOR NEW STATIONS

| St | Ch | ERP | HAAT | City; applicant | | |
|----|------|------|------|-------------------------|------------|-----------|
| AL | 22- | 2820 | 315 | Tuskegee; T. Associates | 32-03-36N/ | 85-57-02W |
| NY | *57- | 1550 | 300 | Waverly; WSKG-46 (PBS) | 42-02-40N/ | 76-35-50W |

Applications denied, dismissed, etc:

 St
 Ch
 ERP
 HAAT
 City; applicant

 AZ
 58z
 3.48
 -24
 Sierra Vista; J.E. Powley 31-26-29N/110-16-13W

CONSTRUCTION PERMITS GRANTED FOR NEW STATIONS

| | | | Call/ | | |
|----------|-----|-------|--------|----------------------------|----------------------|
| St AB | Ch | ERP | HAAT | City; applicant | |
| AB | 17z | 31.6 | 134 | Lethbridge | 49-46-47N/112-52-14W |
| | | | CJIL-T | V (religious) | |
| BN | 3z | | | Tijuana; XHGC-5? (see tex | t) |
| MI | 60- | 17.0 | | Pinconning; wireless cabl | e |
| MI | 68z | 17.0 | | Pinconning; wireless cabl | e |
| MT | 50n | 10.0 | | Kalispell | 48-30-22N/114-20-49W |
| ON | 51+ | 715 | 300 | London; CHCH (CHCH-TV-2) | 42-50-27N/ 81-51-30W |
| ON | 32+ | 5 | 116 | North Bay; (CHCH-TV-6) | 46-18-10N/ 79-24-40W |
| ON | 11- | 25 | 190 | Ottawa; (CHCH-TV-1) | 45-13-01N/ 75-33-51W |
| ON | 3z | 17.4 | 152 | Pembroke; CBC (CBOT-6) | 46-02-40N/ 77-28-06W |
| ON | 38- | 5 | 113 | Sault Ste. Marie; (CHCH-4) | 46-35-50N/ 84-16-53W |
| ON | 41+ | 19.2 | 172 | Sudbury; (CHCH-TV-3) | 46-25-29N/ 81-00-54W |
| ON | 11- | 1500? | 142 | Timmins; (CHCH-TV-7) | 48-28-12N/ 81-17-50W |
| QU | 62z | 11 | 219 | Montreal (CJNT-TV) | 45-30-18N/ 73-35-30W |

Obviously, the power for CHCH-TV-7 Timmins is a typo. I suspect it should be 150KW. These are old news, but my first opportunity to print technical information on them and provide official callsigns. The Tijuana station is a (pretty solid) rumor on the Internet. Channel 3z is allocated to Tijuana for full-power operation.

APPLICATIONS TO CHANGE EXISTING STATIONS

| St | <u>Ch</u> 32 z | nc | 332 | Call WWWB | City Lakeland | 27-50-15N/ | 81-56-53W |
|----|-------------------|------|-----|--------------|------------------|------------|-----------|
| NY | 31- | 5000 | nc | WBIS | New York | 40-42-43N/ | 74-00-49W |
| PR | 68z | 457 | nc | WVSN | Humacao | 18-16-44N/ | 65-51-12W |
| TX | 42- | 5000 | 394 | KEYE | Austin | 30-19-10N/ | 97-48-06W |
| TX | 19- | 5000 | 472 | KLSB | Nacogdoches | 31-54-16N/ | 95-05-07W |

APPLICATIONS TO CHANGE CONSTRUCTION PERMITS

| St | Ch | ERP | HAAT Call | City | |
|----|-----|------|-----------|----------|----------------------|
| NV | 10- | 3.09 | 564 KENV | Elko | 40-41-53N/115-54-13W |
| WI | 52z | 5000 | 314 WWRS | Mavville | 43-16-25N/ 88-23-57W |

TV News February 1997

CHANGES GRANTED TO EXISTING STATIONS

| st | Ch | ERP | HAAT | Call | City | | |
|----|------|----------|----------|-------|---------------|------------|------------|
| AL | 40- | 5000 | 600 | WJSU | Anniston | 33-36-24N/ | 86-25-03W |
| FL | 27+ | 2700 | 518 | WTXL | Tallahassee | 30-40-06N/ | 83-58-06W |
| IN | 52- | 21.17 | | W52CV | Nappanee | 41-24-43N/ | 86-01-51W |
| | From | W12BK, S | outh Ben | d. | | | |
| LA | 23- | 24.3 | | K23ER | Hammond | 30-32-26N/ | 90-29-07W |
| | From | W39AT, B | aton Rou | ige. | | | |
| ME | 8z | 120 | 350 | WAGM | Presque Isle | 46-33-04N/ | 67-48-35W |
| OK | 62+ | 2680 | 240 | KMNZ | Okla. City | 35-34-24N/ | 97-29-08W |
| PA | 32- | 16.0 | | WBPA- | LP Pittsburgh | | |
| | From | ch. 29. | | | | | |
| SD | 5+ | nc | 313 | KDLT | Mitchell | 43-45-28N/ | 98-24-39W |
| TX | 28z | 2102 | 220 | KYLE | Bryan | 30-41-19N/ | 96-25-36W |
| TX | 66n | 7.9 | | K66FT | Friona | 34-39-15N/ | 102-43-45W |
| | From | K65BT. | | | | | |
| WI | 27+ | 5000 | 455 | WKOW | Madison | 43-03-21N/ | 89-32-06W |
| WV | 59- | 1923 | 568 | WVSX | Lewisburg | 37-46-24N/ | 80-42-19W |
| | | | | | | | |

CHANGES GRANTED TO CONSTRUCTION PERMITS

| St | <u>Ch</u> 23z | ERP 1.03 | HAAT | Call K23E0 | City Ventura | 34-20-57N/119-20-07W |
|----|------------------|-------------|----------|---------------|--|------------------------|
| 0 | | K08LJ, S | anta Ra | | 7 0110 012 0 | 01 20 0/11/110 20 0/11 |
| CO | 32- | | | | Colorado Springs | 38-44-40N/104-51-42W |
| | From | K18EM. | Pueblo | | and the second of the second s | |
| FL | 61+ | 8.5 | | W61DD | Miami | 25-46-20N/ 80-11-20W |
| | From | W27BS. | | | | |
| MI | 17+ | 20.5 | | W17CC | Interlochen | 44-38-07N/ 85-45-53W |
| | From | W50BL, | Traverse | e City. | | |
| PA | 49z | 21.3 | | W49BV | Indiana | 40-37-38N/ 79-12-49W |
| | From | W30BI, N | Meadvill | e. | | |
| PR | 34z | nc | 848 | WRUA | Fajardo | 18-18-36N/ 65-47-41W |
| TX | 53+ | 8.08 | | K53FR | Plainview | 34-13-05N/101-42-02W |
| | From | K47EP | | | | |

TECHNICAL CHANGES ON THE AIR

| CA | 63- | K63EC Planada; move from K55BZ, increase power, and move. |
|------|-----|---|
| MA | 54z | W54CN Boston; major power decrease, move from ch. 33, |
| | | move tower about 70km SW. (from the Gloucester area) |
| MI | 45- | WGKU Vanderbilt |
| MN | 29z | K29CT Worthington; move from ch. 20. |
| | | (to be displaced by KSMN-20) |
| NE | 22n | K22FF Newport; move from ch. 24. (displaced by KLKE-24) |
| NV | 56n | K56GB Wadsworth; move from K63DN Reno. |
| NY | 43+ | WNYS Syracuse; major power increase. |
| NY | 68- | WSYT Syracuse; minor tower height decrease. (10 ft.) |
| WI | 26+ | WGBA Green Bay; double power & minor tower height |
| | | decrease. (4 meters) |
| WI | 58z | WDJT Milwaukee; major power & tower height increases & |
| | | move about 7km north. |
| WV | 33+ | WPBY Huntington |
| PT V | 337 | WEDI BUILDING COIL |

NEW STATIONS ON THE AIR

| W66CN | 66+ | Jasper, AL | 6.7KW | 33-50-42N/ 87-18-26 | M |
|-------|---------|------------------------------|-----------|---------------------|---|
| | Transla | ator of WTJP-60 Gadsden. (T) | BN) | | |
| K58FA | 58z | Little Rock, AR | 200 watts | 34-47-56N/ 92-29-44 | W |
| | | K50DZ 50, K52EU 52, | | | |
| | Fort | Apache I.R., AZ | | | |
| K36EL | 36+ | Bakersfield, CA | 29KW | 35-26-20N/118-44-23 | W |
| | Transla | ator of KGMC-43 Clovis/Frest | no, WB. | | |
| K47EH | 47+ | Eureka, CA | 14.6KW | 40-43-36N/123-58-26 | W |
| 774 | TBN. | | | | |
| | | | | | |

NEW STATIONS ON THE AIR (contd.)

| KO4IZ 4n. | KO5EG 5n Wawona, CA | A 7 watts | 37-31-08N/ | 119-35-59W |
|-------------|-----------------------------------|------------------|------------------|--|
| | t these two are translators of Fi | | | 113-30-39W |
| | Crested Butte, CO | | 38-48-37N/ | 106-54-30W |
| | Jacksonville, FL | | 30-16-53N/ | |
| W25BF 25- | | 7.1KW | | 80-11-20W |
| | New Port Richey, FL | 10.3KW | 28-19-27N/ | |
| | or of WWWB-32 Lakeland. W | | | 02 11 000 |
| | Tallahassee, FL | 29.5KW | 30-29-35N/ | 84-17-01W |
| | Coeur d'Alene, ID | 11KW | 47-43-54N/ | |
| | or of KSPS-7 Spokane. (PBS) | | 10110 SEMESTER | |
| | Independence, KS | 19.3KW | 37-09-58N/ | 95-33-45W |
| | or of KDOR-17 Bartlesville, O | | | |
| | Alexandria, LA | 812 watts | 31-16-04N/ | 92-26-24W |
| | Natchitoches, LA | 3.3KW | 31-47-12N/ | |
| | Natchitoches, LA | 1 KW | 31-47-56N/ | |
| | Worthington, MN 2400 | KW/332m | 43-53-52N/ | |
| | of KWCM-10 Appleton. (PBS | | | |
| K28FB 28n | Bozeman, MT | 10KW | 45-40-24N/ | 110-52-04W |
| W59CR 59+ | Durham, NC | 11.7KW | 35-56-35N/ | |
| | Lumberton, NC | 17.4KW | 34-53-05N/ | |
| Translat | or of WSFX-26 (Fox), Wilming | | | |
| K52ES 52+ | Norfolk, NE | | 42-01-52N/ | 97-21-28W |
| TBN. | | | | 5, 21 201 |
| | W. Milford, NJ 241 | KW/217m | 41-07-14N/ | 74-12-03₩ |
| | Mescalero, NM | 2 2 2 7 111 | 41 07 14147 | 74-12-03W |
| K16DX 16n | | 984 watts | 36-26-03N/ | 99-46-22W |
| | Muskogee, OK | 10KW | 35-42-37N/ | |
| TBN | | 20400 | 00 12 0 111) | 20 10 001 |
| | Okmulgee, OK 50001 | KW/277m | 35-50-02N/ | 95-07-29W |
| | | W/281m | 44-21-05N/ | |
| | 8+ Huntsville, ON 43 | | 45-24-38N/ | |
| | 8z Parry Sound, ON | | 45-23-24N/ | |
| K15DS 15- 1 | | 10.4KW | 44-45-23N/ | |
| | or of KPDX-49 (Fox) | 10.47% | 44-43-2314/ | 124-02-49W |
| | Indiana, PA | 21.3KW | 40-37-38N/ | 70 12 409 |
| | all change from W30BI | 21.3NW | 4U-3/-30N/ | 13-17-43M |
| | Pittsburgh, PA | 130 watts | 40-24-42N/ | 70 EE E4M |
| | ricesourgh, PA | 130 Walls | 4U-24-4ZN/ | /9-33-34W |
| TBN. | | | 05 50 4511/ | |
| | Reynosa, TA | | 25-52-45N/ | 97-31-09W |
| | of XHGC-5 Mexico City. | | 22 22 22 2 | |
| | Nuevo Laredo, TA | | 27-29-48N/ | 99-30-01W |
| | of XEQ-9 Mexico City. | | | |
| | | W/360m | 32-35-24N/ | 96-58-21W |
| INtv/Wo | rship. | | | |
| K67FY 67- 1 | Austin, TX | 8.91KW | 30-19-20N/ | |
| K120N 12z 1 | Bryan, TX | 93 watts | 30-39-02N/ | |
| | Sarfield Co., UT | 1.31KW | 38-32-10N/3 | |
| | Sarfield Co., UT | 3.16KW | 38-32-10N/1 | 12-04-19W |
| | Hanksville, UT | | | |
| | Orderville, UT | 68 watts | 37-16-35N/3 | 12-37-35W |
| | St. George, UT | | | |
| W18BS 18z H | Hampton, VA | 20.3KW | 37-05-07N/ | 76-25-37W |
| TBN. | | | | |
| | Staunton, VA | | 38-26-52N/ | 78-43-53W |
| | lotices also say W25CC but thi | | | |
| | Surlington, VT 1450K | | | |
| WYOW 34z I | agle River, WI 2570K | W/127m | 45-46-30N/ | 89-14-55W |
| Semi-sate | ellite of WAOW-9 Wausau; als | o some education | al prgrs. (ABC/F | ox/edu) |
| | | | | T1000000000000000000000000000000000000 |

The Ontario stations are old news, but I don't think I've had technical info on them before.

TV News CALL CHANGES

| K06MJ | Flagstaff, AZ: | KZZA-LP |
|---------|---------------------|---------|
| K21DS | Chico, CA: | KZVU-LP |
| KFCB-42 | Concord, CA: | KTNC |
| K67GZ | Rainbow Valley, CA: | KFMG-LP |
| KTTY-69 | | KSWB |
| W19AQ | Palm Beach, FL: | WINQ-LP |
| KOBN-26 | Honolulu, HI: | KAAH |
| new-20 | Iowa City, IA: | KWKB |
| WRAP-LP | | W54CN |
| W28AC | Charlotte, NC: | WGTB-LP |
| new-7 | Winnemucca, NV: | KWNV |
| K19EA | Oklahoma City, OK: | KKCC-LP |
| K25FF | Tulsa, OK: | KLOT-LP |
| WENU-36 | Charleston, SC: | WMMP |
| K43FD | Houston, TX: | KHLM-LP |
| K12OT | Logan, UT: | KVWB-LP |

The W54CN change is not a typo. This is the first station I'm aware of to go $\underline{\text{from}}$ a "regular" callsign $\underline{\text{back to}}$ a number/letter call.

PROGRAMMING CHANGES

| KNEB-4 | Ketchikan, AK: | satellite of KTNL-13 Juneau? |
|------------|-----------------------|---|
| KOSKF | DeQueen, AR: | to religion. |
| KAJB-54 | Calipatria, CA: | to Univision. (not yet on the air) |
| KFWU-8 | Fort Bragg, CA: | Satellite of KTNC-42 Concord. |
| | | (country music videos & religion) |
| K23CZ | Ukiah, CA: | to relay KPWB-31. (WB) |
| K05HE | Glenwood Springs, CO: | to relay KTVD-20. (UPN) |
| K13QZ | Grand Valley, CO: | to relay KTVD-20. (UPN) |
| K05GY | New Castle, CO: | to relay KTVD-20. (UPN) |
| KOBIV | Pinewood, CO: | to relay KTVD-20. (UPN) |
| K30BS | Red Cliff, CO: | to tourist-information programming. |
| K66BQ | Rulison, CO: | to relay KTVD-20. (UPN) |
| K47AC | Silt, CO: | to relay KTVD-20. (UPN) |
| WTIG-LP 2 | Naples, FL: | to TBN. |
| W46BQ | Port Richey, FL: | to translate WWWB-32 Lakeland. (WB) |
| W56CN | Venice, FL: | to translate WWWB-32 Lakeland. (WB) |
| KMCI-39 | Lawrence, KS: | from HSC to "Family Greats" independent. |
| WKYU-24 | Bowling Green, KY: | carries some All News Channel. |
| K67GL | Bunkie, LA: | relays WNTZ-48 Natchez, MS. (Fox) |
| K61G0 | Hicks, LA: | relays WNTZ-48 Natchez, MS. (Fox) |
| K52EV | Leesville, LA: | relays WNTZ-48 Natchez, MS. (Fox) |
| K57HD | New Orleans, LA: | from TBN to tourist information? |
| W30BF | Bangor, ME: | Sold by Maine ETV to Davis Communications |
| | | owners of one of the applicants for |
| | | channel 23 at Waterville. |
| KYFC-50 | Kansas City, MO: | from religion to INtv/Worship. |
| K17CA | Carson City, NV: | relays KRXI-11 Reno. (Fox) |
| KINC-15 | Las Vegas, NV: | to Univision. |
| WJDE-LP 24 | Nashville, TN: | from HSS to Video Catalog Ch. (VCC) |
| WRMX-LP 12 | Nashville, TN: | from HSS to Video Catalog Ch. (VCC) |
| KFDM-6 | Beaumont, TX: | CBS/UPN. |
| K22EH | Longview, TX: | UPN, LMA by KFXK-51. |
| K30CS | Lufkin, TX: | "KFXL", semi-satellite of KFXK-51. (Fox) |
| K48DP | Tyler, TX: | UPN, LMA by KFXK-51. |
| WJCB-49 | Norfolk, VA: | Sold by its religious owners. |
| K33EJ | Walla Walla, WA: | to 3 Angels. |
| WVTV-18 | Milwaukee, WI: | to become a WB affiliate. |
| 1000000 | | |

I suspect most of the Colorado stations above have always relayed KTVD-20. They used to be owned by the local governments, but have now been sold to KTVD.

STATIONS DELETED

St Ch Call City
IA 35z K35DR Sioux City

Thanks to John Lentz, Fernando Garcia, Dennis Smith, and Chip Kelley for some of the information above.

The KDLT-5 change is a major move of 85km (over 50 miles) essentially straight west. My understanding is this will only be built if the owners' application for a full-power station on channel 46 at Sioux Falls is granted. (that grant is likely, as channel 36 is also open at Sioux Falls, and right now KDLT is the only applicant for channel 46). I'm told KDLT intends to try to serve Pierre - which may be a challenge with adjacent channel KPLO-6 already operating in that area! (then again, WBKP-5 is claiming Marquette, Michigan, home of WLUC-6, as part of its coverage area. The selectivity of modern TVs is much better than it was a few years ago.)

A slightly modified form of the Grand Alliance HDTV standard has been adopted by the FCC. HDTV will be adopted essentially as proposed, but the FCC will not set a mandatory standard for the scanning resolution or interlace method. Broadcasters had wanted a mandatory interlaced standard, while computer companies wanted a mandatory non-interlaced standard. Interlace allows the transmission of more detail in a limited bandwidth, but it's harder to build studio equipment for. Computer firms wanted to be able to be able to use their monitors and software routines to display HDTV television pictures without having to support interlace.

FORUM

Bill Draeb, Kewaunee, WI:

On Jan. 3, Bill saw WYOW-34 on its first day on the air. He ran across a story about the station on WAOW-9's newscast. It's to be mostly a satellite of WAOW, but with some separate educational programming. The station is owned by "Northwoods Educational Television Associates". This is an interesting situation; it almost looks like educational TV for a very rural part of northern Wisconsin is being financed by lease of extra airtime to a commercial broadcaster! WYOW does hold a commercial license. Bill says another reason for WYOW's debut is to extend the coverage of WAOW's secondary Fox affiliation into areas not yet receiving Fox programming. The WYOW tower is at Sugar Camp, roughly midway between Eagle River and Rhinelander.

WJUE-43 Battle Creek is reaching Kewaunee regularly, but weaker than WOTV-41. A check of coordinates shows WJUE is about 40km east of WOTV; it probably considers itself a Lansing station. Bill is also seeing two unID scrambled stations on channels 43 and 51 from the west-northwest. They're probably the Erhard, MN wireless cable system (K43CS, K51DC) though Grand Forks, ND is another possibility.

WGBA-26 has completed its 5000KW upgrade. The station said it spent \$1.2million on the upgrade. (I suspect some of that went to studio equipment) Bill writes "The difference here is that they slop over more channels than they used to." Finally, Bill checked out the new WSCO-14 site on Hwy. 32 in Krakow; no construction activity was noted.

Chris Cuomo, Verona PA:

Chris called shortly before deadline to report three new LPTV signals in the Pittsburgh area:

Channel 32: Home shopping, selling mostly jewelry. My best guess is WBPA-LP Pittsburgh, which as you see above was just issued a CP to move from channel 29. But Chris is still seeing this station on channel 29. I suppose it's remotely possible 32 is, in fact, WBPA-LP, and the channel 29 signal is recently-granted W29AV Pittsburgh. Another remote possibility is W32AX Altoona.

Channel 35: Network 1. (formerly Main Street TV) Probably W35AZ Johnstown. This station was originally authorized to Pittsburgh but was granted a change in location before it was built. I would guess they may have been testing under their old Pittsburgh CP before moving the transmitter to Johnstown. Another remote possibility is W35AW Uniontown, which has a CP for 102KW. (an awful lot of power for a LPTV)

Channel 59: All-News Channel most of the time, with some local events and ads for New Castle, and ID as "WBGN". This is a repeater of W66BQ Freedom, PA.

Chris Cuomo, Verona PA: (contd.)

TV News

FORUM

Channel 61: Parallel to channel 32, but much stronger. This is W61CC Pittsburgh, formerly authorized to Uniontown. It's now on the WQED-13/WQEX-16 tower.

February 1997

Channel 65: The TBN on channel 65 (W65CG) is now on the air.

Fernando Garcia, Cd. Guadalupe, NL, Mexico:

With the new year, Fernando has two new locals to deal with. XHNAT-45 Nuevo Laredo is a relayer of Televisa's XEQ-9 network. He says its signal is much stronger than KLDO-27 and XHFTX-57. This station (and I presume all other XEQ relayers?) operate from noon to midnight only.

The other new one is on channel 54 in the Reynosa/Matamoros area. (channel 54 is allocated to Matamoros) It's a 24-hour relay of the XHGC-5 network. No calls have been seen on this station.

Some unIDs on Fernando's list include a channel 25 from the direction of Lubbock with programming parallel to TBN affiliates KPTB-16 and KMLM-42; (my bet is on K25EG Balko, Oklahoma, in the panhandle near Guymon) a religious station on 15 with Abilene in, (Fernando asks if K15EK Abilene is on; I don't know. K15DJ Lawton, OK is a 3 Angels station, and is on the air with 74KW.) an OETA (Okla. Educational) translator on channel 50; (my guess is K50AL Elk City, though its primary is supposed to be KOKH-25) and a Shepherd's Chapel from the north on channel 56, with Tulsa in. (K56EY Elk City, K56FK Alva, or K56FS Ardmore?)

Chip Kelley, Dallas TX:

Chip took a road trip. In the Baton Rouge phone book, he noted KANC-LP ch. 21 listed as "WTNC, the News Channel". He couldn't see the station itself. Their co-owned KBTR-LP Baton Route does something similar, calling itself "UPN19, WBTR". (I have to wonder, why bother applying for a four-letter call if you're going to use a different one?!) Also noted in Baton Rouge was KTTE-LP ch. 11 with VCC home shopping. (they're also a WB affiliate) KLFT-LP ch. 21 Lafayette was seen with The Box music videos.

He also took a ride past the KFXK-51 studios on the I-20 frontage road in Longview, Texas. The studios now have three logos: Fox 51/KFXK, Fox 30/KFXL (K30CS Lufkin), and UPN22/48. (K22EH Longview & K48DP Tyler) K48DP used to be a WB affiliate with the "fake calls" KTLN; presumably there is no longer a WB affiliate in this area. KFXK used to be a dual Fox/UPN affiliate; it's now all Fox.

Dennis Smith, Santa Barbara CA:

First, Dennis corrects me on my comments about his market being one of the places with a WB affiliate but no Fox. KCOY-12 is in fact a secondary Fox affiliate, though the only Fox programs he's seeing are football.

Also seen by Dennis is new K14JP Modesto. It's America 1, with some local commercials for Turlock. And, while in Turlock, he saw a TBN on channel 27 at similar strength to their K28EM Mariposa. I don't have a good answer for that, except maybe K27EU Roseville? That's a long way away though. It could possibly be K28EM with a defective or missing lower-sideband filter. I have heard of other DXers seeing stations on both their own channel and the next lower channel (WTJR-16, seen on channel 15, for one example) and this would be a logical explanation. However, in this situation there'd be no audio.

73 Doug

WESTERN TV-DX

Victor Frank 12450 Skyline Blvd. Woodside, CA 94062-4541 email frank@sneezy.srl.com (415)851-7031

William Eckberg, 1032 Sterling Rd., Dixon, IL

| | | er 19 | | | | | CDT/CST |
|----|-----|--------|------|----|----|--------------|---------|
| 04 | tr | 0400 | KASN | 38 | AR | | 537 |
| | | 0405 | KLRT | 16 | AR | | 503 |
| | | 0410 | WUXP | 30 | TN | | 408 |
| | | 1040 | KHOG | 29 | AR | | 463 |
| | | 1040 | KHBS | 40 | AR | | 513 |
| 11 | tr | 2225 | KHOG | 29 | AR | | 463 |
| 12 | tr | 2225 | KSAX | 42 | MN | | 404 |
| 13 | tr | 0400 | KSAX | 42 | MN | | 404 |
| 14 | tr | 0320 | WJUE | 43 | MI | Battle Creek | 219 |
| 27 | tr | | KSAX | | | | 404 |
| | | 2200 | KDSD | 16 | SD | | |
| 28 | tr | | KSAX | | MN | | 404 |
| No | ver | nber 1 | 996 | | | | CST |
| 10 | tr | 0200 | KSAX | 42 | MN | | 404 |
| 21 | Es | 1725 | WLBZ | 2 | ME | | 1030 |
| | | 1730 | WCAX | 3 | VT | | 821 |
| | | | WFSB | | | | 842 |
| | | 1900 | WKTV | 2 | NY | | 714 |
| 22 | tr | | KSAX | | | | 404 |
| 23 | tr | 0215 | KASN | 38 | AR | | 537 |
| | | | KLRT | | AR | | 503 |
| | | 0358 | WMAW | | MS | | 645 |
| | | 0400 | WMPN | | MS | | 651 |
| | | - | WDBD | - | MS | | 651 |

I saw rare November Es on the 21st to the east. Early indications were present at 1600. It went through channel 4.

The 23rd saw brief strong tropo into Arkansas. Pine Bluff 38 and Little Rock 16 were snowfree. The weather map showed a front beginning in northern IL passing through AR and turning into central TX. DX was along a narrow area across its straight leading edge. I was fortunate to be briefly at its northern end. As it passed here, AR DX disappeared and I saw three MS stations briefly. They were weaker. The throat of the duct had passed me and my antennas began looking partially across it. Then all DX abruptly ended. Of course, this is all theory. I failed to check for DX in the early evening. I doubt if this type of tropo was present even three hours earlier. Opening was very frequency sensitive, covering only the lower UHF and upper VHF spectrum. There were many unidentified stations.

Also of interest-Chicago 2 and Springfield MO 10 have their calls on their sync bars. Moline 18 has their ID on the screen almost continuously in the early AM during programming. Poplar Bluff, MO 15, Pine Bluff and Little Rock were seen with C/B and ID throughout the early AM.

Corrections to my last report: KCWB is the official call of the new Kansas City 29. K61GC in Wichita is not carrying any programming from Oklahoma City 52. I recall them having a religious show: This was brought to my attention by two members. My official source of info at the nearby library failed me again.

Dave Pomeroy, 2321 SE Libra Ct., Topeka, KS 66605-3505

| | | mber | | 20 | | | CD |
|----|----|--------|-------|----|-------|------------|--------------|
| US | u | I- IVI | WITTE | 45 | MIN | Minnea | polis |
| | | | | | | Minnea | polis |
| | | | | | | Austin | |
| | | | | | | | e (ex K14HY |
| | | 0.500 | | | | | y (over KUHJ |
| 10 | tr | 0530 | | | | | es KSTP-5 |
| | | | | | | Appleton | |
| | | | | | | Milwauk | ee |
| | | | WQRF | | | Rockford | |
| | | | KSBI | | | Oklahon | |
| | | | | | | Edmond | |
| | | | unID | | | | The Box* |
| | | | | | | Ponca C | |
| | | | | | | Oklahon | |
| | | | | | | | n KAKE-10 |
| | | | | | 70,00 | LaCross | - |
| | | | WHLA | | | LaCross | |
| | | | KTVC | 48 | | Cedar Ra | |
| | | | unID | | | | r for KSTP-5 |
| | | | K56AF | 56 | IA I | Clarinda | KMTV-3 |
| | | | K64AH | 64 | IA (| Clarinda | KDIN-11 |
| | | | KXLT | 47 | MN | Rochest | er |
| | | | K46AA | 46 | MN | Godahl | KTCA-2 |
| | | | KMEG | 14 | IA ! | Sioux City | 1 |
| | | | K54AC | 54 | MN | Godahl | WCCO-4 |

| 07 | Es 1900 | WPBT | 2 FL Miami | |
|----|---------|-------------|-------------------------|-----|
| | | WEDU | 3 FL Tampa | |
| 13 | tr 0600 | WMAV | 18 MS Oxford | |
| | | WICS | 20 IL Springfield | |
| | | unID | 56 Bloomberg News | SE |
| | | WBMG | 42 AL Birmingham | |
| | | WAAY | 31 AL Huntsville | |
| | | WZDX | 54 AL Huntsville | |
| | | KSBI | 23 MO Cape Girardeau | |
| | | | 24 TN Memphis | |
| | | KDNL | 30 MO St Louis very str | ong |
| | | WCFT | 33 AL Tuscaloosa | |
| | | WABM | 68 AL Birmingham | |
| | | WBUY | | |

The opening on the 13th was unusual as I seldom have tropo to the southeast.

Western TV DX

Danny Oglethorpe, P.O. Box 6688, Shreveport, LA 71136-6688

| 19 | tr | nber 1 2300 1630 | KTBC | 7 TX 9 OK | | 277 303 |
|----|-----|------------------------|--------------|---------------|-----------------|------------|
| | | | | 13 OK | | 303 |
| | | | KOCO | 5 OK | | 303 |
| | | 1655 | KTUL | 8 OK | | 288 |
| | | 1805 | | 4 OK | | 303 |
| | | | | 25 OK | | 303 |
| | | | | 14 OK | VOIGHUVOOD ID | 303 546 |
| | | | KOOD | 9 KS | KSKW/KOOD ID | 288 |
| 24 | | 0035 | KJRH XERV | 9 TA | | 513 |
| 21 | | | | | Mexico | 0.0 |
| | - | 0215 | | | O ID 0236 | |
| | tr | 0350 | KVUE | | Local off | 277 |
| | - | | KMOL | 4 TX | | 347 |
| | | 7,500 | KENS | 5 TX | | 347 |
| | | | KLRN | 9 TX | | 347 |
| | | | KEDT | 16 TX | | 385 |
| | | 1357 | XHAB | 7 TA | XERV still in | 503 |
| | | | XHFOX | 17 TA | | 513 |
| | | | | 25 TX | | 314 502 |
| | | | KVEO | 23 TX 8 TX | | 481 |
| | | 1655 | KGNS | 7 TX | | 277 |
| | | | | | Local still off | 277 |
| | | | KXAN | 36 TX | Coodi oili oil | 277 |
| 22 | tr | | KAFT | | Snowfree | 254 |
| | | | KOLR | | "Color 10" | 335 |
| | | 0145 | | 8 OK | | 288 |
| | | | KWTV | 9 OK | | 303 |
| | | | | 27 MO | | 335 |
| | | | KOZK | | | 335 |
| | | | | 25 OK | | 303 |
| | | | KOCO | 5 OK 13 MS | | 319 |
| | | 1330 1358 | | | | 319 |
| | | 1330 | WPMI | 15 AL | | 355 |
| | | 1400 | 7.7.4 (45.4) | | | 355 |
| | | | WXXV | | | 309 |
| 23 | tr | 0010 | KTXT | 5 TX | o/u KXAS | 476 |
| | | 0020 | KFDA | 10 TX | "NX Channel 10" | 501 |
| | | 0025 | | 11 TX | | 476 |
| | | | KLBK | 13 TX | | 476 |
| | | | KAMC | 28 TX | | 476 348 |
| | | | KRBC WHBQ | 9 TX 13 TN | | 285 |
| | | | KAIT | 8 AR | | 295 |
| | | | KETC | | Auction | 475 |
| | | 0315 | | 9 MS | | 319 |
| | | | | | still in weakly | |
| | | | | 13 MO | | 435 |
| | | | KDNL | 30 MO |). | 475 |
| | | | KDKA | 2 PA | | 945 |
| 28 |) E | | unIDs | 2 | North | |
| | | 0115 | | | NBC; SE | 000 |
| | | 0117 | | | | 939 |
| | | 0125 | | | | 828 |
| | | 0455 | WPTVt | | Baseball | |
| | | 0100 | Cuba | 2,4,5 | Spanish | |
| | | 0245 | | | | |

| | | 0310 | KASAt unIDs | | | XEW, | XHGC-5, | others |
|----|----|--------|----------------|------|----|-------------|---------|--------|
| 30 | tr | 0930 | KEMV | 6 / | AR | AETN | bars | 257 |
| De | ce | mber 1 | 996 | | | | | UTC |
| 01 | tr | 0345 | WMAH | 19 1 | MS | | | 319 |
| | | 0350 | WMAV | 18 / | MS | | | 279 |

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

| Equip | ment: |
|-------|--|
| | on 1987 model 872 VCR used as the tuner |
| | of a 9" B&W Keepsafer CCTV monitor. |
| Arche | r V-100 and 8-bay bow-tie UHF array at 20' |
| ACI | with rotor |

| October 1996 | | UTC |
|-----------------------------------|----------------------------------|-------------|
| 16 Es 0158 KOTA | 3 SD Rapid City | 1039 |
| 23 Es 1832 XHBC | 3 BCN Mexicali | 1022 |
| 1858 KEYT | 3 CA Santa Barbara | 1295 |
| November 1996 | | 10000 |
| 05 Es 2315 WBTV | 3 NC Charlotte | 1090 |
| 2326 WSB | 2 GA Atllanta | 886 |
| | 31 LA Alexandria | 387 |
| | 33 LA Baton Rouge | 441 |
| 0605 KNOE | 8 LA Monroe | 430 |
| | 56 TX Jacksonville | 264 1238 |
| 24 Es 1424 WJBK | 2 MI Detroit | 1076 |
| 2012 WDTN | 2 OH Dayton 2 IA Cedar Rapids | 960 |
| 0143 KGAN | 3 WI Madison | 1062 |
| 0143 WISC | 3 Wi Madison | 1002 |
| December 1996 02 Es 0101 XHIXG | 2 GR Ixtapa | 835 |
| 06 tr 1223 WAFB | 9 LA Baton Rouge | 446 |
| 08 Es 0028 KMTV | | 829 |
| 09 Es 2132 XHI | 2 CI Torreon | 700 |
| 10 Es 0005 XHBC | 3 BCN Mexicali | 1022 |
| 0107 KVBC | 3 NV Las Vegas | 1052 |
| 1900 WCBD | 2 SC Charleston | 1139 |
| 11 Es 2135 XHP | 3 PU Puebla | 715 |
| 2152 XHAP | 2 GU Acapulco | 870 |
| 2227 XHHHN | | ? |
| 13 Es 0059 WCBD | | 1139 |
| 14 Es 0028 WEDU | 3 FL Tampa | 994 |
| 16 Es 0123 XHBC | 3 BCN Mexicali | 1022 |
| 0235 KCBS | 2 CA Los Angeles | 1186 |
| 20 Es 1353 WSAV | | 1040 |
| 1429 WCBD | 2 SC Charleston | 1139 |
| 1457 KGAN | | 960 |
| 1654 KVBC | 3 NV Las Venas | 1052 |
| 1654 KVBC 1729 XHBC | 3 BCN Mexicali | 1022 |
| 24 Es 0200 KVBC | 3 NV Las Vegas | 1052 |
| 28 tr 0015 KLRT | 16 AR Little Rock | 512 |
| January 1997 | | UTC |
| 03 Es 1800 KGAN | 2 IA Cedar Rapids | 960 |

Many unID Mexican Azteca Net via Es during December. (They have the net ID in the VBI.) Otherwise just much waiting for "random" superimposed IDs in various corners of the screen!

Strange after 35 years seeing Ch. 2 from Charleston SC now NBC instead of ABC (back to the days of

Western TV DX (Pat Dyer's report concludes)

WUSN)-almost 350 loggings of them over that span (with most of those since 1972).

Jeff Kruszka, 5024 S. Braxton Ave., Baton Rouge, LA 70817

November 1996

| 20 | tr | 2116 | XHABI | - 7 | TA | SS | |
|----|----|--------|-------------|------|-----|--|-------|
| | | 2157 | KEDT | 16 | TX | | 425 |
| 22 | tr | 2113 | KLRT | 16 | AR | ad for UPN 381? | 305 |
| | | 2134 | KPOM | 24 | AR | "NBC 24" Note 1 | 400 |
| | | 2205 | KATV | 7 | AR | solid! | 305 |
| De | ce | mber 1 | 996 | | | | |
| 03 | tr | 0718 | WFCTt | 66 | | | |
| | | | WBHS | 50 | FL | | 550 |
| 04 | tr | 2201 | WFBI | 50 | TN | ID | 325 |
| | | 2213 | KLTS | 24 | LA | LPB to NW Note | 1 210 |
| 09 | tr | 2053 | S. Texa | s Ul | HFs | in | |
| 13 | tr | 2102 | WNGM | 34 | GA | ID | 515 |
| | | | WATLt | 36 | GA | Seinfeld | |
| 14 | tr | 0930 | WNGM | 34 | GA | | 515 |
| | | 0935 | WFTX | 36 | FL | ************************************** | 620 |
| | | | WBSV | 62 | FL | | 575 |
| | | 0944 | WHSG | 63 | GA | | 490 |
| | | 1014 | WTBS | 17 | GA | "TBJ" ID | 455 |
| | | 1023 | WKCF | 18 | FL | "WB 18" | 575 |
| | | | | | | | |

Note I-KLPB off the air for several weeks due to a blown transmitter (lightning damage?). This is one of only a couple of ways I could have ID'ed this station (KLTS). In New Orleans, I got lucky one morning when KLTS signed on before KLPB, and I could tell the difference due to the difference in signal strength. But I have not gotten enough openings from Shreveport here in Baton Rouge to witness the same.

No E-skip this December. Happy New Year!

Dennis P. Smith, 3703 Dixon St., Santa Barbara, CA 93105-2419 (805)687-7803

This report is for December 1996. In addition here some 1996 DX notes from occasional (though infrequent) days in Wasco, near Bakersfield.

In Santa Barbara, south-coast tropo to San Diego/Tijuana (175-200 miles) was fair-good during periods of quiet stability and inversion layering between storms on December 2-3, 19-20, and 24 through morning of 26.

In Wasco (my old original DXing town), my present antenna is only a UHF 4-bay bow-tie/reflector at approx. 16 feet above ground, attached to a recentlypurchased used Teknika TVC-22 TV tuner with small Sears B&W TV. With this, HPTVs are consistent to 100 miles, with some variation to 150 mi., and occasional weak tropo to Sacramento transmitters at aprox. 215 mi. Some LPTVs are consistent to 100 mi., depending on ERP and xmtr QTH. A new LPTV since summer 1996 is K28EM (TBN) Mariposa, poorfair (poss. consistent) at approx. 145 mi., when local KBAK-29 is off for the night, first seen July 13. On Sept 7, with tropo up slightly, K63EC Planada (KMPH-26 xltr) was seen, very poor but in-sync visual (aprox. 145 mi.) And, on Oct. 10, tropo was even better, allowing new K14JP (A1 network) Modesto/Turlock to be seen (aprox. 175 mi.), poor but steady visual and aural, and not seen since then.

Fernando Garcia, Apartado 30, Suc B, Cd Guadalupe, NL, 67181 MEXICO 1800' ASL, No relogs in the same month, only tropo over 500 miles.

Equipment

Sony KV-27EXR15, Screened CM 7'dish 85', RG11, UA900 amp. Sony KV-13TR27, CM 1110 30', CM 8 bay UHF array 60' with R. Shack amp.

| De | ember | 1996 | | | CST |
|----|-------|---------|-------|-----|-----------------------------|
| 5 | 0630 | XHWDT | 46 CU | 100 | XEW-2 |
| | 0645 | KETK | 56 TX | 533 | "East TX Chevy dealer, NBC" |
| | 0700 | KFXK | 51 TX | 557 | FOX |
| | | unid | 47 | | "TBN, suspect of KWHB" |
| | 1900 | KADN | 15 LA | 586 | FOX |
| | | WLAE | 32 LA | 694 | Calls on screen blm right |
| | | WNOL | 38 LA | 694 | WB38 |
| | | WGNO | 26 LA | 694 | ABC26 //KAVU-25 |
| | | WCCL | 49 LA | 688 | HSN |
| | 2045 | \$ WUPL | 54 LA | 705 | UPN |
| | 2115 | K69HD | 69 LA | 586 | "WB, ""KLAF""" |
| | | K46CR | 46 LA | 645 | VJN |
| | | K46DG | 46 LA | 587 | //K69HD |
| | 2130 | WPAN | 53 FL | 869 | """Blob""" |
| | | WMPV | 21 AL | 842 | TBN //KLUJ-44 |
| | 2200 | WDBD | 40 MS | 754 | Watson Ford adv. |
| | | KLAX | 31 LA | 618 | "Action News, 31 Blue" |
| | | KLPA | 25 LA | 619 | LPB |
| | 2215 | \$ WMAU | 17 MS | 697 | MS educ |
| | 2230 | K65FV | 65 LA | 572 | INSP |
| | | K59DG | 59 LA | 688 | TBN |
| | 2245 | KLFT-LP | 21 LA | 592 | VJN |
| | 2300 | WHBR | 33 FL | 838 | "ID, Rel." |
| | | \$ WMAW | 14 MS | 807 | //WMAU-17 |
| 6 | 0230 | W36AC | 36 MS | 710 | TBN |
| | | K51EC | 51 LA | 532 | TBN |
| | | K52EV | 52 LA | 574 | "WNTZ-48, FOX" |
| | | | 38 AR | 772 | "Bars, big 38 UPN" |
| | 0245 | K61G0 | 61 LA | 581 | "WNTZ-48, FOX" |
| | | W58B0 | 58 MS | 670 | TBN |
| | | K27EF | 27 LA | 689 | TBN |
| | | K67GL | 67 LA | 614 | "WNTZ-48, FOX" |

| ۷ | este | rn TV I | DX F. | Garcia | s's report continues) | | 0545 | \$ WFSG |
|---|------|--------------|-------|--------|------------------------------|-----|----------|-----------------|
| | 0300 | K47DW | 47 LA | 611 | "WNTZ-48, FOX" | | | WXTX |
| | 0000 | W45AA | | 739 | MS educ | | 0000 | e WJTC |
| | | WGIQ | 43 AL | 987 | "APT, SAP dif. MAIN" | | 0600 | WAAY |
| | | K39BJ | 39 LA | | WX on audio | | | \$ WAFF WBHS |
| | | WEXE | 31 GA | | "FOX 31, Garfield" | | | |
| | 0315 | unid | 33 | 0 0000 | "HSS, u/strong WVLA" | | DESE | \$ WPBA |
| | 9010 | K49DE | 49 LA | 596 | TBN | | 0615 | WPGA |
| | | W52BF | 52 AL | 818 | HSS | | | W47B |
| | 0515 | \$ WJSP | 28 GA | | "strong, GPTV in blue" | | 0630 | 48.77 |
| | 0530 | WAFB | 9 LA | | "strong, area News" | | 0630 | WLTZ * wroc |
| | 0000 | WAKA | 8 AL | 927 | "While 8, ph 271-2516" | | 0645 | \$ WTBS |
| | 0545 | \$ WGBC | | 834 | Prayer line (601) area code | 1 | | WEBI |
| | | \$ZWXXV | 25 MS | | starts 6:30 Garfield | | 0730 | WDSI |
| | | @ WMDN | 24 MS | | "Bars, slogan: "24 and you" | | 0800 | WSFA |
| | 0615 | \$ WCFT | 33 AL | | AL's ABC 33-4 | | | WFLI |
| | 0700 | \$ WAIQ | 26 AL | 959 | "APT, SAP dif. MAIN" | 1 | | K55H |
| | 0130 | \$ KVHP | 29 LA | | "strong, Baywatch" | | | W670 |
| | 0545 | & KLPB | 24 LA | | "Test pattern, LPB" | | 0015 | WXIA |
| | 9313 | &\$WLPB | | 638 | "Test pattern, LPB" | | 0815 | WTOK |
| | 0600 | \$ WYLA | 33 LA | | "ID, celebrating 25 years" | | 0825 | WLOX |
| | 0615 | K56DR | 56 LA | | TBN | | 0830 | WIJP |
| | 0700 | WVUE | 8 LA | | FOX | | 2000 | wie |
| | 0730 | WHNO | 20 LA | | "ID, Pet Playhouse" | | 2000 | WJSU |
| | 0615 | | 42 AL | 825 | "APT, SAP dif, MAIN" | 11 | 0400 | WCCB |
| | 0700 | KLTL | 18 LA | | "LPB, Barney" | 1 | | \$ WTXL |
| | | \$ WGMB | 44 LA | | "FOX, Cal Country 100.7" | | | @ WTWC |
| | 1313 | WNTZ | | 670 | FOX 48 | | | TATW |
| | 1930 | KARD | 14 LA | | FOX | | | \$ WCNC |
| | 1330 | K30EM | 30 LA | | "ph. (504), Fishing pr." | 1 | | unid |
| | 2130 | KFWD | 52 TX | | TMD //KLDO-27 | | 0415 | & WAGT |
| | 2130 | KDTX | 58 TX | | TBN | 1 | | ● WPGX |
| | | \$ WAPT | 16 MS | | "ID,First Jackson TV on web" | 1 | 0430 | @ WNTV |
| | 2145 | \$ WMPN | 29 MS | | //WMAU-17 | 1 | | & WRDC |
| | 2200 | WPMI | 15 AL | 838 | Springdale Mall adv. | | | WRAZ |
| | ZZUU | W46AV | | 783 | TBN | 1 | 0445 | ⊕ WJWJ |
| | 2230 | \$ KMSS | 33 LA | | FOX | 1 | | WFAY |
| í | 0115 | \$ W47BP | 47 MS | | MS educ | 1 | 0500 | unid |
| | UIIJ | \$ WIIO | 41 AL | 877 | SAP dif MAIN | 1 | | @ WYES |
| | | WHLT | 22 MS | | cci to local | | | \$ WKFT |
| | | WMCF | 45 AL | 965 | TBN (334) 277 4545 | | 0515 | \$ WJZY |
| | 0130 | WFGX | 35 FL | 892 | Psychic pay adv. | 1 | | |
| | 0200 | W43BF | 43 MS | | Big Calls | | | etwun |
| | 0200 | WABM | 68 AL | 966 | bly colls | | 0530 | WTVI |
| | 0270 | WHOA | 32 AL | | *ADC32 Community color-for | 1 | | WEVT |
| | 0230 | WITUA | JZ AL | 928 | "ABC32 Community calendar, | - | | \$ WAXN |
| | | | | | The Simpsons" | | 0600 | WITA |
| | | \$ WBMC | 42 AL | | "Calls, CBS42 on screen" | | 0.000000 | KDFI |
| | 0245 | \$ WITO | 21 AL | 969 | Homewood advs. | | | KHSX |
| | 0515 | WHSG | 63 GA | | "TBN, //WTJP-60" | | | KXTX |
| | | W51BY | 51 AL | | TBN | | 0630 | \$ WUNU |
| | | \$ WATL | 36 GA | | WB36 | 14 | 0530 | \$ KDAF |
| | | WGNX | 46 GA | | "Area news, 37=F8" | 1 " | 0715 | KINZ |
| | 0530 | WSWS | 66 AL | 1023 | "ID, Disney cartoons" | | 0745 | KMPX |
| | | WGNMI | 64 GA | | First Business | 22 | | |
| | | WDHN | 18 AL | 982 | ABC //WAPT-16 | 122 | 0300 | KSBI |
| | | WCOVI | 20 AL | | AG Day | | | K1B0 |
| | | WUPA | 69 GA | 1100 | "UPN 69, 69 in blue" | | U.11E | K26D |
| | | WAXC-LI | CA AL | 0.05 | "Calls, Alexander city,AL" | 1 | 0315 | K21D |

56 FL 929 SAP dif MAIN

31 AL 1028 31 Live News

48 AL 1027 "Calls, news"

30 GA 1103 PH (404) 815 303

47 AL 996 "advs, 47 on screen

38 GA 1036 "Today EST, 33=F8"

17 GA 1101 "Calls, Flipstones"

12 AL 955 "Today, 36=F8"

67 GA 1106 foreign language

40 AL 1025 ABC //KLAX-31

btm right"

61 TN 1105 "FOX 61 Kids club.Garfield"

13 MS 762 "Good Morning MS, 55=F8" 60 AL 998 "Full ID, translators

51,66,67"

27 FL 1031 "World News Now, ABC"

36 NC 1313 "NBC Nightside, "NBC 6" 23 First Business 26 GA 1225 "Block screen, 26 blm right"

29 SC 1237 Date and time on bottom

62 NC 1409 "FOX62, Dual ID 30-62"

40 NC 1430 conts. colls up right

46 NC 1314 "Calls in black, WB, (704) adv"

58 NC 1342 "UNC-TV time SAP dif Moin"

42 NC 1335 "Blue calls, 42 yellow,SAP" 55 NC 1314 "WB55, Mask Rider"

64 NC 1333 "Shepherds Chapel, advs."

27 TX 518 "hot tv 27, First Business"

31 NC 1408 "Adult Math, SAPdif Main"

29 TX 537 "TV 29" bottom right" 52 OK 692 "52 up left, small colls"

14 OK 705 TBN (405) 848 14

38 FL 1116 "Calls on audio, u/o WNOL"

This Morning Business

28 NC 1457 "Test pattern Big 28, UPN"

28 FL 952 Calls bottom right

50 NC 1444 "WB50, "Gordon"

16 SC 1272 SC ETV

12 1A 693 Bars

49 TX 518 HSN

68 TX 518 Worship

26 TX 577 TBN

21 OK 615 //KSBI-52

39 TX 518

33 TX 518

58 GA 1115 Good Morning America EST

54 GA 1037 u/WUPL

44 FL 842 ID Bors

50 FL 1116 HSN

50 TN 904 HSN

53 TN 1110 u/local 55 LA 596 "KLAF"

11 GA 1103

11 MS 834 ABC

18 NC 1332 HSS

40 FL 1030 NBC 24 SC 1331 FOX

Western TV DX (Fernando Garcia's report concludes)

| | 0330 | unid | 56 | | "n-nw, HSS" |
|----|------|-------------|----------|--------|-------------------------------|
| | | \$ KJTL | 18 TX | 598 | PRO LONG pay adv |
| | | K27AZ | 27 OK | 628 | TBN |
| | 0745 | KWMJ | 53 OK | 766 | |
| | 1015 | K36AB | 36 OK | 631 | PBS |
| | | \$ KOCB | 34 OK | 704 | "UPN Kids, loc out" |
| | | KJTV | 34 TX | 552 | advs. west Texas |
| | 1130 | K15DJI | 15 OK | | |
| 24 | 2315 | \$ WMAH | 19 MS | 770 | PBS//KMBH-6 |
| | 2330 | WABW | 14 GA | 1048 | "PBS, GPTV" |
| 27 | 0615 | KTLC | 43 OK | 706 | Educ |
| | | KWHB | 47 OK | 765 | Rel. ID at 7 AM |
| | | KOKH | 25 OK | 703 | Bananas in Pijamas |
| | 1900 | KLRT | 15 AR | 782 | FOX //XHFTX-57 |
| | | KVTH | 26 AR | 739 | "VIN, Family Showcase" |
| | | KSHV | 45 LA | 616 | THE DELIVERY HOPE ENGINEERING |
| | | KTXA | 21 TX | 518 | SAP same MAIN |
| | | KLDT | 55 TX | 544 | Shop at Home |
| 28 | 0215 | K35B0 | 35 TX | 579 | America on TV |
| | | K30DJ | 30 TX | 597 | |
| | 0245 | @ K24AD | 24 TX | 579 | "WCY-25, KERA-13" |
| | 0300 | KDOR | 17 OK | 795 | TBN |
| | | "unid ch | 67 VJN, | north" | |
| | 0645 | K59FX | 59 TX | 485 | Albany FOX //K54D1 |
| | 0830 | K568Q | 56 OK | | OETA |
| | | % unid ch ! | 4(strong | McAll | en-Brownsville heading |
| | 1100 | KTFO | | | PROLONG pay adv. |
| | | | | | |

This is my best month of December, the North Carolina UHFs came again to northeast Mexico on Dec. 11.

Thanks to David Austin, Doug Smith and Chip Kelley (via Doug) for help this month for ID of some of my catches.

This year began warmer than usual, helping for tropo DX in January. On Jan. 3 I got up to Topeka-Kansas City UHFs. This will be in my next report. I wish you all a great year for DX.

73 Fernando

Two Element Arrays With Broadband Nulls

Continuing the exposition which we began in the December issue. Nulling arrays are usually used for receiving, not transmitting. This is because their efficiency may be low. In the low VHF band, absolute gain is usually less important than directivity. What we want to maximize is the desired signal to interference ratio. Never mind that the interference might be a TV station 30 miles away, if what you're after is a station on the channel 1000 miles away, then the former is interference, something that you'd like to do away with without pulling their plug. This month we will limit ourselves to 2-element cancelling arrays. The geometery is illustrated in Figure 1. For simplicity, elements #1 and #2 are assumed to be identical,

say for purposes of this article, omni-directional vertically-polarized dipoles separated by a distance s.

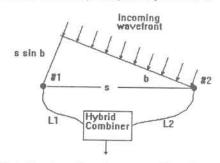


Fig 1. Plan view of two element array & wavefront

For an wave incoming at angle b, the delay of the signal at element #1 compared to #2 is s sin b. A wideband null is created in the combined antenna pattern when the cable delay difference (L.2-L1) = s sin b and the hybrid is a subtractive combiner. Instead, the phase may be inverted at the element (by transposing the feedline) and a common additive combiner may be used.

In the general case, a broadband null is produced for constant b, the locus of which is a cone centered on the axis between elements. The simplest case is an Adcock array, where L1=L2 and a null is produced for b=0° (and 180°). This configuration has the advantage of producing the null at a constant azimuth for all elevation angles. Figure 2 shows the relative pattern for a 2-element Adcock array for a spacing of 0.3 wavelength.

Adcock 2-el array w/Broadside nulls

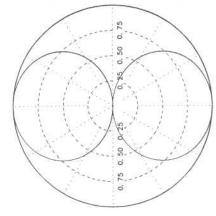


Fig. 2 Voltage Pattern of 2-element Adock array

Western TV DX concludes

A pattern with a single null may be obtained when the feedlines differ in electrical length by the spacing s. This pattern is plotted in Figure 3.



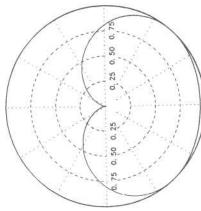


Fig. 3 Voltage Pattern of 2-el unidirectional array

In order that the voltages from the elements at the hybrid be equal, each element must see an identical load impedance. If the feedlines are not of equal length, they must be terminated in their characteristic impedance. A hybrid combiner fills this function, just make sure to use a 70 ohm combiner with 70 ohm cable, etc. Note that the elements are not necessarily matched to the feedlines, they just see the same load. If the cables are the same length then they don't have to be terminated perfectly.

Note that this pattern is a cardioid with a single null, at one azimuth and at 0° elevation. The cable lengths could be cut to produce a null in a cone 10° away from the axis betwen array elements. Then, at 0° elevation angle, nulls would be at 80° and 100° azimuth and at 10° elevation angle and 90° azimuth. The cable lengths can also be switched to provide a null in the opposite direction Due to coupling between the elements, it is difficult to get a null greater than 20-30 dB with this (unidirectional) type of array, and so we will not consider it further.

The patterns of Figure 2 and 3 are voltage patterns. 0.5 is equal to 6 dB down, 0.25 is equal to 12 dB down. We are more interested in the behaviour of the nulls beyond -20 dB. Figure 4 shows a plot of the 2-element Adcock antenna in dB relative to the maximum in the vicinity of one of the nulls for three values of element spacing, 0.1, 0.3, and 0.5 wavelengths.

(The solid line is for 0.1 wavelength spacing). The width of a 40 dB null is only ±1°. As it is difficult to get pointing accuracy this great (and for other reasons) in practice we may have to trim amplitude and line length (or use more elements) to do better.

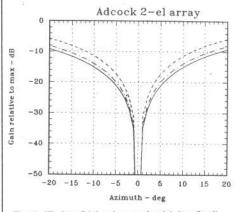


Fig. 4. dB plot of Adcock array in vicinity of null.

We have not gone into construction details of the Adcock-type 2-element array. Its elements are usually vertically-polarized. The element polarization adds some rejection of local stations and those propagated by tropo vs those propagated by ionospheric modes. Since most low-band VHF TV stations are primarily horizontally-polarized, pickup by the feedline connecting the elements to the combiner can be a problem. One version of the Adcock uses open wire feedline between the elements with a transposition. The Adcock does not require a hybrid as the lines are of equal length, but care must be taken to balance out the voltages induced in the feedlines. Another version of the Adcock places the feedlines inside a shield (Fig. 5).

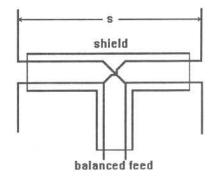


Fig. 5 Side view of shielded Adcock array

EASTERN TVDX

WILLIS MONK - WB5KHD P.O. BOX 1452 COLLEGEDALE, TN 37315

Hello to one and all. It's time once again for another episode of Eastern TVDX. (Read this and imagine a organ playing a funeral dirge in the background as in the days of old radio soapoperas) Today as our column opens we see Ye Olde Editor hard at work, with beads of perspiration falling from his brow and a worried look on his face hoping to be able to bet the dead line set upon him by the evil taskmaster. Trying to decipher the hand writing of the many reports that are sent in each month, he becomes weak with discourgement. However he continues to slave over a hot computer and battleing against the evil that lurks within it's circuits. But, never fear. Ye Olde Editor is filled with dedication lovalty and faithfull to the task as he rises to the thanklessness of the job.

Will He be able to overcome the hardships forced upon him by the evil taskmaster? Will he survive the evil of the computer? Only time can know the truth. But let us pause for this word from our sponcers.......

ROY BARSTOW

-...-

B ox 2488 Teaticket, Mass 02536

This is a conuation of Roy's report from the January issue....

SEPTEMBER 96

| OF | LICINID | EK 90 | | |
|----|---------|-------|----------|----|
| 5 | Tr | 2100 | WHSN-24 | MD |
| | | | WBOC-16 | MD |
| | | | WMPT-22 | MD |
| | | | WCPB-28 | MD |
| | | * | WNUV-54 | MD |
| | | | WBFF-45 | MD |
| | | 2130 | 20,26,32 | DC |
| | | | WBAL-11 | MD |
| | | | WJZ-13 | MD |
| | | | WUSA-9 | DC |
| | | | W42?? | PA |
| | | | W42AJ | DC |
| | | 2200 | WTMW-14 | VA |
| | | | WMDT-47 | MD |
| | | | W48AW | DC |
| | | 2230 | WNVC-56 | VA |
| | | | | |

| Roy | 's repor | t continued | | |
|------|----------|----------------------|--------------------------------------|----------|
| | ****** | | WTKK-66 | VA |
| | | 2250 | WFPT-62 | VA |
| | | 2300 | WHAG-31 | MI |
| | | | WLFY-15 | PA |
| | | 2315 | WITF-33 | PA |
| | | | W46BL | PA |
| | | 2315 | WLVT-39 | PA |
| | | 2345 | W42AC | VA |
| | | | WHTM-27 | PA |
| 6 | Tr | 0100 | WMPB-67 | MI |
| | | 0200 | W14BN | VA |
| | | | STATION 2 | |
| | | 0245 | WHAG-25 | MI |
| | | 0320 | WGPT-36 | MI |
| | Tr | 0340 | WGAL-8 | PA |
| | 2577 | 0415 | WPMT-43 | PA |
| | | 0445 | WHP-21 | PA |
| 17 | Es | 1245 | WCBD-2 | SC |
| 0.00 | 755 | 1300 | WSAV-3 | GA |
| | | 1915 | KTVO-3 | MC |
| | | | | |
| | TOBER | | 20.22.0000000000 | 10012 |
| 1 | Tr | 1915 | WHYY-12 | DE |
| | | | WCAU-10 | PA |
| | | 1925 | WVEC-13 | VA |
| | | 2000 | WVTR-20 | NY |
| | | 2015 | WOCD-55 | NY |
| | | 2100 | WRLH-35 | VA |
| ~ | | | WMTW-14 | VA |
| | | | log-I thought that d Springs,Me.) | WMI |
| was | channel | 8 III Polani | WUNP-36 | NC |
| | | 2300 | WRMY-47 | NC |
| | | 2305 | WRDC-28 | NC |
| | | 2303 | W36BK | VA |
| | | 2310 | WVIR-29 | VA |
| | | 2310 | WTVD-37 | 7?? |
| | | 2313 | | |
| | | 2220 | WTVD-11 | NC |
| | | 2320 | WWBT-12 | VA |
| 2 | T | 2330 | WTKR-3 | VA |
| | Tr | 0005 | WBCD-50 | DC |
| 2 | | | WFPT-62 | MI |
| 2 | | 0055 | WEKW-52 | NH |
| 2 | | | | 200 |
| - | | | W15BK | |
| - | | 0225 | WWPB-31 | NH ME |
| 6 | Tr | 0225 0230 2300 | | |

| | | | WETM-18 | NY |
|------|-------------|--------------|--------------------|----------|
| 7 | Tr | 0030 | WPDE-15 | SC |
| 100 | 200 | | WRDC-28 | NC |
| | | 0040 | WUNV-31 | NC |
| | | 0045 | WKFT-40 | NC |
| | | 0055 | WNCN-17 | NC |
| | | 0056 | WLFL-22 | NC |
| | | 0110 | WTAT-24 | SC |
| | | 0202 | WWPB-31 | MD |
| | | 0202 | WGPT-36 | MD |
| | | | WRLH-35 | VA |
| 7.51 | EPTEME | BER 1996, o | | |
| | Tr | 0210 | WSFX-26 | NC |
| | | 0230 | WXLV-45 | NC |
| | | 0245 | WJPR-21 | VA |
| | | 02.0 | WVFT-27 | VA |
| | | 0300 | WCNC-36 | NC |
| | | 0,500 | WTVI-42 | NC |
| | | | WJZY-46 | NC |
| | Tr | 0310 | WKBS-47 | PA |
| | 11 | 0310 | WSET-13 | VA |
| | | 0410 | WOLO-25 | SC |
| | | 0410 | WTWB-19 | PA |
| 7 | Tr | 0440 | WCCB-18 | NC |
| 1 | 11 | 0500 | WLTX-19 | SC |
| | | 0525 | WRLK-35 | SC |
| | | | | VA |
| | | 0550 0615 | WBRA-15 WUNE-17 | NC |
| | | | | VA |
| | | 0655 | WSET-13 | |
| | erra: | 0700 | WVIR-29 | VA |
| 8 | Tr | 0030 | WEKW-52 | NH |
| | | | W69AD | VT |
| | | 0100 | WRNN-62 | NY |
| | | 0100 | WMGC-34 | NY |
| | | 01.45 | WENY-36 | NY |
| | | 0145 | CKCW-2 | NB |
| | | 0150 | CBCT-13 | PEI |
| | | 0155 | W24BB | PA |
| | | 0200 | WETM-18 | NY |
| en- | 3 THE 33 PE | 0215 | CH. 21 SHOP | PING |
| SPI | REE-WE | | Weeps wes | (D 3 / 4 |
| | | 0230 | W65BX-WDN | |
| | | 0245 | 38, 56 | PA |
| | | | T-LOCAL QUAL | |
| | | 0253 | WPGH-53 | PA |
| | | 0300 | W19??? | PA |
| | | 0310 | WOIO-19 | OH |
| | | 0315 | WKBN-27 | OH |
| | | 0320 | W14AH | NY |
| | | 0345 | WYTV-33 | OH |
| | | | WHTM-27 | PA |
| | | 0410 | WSEE-35 | PA |
| | | 0415 | WJET-24 | PA |
| | | 0430 | WNEO-45 | OH |
| | | | WGGN-52 | OH |
| | | 0450 | WILF-53 | PA |
| | | 0510 | WHIZ-18 | OH |
| | | | | |

| 0550 | WUPW-36 | 0 |
|------|---------|---|

ROY'S COMMENTS:

The Es this season was one of the best in many years. Eric Voytko sums it up best when he says "it was rainning Es" in July. With all the storms, we in the east were loaded with Es, while out in the west with dry weather they didnt fare as well.

Tropos took a vacation in september but came back in october. On the morning of 7 Oct. with tropical strom Josephine in florida, DX was in along the coast to s.c. but did not stay on the coast for long. Inland stuff started coming in and best DX into NC for many years. Florida UHF is nice to pick-up but to tell you the truth I would rather be seeing some inland DX. On the morning of the 8th with the remnants of Josephine around VA another opening to the west was in. The best ever DX to Ohio.

Ohio was coming in at a good level but nothing west of WUPW-36. There was a front located norteast to southwest along the N.W. section of Ohio. This wall I could not penetrate. This was DXers heaven for two nights.

JEFF WOLF

14302 Astrodome Drive, Silver Springs, MD 20906

WXTV-41

| AL | IGL | JST | 1996 |
|----|-----|-----|------|
| | | | |

| 5 | Tr | 2230 | Zero and 20kh | z CCI ove |
|----|----|------|---------------|-----------|
| | | | WGAL-8 | PA |
| 10 | Tr | 0915 | WPDE-15 | SC |
| | | | Unid-24 | |
| | | | Unid-31 | NC(1) |

0500

OCTOBER 1996

| 2 | Tr | 0902 | zero CCI over V | VWBT-12 |
|---|----|------|-----------------|---------|
| 7 | Tr | 0532 | WBRE-28 | PA |
| | | | zero CCI on | |
| | | | ch.13,16,25,35 | |
| | | 0542 | WTA I-10 | PA(2) |

DECEMBER 1996

| 19 | Es | 1657 | MUF TO CH. | 4 |
|----|----|------|------------|----|
| | | 1659 | WPBT-2 | FL |
| | | 1707 | WESH-2 | FL |

(1) Sesame Street zero beat to WWPB-31 MD (2) ID "Storm Tracker 10" Mention of State College Local news.

DAVE NIEMAN

Ho Sta Geh Rd., Rock City, NY 14749

| DEC | EMBE | R 1996 | | |
|-----|------|--------|---------|------|
| 22 | Tr | 0829 | WTAP-15 | WV |
| | | 0834 | W41AA | WV |
| | | 0900 | WFWA-39 | IN |
| | | | WANE-15 | IN |
| | | 0921 | WPTO-14 | OH |
| | | 0930 | WFTE-58 | IN |
| | | 0940 | WLKY-32 | KY |
| | | 0941 | WOSU-34 | OH |
| | | 0945 | WKMR-38 | KY |
| | | 0953 | WDRB-41 | KY |
| | | 0955 | WCET-48 | OH |
| | | 1011 | WSTR-64 | OH |
| | Tr | 1014 | WTTE-28 | OH |
| | | 1030 | W39AZ | WV - |
| | | 1037 | WKOI-43 | IN |
| | | 1045 | W51BI | OH |

DOUG SMITH

1385 Old Clarksville Rd, Pleasent View, Tn 37146

| | | R 1996 | | |
|-----|-------|--------|--------------------|-----------|
| 18 | Tr | 2336 | WCFT-33 | AL |
| | | | WBMG-42 | AL |
| | | | WTTO-21 | AL |
| 19 | Tr | 0706 | WIIQ-41 | AL |
| | | | unID-63 weak | religious |
| | | | Miss ETV on 1 | |
| 19 | Tr | 0718 | WLOV-27 | MS |
| | | 0725 | WJTV-12 WAPT-TV | MS |
| | | | WAPT-TV | MS |
| | | 0749 | WGNX-46 | GA |
| | | | WUPA-69 | GA |
| | | | WJSP-28 | GA |
| | | 0819 | WHSG-63 | GA |
| DEC | CEMBE | R 1996 | | |
| 6 | Es | 1700 | MUF TO CH 4 | ı |
| 8 | Es | 1900 | unID 2,3 MEX | ICO |
| 10 | Tr | 0852 | WLBT-3 | MS |
| | | | WTVA-9 | MS |
| | | | WVTM-13 | AL |
| | | | WAPT-16 | |
| | | | WMAU-17t | MS |
| | | | WLOV-27 | MS |
| | | | WMPN-29 | MS |
| | | | WIIQ-41 | |
| | | | WBMG-42 | AL |
| | | | WTTO-21 | AL |
| | | | WCFT-33 | AL |
| | | | | |

WJSU-40

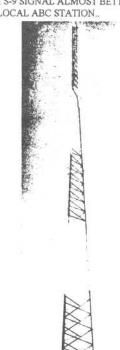
| Doug,s report cont | | |
|--------------------|-------------|---|
| (WNAL-44 NOT | SEEN,OFF??) | |
| | WBIQ-10 | A |
| 0916 | WHSG-63 | (|

WILLIS MONK

Box 1452 Collegedale, Tn

| JA1 | NUARY Tr | 1997 2330 | KATV-7 | AR |
|-----|-------------|--------------|--------------|------|
| - | *** | 2000 | WLOS-13 | NC |
| | | 0000 | WREG-3 | TN |
| (| COVERD | NG THE LO | DCAL CH 3 | |
| | | | KTVE-10 | AR |
| | | | WAFF-4 | SC |
| KA | TV-7 W. | ASCARRI | NG THE SUGAL | ROWI |

WITH S-9 SIGNAL ALMOST BETTER THAN THE LOCAL ABC STATION.

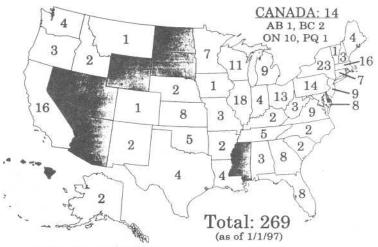






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