THE WORLDWIDE TV-FM DX ASSOCIATION

Serving the UHF-VHF 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 BROADCASTING SIGNALS AT VHF AND UHF. WTFDA IS GOVERNED BY A BOARD OF DIRECTORS: TOM BRYANT, GREG CONIGLIO, BRUCE HALL, DAVE JANOWIAK AND MIKE BUGAJ.

Editor and publisher: Mike Bugaj
Circulation: Mike Bugaj Treasurer: Dave Janowiak
Editorial Staff: Tom Bryant, Greg Coniglio, Victor Frank, George W. Jensen,
Jeff Kruszka, Keith McGinnis, Fred Nordquist, Matt Sittel, Doug Smith,
Thomas J. Yingling, Jr., John Zondlo

ANARC Rep: Jim Thomas, Back Issues: Dave Nieman, Original Cover Design: Harry Hayes

CHECK THIS LIST!

In order to keep your VUD arriving at your home without interruption, look for your name on this list. Your membership ends on the last day of the month shown. Renew *early!*

September

Joe Fela Jeff Kadet
Paul Kinnaly Kurt Nelson
Ed Hanlon Jim Renfrew
Eric Voytko FJ Issard
Bill Smith Eric Cooper
John T. Ridge Bill Black

Cliff Raimes

October

Bill Mitchell Robert Delaney
George Hamer Mituhiro Hukunaga
Keith Short Dr. Joel Rosenburg
Edward Sirovy Steve Solomon
Steve Branch Jeff Kitsko
Karl Zuk John Callarman

If you have already renewed and see your name here, please disregard it. Check the Mailbox. Your name may already be there.

CONTENTS

Page two	2
The Mailbox	3
TV News – Doug Smith	5
Meteor Shower Guide	11
Photo News – Jeff Kruszka	12
Eastern TV DX – Matt Sittel	13
Satellite News – George Jensen	16
Western TV DX – Victor Frank	17
Ask WTFDA	22
Southern FM DX – John Zondlo	23
FM North Report -Keith McGinnis	29
WTFDA://Online - Saul Chernos	47
TV Time Tunnel –Tom Bryant	49
DX Equipment	51
Decoding PI Codes -Doug Smith	53
Renewal Form and more	55

This months feature from Doug Smith shows us RDS fans how to take a simple PI code and with a little mathematical magic change it into the station's call letters. Rich Wertman gives us two pages of

equipment bargains. Saul Chernos shows us ways to solve our unidentified stations using the internet. And Greg Coniglio promises a monster FM News column for next month. Enjoy.

VUD GETS NEW EDITOR / PUBLISHER

For the second time this year, WTFDA's monthly news publication is undergoing a change of Editor/Publisher.

Effective with this issue, Mike Bugaj is in charge of getting the VUD to you. This is his first venture at publishing, so kindly be patient if there are unexpected glitches.

Paul Swearingen, who volunteered to fill in after the sudden resignation of Bill Thompson, and put out the May through August issues, deserves a round of applause for keeping the VUD rolling off the press during the period of transition. We sincerely appreciate his willingness to pitch in at a time when we desperately needed a helping hand.

In addition to assuming the publishing duties, Mike will continue to act as WTFDA's communications/circulation coordinator. You may contact him at P.O. Box 501, Somersville, CT, 06072, or mbugaj@snet.net or mikb46@yahoo.com.



Mike Bugaj <u>Mbugaj@snet.net</u>

SEPTEMBER 2001



Welcome to the September Mailbox. This month marks a change in publishers, and with that change always comes the possibility of a foul-up somewhere along the line. I'd like to hear about any problems or complaints you might have, and I also want to know whatever went right. It's another of life's learning experiences and in a month or two we should have all the bugs worked out. Thanks for your co-operation.

You will notice a couple of changes this month. The first is that page two looks slightly more like the older VUDs with a twist. The inside back cover has a renewal form that should make Fred Laun

happy. And sandwiched between the two end pages are lots of goodies by all our valiant VUD editors.

MEMBERS, ETC.

This time around we welcome **Charles Kaeff** (W4EFB) to the WTFDA. Charles was a WTFDA member in eons past and lives in Covington, KY. He found us on the internet, sent me an email and the rest is history. Welcome Charles and welcome home!

Over on the renewal side, we have renewals from **Keith Short**(OH), **John Zondlo**(OK), **Bill Burrows**(PA), **Ronald Purdue** (MN), **Buffalo Bob Smolarek**(NJ), **Eric Sundius**(AZ), **John Lentz**(WI), **Dennis Smith(CA)**, **Bill Mitchell**(OH), **John Tudenham**(MO), **Randy Miltier**(OR), **Robert Williams**(ID), **Ed Sirovy**(IL) and **Bob Seybold**(NY). **Paul Mount**(NJ) is back for another year as an Associate Member on the WTFDA list.

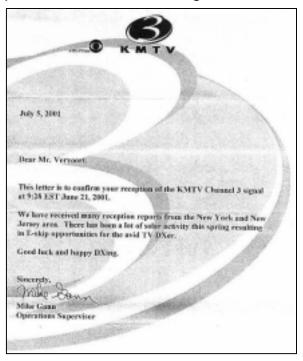
John Tudenham sent a note along with his yearly dues. John said he wouldn't be able to make the WTFDA convention but would be at the IRCA convention in St. Louis. John reports a good E skip season at his house but not much tropo (although by the time you read this, that may have changed dramatically.) John also reports hearing a pirate locally on 87.9 which he says originates in Springfield, MO and can be heard weakly in Joplin.

WTFDA member **George Rogers** sent a note that said in part "I had not received the VHF-UHF Digest in the last two months and I'm real upset about it." Well George, not to worry

because you should have the missing VUDs there by now. Friends, if you find that the VUD doesn't get delivered to your house one month, don't assume that either the VUD has been discontinued or the club is laying on the floor with its feet straight up in the air with no pulse. That is not going to happen.

John Vervoort wrote in to show us a copy of a verification he got from KMTV-3 in Omaha. The verie letter was signed by Mike Gann, Operations Supervisor, who actually took the time to reply to a TV Dxer!

Here is a picture of that letter from KMTV. Since it gets harder and harder every day to persuade stations to verify, this letter is a welcome sight and we should thank Mr. Gann in Omaha for taking the time out of his busy schedule to send a verie letter to one of our members. By the way, nice catch John!



Once again a packet of mail came from our old Buffalo post box and once again we step into the twilight zone. One letter contained a tape which is labeled "96.7 FM the Undaground" and a Columbus, OH address. The letter that accompanied it says the Undaground"...we are the best radio/tv station in the cosmos. I'm Frankie B, your host...we are the new money makers in communication around the world." So, I put the tape in the deck and put the phones on and gave it a listen. It appears to me to be a pirate in Columbus on 96.7 that sounds a lot like Hot 97 in NYC or Hot 93.7 in Hartford, except that the audio stinks and every other work is a profanity. I was able to listen to about 7 minutes of it. Who knows why they sent it to the WTFDA, but I now have another cassette tape to use for Dxing.

Another letter simply said "Please send info on our club OK." The return address was mostly unintelligible.

A third letter was interesting. It came from a TV/FM Dxer in Florianapolis, Brazil named Claudio Morales. I've seen his name on the internet related to TEP DX. Claudio sent a long list of unids he needs help with identifying. Most of the Unids are from the Caribbean area. It is a neatly handwritten letter and I'm in a quandary as to what to do with it. I'm hoping I can find an email address for this fellow because we can be in contact almost immediately and not wait for the mail to swim to Brazil and back.

And lastly, the mail from Buffalo had a copy of the Benelux DX Club Bulletin enclosed. Most of the info contained is shortwave related but in the back I found an FM column edited by NL DXer Ruud Brand with tropo and E skip logs listed by frequency. There are two other TV DX related columns and some nice test pattern pictures. The only drawback is that 99% of the bulletin is not in English.

MY FIRST E-SKIP

This month we switch gears a bit and tell you how and when Dxers noticed their first skip. **Neil Kazaross** steps up to the keyboard and types: "My first experience with E skip occurred over Christmas 1962 when I was home from nursery school for Christmas vacation. I was 4 3/4 years old at the time and, being the only child around, my parents had taught me how to operate the rotor (needed to optimize Boston or Providence TV) and also how to sound out simple words.

Anyhow, there was something on 2 with Kids singing Christmas Carols and I turned the rotor and it was best from an unusual direction SSW and ID as Miami. I ran to my Mom and told her I had Miami on TV and was really disappointed when she didn't believe me. Well, 30 minutes later, I had her sitting with me, when I said, "See, Mommy, that says Miami." Thanks Neil and the jury is still out on this one.

NO MORE ATTENUTORS?

A very recent email from **Andy Bolin** contained info about the Radio Shack 15-578 attenuator. It goes like this: "The Radio Shack 15-578 attenuator is no longer available as an in-store item. Some stores still have them in stock and most stores are willing to special order for you. You may order yourself by calling 1-800THE-SHACK or you may purchase from me when ordering any phaser. \$8 each, any quantity, no shipping or handling charges as long as you are purchasing a phaser.

For the hardcore Dxer I am also offering a modified 15-578 hand built 0-25db attenuator using a military grade control. Bet you won't wear this one out! Works on VHF channels 2-13 and FM, passes UHF. Control has 310 degrees of rotation. \$55 any quantity with free shipping when ordering any phase box. If sold separately add \$12 shipping for any quantity." And yes, Andy still makes phase boxes for VHF/FM. You can email Andy at dxranch@worthlink.net.

AND MORE RDS INFO

Last month we told you that Bill Nollman had bought more RDS Managers. We also said that this was the last batch and we were correct. Bill wants everyone to know that you can purchase an RDS Manager from him by mail or email. The price for the RDS Manager is \$50 payable by check or money order in US dollars and made payable to WiNN Technologies and sent to WiNN Technologies, LLC c/o Bill Nolman, 11 Hidden Oak Drive, Farmington, CT 06032 USA. You can also email Bill at lsnwnn@home.com. Please be advised that Bill will most likely be on the road until the end of September and will answer all inquiries when he returns. Bill also offers other additional services like PC/serial mod for using the RDS Manager with your computer, finding a tuners mpx connection and other modifications.

LAST BUT KNOT LEAST

Here are a few stats that you might find interesting. The membership at the middle of August was at 281. That's great! And roughly 64% of our members have email with 36% either not online or not admitting to it. About 43% of club members are on the WTFDA list. CU next month and don't forget 2 write! –Mike



Douglas E. Smith W9WI 1385 Old Clarksville Pike Pleasant View, TN 37146-8098 W9WI@w9wi.com www.w9wi.com

AF CA CC	Applied for (a new station) Class A status request/grant Call change	NW PA	New station on the air Proposed amendment to the table of allocations
CL	City-of-license change	PC	Power (or tower height) change on the air
DE	Station deleted	PG PR	Power (or tower height) change granted Power (or tower height) change requested
FC	Programming (format) change	QC	Channel change on the air
GA	Granted amendment to the table of allocations	QG	Channel change granted
LC	License to cover (for changes or new	QR	Channel change requested
	station)	SI XC	Off the air ("silent") Transmitter site change on the air
NO	Not on the air	XG	Transmitter site change granted
NS	New station granted permit	XR	Transmitter

News:

Alaska:

Anchorage 20 KTBY-DT NS 1000kw/54m

Alabama:

Arab 56 new app. dismissed Gadsden 4 W15AP QR from ch. 15,

3kw

Homewood 28 WTTO-DT NS 1000kw/409m Prichard 46 WRBM-LPQR from ch. 60,

<37.9kw

Tuscaloosa 7 WVUA-CA sold to University of

Alabama; CC from WJRD-LP

Arkansas:

Little Rock 30 KLRT-DT requests PG<449m Mtn. View 13 KEMV-DT QR from ch. 35, <20kw/407m

Pine Bluff 24 KVTN-DT PG 1000kw/356m or

131.3kw/182m (not sure which)

38 KASN PR<590m 39 KASN-DT PR<590m

Springdale 57 KSBN-TV req PG>182kw/98m

Arizona:

Dolan Sprs. 35 K35EI QR from

no offset to minus.

Douglas 3 KBGF sold to Univision. Flagstaff 13 KDUO sold to Univision.

Temporary FC from Pax to home shopping.

6 KZZA-LP sold to Univision. 9 KCFG granted LC - new,

1kw/594m, but also PR>316kw/434m, 34-58-06/111-30-29

Hilltop 36 K36AX PR<9 or 10.9kw,

35-06-37/113-52-58

Kingman 23 K23FV QG from K60AX Mesa 12 KPNX granted LC for

PG>555m

36 KPNX-DT PG>1000kw

Phoenix 20 KPAZ-DT NS 500kw/489m

26 KUTP-DT NS 67kw/517m 31 KSAZ-DT AF (auxiliary XR) 34 KTVW-DTNS 200kw/510m 39 KOND-LP sold to Univision; CC from KDTP-LP

QG from K24EI,

42 K42FD QG fro <5kw

49 KASW-DTNS 531kw/487m

Tucson 25 KTAZ-LP sold to Univision

28 KUAS-DT NS 50kw/178m 30 KUAT-DT NS 668kw/1092m

Verde Valley 21 K61BG QR, >1.22kw

Wellton 27 K63AV QG dismissed

(Mex. objection)

49 K69BQ QG dismissed (Mex. objection)

Calilfornia:

Avalon 54 KAZA-TV requests LC - new,

2290kw/959m,

34-13-37/118-03-58, but also PR<366m, 33-21-00/118-21-05.

Bishop 20 new app. dismissed

Coalinga 42 K42DT sold by TBN to

"Venture Technologies Group"

El Centro 24 K56GC QG dismissed

(Mex. objection)

Fresno 22 KZMM-LP QR from ch. 7,

>150kw, possible XG 37-04-10/119-24-40

33 KSDI-LP QG from ch. 34,

<21.1kw

Hanford 48 KHMM-LPQG dismissed from

ch. 16; now requests ch. 14, 2kw, 37-04-10/119-24-40

Hemet 27 KHEM-LP QG from ch. 53 Hesperia 62 KRCA-1 NS 8kw, 34-21-08/117-40-27 Lancaster 16 K54DN QG dismissed; now reg. ch. 26, 4.6kw QG from K11RL; Litchfield 40 K40GI >1.14kw; 40-26-49/120-21-25 Long Beach 61 KSCI-DT PG>256kw/889m, 34-12-50/118-03-40 34 KMEX-TV PG>2291kw/956m Los Angeles 35 KMEX-DT PG<956m 57 KJLA-1 NS 94.9kw, 34-13-36/118-03-58 63 KADY-1 NS 87kw, 34-12-48/118-03-41 9 KCAL-TV granted LC (new auxiliary, 170kw/880m) Modesto QR from ch. 61, 36 K61FI <3.5kw. Sold to religious organization. Oceanside 41 K33FZ QG dismissed (Mex. objection) Palo Alto QG from ch. 56, 23 K23FW 31kw, 37-26-55/122-09-29 Paso Robles 17 K21EX QR from ch. 21 Paso Robles 22 K19EF OR from ch. 19 R.P. Verdes 44 KXLA CC from KRPA Sacramento 3 KCRA-TV PG (auxiliary XR, 100kw/446m) 33 KCSO-LP QG from ch. 34, <130.6kw 36 K47DQ QR from ch. 47, >50kw. Sold to religious organization. San Diego 18 KUSI-DT PG>355kw/576m 40 KNSD-DT PG>370kw Stockton 22 K52CK QR from ch. 52, <2kw, 37-53-34/121-53-57. Sold to religious organization. QG from K61EN, Susanville 17 K17FM <1.23kw 19 K19EZ QG from K59ET, <1.21kw 29 K29FG QG from K63CM, <1.19kw 38 K38GY QG from K69FS, <1.16kw

Colorado:

Aurora 39 KDEV-LP QR from ch. 16, <35kw, 39-40-31/104-52-24 Colo. Sprs. 30 K30AA PR>10kw Crawford 55 K55DR sold to KRMA-6

Delta 52 K52BC sold to KRMA-6

Durango 33 KTLL-TV CC from KBEI Gd. Junction 27 KGJT-LP PG>19.4kw;

requests LC; PR>150kw.

Montrose 32 K32CW sold to KRMA-6

Nucla 13 K13SN sold to KRMA-6 Ouray 61 K61BR sold to KRMA-6

9 K09PJ sold to KRMA-6

Paonia 58 K58BV sold to KRMA-6

Pleasant Vly 30 K30GO QG from K47CR Ridgway 64 K64BL sold to KRMA-6

Connecticut:

Allingtown 28 W28AJ granted LC for

PG<3.5kw, 41-17-29/72-58-03

Hartford 69 WHCT-LP CC from W69CL Waterbury 12 WTXX-DTPR>19kw/349m,

41-31-04/73-01-09

Florida:

Big Pine 47 W47AC PG<1.61kw,

24-40-09/81-21-33

Florida:

Big Pine 57 W57AM PG<0.32kw,

24-40-09/81-21-33; granted LC for changes

Bradenton 18 WSVT-LP PR>50kw,

27-56-48/82-27-26

Fort Pierce 41 W41CL QG from ch. 46,

3.75kw, 27-23-44/80-21-44

Gainesville 31 WBXG-LP QR to ch. 33

dismissed

Key West 39 W39AC PG<0.33kw,

24-33-18/81-48-07; granted LC for changes

49 W49AE PG<1.61kw,

24-33-18/81-48-07; granted LC for changes

Lakeland 14 WLWA-LPPR<0.5kw,

28-03-58/81-59-00

Leesburg 45 WLCB-TV granted LC for new,

1200kw/141m, 28-40-48/81-49-16. Co-owned with WTGL-52

(relig.); simulcasts?

Marathon 38 W38AA PG<1.4kw,

24-41-30/81-06-31; granted LC for changes

63 W63AL PG<0.26kw,

24-41-30/81-06-31; granted LC for changes

65 W65AP PG<0.26kw,

24-41-30/81-06-31

Matecumbe 40 W40AA PG<1.7kw,

24-54-18/80-38-56; granted LC for changes

43 W43AD PG<0.35kw,

24-54-18/80-38-56; granted LC for changes

Melbourne 29 WMVJ-LP granted LC for QG

from ch. 22, >50kw, 28-08-15/80-42-11

Miami 18 WPBT-DT requests LC - new

1000kw/309m

Naples 23 WXDT-LP QR from ch. 15,

24.7kw

39 WZDT-LP QR from ch. 52

Orlando 11 WZXZ-LP CC from W11BM

16 WTWD-LPQR from ch. 62,

<4.42kw, 28-27-52/81-27-39

Palatka 48 WJGV-LP granted LC for QG

from ch. 49, <21.6kw

Pensacola 31 WSRE-DT NW, 1000kw/530m,

30-36-45/87-38-43

34 WHBR-DTPG<130kw

Rock Harbor 54 W54BB PG<0.29kw,

25-05-29/86-26-37; granted LC for changes

56 W56AZ PG<2.17kw,

25-05-29/86-26-37; granted LC for changes

64 W64AN PG<0.29kw,

25-05-29/86-26-37; granted LC

Stuart 15 WTCN-LP QG from ch. 16

rescinded

Tallahassee 45 WVUP-LP QR from ch. 17

47 WWWF-LP requests LC - new,

21.6kw, 30-26-29/84-16-55

Georgia:

Atlanta 20 WTBS-DT NS 450kw/310m,

33-48-26/84-20-22

27 WAGA-DT PR>1000kw/332m

42 WTHC-LP granted LC for

PG<8kw, 33-45-34/84-23-19

Brunswick 21 WPXC-TV CC from WBSG-TV Columbus 38 W55CR QR from ch. 38.

16.5kw, 33-40-25/84-16-00 (site is in Atlanta)

Columbus 49 WXTX-DTNS, 1000kw/319m Fayetteville 28 W53BR QR from ch. 53,

15kw, 33-46-15/84-23-10

Macon 18 WDMA-LP QR from ch. 32,

50kw, 32-50-17/83-31-07

Valdosta 43 WVAG-DT AF 50kw/253m

Guam:

Agana 24 new-LP app. dismissed

26 new-LP app. dismissed

Hawaii:

Maui 40 KUPA-LP QR from ch. 59,

>50kw, 20-59-18/156-39-04

Wailuku 30 KMEB-DT NS 50kw/1822m

<u>Iowa:</u>

Ames 34 new app. dismissed Cedar Rapids 65 KRUB-LP granted LC - new,

0.51kw, 41-54-33/91-39-17

Davenport 30 new app. dismissed (3) Des Moines 43 new app. dismissed

Idaho:

Boise 26 KTVB-DT PR>948kw/785m

43 KIWB-LP granted LC for

PG>22.8kw, 43-44-23/116-08-14; CC from K43BE

Illinois:

Bloomington 51 W51CT PR>8kw

Chicago 2 WBBM-TV PR<26.4kw/455m

41 WOCH-LP QR from ch. 28,

<25kw

44 WSNS-TV granted LC (new

auxiliary, 1260kw/476m)

Macomb 21 WMEC-DT NS 75kw/131m Sterling 48 W48CK requests LC for QG

from ch. 61<15.8kw

Indiana:

Bloomington 14 WTIU-DT PG>277m

Fort Wayne 19 WKJG-DT NS 350kw/224m Gary 17 WYIN-DT PR>350kw/468m,

41-52-44/87-38-08

56 WYIN PR>5000kw/468m,

41-52-44/87-38-08

Lafayette 11 WLFI-DT NS 30kw/221m South Bend 30 WSBT-DT PG>400kw/239m Terre Haute 43 W43BV granted LC for QG from ch. 65, <11.2kw

Kansas:

Wichita 15 new app. dismissed (2)

33 KWCV requests LC - new

41.7kw/96m, 37-41-13/97-20-24

49 KTQW-LP QG from ch. 53

Kentucky:

Beattyville 7 WLJC-DT PG>28kw/322m,

37-36-37/83-40-18

Elizabethtn. 39 W39CJ granted LC for QG

from ch. 65, >14kw

Lexington 10 WBLU-LP QR from ch. 62,

<3kw

13 WKYT-DTQR from ch. 59,

<30kw/282m

Owensboro 48 new AF reinstated;

5000kw/283m, 38-01-27/87-21-43, XR in Indiana

Scottsville 48 WPBM-LP CC from W48BM

Louisiana:

Baton Rouge 39 WBXH-CA QR from ch. 46,

>140kw

39 WLFT-LP QR from ch. 53,

>150kw.

30-23-04/91-03-27.

Hammond 23 WSTY-LP PR>150kw

Shreveport 42 K42FE granted LC for QG

from K57FQ, <11kw, 32-30-31/93-45-10

50 WBXS-CACC from K50GK

Maryland:

Hagerstown 55 WHAG-DT NS 1000kw/358m

Maine:

Presque Isle 16 WAGM-DT PR>1000kw/333m

Michigan:

Bay City 32 W22CC QR from ch. 22,

<0.25kw

Detroit 23 WBXD-LP QG dismissed from

ch. 5 to ch. 35; QR for ch. 23, >50kw, 42-26-52/83-10-23

41 WXYZ-DTPG>770kw

Flint 28 WFUM PR>5000kw

dismissed

36 WJRT-DT NS 860kw/248m,

43-13-49/84-03-32; PR>1000kw/264m, 43-13-39/84-03-32

Lansing 6 WLNS-TV requests XG

42-41-19/84-22-35

Marquette 33 WNMU-DT NS 50kw/171m,

46-30-52/87-29-07

Mt. Pleasant 25 W60CO QG rescinded

Pinconning 11 W11CR QG from ch. 58,

<2.38kw, 44-14-56/85-18-48 near Cadillac

12 W12CX QG from ch. 51,

<2.38kw, 44-45-22/85-40-42 near Traverse City

Republic 43 W43BY granted LC for QG

from ch. 9, >0.95kw, 46-24-01/87-59-26

Minnesota:

Gd. Portage 50 K50GS QG from ch. 55 Grand Marais 48 W48CQ QG from ch. 61

Minneapolis 13 WBWX-CA CC from K13UT

Missouri:

Joplin 24 KCLJ-LP QR from ch. 46,

>50kw, 37-03-10/94-23-20

47 K44ER QR from ch. 44,

>25kw, 37-03-10/94-23-20

Kansas City 47 KSMO-DT PR>356m

Neosho 32 KJPX-LP PR>5kw Sikeston 45 new app. dismissed Springfield 3 KYTV PR<611m,

37-10-26/92-56-27

Northern Mariana Islands: (Saipan)

Garapan 11 new-LP app. dismissed

9 new-LP app. dismissed

Mississippi:

Booneville 33 W33CB QG from W53AF,

>22.5kw, 34-39-45/88-34-07

Columbia 45 W45AA PR>14.2kw

Jackson 43 WJKO-LP QG from ch. 64,

>32kw, 32-17-03/90-15-52

Montana:

Bozeman 13 KBZK-DT QR from ch. 16,

<21kw/305m

44 K44GE QG from ch. 65,

>15kw, 46-35-41/112-17-51

Butte 33 KTVM-DT QR from ch. 2,

>300kw/552m

Kalispell 38 KCFW-DT PR>183kw

Lewistown 13 KBAO granted LC - new,

9kw/636m, 47-10-40/109-32-07. NBC // KTVH-12.

North Carolina:

Asheville 64 WAEN-LP PG<8.7kw,

35-35-00/82-32-49, granted LC

Durham 11 WTVD requests LC -

changes, PG<312kw/615m

Greensboro 48 WUPN-TV PR dismissed.

Jacksonville 19 WUNM-TV PR<2400kw,

35-06-15/77-20-12

Winston-Salem 45 WXLV-TV PR dismissed

North Dakota:

Bismarck 23 KXMB-DTPG>575kw/486m

Fargo 2 KVNJ-LP PR>1.13kw,

46-51-39/96-51-17

Jamestown 7 KJRR XG 46-55-27/98-46-19

Nebraska:

Columbus 50 K50GR QG from K53GH,

>130.6kw

Hastings 28 KHNE-DT QG from ch. 14

Lincoln 58 K58GD granted LC for QG

from ch. 39, <30kw

New Jersey:

Atlantic C. 13 WQAV-LP QR from ch. 34,

<0.5kw

60 W60CX QG from W36BJ,

<2kw, 39-21-40/74-25-04

New Brunswick 23 W36AS QR, <10kw

Newark 61 WNET-DT requests LC - new,

219kw/448m

Paterson 40 WXTV-DTNS 300kw/421m

New Mexico:

Alamogordo 28 K28HB QG from K21DI,

<1.89kw; req. LC

53 K53BM PR<1.87kw, change

from minus offset to none

Albuquerque 32 KAZQ granted LC for

PG>398kw/1252m

Crownpoint 30 K30GQ QG from K65FJ

Deming 29 K57AW QR dismissed (Mex.

objection); now QR to 35

Grants 46 K20FB requests LC for QG

from ch. 20, >1kw

Hobbs 16 KHFT-DT NS 50kw/161m

Las Vegas 43 K43FI PR<0.9kw,

from no offset to

minus offset

Roswell 28 KRPV-DT NS 50kw/115m Roy 11 K11AW sold to Emmis Santa Rosa 38 K62CU QR from ch. 62,

<0.63kw

T. or C. 40 K40GH QG from K59CN,

<0.33kw

Thoreau 20 K20GT QG from K55BP,

<1.1kw

Nevada:

Ely 3 KBJN requests LC - new

100kw/270m, 39-15-53/114-53-35

Mina 40 K57FU req LC for QG

fm ch. 57, >0.47kw

Mina 43 K59EH req LC for QG

fm ch. 59, >0.47kw

Reno 20 KAME-DT NS 57.5kw/176m,

39-35-03/119-47-51

Walker Lake 28 K55BF requests LC for QG

from ch. 55, <1.7kw

New York:

Albany 52 W52DF QG from W64BH,

PG 1kw

Burlington 36 W29BJ QR from ch. 29,

>11.9kw, 42-42-53/75-08-40

Genoa 22 W56AP QR from ch. 56,

>1.2kw

Hamburg 13 WDTB-LP QR from ch. 39,

<1kw, 42-52-47/78-52-34

Jamestown 46 new app. dismissed New York 20 WNXY-LP QR from ch. 27,

<2.5kw,

41-09-07/73-47-10

28 WNBC-DT requests LC - new

178kw/448m

35 WNYX-LPPR <25kw

45 WABC-DT requests LC - new

182kw/448m

Rome 12 W12BZ PR>3kw.

Separate application filed for 1.6kw.

Syracuse 22 WTVU-LP PR>40.4kw

35 WOBX-LP PR<0.98kw

Troy 51 WNGN-LP QG from ch. 26, PG

>9.65kw

Watertown 28 WNYF-LP PG>2.61kw

34 WBQZ-LP PR>1.1kw,

43-57-47/75-50-58

Ohio:

Akron 23 WVPX requests LC for

PG>5000kw/296m, 41-03-53/81-34-59

Ohio:

Brecksville 52 WIVM-LP requests LC for QG

from ch. 10, >22kw, 40-53-24/81-16-12

Columbus 23 W58CQ requests LC for QG

from ch. 58, <17kw

43 W43BZ QG from ch. 13,

>0.95kw

Delaware 42 WXCB-LP QG from ch. 56

Lorain 43 WUAB PG<4680kw/337m

Springfield 26 WBDT granted LC for

PG>5000kw/349m, 39-43-28/84-15-18

Steubenville 29 W25CI QR from ch. 25,

>54.6kw

Toledo 34 WBTL-LP QR from ch. 5,

>9.9kw, 41-39-05/83-32-08

Xenia 32 new app. dismissed

Zanesville 16 W36AY QR from ch. 36,

>25.2kw

Oklahoma:

Ada 26 KTEN-DT NS 1000kw/426m Enid 26 new app. dismissed

Erick 21 K21FX QG from K66AQ,

>1.1kw

Tulsa 42 KTFO-DT PR>900kw/381m,

36-01-36/95-40-44

Weatherford 38 K59GE QR from ch. 59,

<0.7kw

Oregon:

Eugene 44 KEZI-DT PR<30kw Reedville 4 KWBP-LP granted LC for

PG>2.5kw, 45-30-58/122-43-59

Roseburg 51 K51GJ QG from K66BF,

>1.1kw, 43-12-07/123-22-58

Pennsylvania:

Altoona 50 W32AX QR from ch. 32,

<30.3kw

Butler 32 W43AX QR from ch. 43,

<26.65kw

Freedom 28 W25BK QR from ch. 25,

>43.9kw

Johnstown 29 WWCP-DT NS 1000kw/352m

Pittsburgh 27 W29AV QR from ch. 29,

>138.7kw

Puerto Rico:

Ponce 19 WKPV-DT NS 50kw/288m

47 WVOZ-DTNS 50.1kw/247m

S Sebastian 39 WJWN-DTNS 50kw/324m,

18-19-06/67-10-42

San Juan 32 WAVB-DTNS 49.4kw/854m

South Carolina:

Charleston 12 WJEA-LP CC from W12CW

21 W44AX requests LC for QG

from ch. 44, >23kw

Rock Hill 55 WWWB CC from WFVT Spartanburg 51 WSQY-LP QG from ch. 66,

<10kw, 34-52-07/82-24-19, closer to Greenville

Tennessee:

Knoxville 30 WVLT-DT PG>414kw/543m,

36-00-13/83-56-35

Memphis 19 WJRJ-LP QR from ch. 59,

>25kw, 35-14-02/90-00-34

S. Pittsburg 7 W07DE QR dismissed from

W36BG, <1.5kw (so why W07 call assigned?)

Texas:

Abilene 52 K52GY QG from K51CK,

32-28-36/99-44-56

Amarillo 33 KCPN-LP QR from ch. 65

Austin 67 KXLK-LP CC from K67FY

Big Spring 10 K10HH PR>0.07kw,

32-13-18/101-27-30

33 KWAB-DTNS 1000kw/98m

Brady 13 K02GM QR from ch. 2,

>3kw, 31-12-09/99-33-05

4 K04GI PR>0.07kw,

dismissed.

5 K05EF PR>0.07kw,

dismissed.

Dallas 39 KXTX-TV sold to Telemundo

58 KDTX-DT NS 600kw/510m

El Paso 39 KSCE-DT NS 50kw/50m

48 KMAZ-1 AF (booster) 250w,

31-47-42/106-29-38

51 KKWB-DTNS 70kw/525m

Floresville 45 K45DX sold to Univision

Fort Worth 65 KVFW-LP PR>50kw,

32-35-21/96-58-12

Laredo 14 KVTV-DT NS 200kw/262m

29 KLDX-LP QR from ch. 57

dismissed (Mexican objection)

Midland 26 KMID-DT NS 1000kw/323m

Odessa 15 KWES-DT NS 700kw/372m

23 KPEJ-DT NS 600kw/333m

43 KMLM-DT NS 50kw/142m

Pecos 20 K18EO QR from ch. 18

San Antonio 30 KABB-DT NS 1000kw/441m

67 KDWZ-LP sold to Univision

Turkey 18 K54AW QR from ch. 54

20 K56DM QR from ch. 56 22 K58DF QR from ch. 58 24 K60BW QR from ch. 60

Victoria 31 new app. dismissed

Utah:

Enterprise 32 KMBU-LP CC from K32DJ

Logan 3 KCVB-LP QG from ch. 12,

PG>1.5kw, 41-52-18/111-48-31; CC from KUTN-LP

Salt Lake C. 40 KTVX-DT NS 476kw/1256m,

40-39-33/112-12-07

<u>Virginia:</u>

Bristol 28 WCYB-DTPR>219kw/757m

5 WCYB-TV PR<71.7kw/741m

Charlottesville 50 W19BB requests LC for QG

from ch. 19, 37-59-00/78-29-02

Norfolk 33 WTVZ-TV PR>376m

38 WTVZ-DT PR<361m

Washington:

Clarkston 42 KVBI-LP requests LC for QG

from ch. 66

Ellensburg 49 KWWA-LP PR>36kw Kennewick 29 K29FF QG from K57HF

Wisconsin:

Crandon 4 WBIJ PR>4.2kw/123m,

45-34-23/88-52-57

Green Bay 2 WBAY-TV PG>389m

La Crosse 41 WKBT-DT PG<1kw

Park Falls 47 WLEF-DT XG 45-56-43/90-16-23 River Falls 47 W47CO QG from W55AP,

<0.76kw

West Virginia:

Bluefield 6 WVVA PR>374m

Oak Hill 50 WOAY-DT PG<624kw

Wyoming:

Cheyenne 39 KMAH-LP Renassiance/local

43 K43EM PR<10kw,

41-01-18/104-46-59

45 K45EX FC to WPCB-40 PA (Cornerstone rel.)

49 K49AY KMGH-7 ABC

Laramie 24 KPAH-LP granted LC for QG

from ch. 63

CANADA Alberta:

Burmis 55 CJIL-TV-1 NS, 790w.

British Columbia:

Vancouver 42 new AF, 240.8kw Vancouver 42 new AF, 40kw

Wells 7 CH4570 QG from ch. 11

Manitoba:

Winnipeg 35 new AF, 20kw, religious

Ontario:

Smiths Falls 36 CKWS-TV-3 NS, 10kw/100m,

45-00-42/76-03-17

Forum & Other Stuff

Thanks to Chip Kelley, Dennis Smith, Tom Yingling, Joe Martin, Saul Chernos, Jeff Kitsko, Jeffery Bryant, and Chris Clayton - some of them via the WTFDA mailing list - for information in this month's column. Note the new abbreviations PR (request for change in power) and QR. (Request for change in frequency)

There's another high-powered low-band station reported on the air this month. KBJN-3 in Nevada should be a good skip target for our central and western members. I have no idea what they're running for programming. There's another new VHF station on the air, KBAO-13 in Montana, but that's going to be a tough one. Note also the programming change at new KBGF-3 Arizona (from Daystar to Univision). Also, note applications and grants for four powerful LPTVs on the low band - W15AP in Alabama requesting 3kw on channel 4; KVNJ-LP in North Dakota requesting 1kw on channel 2; KWBP near Portland, Oregon granted 2.5kw on channel 4; and KCVB in Logan, Utah moving from channel 12 to run 1.5kw on channel 3. All are potential skip targets.

Both applicants for channel 42 in Vancouver propose multilingual ethnic operations.

Jeffery reports the LPTV clusters in Cape Girardeau and Poplar Bluff, Missouri are both off the air, or more accurately, never operated. The stations in Cape are K33EQ, K35EN, K47FB, K55HL, K58FD, K65GP, K67HF, and K69HT; those in Poplar Bluff are K26EC, K28ED, K31EB, K35EP, K56FP, K59FE, K61FY, and K68FL.

There's a correction to the MLB baseball station list. Jeff Kitsko says WCWB-22 Pittsburgh carries some of the Pirates games; they also have a cable affiliate. Also in Pittsburgh,

WNPA-19 is now carrying a local newscast. It's produced by KDKA-2 and uses KDKA anchors.

Dennis reports two local LPTVs off the air: K08MP and KVMM-LP (41) are both gone, at least for the time being. DXing from Wasco, California, several other LPTVs were noted off -Bakersfield's KMMB-LP 4, K10OH, K42EJ, and K50CL; Hanford's KHMM-LP 16; KKAK-LP 20 in Porterville; K40DQ Tulare; and K63EC Planada. He suspects K08MP's exciter is still on as he's seeing faint CCI on KFMB-8. KCET-28 has dropped its overnight relay of ARTS (the Classic Arts Showcase); it's no longer broadcasting 24 hours.

Tom Yingling found a review of two cards which allow high-definition DTV reception on a PC. The popular Hauppage WinTV-D card allows reception of high-definition stations, but the video is downconverted to standard-definition 640x480. Hauppage now has a card that will display high-definition signals in high definition. And they now have some competition. The review is on Cnet, on http://www.cnet.com/electronics/0-3219398-8-6807013-1.html .

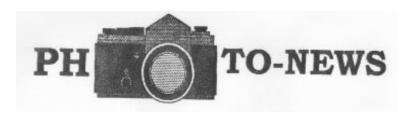
Frank Aden threw one heck of a show in Boise. The trip up Deer Point was especially interesting. (Thanks to Dave Nieman for the ride; my car's brakes have had enough of mountaintop trips after Whiteface Mountain last year<grin>) I was worried that nobody would show up for a convention that far west. There was no need to worry. I especially enjoyed seeing people I've not seen in many years (I.e., Mike Hawk) and who I've never met before. (I.e., Frank, and Dave Janowiak) Travelling was memorable as well. One or two of the vacation pictures on http://www.geocities.com/w9wi are DX-related... Next year, we'll be convening in Oklahoma City; here's hoping we'll see all of you there!

DX hasn't been half bad either. I got a pretty good batch of meteor-scatter loggings on the car radio on my way home from Boise. Midwestern DXers caught a nice tropo opening the week after the convention. And there was a great Es opening, including channel 7 skip, after that. I don't think anybody's got anything to complain about in 2001!

Meteor Shower Guide

Meteors are constantly entering the earth's atmosphere...every hour of the day and every day of the year. Here is a list of upcoming **Meteor Showers** we can look forward to in the near future. Happy MS Dxing!

SHOWER	RUNNING DATES	PEAK
Alpha Aurigids	August 25- September 6	Sept 1-2
Gamma Aquarids	September 1-14	Sept 7-8
Alpha Triangulids	September 5-15 (?)	Sept 11-12
Southern Piscids	August 12-October 7	Sept 11-20
Eta Draconids	August 28- September 23	Sept 12-13
Gamma Piscids	August 26-October 22	Sept 23-24
Sextantids(daytimer)	September 24- October 9	Sept 30 - Oct 4



Jeff Kruszka, Editor 5024 S. Braxton Ave. Baton Rouge, LA 70817 jkruszka@bellsouth.net

SEPTEMBER 2001

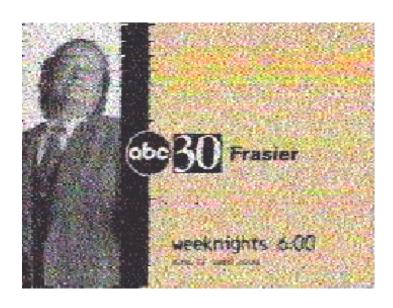
We continue with more recent photos from Matt Sittel of Bellevue, NE. By sending me photos by email or posting them on a webpage, this speeds up the transit time to the VUD. I'm in the process of obtaining a scanner, so those of you who have sent me photos in the past few months, be patient and you will see them in the coming months!



WTLJ-54 Muskegon, MI 530 mi Tr seen 8/6/01 @2100 CDT



WPWR-50 Gary, IN 433 mi Tr seen 7/29/01 @0709 CDT



KDNL-30 St. Louis, MO 344 mi Tr seen 8/2/01 @0630 CDT



KTCI-17 St. Paul, MN 309 mi Tr seen 7/31/01 @0659 CDT

₇₃'s, Jeff

Eastern TV-DX

Matthew C. Sittel 15013 Eureux Circle Bellevue, NE 68123 mcsittel@home.com

w9wi@w9wi.com

September 2001

October, 2001 column deadline: Sep. 14

Eastern TV-DX is for reporters from the following states: AL, CT, DE, FL, GA, IN, KY, MA, MD, ME, MI, NC, NH, NJ, NY, OH, PA, RI, SC, TN, VA, VT and WV, plus Washington, DC. Also for reporters from the following Canadian provinces: NB, NF, NS, ON, PEI and PQ. Foreign reports are also welcome!

There were a few reports of late-season skip, but all in all someone shut off the DX faucet way too soon!

I'd like to thank Paul Swearingen for his work on the VUD during the last few months. I can only imagine how hard it must be to get the publication looking as sharp as it did, and keep up with other obligations. I wish Mike Bugaj the best of luck in taking over publishing duties. Now on to the reports...

Doug Smith, W9WI, Pleasant View, TN

					•	> W1 C W > W	1.00111
7/6 t	<u>:r</u> WHIQ-25	AL	Huntsville	1142	KTVS-3	CO	Sterling
<1>	119		1101105 11110		907		
				7/11			
$\frac{7/7}{0.010}$ t		0.11	a::	$\frac{7/11}{0.050}$			7. T
0910	WCPO-9	OH	Cincinnati	0850	33/40/42/68	0.00	AL
			235		Birmingham	200	
0910	WKRC-12	OH 234	Cincinnati	0856	9/11	MO	St. Louis
7/7 E	Is				230		
	MUF ch. 4			7/12	tr		
7/8 E					WRGT-45	ОН	Dayton
	KIII-3	TX	Corpus				_ 0.7 0 0.1
Chris		860	COLPUD		276		
	KPRC-2t	TX	Houston	U833	WCET-48	ОН	Cincinnati
1127	RERC 20	1 21	110450011	<3>	WCEI 40	234	CITICITITACI
	677				TI ~	234	
1100		m37	G	$\frac{7/12}{0.054}$	<u>ES</u> KBSD-6t	TZ C	T !
	KRIS-6	TX	Corpus			KS	Ensign,
Chris		860		float			
	unID-6		eca Trece"		"Se	edgwick	County" over
1230	KENS-5	TX	San Antonio	WPSD			
			813	0854	KENW-3	NM	Portales
	see note <2>						
1329	KTXT-5	TX	Lubbock		955		
				7/16	Es		
	858			1038	KOTA-3	SD	Rapid City
1349	unID-6	ABC					1000
1351	KRMA-6	CO	Denver	1100	WFSB-3	CT	Hartford
	1011				849		
1357	KLNE-3	NE	Lexington	1126	KYW-3	PA	
	11_11_		722		Philadelphia		
7/9 E	¹a		7 2 2		689		
	<u>кот</u> а-3	SD	Rapid City	7/17			
1100	KOIA-3	ענ	1000		unIDs to ch. 6	6 92740	ong on 1
1100	KDEG 3+	ao.		1000			ons on 4.
	KREG-3t	CO	Glenwood	1000	Probably Quebe		TTE 3
Sprin			_ ,	1000	WFSB-3	CT	Hartford
1129	KBME-3	ND	Bismarck				
					849		
	996						

Notes:

- 1. Temporarily operating as an LPTV translator of WFIQ-36 after fire destroyed the normal transmitter. Not sure what the temporary ERP is but it's far weaker than the other Huntsville stations.
- 2. Logged KLTY-94.9 in the DFW area at only 620 miles at this time. Looked for channel 7 Es but none noted.

3. No luck with Cincinnati DTVs 10/31/33/35. Sure looked like a DTV signal on channel 69 but the WinTV-D didn't see it and the only DTV-69 assignment is in Puerto Rico...

William McGuire, 2412 59th Place, Cheverly, MD 20785-2918

Wilmington, PBS ABC	isbury,
Wilmington, PBS ABC	- '
2015 WCAU-10 PA 2230 WBOC-16 MD Sal:	isbury,
Philadelphia, NBC ID	
2110 WGAL-8 PA 2306 WAVY-10 VA	
Lancaster, NBC Portsmouth, nx	
2125 WLYH-15 PA Lancaster,	
UPN 8/2 tr	
$\overline{0045}$ WVIR-29 VA $\overline{0045}$ WMGM-40 NJ Wild	dwood,
Charlottesville NBC	
2251 WMDT-47 MD Salisbury, 0046 WVIR-29 VA	
ABC Charlottesville	
2340 WBOC-16 MD Salisbury, 0050 WHRO-15 VA Hamp	oton,
CBS PBS	
2355 WCPB-28 MD Salisbury, 0055 WPXV-49 VA Nort	Eolk,
PBS Pax	
0101 WTVZ-33 VA Nort	Eolk
7/16 tr 8/7 tr	
1930 WBOC-16 MD Salisbury, 2340 WMGM-40 NJ	
ID Wildwood, NBC	
2040 WRLH-35 VA Richmond, 2345 WVIR-29 VA	
Fox 35 Charlottesville	
2115 WCVE-23 VA Richmond, 8/9 tr	
PBS 2150 WWBT-12 VA	
2135 WWBT-12 VA Richmond, Richmond, NBC	
NBC 2200 WAVY-10 VA	
2248 WRIC-8 VA Portsmouth, ID	
Petersburg, ABC 2215 WRIC-8 VA	
7/17 tr Petersburg, ABC	
2000 WMDT-47 MD Salisbury, 2355 WMDT-47 MD	
ABC Salisbury, ABC	
2130 WCAU-10 PA <u>8/10 tr</u>	
Philadelphia, NBC 0010 WGAL-8 PA Land	caster,
$\frac{7/18 \text{ tr}}{}$ NBC	
0110 WVIR-29 VA 0015 KYW-3 PA	A
Charlottesville Philadelphia, CBS	
$\frac{7/22 \text{ tr}}{}$ 0025 WCPB-28 MD	
2345 WTVR-6 VA Richmond, Salisbury	
ID	

Saul Chernos, Toronto, ON, Canada (416) 364-0725

schernos@sympatico.ca

4/12 AE (BR)			1034 WDAF-4	MO	Kansas
0020 CBWYT7-2 ON	Keno	ra	City		
0029 CKND2-2	MB	Minnedosa	1105 KSNB-4	NE	Superior
0030 CKYB-4	MB	Brandon	1205 KTCA-2	MN	St. Paul
5/8 tr (TO-Downtown)		1304 KGFE-2	ND	Grand
2301 WQHS-61	OH	Cleveland	Forks		
2302 WWJ-62	MΙ	Detroit	1314 KXJB-4	ND	Valley
2303 CBLFT17-68	ON	Sarnia	City		
5/9 tr (TO-Downtown)		1330 CKND2-2	MB	Minnedosa
0333 CHWI-16	ON	Wheatley	1345 CBWYT7-2 ON	Kenc	ora
0351 CICO24-24 ON	Otta	wa	1832 KATC-3	LA	Lafayette
5/14 Es (BR)			5/28 Es (BR)		

1700 WBRZ-2		1		
	LA	Baton	0148 CICO93-42	ON McArthurs
Rouge			Mills	
6/5 Es (BR)			0251 CICO19-19	ON Sudbury
0920 WBRZ-2	LA	Baton	0252 <u>CHLF1-25</u> ON	Sudbury
Rouge			0255 CICE16-29	ON Pembroke
2014 WDIQ-2	AL	Dozier	0257 <u>CICO32-32</u>	ON Windsor
2030 WTVY-4	AL	Dothan	0307 <u>CHEX2-22</u> ON	Oshawa
6/9 tr (BR)	3.77.7	TT1 '	0320 WOIO-19	OH Shaker
0549 <u>WFXV-33</u>	NY	Utica	Heights	017 D 1 1
0550 <u>CICO38-38</u>	ON	Kingston	0321 CHLF13-17	ON Pembroke
0553 WNYB-26	NY	Jamestown	0322 <u>CICO18-18</u>	ON London
0619 <u>WWTI-50</u>	NY	Watertown	0347 WDWB-20	MI Detroit
0621 <u>CICO53-53</u>	ON		0404 WDCP-35	MI Bad Axe
Belleville	D-o-i o	-la + a -a	0408 WVPX-23	OH Akron
0623 <u>CKWS1-66</u> ON 0655 <u>CHCH4-41</u> ON		hton	0410 WDCQ-19	MI
	Sudk	bury	University Cer	
6/10 Es (BR) 0137 KSNC-2	KS	G	0500 <u>CHCH6-32</u> ON 0633 WUTR-20	North Bay NY Utica
	KS	Great		
Bend 0258 WDIQ-2	7\ T	Dozier	0642 <u>WNPI-18</u> 0645 WCNY-24	NY Norwood
0256 WDIQ-2 0317 KDTN-2	AL	Denton	0645 WCN1-24 0652 CHOT-40	NY Syracuse PO Hull
	TX		·	~
0320 KDFW-4	TX	Dallas	0658 <u>WSYT-68</u> 0659 CBOT1-59 ON	NY Syracuse
0400 <u>WMC-5</u>		TN	·	Foymount Ottawa
Memphis	T 7\	Dahan		
0413 WBRZ-2	LA	Baton	0710 <u>CJOH47-47</u>	ON Pembroke
Rouge	T 7\	T = £ = + -	0713 WWNY-7	NY Carthage
0450 KATC-3	LA	Lafayette	0714 CBOFT-9	ON Ottawa
6/11 Es (BR)	T 7	D	0721 <u>CHRO43-43</u>	ON Ottawa
1230 WBRZ-2	LA	Baton	0827 <u>CIVO-30</u>	PQ Hull
Rouge 1305 WWL-4		T 70 NT 0	$0830 \underline{WBQZ-LP-34}$	NY Watertown
		LA New	6/14 Es (BR)	CD
Orleans			2100 KUSD-2 Vermillion	SD
$\frac{6/13 \text{ tr (BR)}}{0.030 \text{ MAXYT}}$	NTS7	Dogbogton		
0030 WXXI-21	NY	Rochester	6/18 Es (BR)	7D T-1-1-
0030 WPBS-16	NY	Watertown	1800 KETS-2	AR Little
2330 <u>CHCH2-51</u> ON 6/14 tr (BR)	Lond	1011	Rock	
0/14 CL (BR)	NT37 C	1	6/19 Es (BR) 2200 WPBT-2	
0.100 tarted 4.2				ET Miami
0102 WNYS-43		Syracuse	ZZOO WEDI Z	FL Miami
0104 WSEE-35	PA	Erie		FL Miami
0104 WSEE-35 0113 CICO24-24	PA ON	Erie Ottawa	6/22 Es (BR)	
0104 WSEE-35 0113 CICO24-24 0130 WJET-24	PA ON PA	Erie Ottawa Erie	6/22 Es (BR) 1000 KJRH-2	OK Tulsa
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43	PA ON PA OH	Erie Ottawa Erie Lorain	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2	
0104 WSEE-35 0113 CICO24-24 0130 WJET-24	PA ON PA	Erie Ottawa Erie	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge	OK Tulsa LA Baton
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28	PA ON PA OH ON	Erie Ottawa Erie Lorain Kitchener	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi	OK Tulsa LA Baton .n)
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28	PA ON PA OH	Erie Ottawa Erie Lorain	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi	OK Tulsa LA Baton
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current	PA ON PA OH ON	Erie Ottawa Erie Lorain Kitchener	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge	OK Tulsa LA Baton .n)
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current 7/9 Es (BR)	PA ON PA OH ON	Erie Ottawa Erie Lorain Kitchener Little	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge 1930 WBRZ again	OK Tulsa LA Baton .n)
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current 7/9 Es (BR) 1959 KETS-2	PA ON PA OH ON	Erie Ottawa Erie Lorain Kitchener	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge 1930 WBRZ again 7/17 Es (BR)	OK Tulsa LA Baton . <u>n)</u> LA Baton
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current 7/9 Es (BR) 1959 KETS-2 Rock	PA ON PA OH ON ON	Erie Ottawa Erie Lorain Kitchener Little	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge 1930 WBRZ again 7/17 Es (BR) 0805 WDIQ-2	OK Tulsa LA Baton n) LA Baton AL Dozier
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current 7/9 Es (BR) 1959 KETS-2 Rock 1959 KDFW-4	PA ON PA OH ON ON	Erie Ottawa Erie Lorain Kitchener Little Little Dallas	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge 1930 WBRZ again 7/17 Es (BR) 0805 WDIQ-2 0953 KDFW-4	OK Tulsa LA Baton n) LA Baton AL Dozier TX Dallas
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current 7/9 Es (BR) 1959 KETS-2 Rock 1959 KDFW-4 2001 WESH-2	PA ON PA OH ON ON	Erie Ottawa Erie Lorain Kitchener Little	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge 1930 WBRZ again 7/17 Es (BR) 0805 WDIQ-2 0953 KDFW-4 0954 KXAS-5	OK Tulsa LA Baton n) LA Baton AL Dozier
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current 7/9 Es (BR) 1959 KETS-2 Rock 1959 KDFW-4 2001 WESH-2 Beach	PA ON PA OH ON ON	Erie Ottawa Erie Lorain Kitchener Little Little Dallas	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge 1930 WBRZ again 7/17 Es (BR) 0805 WDIQ-2 0953 KDFW-4 0954 KXAS-5 Worth	OK Tulsa LA Baton n) LA Baton AL Dozier TX Dallas TX Fort
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current 7/9 Es (BR) 1959 KETS-2 Rock 1959 KDFW-4 2001 WESH-2 Beach 7/10 Es (BR)	PA ON PA OH ON ON TX FL	Erie Ottawa Erie Lorain Kitchener Little Little Dallas Daytona	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge 1930 WBRZ again 7/17 Es (BR) 0805 WDIQ-2 0953 KDFW-4 0954 KXAS-5 Worth 1058 WPSD-6	OK Tulsa LA Baton n) LA Baton AL Dozier TX Dallas TX Fort KY Paducah
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current 7/9 Es (BR) 1959 KETS-2 Rock 1959 KDFW-4 2001 WESH-2 Beach 7/10 Es (BR) 1110 KDFW-4	PA ON PA OH ON ON	Erie Ottawa Erie Lorain Kitchener Little Little Dallas	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge 1930 WBRZ again 7/17 Es (BR) 0805 WDIQ-2 0953 KDFW-4 0954 KXAS-5 Worth 1058 WPSD-6 1128 KMOV-4	OK Tulsa LA Baton n) LA Baton AL Dozier TX Dallas TX Fort KY Paducah MO St. Louis
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current 7/9 Es (BR) 1959 KETS-2 Rock 1959 KDFW-4 2001 WESH-2 Beach 7/10 Es (BR) 1110 KDFW-4 7/13 Es (BR)	PA ON PA OH ON ON AR TX FL	Erie Ottawa Erie Lorain Kitchener Little Little Dallas Daytona Dallas	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge 1930 WBRZ again 7/17 Es (BR) 0805 WDIQ-2 0953 KDFW-4 0954 KXAS-5 Worth 1058 WPSD-6 1128 KMOV-4 1135 WDAF-4	OK Tulsa LA Baton n) LA Baton AL Dozier TX Dallas TX Fort KY Paducah
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current 7/9 Es (BR) 1959 KETS-2 Rock 1959 KDFW-4 2001 WESH-2 Beach 7/10 Es (BR) 1110 KDFW-4 7/13 Es (BR) 0926 WCBI-4	PA ON PA OH ON ON TX FL	Erie Ottawa Erie Lorain Kitchener Little Little Dallas Daytona Dallas Columbus	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge 1930 WBRZ again 7/17 Es (BR) 0805 WDIQ-2 0953 KDFW-4 0954 KXAS-5 Worth 1058 WPSD-6 1128 KMOV-4 1135 WDAF-4 City	OK Tulsa LA Baton n) LA Baton AL Dozier TX Dallas TX Fort KY Paducah MO St. Louis MO Kansas
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current 7/9 Es (BR) 1959 KETS-2 Rock 1959 KDFW-4 2001 WESH-2 Beach 7/10 Es (BR) 1110 KDFW-4 7/13 Es (BR) 0926 WCBI-4 0929 WBRZ-2	PA ON PA OH ON ON TX FL TX MS	Erie Ottawa Erie Lorain Kitchener Little Little Dallas Daytona Dallas	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge 1930 WBRZ again 7/17 Es (BR) 0805 WDIQ-2 0953 KDFW-4 0954 KXAS-5 Worth 1058 WPSD-6 1128 KMOV-4 1135 WDAF-4 City 1155 KSNC-2	OK Tulsa LA Baton n) LA Baton AL Dozier TX Dallas TX Fort KY Paducah MO St. Louis MO Kansas
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current 7/9 Es (BR) 1959 KETS-2 Rock 1959 KDFW-4 2001 WESH-2 Beach 7/10 Es (BR) 1110 KDFW-4 7/13 Es (BR) 0926 WCBI-4 0929 WBRZ-2 Rouge	PA ON PA OH ON ON TX TX TX LA	Erie Ottawa Erie Lorain Kitchener Little Little Dallas Daytona Dallas Columbus Baton	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge 1930 WBRZ again 7/17 Es (BR) 0805 WDIQ-2 0953 KDFW-4 0954 KXAS-5 Worth 1058 WPSD-6 1128 KMOV-4 1135 WDAF-4 City 1155 KSNC-2 Bend	OK Tulsa LA Baton n) LA Baton AL Dozier TX Dallas TX Fort KY Paducah MO St. Louis MO Kansas KS Great
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current 7/9 Es (BR) 1959 KETS-2 Rock 1959 KDFW-4 2001 WESH-2 Beach 7/10 Es (BR) 1110 KDFW-4 7/13 Es (BR) 0926 WCBI-4 0929 WBRZ-2 Rouge 0958 KDFW-4	PA ON PA OH ON ON TX TX MS LA TX	Erie Ottawa Erie Lorain Kitchener Little Little Dallas Daytona Dallas Columbus Baton Dallas	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge 1930 WBRZ again 7/17 Es (BR) 0805 WDIQ-2 0953 KDFW-4 0954 KXAS-5 Worth 1058 WPSD-6 1128 KMOV-4 1135 WDAF-4 City 1155 KSNC-2 Bend 1200 KGAN-2	OK Tulsa LA Baton n) LA Baton AL Dozier TX Dallas TX Fort KY Paducah MO St. Louis MO Kansas
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current 7/9 Es (BR) 1959 KETS-2 Rock 1959 KDFW-4 2001 WESH-2 Beach 7/10 Es (BR) 1110 KDFW-4 7/13 Es (BR) 0926 WCBI-4 0929 WBRZ-2 Rouge 0958 KDFW-4 1005 KFSM-5	PA ON PA OH ON ON TX TX TX LA	Erie Ottawa Erie Lorain Kitchener Little Little Dallas Daytona Dallas Columbus Baton	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge 1930 WBRZ again 7/17 Es (BR) 0805 WDIQ-2 0953 KDFW-4 0954 KXAS-5 Worth 1058 WPSD-6 1128 KMOV-4 1135 WDAF-4 City 1155 KSNC-2 Bend 1200 KGAN-2 Rapids	OK Tulsa LA Baton n) LA Baton AL Dozier TX Dallas TX Fort KY Paducah MO St. Louis MO Kansas KS Great IA Cedar
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current 7/9 Es (BR) 1959 KETS-2 Rock 1959 KDFW-4 2001 WESH-2 Beach 7/10 Es (BR) 1110 KDFW-4 7/13 Es (BR) 0926 WCBI-4 0929 WBRZ-2 Rouge 0958 KDFW-4 1005 KFSM-5 Smith	PA ON PA OH ON ON TX TX MS LA TX	Erie Ottawa Erie Lorain Kitchener Little Little Dallas Daytona Dallas Columbus Baton Dallas Fort	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge 1930 WBRZ again 7/17 Es (BR) 0805 WDIQ-2 0953 KDFW-4 0954 KXAS-5 Worth 1058 WPSD-6 1128 KMOV-4 1135 WDAF-4 City 1155 KSNC-2 Bend 1200 KGAN-2	OK Tulsa LA Baton n) LA Baton AL Dozier TX Dallas TX Fort KY Paducah MO St. Louis MO Kansas KS Great
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current 7/9 Es (BR) 1959 KETS-2 Rock 1959 KDFW-4 2001 WESH-2 Beach 7/10 Es (BR) 1110 KDFW-4 7/13 Es (BR) 0926 WCBI-4 0929 WBRZ-2 Rouge 0958 KDFW-4 1005 KFSM-5	PA ON PA OH ON ON AR TX FL TX MS LA TX AR	Erie Ottawa Erie Lorain Kitchener Little Little Dallas Daytona Dallas Columbus Baton Dallas	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge 1930 WBRZ again 7/17 Es (BR) 0805 WDIQ-2 0953 KDFW-4 0954 KXAS-5 Worth 1058 WPSD-6 1128 KMOV-4 1135 WDAF-4 City 1155 KSNC-2 Bend 1200 KGAN-2 Rapids 1222 WESH-2	OK Tulsa LA Baton n) LA Baton AL Dozier TX Dallas TX Fort KY Paducah MO St. Louis MO Kansas KS Great IA Cedar
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current 7/9 ES (BR) 1959 KETS-2 Rock 1959 KDFW-4 2001 WESH-2 Beach 7/10 ES (BR) 1110 KDFW-4 7/13 ES (BR) 0926 WCBI-4 0929 WBRZ-2 Rouge 0958 KDFW-4 1005 KFSM-5 Smith 1108 KXAS-5	PA ON PA OH ON ON AR TX FL TX MS LA TX AR	Erie Ottawa Erie Lorain Kitchener Little Little Dallas Daytona Dallas Columbus Baton Dallas Fort	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge 1930 WBRZ again 7/17 Es (BR) 0805 WDIQ-2 0953 KDFW-4 0954 KXAS-5 Worth 1058 WPSD-6 1128 KMOV-4 1135 WDAF-4 City 1155 KSNC-2 Bend 1200 KGAN-2 Rapids 1222 WESH-2 Beach	OK Tulsa LA Baton n) LA Baton AL Dozier TX Dallas TX Fort KY Paducah MO St. Louis MO Kansas KS Great IA Cedar FL Daytona
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current 7/9 Es (BR) 1959 KETS-2 Rock 1959 KDFW-4 2001 WESH-2 Beach 7/10 Es (BR) 1110 KDFW-4 7/13 Es (BR) 0926 WCBI-4 0929 WBRZ-2 Rouge 0958 KDFW-4 1005 KFSM-5 Smith 1108 KXAS-5 Worth	PA ON PA OH ON ON AR TX FL TX MS LA TX AR TX	Erie Ottawa Erie Lorain Kitchener Little Little Dallas Daytona Dallas Columbus Baton Dallas Fort Fort	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge 1930 WBRZ again 7/17 Es (BR) 0805 WDIQ-2 0953 KDFW-4 0954 KXAS-5 Worth 1058 WPSD-6 1128 KMOV-4 1135 WDAF-4 City 1155 KSNC-2 Bend 1200 KGAN-2 Rapids 1222 WESH-2 Beach 1431 KGFE-2	OK Tulsa LA Baton n) LA Baton AL Dozier TX Dallas TX Fort KY Paducah MO St. Louis MO Kansas KS Great IA Cedar FL Daytona
0104 WSEE-35 0113 CICO24-24 0130 WJET-24 0135 WUAB-43 0145 CICO28-28 0230 CBCE-16 Current 7/9 Es (BR) 1959 KETS-2 Rock 1959 KDFW-4 2001 WESH-2 Beach 7/10 Es (BR) 1110 KDFW-4 7/13 Es (BR) 0926 WCBI-4 0929 WBRZ-2 Rouge 0958 KDFW-4 1005 KFSM-5 Smith 1108 KXAS-5 Worth 1211 WDIQ-2	PA ON PA OH ON ON AR TX FL TX MS LA TX AR TX	Erie Ottawa Erie Lorain Kitchener Little Little Dallas Daytona Dallas Columbus Baton Dallas Fort Fort Dozier	6/22 Es (BR) 1000 KJRH-2 1001 WBRZ-2 Rouge 6/26 tr (TO-Dufferi 1330 WBRZ-2 Rouge 1930 WBRZ again 7/17 Es (BR) 0805 WDIQ-2 0953 KDFW-4 0954 KXAS-5 Worth 1058 WPSD-6 1128 KMOV-4 1135 WDAF-4 City 1155 KSNC-2 Bend 1200 KGAN-2 Rapids 1222 WESH-2 Beach 1431 KGFE-2 Forks	OK Tulsa LA Baton n) LA Baton AL Dozier TX Dallas TX Fort KY Paducah MO St. Louis MO Kansas KS Great IA Cedar FL Daytona ND Grand

2058 WDIQ-2	AL	Dozier	2359 CKCK-2	SA	Regina
2246 KPRC-2	TX	Houston	7/25 Es (BR)		
2316 KJRH-2	OK	Tulsa	0025 KGFE-2	ND	Grand
2355 WDIQ-2	AL	Dozier	Forks		
7/18 tr (BR)			0033 CBKT1-4	SA	Moose Jaw
1958 CIII22-22	ON	Stevenson	0044 KWSE-4	ND	Williston
1959 WDCP-35	ΜI	Bad Axe	1215 WESH-2	${ t FL}$	Daytona
2000 WGTE-30	OH	Toledo	Beach		
2003 CBLFT9-53 ON	Lond	lon	7/31 tr (TO-Downtow	m)	
2005 CFMT1-69 ON	Lond	lon	0000 <u>WOAC-67</u>	OH	Canton
2006 CHWI-16	ON	Wheatley	7/31 Es (BR)		
2013 WNWO-24	OH	Toledo	1904 CKND2-2	MB	Minnedosa
2023 CIII29-29	ON	Sarnia	8/1 tr (BR)		
2008 CICO32-32	ON	Windsor	0630 <u>CBLT3-18</u> ON	Parr	ry Sound
2010 CKCO3-42 ON	Sarr	nia	8/6 Es (BR)		
2040 WWJ-62	ΜI	Detroit	0932 WESH-2	${ t FL}$	Daytona
2057 CHCH2-51 ON	Lond	lon	Beach		
2100 WDWB-20	MΙ	Detroit	1040 WTVJ-6	${ t FL}$	Miami
2101 <u>WADL-38</u>	ΜI	Mount	8/8 tr (BR-East Cli	.ff)	
Clemens			0731 <u>CKWS3-36</u> ON	Smit	hs Falls
7/24 Es/2Es (BR)			0734 <u>CFJP-35</u>	PQ	Montreal
2304 CKND2-2	MB	Minnedosa	0735 CHOT-40	PQ	Hull
2328 <u>CICT-2</u>	AB	Calgary	0735 <u>CHRO-5</u>	ON	Pembroke
2358 CKYB-4	MB	Brandon	0736 <u>CBOT4-51</u> ON	Mayn	ìooth

BR = Burnt River / TO = Toronto. Highlight so far this year is the double-hop to Calgary. Saw an ad for Calgary Honda that checked with the station's ad logs per e-mail confirmation (they sent me a copy of their log). Guess it's 1700 miles or so from Burnt River. Otherwise, not a terribly exceptional season. 73s, Saul

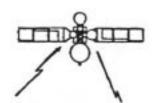
Bob Seybold, 1865 W. Main Rd., Silver Creek, NY 14136

Just put up separate new VHF antenna, Radio Shack top of line on rotor but no amp. Will consider amp later. Results so far are good. Antenna very sharp and good at cutting down on locals, except Jamestown, NY 26 but I am doing better on channels 25 and 27.

Season has been great for E-skip. Since late May there have been only a few days without skip. Many huge openings, one double hop on channel 3 (Idaho) and high band skip on 7 and 8 but no IDs. Several north-south openings at same time, also CO and FL at same time. WEDU-3 seen at least 40 times, WLBT-3 seen often. On occasion saw NBC-CBS-ABC on same channel in a matter of minutes. Lots of Canada skip especially to northwest. A lot of openings lasted hours and up to channel 6 a lot. Some seen include WBRA-2, KATC-3, WEAR-3, KTBS-3, New Orleans 4/6, WRBL-3, Denver 2/4, Cheyenne 5, Fargo 6, many ND/SD low banders, KS, NE, TX, OK. Did not keep track of a lot of IDs and time as there was so much and almost daily skip at all hours day and night.

Trops has picked up recently and today (8/1/2001) I saw Cadillac, MI 33, South Bend 46, Grand Rapids, Battle Creek, Saginaw, Flint and many Canadians in. Hope to have more detailed report next time. Hope everybody is having a great season. Unusually hot weather here. 73's Bob Seybold. //.....till next time, 73s Matt.

Satellite News



George W. Jensen 4604 Anntana Ave. Baltimore, MD 20206-4220 Well, Iraqi Television continues to float around. No sooner located for the last column, then a streamer appears at the bottom of the screen indicating another move - along with several other services. When the date for the change arrived, no Iraq and no ANA TV or radio. See later for Telstar 5. And now to the changes, etc. This month features a yearly revision of analog audio sub-carriers. Obviously as more and more services move to compressed digital video, the sub-carriers disappear.

GE 7 Delete 3 Talking Book Service is now on XPDR 5, also delete 6 – Latter Day Saints and 14 – Talk Radio Net. Talk Radio Net is now at 8.0 on XPDR 7.

Odyssey is now the Hallmark Channel with MPEG West on same transponder for the West feed. TV Land is no longer in XPDR 18. If not mentioned previously, the entire Music Choice suite is gone...audio sub-carrier on XPDR 24 – 7.5 – Wokie.

TELSTAR 7 Kingdom Vision Network is now Vision Channel, delete 710-714 PCTV Teleport.

Audio subcarrier XPDR 2 on Spacenet 9 is also Truth Radio Network, but a second channel.

GALAXY 5 XPDR 2, delete music channel on 6.8. XPDR 18 - delete WWIN - Nashville Suptalk FM at 7.39. Also delete 5.9/6.1 – Rap Music Station. 5.56/5.76 lds as FM 106M.

GALAXY 10 New names for some Pay-per-view channels.

326 - Eclectic, 329 - Hot Bodies, 330 - TeleNuestros, 331 - Passion, 332 - Passion Hot, 333 – Final Spin, 334 – return of Action pay-per-view. 782 – Guthy-Renker infomercials 5 – in Spanish. DMX music channels are in a state of flux – when this solidifies I'll let you know the changes.

Anik F1 ku, delete the Galaxie Music channels – 941-970

GE 1, delete audio subcarrier – W. Virginia Public Radio on XPDR 12 7.7.

G E AMERICOM 4, XPDR 9 – 5.8 os KMUS Muskogee, OK – sub-carrier

GALAXY 4, XPDR 16, sub-carrier is KNEA Jonesboro, AR 7.30, also the DMX service is in flux.

TELSTAR 5 Ku - As I write this FLASH! Iraq TV has reappeared at its old setting. On what would have been its new setting – 11936/22000 is the following: Globecast color bars, HRT, Croatia, Globecast color bars, Turkey 1,2, and 3, and MBC Seoul Korea.

GALAXY 3R, delete XPDR 1, Exxxtra Hot TV.

GALAXY 11, XPDR 12, delete Radio Tropical sub-carrier

TELSTAR 402, XPDR 16, delete Eurotica.

GE 3, if not mentioned previously, Univision is deleted from here...now on GE 1.

GE Ku Band has 401, 402 and 403 unused at the moment. Delete 21 – Moscow from XPDR 21...satellite may be out of service. Stoge

That's all for this month – see you in 30. 73s. George

WESTERN TV DX

For DXERs in the western us and canada

Victor Frank 12450 Skyline Drive Woodside, CA 94062-4554 frank@horizon.sri.com

Dennis Park Smith, 3605 San Remo Drive, Santa Barbara, CA 93105-2523 (805)687-7803

This report is for July 2001. Southern California coastal tropo Santa Barbara to San Diego/Tijuana (250mi/320km): Second half of month was very stable but not as hot inland (away from immediate coastline) so upper air layer was not contrasted enough. Tropo existed steadily, but not as it could have been.

Jul 1-3: Generally good

Jul 4-9 am: Poor (weather change,

subtropical moisture, occas. Light rain, Jul

4-7:

Jul 9 eve: Fair

Jul 10-13: Poor again

Jul 13 eve-14eve: Out of town, in Wasco

Jul 14 night: Fair

Jul 15-16: Very poor (Stable air layers

Jul 17-30: Variable poor but not as hot

Jul 31: Very poor inland)

On July 11, an exception to the poor conditions, at 5:30 a.m. PDT for approx. 5 minutes only, <u>Channel 56</u> fair with CAN shopping. Must have been <u>KDOC</u> Anaheim (approx. 135mi/215km), which would be a <u>new logging</u> not seen here before, irregular terrain, indoor bowtie on Sears 10" B&W rx.

Wasco Report

With my various bandscans from here and there around California, I have not yet reported one from my original Dxing location of Wasco. Here it is, while I was there the evening of July 13 into the morning of July 14. There was even some tropo to liven things up. Distances are in approx. mi/km.

- 6: KSBY San Luis Obispo NBC 75/120
- 10: KXTV Sacramento ABC 215/345
- 13: KOVR Stockton/Sacto CBS 215/345
- 15: K15CO Porterville TBN 40/65
- 15: CCI, most likely K15ET

Fresno/Merced, first noted as CCI on 7/9/99, still designated as new tentative 145/230.

- 17: KGET Bakersfield NBC 35/55
- 17: CCI, most likely KMPH-LP Merced, first noted as CCI on 12/26/00, still designated a new tentative 145/230
- 18: KVPT Fresno PBS 85/135
- 19: KUVS Modesto/Sacramento/Stockton Uni Spanish 175/280
- 21: KFTV Hanford, Fresno Uni Spanish 100/160
- 23: KERO Bakersfield ABC 45/75
- 24: KSEE Fresno NBC 85/135
- 25: K25FT Bakersfield 3ABN
- 26: KMPH Visalia/Fresno Fox 80/125
- 27: K27FQ? Bakersfield(?) Translator of
- KBFX-LP 57 Bakersfield (see note below)
- 28: KJKZ-LP Fresno ARTS first seen 7/13/96 TBN 150/240
- 28: CCI, most likely K28EM Mariposa, first seen 7/13/96 TBN 150/240
- 29: KBAK Bakersfield CAN 35/55

- 30: KFSN Fresno ABC 100/160
- 31: KMAX Sacramento UPN 215/345
- 32: KJEO-LP Fresno AIN & some ANC
- 33: KJOI-LP Bakersfield ACN 35/55
- 34: KSDI-LP Fresno MTV-2
- 34: CCI, most likely KSCO-LP

Sacramento, first noted as CCI on

12/26/00, still designated as new tentative

- 35: KMCF-LP Visalia hse Spanish
- 36: KBFK-LP Bakersfield America's Store 35/55
- 39: KABE-LP Bakersfield Uni Spanish
- 40: KXTL Sacramento Fox 215/345
- 42: K42DT Coalinga TBN 85/135
- 43: KGMC Clovis/Fresno Local & infomercials 100/160
- 45: KUVI Bakersfield UPN 35/55
- 47: KGPE Fresno CBS 100/160
- 47: CCI, most likely K47DQ Sacramento, first noted as CCI on 12/26/00, still
- designated as new tentative
- 48: K48DY Coalinga Xltr of KGMC-43 Clovis, seen this time only as herringbone between much stronger KGPE-47 & KNXT-49 85/135
- 49: KNXT Visalia/Fresno relig & educ, overnight ARTS 80/130
- 51: KNSO Merced/Fresno Telemundo Spanish, overnight CAN 145

52: KSUV-LP Bakersfield Mas Musica TeVe (Spanish music videos) 35/55

53: KAIL Fresno UPN 100/16055: K55CN Bakersfield TBN 35/55

55: KMSG-LP Fresno CAN (ex-K55IM &

KIBC-LP)

56: K56DZ Fresno TBN

57: KNXT-LP Taft/Bakersfield Xltr of

KNXT-49 Visalia 40/65

58: KBFX-LP Bakersfield Fox

58: CCI, most likely KQCA Stockton/ Sacramento, IDed in past years before

KBFX was on 215/345

59: KFRE Sanger/Fresno WB, overnigh

Shop at Home

61: KPXF Porterville/Fresno Pax64: weak, probably KHIZ Barstow/

Victorville, Ided in past years

65: K65EY Bakersfield Xltr of KVPT-18

Fresno 45/75

65: KKPX San Jose Pax Seen overnight

when K65EY off 175/280

66: K66CQ O'Neals ("KHST Fresno") HSN

67: K67FS Bakersfield Xltr of KCET-28

Los Angeles 30/50

68: KQJA-LP Fresno Shop at Home

Recent regulars not on air this time: KMMB-LP 4 Bakersield (35/55) Mas Musica TeVe (seen only 12/6/00); K10OH Taft (40/65) Xltr of KNXT-49 (seen 9/29/00 & 10/9/00) moved to ch 57; K16CW (KHMM-LP) Hanford (60/95) Mas Musica TeVe (seen only 7/9/99); KAKK-LP 20 Porterville (40/65?) A1 & local (seen 7/31/98 to 4/1/01); K40DQ Tulare (80/130) Xltr of KMPH-26 (seen 3/18/95+ noted off 9/28/00) to move to ch 27; K42EJ Bakersfield (15/25) PSN (seen 5/22/98 & 11/6/99, not4ed off 9/3/99); K50CL McKittrick (40/65) Bakersfield College Instr TV (last noted May 99); K63EC Planada etc. (150/240) Xltr of KMPH-26 (seen 8/96 & 9/5/96) moved to ch 17 Merced.

The equipment I used was my old Sears B&W 10" with UHF 4-bay conical 16ft/5m AG & VHF 1-bay conical 10ft/3m AG. In the past, 1954 to 1974, bigger antennas at 45ft/12m AG & Zenith TV also gave fair to weak, though regular reception from VHFs in Los Angeles (11/185), San Diego (70/110), Springville (45/75), Salinas (150/240), San Jose (175/280), San Francisco (220/350), Stockton (200/320), and Sacramento (240/385). There are also newer VHF LPTVs in Bakersfield and Fresno, that I have not yet seen in Wasco with my present equipment.

My last new Wasco logging was April 10 with Ch. 27 duplicating KBFX-LP 58 (Fox) Bakersfield. This <u>may</u> be the former K40DQ Tulare which translated KMPH 26 (Fox) Visalia. K40DQ was to move to ch. 27 as K27FQ, so I am guessing that it has moved to Bakersfield as ny antenna heading is best to Bakersfield for both Chs. 27 and 58. This makes number 195 in my reconstructed Wasco TV total, subject to revision. The total does not include four tentative loggings in this bandscan (along with KCPM [now KNVN]-24 Chico [350/560] and KCMY [now KSPX]-29 Sacramento [235.365], both received in the early 1990s only as CCI behind locals), thoiugh I wonder at what point to be sufficiently certain of the signals without ID to count them.

The skip DX has not been good in recent years on any of my scattered trips to Wasco, with only some relogs and unIDs. My last new Es logging was July 4, 1972.

Left over from my Paradise report of last month: Correct my error/uncertainty re: UPN of WB affiliation of KMAX –31 vs KQCA-58 in Sacramento/Stockton market: KMAX-31 is UPN and KQCA-58 is WB, as they have been.

Best of DX to all. Dennis

		6 tr 1115	WOHO-	LP 33 MI Holland	<u>181</u>
William Eckberg, 103	2 Sterling Rd., Dixon,	7 Es 0935	KTVK	3 AZ	1348
IL 61021		1835	WEDU	3 FL	1031
		1845	WPBT	2 FL	1229
July 2001 CDT		1850	WFOR	4 FL	1229
3 tr 0050 WOAC 6	67 OH 417	2025	ICRT	2 CUBA	1347
0055 <u>WOAM</u> 6	<u>87</u> KY Morehead <u>393</u>	8 tr 0410	WOAC	67 OH	417
0100 WLFG 6	88 VA 487	Es 0900	KIII	3 TX	1072
0140 WYMT 5	57 KY 449	0910	KBEJ	2 TX	972
5 Es 1045 XEPM	2 CH 1162	0955	XEPM	2 TX	972

Name									
1035 XHY 2 YU	XF	HUPN 2	TAM	1201	1	300	KBEJ	2 TX	972
9 tr 0330 WOAC 67 OH 417 2000 WPBT 2 FL 1229	1030 W	PBT 2	FL	1229	1	310	KBCI	2 ID	1328
Es 0855 WLBZ 2 ME	1035 XF	HY 2	YU	1446	1	400	WWAY	3 NC	800
1005 WGBH 2 MA	9 tr 0330 W	OAC 67	OH	417	2	000	WPBT	2 FL	1229
1005 WGBH 2 MA	Es 0855 W	LBZ 2	ME	1030	14 Es 0	830	WEDU	3 FL	1030
1030 WFSB 3 CT									
1125 KMID									
1305 KOTA 3 SD 699 1325 WWL 4 LA 813 1310 KHMT 4 MT 925 1330 WKRG 5 AL 752 1315 KTVQ 2 MT 968 1500 KBEJ 2 TX 972 1335 KXMA 2 MD 732 KENS 5 TX 992 1400 KNOP 2 NE 575 1615 WDIQ 2 AL 737 1450 KTWO 2 WY 849 1705 KIII 3 TX 1072 1850 WPBT 2 FL 1229 1715 XHHPN 2 TAM 1201 1905 WEDU 3 FL 1031 1730 KPRC 2 TX 893 2000 WBRZ 2 LA 784 1805 WBBZ 2 LA 784 2030 KASA 2 NM 972 KMID 2 TX 967 2115 XEPM 2 CI 1162 1830 KASA 2 NM 972 10 Es 0935 WGBH 2 LA 784 1715 XEPM 2 CI 1162 1640 WWL 4 LA 813 11 Es 1330 WBRZ 2 LA 784 1715 XEPM 2 CI 1162 1640 WWL 4 LA 813 1806 KENW 3 NM 912 1800 WESH 2 FL 983 1805 KASA 2 NM 972 16 Es 1625 WEDU 3 FL 1031 1800 KENW 3 NM 912 1800 WBSZ 2 LA 784 1715 XEPM 2 CI 1162 1720 WEDU 3 FL 1031 1800 KENW 3 NM 912 1800 WBSH 2 FL 983 1855 KASA 2 NM 972 16 Es 1210 KASA 2 NM 972 16 Es 1640 WBRZ 2 LA 784 1900 KFRX 5 CO 1006 1300 WBRZ 2 LA 784 1900 KFRX 5 CO 1006 1300 WBRZ 2 LA 784 1900 KFRX 5 CO 1006 1300 WBRZ 2 LA 784 1900 KFRX 5 CO 1006 1300 WBRZ 2 LA 784 1900 KFRX 5 CO 1006 1300 WBRZ 2 LA 784 1900 KFRX 5 CO 1006 1300 WBRZ 2 LA 784 1900 KFRX 5 CO 1006 1300 WBRZ 2 LA 784 1900 KFRX 5 CO 1006 1300 WBRZ 2 LA 784 1900 KFRX 5 CO 1006 1300 WBRZ 2 LA 784 1900 KFRX 5 CO 1006 1300 WBRZ 2 LA 784 1900 KFRX 5 CO 1006 1300 WBRZ 2 LA 784 1900 KFRX 5 CO 1006 1300 WBRZ 2 LA 784 1900 KFRX 5 CO 1006 1300 WBRZ 2 LA 784 1900 KFRX 5 CO 1006 1300 WBRZ 2 LA 784 1900 KFRX 5 CO 1006 1300 WBRZ 2 LA 784 1300 KFRX 5 CO 1300 KFRX 5 CO 1300 KFRX 5 CO 1300 KFRX 5 CO 130									
1310 KHMT									
1315 KTVQ 2 MT 968									
1335 KXMA 2 MD 732									
1400 KNOP 2 NE					Į;				
1450 KTWO 2 WY 849 1705 KIII 3 TX 1072 1850 WPBT 2 FL 1229 1715 XHHPN 2 TAM 1201 1905 WEDU 3 FL 1031 1730 KPRC 2 TX 893 2000 WBRZ 2 LA 784 1805 WBRZ 2 LA 784 2030 KASA 2 NM 972 KMID 2 TX 967 2115 XEPM 2 CI 1162 1830 KASA 2 NM 972 10 Es 0935 WGBH 2 MA 918 15 Es 1625 WPBT 2 FL 1229 1735 XEPM 2 CI 1162 1640 WWL 4 LA 813 11 Es 1330 WBRZ 2 LA 784 1715 XEPM 2 CI 1162 1640 WWL 4 LA 813 1800 KENW 3 NM 912 1800 WESH 2 FL 1933 1850 KASA 2 NM 972 16 Es 1210 WEDU 3 FL 1031 1800 KENW 3 NM 912 1800 WESH 2 FL 983 1855 KASA 2 NM 972 16 Es 1210 KASA 2 NM 972 1900 KREX 5 CO 1006 1300 WBRZ 2 LA 784 KPHO 5 AZ 1348 1330 KOAA 5 CO 828 1905 KTVK 3 AZ 1348 1330 KOAA 5 CO 828 1905 KTVK 3 AZ 1348 KENW 3 NM 912 1220 XHHUPN 2 TAM 1201 XEPM 2 CI 1162 2000 XEFB 2 NL 1282 1500 KNAZ 2 AZ 1258 12 Es 0930 WWL 4 LA 813 1600 KATC 3 LA 809 WBRZ 2 LA 784 1900 KIDK 3 ID 1123 1100 KGBT 4 TX 1183 17 Es 1105 XEFB 2 NL 1282 1045 KMOL 4 TX 992 2035 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1100 KGBT 4 TX 1992 2005 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1100 KGBT 2 TX 992 2005 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1100 KGBT 2 TX 992 2205 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1100 KGBT 2 TX 992 2205 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1100 KGBT 2 TX 992 2205 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1100 KGBT 2 TX 992 2200 KBI 5 SA 1063 1125 XEPM 2 CI 1162 2305 KBCI 2 ID 1328 1220 XEFB 2 NL 1282 18 tr 2205 KDSD 16 SD 509 2020 KNAZ 2 AZ 1258 2235 KSAX 42 MN 404 2100 KIDK 3 ID 1123 1530 KMID 2 TX 997 1100 KFB 5 MT 1112 1605 XEFB 2 NL 1282 1100 KFB 5 MT 1112 1605 XEFB 2 NL 1282 1100 KFB 5 MT 1112 1605 XEFB 2 NL 1282 1100 KFB 5 MT 1112 1605 XEFB 2 NL 1282 1100 KFB 5 MT 1112 1605 XEFB 2 NL 1282 1100 KFB 5 MT 1112 1605 XEFB 2 NL 1282 1100 KFB 5 MT 1112 1605 XEFB 2 NL 1229 TX 997 1100 KFB 5 MT 1112 1605 XEFB 2 NL 1229 TX 997 1100 KFB 5 MT 1112 1605 XEFM 2 CI 1162 1100 KFB 5 MT 1112 1605 XEFB 2 NL 1229 TX 997 1100 KFB 5 MT 1112 1605 XEFB 2 NL 1229 TX 997 1100 KFB 5 MT 1112 160					4				
1850 WPBT 2 FL 1229 1715 XHHPN 2 TAM 1201 1905 WEDU 3 FL 1031 1730 KPRC 2 TX 893 2000 WBRZ 2 LA 784 1805 WBRZ 2 LA 784 2030 KASA 2 NM 972 KMID 2 TX 967 2115 XEPM 2 CI 1162 1830 KASA 2 NM 972 10 Es 0935 WGBH 2 MA 918 15 Es 1625 WPBT 2 FL 1229 1735 XEPM 2 CI 1162 1640 WWL 4 LA 813 11 Es 1330 WBRZ 2 LA 784 1715 XEPM 2 CI 1162 1640 WWL 4 LA 813 1800 KENW 3 NM 972 16 Es 1210 KASA 2 NM 972 1900 KRW 3 NM 972 16 Es 1210 KASA 2 NM 972 1900 KRW 3 NM 972 16 Es 1210 KASA 2 NM 972 1900 KRW 3 NM 972 16 Es 1210 KASA 2 NM 972 1900 KREX 5 CO 1006 1300 WBRZ 2 LA 784 KPHO 5 AZ 1348 1330 KOAA 5 CO 828 1905 KTVK 3 AZ 1348 1330 KOAA 5 CO 828 1905 KTVK 3 AZ 1348 1600 KATC 3 LA 809 WBRZ 2 LA 784 1900 KIBK 3 ID 1123 1000 KGBT 4 TX 1183 17 Es 1105 XEPM 2 CI 1162 1000 KGBT 4 TX 1183 17 Es 1105 XEPB 2 NL 1282 1000 KGBT 4 TX 1183 17 Es 1105 XEPB 2 NL 1282 1000 KGBT 4 TX 1183 17 Es 1105 XEPB 2 NL 1282 1100 KGBT 4 TX 1110 KGBT 4 TX 1110 XEBT 4 T									
1905 WEDU 3 FL 1031 1730 KPRC 2 TX 893 2000 WBRZ 2 LA 784 1805 WBRZ 2 LA 784 2030 KASA 2 NM 972 KMID 2 TX 967 2115 XEPM 2 CI 1162 1830 KASA 2 NM 972 1735 XEPM 2 CI 1162 1640 WWL 4 LA 813 11 Es 1330 WBRZ 2 LA 784 1715 XEPM 2 CI 1162 1640 WWL 4 LA 813 1805 KASA 2 NM 972 1755 XEPM 2 CI 1162 1640 WWL 4 LA 813 1800 KENW 3 NM 912 1800 WESH 2 FL 983 1855 KASA 2 NM 972 166 Es 1210 KASA 2 NM 972 1900 KREX 5 CO 1006 1300 WBRZ 2 LA 784 1715 XEPM 2 CI 1031 1800 KENW 3 NM 912 1800 WESH 2 FL 983 1855 KASA 2 NM 972 16 Es 1210 KASA 2 NM 972 1900 KREX 5 CO 1006 1300 WBRZ 2 LA 784 1790 KREX 5 CO 828 1905 KTVK 3 AZ 1348 1330 KOAA 5 CO 828 1905 KTVK 3 AZ 1348 1330 KOAA 5 CO 828 1905 KTVK 3 AZ 1348 1330 KOAA 5 CO 828 1200 XEFB 2 NL 1282 1500 KNAZ 2 AZ 1258 12 Es 0930 WWL 4 LA 813 1600 KATC 3 LA 809 WBRZ 2 LA 784 1900 KIDK 3 ID 1123 1000 KGBT 4 TX 1183 17 Es 1105 XEFB 2 NL 1282 1045 KMOL 4 TX 992 2035 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1100 KBEJ 2 TX 972 2200 CKBI 5 SA 1063 1125 XEPM 2 CI 1162 2305 KBCI 2 ID 1328 1220 XEFB 2 NL 1282 18 tr 2205 KDSD 16 SD 509 2020 KNAZ 2 AZ 1258 235 KASX 42 MN 404 13 Es 0800 WUND 2 NC 797 Es 2000 XHHUPN 2 TAM 1201 1000 KFRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1030 KIDK 3 ID 1123 1530 KMID 2 TX 967 1100 KFRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1030 KIDK 3 ID 1123 1500 KBBJ 2 TX 972 1100 KFRB 5 MT 1112 1605 XEFM 2 CI 1162 TX 967 1100 KFRB 5 MT 1112 1605 XEFM 2 CI 1162 TX 967 1100 KFRB 5 MT 1112 1605 XEFM 2 CI 1162 TX 967 1100 KFRB 5 MT 1112 1605 XEFM 2 CI 1162 TX 967 1100 KFRB 5 MT 1112 1605 XEFM 2 CI 1162 TX 967 1100 KFRB 5 MT 1112 1605 XEFM 2 CI 1162 TX 967 1100 KFRB 5 MT 1112 1605 XEFM 2 CI 1162 TX 967 1100 KFRB 5 MT 1112 1605 XEFM 2 CI 1162 TX 967 1100 KFRB 5 MT 1112 1605 XEFM 2 CI 1162 TX 967 1100 KFRB 5 MT 1112 1605 XEFM 2 CI 1162 TX 967 1100 KFRB 5 MT 1112 1605 XEFM 2 CI 1162 TX 967 1100 KFRB 5 MT 1112 1605 XEFM 2 CI 1162 TX 967 1100 KFRB 5 MT 1112 1605 XEFM 2 CI 1162 TX 967 1100 KFRB 5 MT 1112 1605 XEFM 2 CI 1162 TX 967 1100 KFRB 5 MT 1112 1605 XEFM 2 CI 1162 TX 972 1100 KFRB 5									
2000 WBRZ 2 LA 784 1805 WBRZ 2 LA 794 2030 KASA 2 NM 972 KMID 2 TX 967 2115 XEPM 2 CI 1162 1830 KASA 2 NM 972 10 Es 0935 WGBH 2 MA 918 15 Es 1625 WPBT 2 FL 1229 1735 XEPM 2 CI 1162 1640 WWL 4 LA 813 11 Es 1330 WBRZ 2 LA 784 1715 XEPM 2 CI 1162 1755 XEPM 2 CI 1162 1720 WEDU 3 FL 1031 1800 KENW 3 NM 912 1800 WESH 2 FL 983 1855 KASA 2 NM 972 16 Es 1210 KASA 2 NM 972 1900 KREX 5 CO 1006 1300 WBRZ 2 LA 784 KPHO 5 AZ 1348 1330 KOAA 5 CO 828 1905 KTVK 3 AZ 1348 KENW 3 NM 912 1920 XHHUPN 2 TAM 1201 XEPM 2 CI 1162 2000 XEFB 2 NL 1282 1500 KNAZ 2 AZ 1258 12 Es 0930 WWL 4 LA 813 17 Es 1105 XEFB 2 NL 1282 1006 KATC 3 LA 809 WBRZ 2 LA 784 1900 KIDK 3 ID 1123 1000 KGBT 4 TX 1183 17 Es 1105 XEFB 2 NL 1282 1045 KMOL 4 TX 992 2035 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1125 XEFB 2 NL 1282 1220 XEFB 2 NL 1282 1220 XEFB 2 NL 1282 1220 XEFB 2 NL 1238 1236 XEFB 2 NL 1236 1236 XEFB									
2030 KASA 2 NM 972									
2115 XEPM 2 CI 1162					1				
10 Es 0935 WGBH 2 MA 918 15 Es 1625 WPBT 2 FL 1229 1735 XEPM 2 Cl 1162 1640 WWL 4 LA 813 11 Es 1330 WBRZ 2 LA 784 1715 XEPM 2 Cl 1162 1755 XEPM 2 Cl 1162 1720 WEDU 3 FL 1031 1800 KENW 3 NM 912 1800 WESH 2 FL 983 1855 KASA 2 NM 972 16 Es 1210 KASA 2 NM 972 1900 KREX 5 CO 1006 1300 WBRZ 2 LA 784 KPHO 5 AZ 1348 1330 KOAA 5 CO 828 KENW 3 NM 912 1800 WESH 2 FL 162 1905 XTVK 3 AZ 1348 KENW 3 NM 912 1920 XHHUPN 2 TAM 1201 XEPM 2 Cl 1162 2000 XEFB 2 NL 1282 1500 KNAZ 2 AZ 1258 12 Es 0930 WWL 4 LA 813 1600 KATC 3 LA 809 WBRZ 2 LA 784 1900 KIDK 3 ID 1123 1000 KGBT 4 TX 1183 17 Es 1105 XEFB 2 NL 1282 1045 KMOL 4 TX 992 2035 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1100 KBEJ 2 TX 972 2200 CKBI 5 SA 1063 1125 XEPM 2 Cl 1162 2305 KBCI 2 ID 1328 1220 XEFB 2 NL 1282 18 tr 2205 KDSD 16 SD 509 2020 KNAZ 2 AZ 1258 2235 KSAX 42 MN 404 2100 KIDK 3 ID 1123 20 tr 0500 KSAX 42 MN 404 13 Es 0800 WUND 2 NC 797 Es 2000 XHHUPN 2 TAM 1201 1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1800 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KFBB 5 MT 1112 1605 XEPM 2 Cl 1162 1100 KFBB 5 MT 1112 1605 XEPM 2 Cl 1162 1100 KFBB 5 MT 1112 1605 XEPM 2 Cl 1162 1100 KFBB 5 MT 1112 1605 XEPM 2 Cl 1162 1100 KFBB 5 MT 1112 1605 XEPM 2 Cl 1162 1100 KFBB 5 MT 1112 1605 XEPM 2 Cl 1162 1100 KFBB 5 MT 1112 1605 XEPM 2 Cl 1162 1100 KFBB 5 MT 1112 1605 XEPM 2 Cl 1162 1100 XEBH 2 FL 983 1705 WFOR 4 FL 1229 1120 XEMB 2 FL 983 1705 WFOR 4 FL 1229 1120 XEMB 2 FL	2030 KA	ASA 2	NM	972			KMID	2 TX	967
1735 XEPM 2 CI 1162 1640 WWL 4 LA 813 11 Es 1330 WBRZ 2 LA 784 1715 XEPM 2 CI 1162 1755 XEPM 2 CI 1162 1755 XEPM 2 CI 1162 1720 WEDU 3 FL 1031 1800 KENW 3 NM 912 1800 WESH 2 FL 983 1855 KASA 2 NM 972 16 Es 1210 KASA 2 NM 972 1900 KREX 5 CO 1006 1300 WBRZ 2 LA 784 KPHO 5 AZ 1348 1330 KOAA 5 CO 828 1905 KTVK 3 AZ 1348 KENW 3 NM 912 1920 XHHUPN 2 TAM 1201 XEPM 2 CI 1162 2000 XEFB 2 NL 1282 1500 KNAZ 2 AZ 1258 12 Es 0930 WWL 4 LA 813 1600 KATC 3 LA 809 WBRZ 2 LA 784 1900 KGBT 4 TX 1183 17 Es 1105 XEFB 2 NL 1282 1045 KMOL 4 TX 992 2035 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1100 KBEJ 2 TX 972 2200 CKBI 5 SA 1063 1125 XEPM 2 CI 1162 2305 KBCI 2 ID 1328 1220 XEFB 2 NL 1282 18 tr 2205 KDSD 16 SD 509 2020 KNAZ 2 AZ 1258 2235 KSAX 42 MN 404 2100 KIDK 3 ID 1123 1000 KIDK 3 ID 1123 123 13 Es 0800 WUND 2 NC 797 Es 2000 XHUPN 2 TAM 1201 1232 135 KIDK 3 ID 1328 130 KIDK 3 ID 1123 1000 KIDK 3 ID 1123 1125 XEPM 2 CI 1162 2305 KBCI 2 ID 1328 1220 XEFB 2 NL 1282 18 tr 2205 KDSD 16 SD 509 2020 KNAZ 2 AZ 1258 2235 KSAX 42 MN 404 2100 KIDK 3 ID 1123 20 tr 0500 KSAX 42 MN 404 2100 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1030 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KPBC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1030 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KPBC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1030 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KPBC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1030 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KPBB 5 MT 1112 1605 XEPM 2 CI 1162 1100 KPBB 5 MT 1112 1605 XEPM 2 CI 1162 1100 KPBB 5 MT 1112 1605 XEPM 2 CI 1162 1100 KPBB 5 MT 1112 1605 XEPM 2 CI 1162 1100 KPBB 5 MT 1112 1605 XEPM 2 CI 1162 1100 KPBB 5 MT 1112 1605 XEPM 2 CI 1162 1100 KPBB 5 MT 1112 1605 XEPM 2 CI 1162 1100 KPBB 5 MT 1112 1605 XEPM 2 CI 1162 1100 KPBB 5 MT 1112 1605 XEPM 2	2115 XE	PM 2	CI	1162	1	830	KASA	2 NM	972
11 Es 1330 WBRZ 2 LA 784 1715 XEPM 2 CI 1162 1755 XEPM 2 CI 1162 1720 WEDU 3 FL 1031 1800 KENW 3 NM 912 1800 WESH 2 FL 983 1855 KASA 2 NM 972 16 Es 1210 KASA 2 NM 972 1900 KREX 5 CO 1006 1300 WBRZ 2 LA 784 KPHO 5 AZ 1348 1330 KOAA 5 CO 828 1905 KTVK 3 AZ 1348 KENW 3 NM 912 1920 XHHUPN 2 TAM 1201 XEPM 2 CI 1162 2000 XEFB 2 NL 1282 1500 KNAZ 2 AZ 1258 12 Es 0930 WWL 4 LA 813 1600 KATC 3 LA 809 WBRZ 2 LA 784 1900 KIDK 3 ID 1123 1000 KGBT 4 TX 1183 17 Es 1105 XEFB	10 Es 0935 W	GBH 2	MA	918	15 Es 1	625	WPBT	2 FL	1229
1755 XEPM 2 CI 1162 1720 WEDU 3 FL 1031 1800 KENW 3 NM 912 1800 WESH 2 FL 983 1855 KASA 2 NM 972 16 Es 1210 KASA 2 NM 972 1900 KREX 5 CO 1006 1300 WBRZ 2 LA 784 KPHO 5 AZ 1348 1330 KOAA 5 CO 828 1905 KTVK 3 AZ 1348 KENW 3 NM 912 1920 XHHUPN 2 TAM 1201 XEPM 2 CI 1162 2000 XEFB 2 NL 1282 1500 KNAZ 2 AZ 1258 12 Es 0930 WWL 4 LA 813 1600 KATC 3 LA 809 WBRZ 2 LA 784 1900 KIDK 3 ID 1123 1000 KGBT 4 TX 1183 17 Es 1105 XEFB 2 NL 1282 1045 KIU 3 TX 1072 2135 KIDK 3 ID 1123 1100 KBEJ 2 TX 972 2000 CKBI 5 SA 1063 1125 XEPM 2 CI 1162 2305 KBCI 2 ID 1328 1220 XEFB 2 NL 1282 18 tr 2205 KBCI 2 ID 1328 1220 XEFB 2 NL 1282 18 tr 2205 KDSD 16 SD 509 2020 KNAZ 2 AZ 1258 2235 KSAX 42 MN 404 13 Es 0800 WUND 2 NC 797 Es 2000 XHHUPN 2 TAM 1201 1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1000 KIDK 3 ID 1123 1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1000 KIDK 3 ID 1123 1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1000 KIDK 3 ID 1123 1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1000 KIDK 3 ID 1123 1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1000 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KFBB 5 MT 1112 1605 XEPM 2 CI 1162 1110 WEDU 3 FL 1031 1655 WESH 2 FL 983 WESH 2 FL 983 1705 WFOR 4 FL 1229 1120 WRBL 3 GA 683 WEDU 3 FL 1031 1200 KHMT 4 MT 925 1715 WPBT 2 FL 1229	1735 XE	PM 2	CI	1162	1	640	WWL	4 LA	813
1800 KENW 3 NM 912 1800 WESH 2 FL 983 1855 KASA 2 NM 972 16 Es 1210 KASA 2 NM 972 1900 KREX 5 CO 1006 1300 WBRZ 2 LA 784 KPHO 5 AZ 1348 1330 KOAA 5 CO 828 1905 KTVK 3 AZ 1348 KENW 3 NM 912 1920 XHHUPN 2 TAM 1201 XEPM 2 CI 1162 2000 XEFB 2 NL 1282 1500 KNAZ 2 AZ 1258 12 Es 0930 WWL 4 LA 813 1600 KATC 3 LA 809 WBRZ 2 LA 784 1900 KIDK 3 ID 1123 1004 KGBT 4 TX 1183 17 Es 1105 XEFB 2 NL 1282 1045 KMOL 4 TX 1992 2035 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1120 KBEJ 2 TX 972 2200 CKBI 5 SA 1063 1125 XEPM 2 CI 1162 2305 KBCI<	11 Es 1330 W	BRZ 2	LA	784	1	715	XEPM	2 CI	1162
1800 KENW 3 NM 912 1800 WESH 2 FL 983 1855 KASA 2 NM 972 16 Es 1210 KASA 2 NM 972 1900 KREX 5 CO 1006 1300 WBRZ 2 LA 784 KPHO 5 AZ 1348 1330 KOAA 5 CO 828 1905 KTVK 3 AZ 1348 KENW 3 NM 912 1920 XHHUPN 2 TAM 1201 XEPM 2 CI 1162 2000 XEFB 2 NL 1282 1500 KNAZ 2 AZ 1258 12 Es 0930 WWL 4 LA 813 1600 KATC 3 LA 809 WBRZ 2 LA 784 1900 KIDK 3 ID 1123 1004 KGBT 4 TX 1183 17 Es 1105 XEFB 2 NL 1282 1045 KMOL 4 TX 1992 2035 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1120 KBEJ 2 TX 972 2200 CKBI 5 SA 1063 1125 XEPM 2 CI 1162 2305 KBCI<	1755 XE	PM 2	CI	1162	1	720	WEDU	3 FL	1031
1855 KASA 2 NM 972 16 Es 1210 KASA 2 NM 972 1900 KREX 5 CO 1006 1300 WBRZ 2 LA 784 KPHO 5 AZ 1348 1330 KOAA 5 CO 828 1905 KTVK 3 AZ 1348 KENW 3 NM 912 1920 XHHUPN 2 TAM 1201 XEPM 2 CI 1162 2000 XEFB 2 NL 1282 1500 KNAZ 2 AZ 1258 12 Es 0930 WWL 4 LA 813 1600 KATC 3 LA 809 WBRZ 2 LA 784 1900 KIDK 3 ID 1123 1000 KGBT 4 TX 1183 17 Es 1105 XEFB 2 NL 1282 1045 KMOL 4 TX 992 2035 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1100 KBEJ 2 TX 972 2200 CKBI 5 SA 1063 1125 XEPM 2 CI 1162 2305 KBCI 2 ID 1328 1220 XEFB 2 NL 1282 18 tr 205 KDSD					1	800	WESH		
1900 KREX 5 CO 1006 1300 WBRZ 2 LA 784 KPHO 5 AZ 1348 1330 KOAA 5 CO 828 1905 KTVK 3 AZ 1348 KENW 3 NM 912 1920 XHHUPN 2 TAM 1201 XEPM 2 CI 1162 2000 XEFB 2 NL 1282 1500 KNAZ 2 AZ 1258 12 Es 0930 WWL 4 LA 813 1600 KATC 3 LA 809 WBRZ 2 LA 784 1900 KIDK 3 ID 1123 1000 KGBT 4 TX 1183 17 Es 1105 XEFB 2 NL 1282 1045 KMOL 4 TX 1992 2035 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1100 KBEJ 2 TX 972 2200 CKBI 5 SA 1063 1125 XEFB 2 NL 1282 18 tr 2205 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>									
KPHO 5 AZ 1348									
1905 KTVK 3 AZ 1348 KENW 3 NM 912 1920 XHHUPN 2 TAM 1201 XEPM 2 CI 1162 2000 XEFB 2 NL 1282 1500 KNAZ 2 AZ 1258 12 Es 0930 WWL 4 LA 813 1600 KATC 3 LA 809 WBRZ 2 LA 784 1900 KIDK 3 ID 1123 1000 KGBT 4 TX 1183 17 Es 1105 XEFB 2 NL 1282 1045 KMOL 4 TX 992 2035 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1100 KBEJ 2 TX 972 2200 CKBI 5 SA 1063 1125 XEPM 2 CI 1162 2305 KBCI 2 ID 1328 1220 XEFB 2 NL 1282 18 tr 2205 KDSD 16 SD 509 2020 KNAZ 2 AZ 1258 235 KSAX 42 MN 404 2100 KIDK 3 ID 1123 20 tr 0500 KSAX 42 MN 404 13 Es 0800 WUND 2 NC 797 Es 2000 XHHUPN 2 TAM 1201 1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1030 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KFBB 5 MT 1112 1605 XEPM 2 CI 1162 1110 WEDU 3 FL 1031 1655 WESH 2 FL 983 WESH 2 FL 983 1705 WFOR 4 FL 1229 1120 WRBL 3 GA 683 WEDU 3 FL 1031 1200 KHMT 4 MT 925 1715 WPBT 2 FL 1229									
1920 XHHUPN 2 TAM 1201 XEPM 2 CI 1162 2000 XEFB 2 NL 1282 1500 KNAZ 2 AZ 1258 12 ES 0930 WWL 4 LA 813 1600 KATC 3 LA 809 WBRZ 2 LA 784 1900 KIDK 3 ID 1123 1000 KGBT 4 TX 1183 17 Es 1105 XEFB 2 NL 1282 1045 KMOL 4 TX 992 2035 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1100 KBEJ 2 TX 972 2200 CKBI 5 SA 1063 1125 XEPM 2 CI 1162 2305 KBCI 2 ID 1328 1220 XEFB 2 NL 1282 18 tr 2205 KDSD 16 SD 509 2020 KNAZ 2 AZ 1258 2235 KSAX 42 MN 404 2100 KIDK 3 ID 1123 20 tr 0500 KSAX 42 MN 404 13 ES 0800 WUND 2 NC 797 Es 2000 XHHUPN 2 TAM 1201 1000 KPRC 2 TX 893 21 ES 1435 XEFB 2 NL 1282 1030 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 967 1160 KFBB 5 MT 1112 1605 XEPM 2 CI 1162 1110 WEDU 3 FL 1031 1655 WESH 2 FL 983 WESH 2 FL 983 WESH 2 FL 983 1705 WFOR 4 FL 1229 1120 WRBL 3 GA 683 WEDU 3 FL 1031 1200 KHMT 4 MT 925 1715 WPBT 2 FL 1031					•				
2000 XEFB 2 NL 1282 1500 KNAZ 2 AZ 1258 12 Es 0930 WWL 4 LA 813 1600 KATC 3 LA 809 WBRZ 2 LA 784 1900 KIDK 3 ID 1123 1000 KGBT 4 TX 1183 17 Es 1105 XEFB 2 NL 1282 1045 KMOL 4 TX 992 2035 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1100 KBEJ 2 TX 972 2200 CKBI 5 SA 1063 1125 XEPM 2 CI 1162 2305 KBCI 2 ID 1328 1220 XEFB 2 NL 1282 18 tr 2205 KDSD 16 SD 509 2020 KNAZ 2 AZ 1258 2235 KSAX 42 MN 404 2100 KIDK 3 ID 1123 20 tr 0500 KSAX 42 MN 404 13 Es 0800 WUND 2 NC 797 Es 2000 XHHUPN 2 TAM 1201 1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1030 KIDK									
12 Es 0930 WWL					1				
WBRZ 2 LA 784 1900 KIDK 3 ID 1123 1000 KGBT 4 TX 1183 17 Es 1105 XEFB 2 NL 1282 1045 KMOL 4 TX 992 2035 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1100 KBEJ 2 TX 972 2200 CKBI 5 SA 1063 1125 XEPM 2 CI 1162 2305 KBCI 2 ID 1328 1220 XEFB 2 NL 1282 18 tr 2205 KDSD 16 SD 509 2020 KNAZ 2 AZ 1258 2235 KSAX 42 MN 404 2100 KIDK 3 ID 1123 20 tr 0500 KSAX 42 MN 404 13 Es 0800 WUND 2 NC 797 Es 2000 XHHUPN 2 TAM 1201 1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1030 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 <									
1000 KGBT 4 TX 1183 17 Es 1105 XEFB 2 NL 1282 1045 KMOL 4 TX 992 2035 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1100 KBEJ 2 TX 972 2200 CKBI 5 SA 1063 1125 XEPM 2 CI 1162 2305 KBCI 2 ID 1328 1220 XEFB 2 NL 1282 18 tr 2205 KDSD 16 SD 509 2020 KNAZ 2 AZ 1258 2235 KSAX 42 MN 404 2100 KIDK 3 ID 1123 20 tr 0500 KSAX 42 MN 404 13 Es 0800 WUND 2 NC 797 Es 2000 XHHUPN 2 TAM 1201 1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1030 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KFBB 5 MT 1112 1605 XEPM 2 CI 1162 1110 WEDU									
1045 KMOL 4 TX 992 2035 KTVQ 2 MT 968 1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1100 KBEJ 2 TX 972 2200 CKBI 5 SA 1063 1125 XEPM 2 CI 1162 2305 KBCI 2 ID 1328 1220 XEFB 2 NL 1282 18 tr 2205 KDSD 16 SD 509 2020 KNAZ 2 AZ 1258 2235 KSAX 42 MN 404 2100 KIDK 3 ID 1123 20 tr 0500 KSAX 42 MN 404 13 Es 0800 WUND 2 NC 797 Es 2000 XHHUPN 2 TAM 1201 1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1030 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KFBB 5 MT 1112 1605 XEPM 2 CI 1162 1110 WEDU 3 FL 1031 1655 WESH 2 FL 983 WESH 2 FL <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
1055 KIII 3 TX 1072 2135 KIDK 3 ID 1123 1100 KBEJ 2 TX 972 2200 CKBI 5 SA 1063 1125 XEPM 2 CI 1162 2305 KBCI 2 ID 1328 1220 XEFB 2 NL 1282 18 tr 2205 KDSD 16 SD 509 2020 KNAZ 2 AZ 1258 2235 KSAX 42 MN 404 2100 KIDK 3 ID 1123 20 tr 0500 KSAX 42 MN 404 13 Es 0800 WUND 2 NC 797 Es 2000 XHHUPN 2 TAM 1201 1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1030 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KFBB 5 MT 1112 1605 XEPM 2 CI 1162 1110 WEDU 3 FL 1031 1655 WESH 2 FL 983 WESH 2 FL 983 1705 WFOR 4 FL 1229 11200 KHMT 4 MT<									
1100 KBEJ 2 TX 972 2200 CKBI 5 SA 1063 1125 XEPM 2 CI 1162 2305 KBCI 2 ID 1328 1220 XEFB 2 NL 1282 18 tr 2205 KDSD 16 SD 509 2020 KNAZ 2 AZ 1258 2235 KSAX 42 MN 404 2100 KIDK 3 ID 1123 20 tr 0500 KSAX 42 MN 404 13 Es 0800 WUND 2 NC 797 Es 2000 XHHUPN 2 TAM 1201 1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1030 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KFBB 5 MT 1112 1605 XEPM 2 CI 1162 1110 WEDU 3 FL 1031 1655 WESH 2 FL 983 WESH 2 FL 983 1705 WFOR 4 FL 1229 1120 WRBL 3 GA 683 WEDU 3 FL 1031 1200 KHMT 4 MT									
1125 XEPM 2 CI 1162 2305 KBCI 2 ID 1328 1220 XEFB 2 NL 1282 18 tr 2205 KDSD 16 SD 509 2020 KNAZ 2 AZ 1258 2235 KSAX 42 MN 404 2100 KIDK 3 ID 1123 20 tr 0500 KSAX 42 MN 404 13 Es 0800 WUND 2 NC 797 Es 2000 XHHUPN 2 TAM 1201 1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1030 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KFBB 5 MT 1112 1605 XEPM 2 CI 1162 1110 WEDU 3 FL 1031 1655 WESH 2 FL 983 WESH 2 FL 983 1705 WFOR 4 FL 1229 1120 KHMT 4 MT 925 1715 WPBT 2 FL 1229									
1220 XEFB 2 NL 1282 18 tr 2205 KDSD 16 SD 509 2020 KNAZ 2 AZ 1258 2235 KSAX 42 MN 404 2100 KIDK 3 ID 1123 20 tr 0500 KSAX 42 MN 404 13 Es 0800 WUND 2 NC 797 Es 2000 XHHUPN 2 TAM 1201 1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1030 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KFBB 5 MT 1112 1605 XEPM 2 CI 1162 1110 WEDU 3 FL 1031 1655 WESH 2 FL 983 WESH 2 FL 983 1705 WFOR 4 FL 1229 1120 WRBL 3 GA 683 WEDU 3 FL 1031 1200 KHMT 4 MT 925 1715 WPBT 2 FL 1229									
2020 KNAZ 2 AZ 1258 2235 KSAX 42 MN 404 2100 KIDK 3 ID 1123 20 tr 0500 KSAX 42 MN 404 13 Es 0800 WUND 2 NC 797 Es 2000 XHHUPN 2 TAM 1201 1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1030 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KFBB 5 MT 1112 1605 XEPM 2 CI 1162 1110 WEDU 3 FL 1031 1655 WESH 2 FL 983 WESH 2 FL 983 1705 WFOR 4 FL 1229 1120 WRBL 3 GA 683 WEDU 3 FL 1031 1200 KHMT 4 MT 925 1715 WPBT 2 FL 1229									
2100 KIDK 3 ID 1123 20 tr 0500 KSAX 42 MN 404 13 Es 0800 WUND 2 NC 797 Es 2000 XHHUPN 2 TAM 1201 1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1030 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KFBB 5 MT 1112 1605 XEPM 2 CI 1162 1110 WEDU 3 FL 1031 1655 WESH 2 FL 983 1705 WFOR 4 FL 1229 1120 WRBL 3 GA 683 WEDU 3 FL 1031 1200 KHMT 4 MT 925 1715 WPBT 2 FL 1229									
13 Es 0800 WUND 2 NC 797 Es 2000 XHHUPN 2 TAM 1201 1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1030 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KFBB 5 MT 1112 1605 XEPM 2 CI 1162 1110 WEDU 3 FL 1031 1655 WESH 2 FL 983 WESH 2 FL 983 1705 WFOR 4 FL 1229 1120 WRBL 3 GA 683 WEDU 3 FL 1031 1200 KHMT 4 MT 925 1715 WPBT 2 FL 1229									
1000 KPRC 2 TX 893 21 Es 1435 XEFB 2 NL 1282 1030 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KFBB 5 MT 1112 1605 XEPM 2 CI 1162 1110 WEDU 3 FL 1031 1655 WESH 2 FL 983 WESH 2 FL 983 1705 WFOR 4 FL 1229 1120 WRBL 3 GA 683 WEDU 3 FL 1031 1200 KHMT 4 MT 925 1715 WPBT 2 FL 1229									
1030 KIDK 3 ID 1123 1530 KMID 2 TX 967 1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KFBB 5 MT 1112 1605 XEPM 2 CI 1162 1110 WEDU 3 FL 1031 1655 WESH 2 FL 983 WESH 2 FL 983 1705 WFOR 4 FL 1229 1120 WRBL 3 GA 683 WEDU 3 FL 1031 1200 KHMT 4 MT 925 1715 WPBT 2 FL 1229									
1055 KTVQ 2 MT 968 1550 KBEJ 2 TX 972 1100 KFBB 5 MT 1112 1605 XEPM 2 CI 1162 1110 WEDU 3 FL 1031 1655 WESH 2 FL 983 WESH 2 FL 983 1705 WFOR 4 FL 1229 1120 WRBL 3 GA 683 WEDU 3 FL 1031 1200 KHMT 4 MT 925 1715 WPBT 2 FL 1229				893				2 NL	1282
1100 KFBB 5 MT 1112 1605 XEPM 2 CI 1162 1110 WEDU 3 FL 1031 1655 WESH 2 FL 983 WESH 2 FL 983 1705 WFOR 4 FL 1229 1120 WRBL 3 GA 683 WEDU 3 FL 1031 1200 KHMT 4 MT 925 1715 WPBT 2 FL 1229	1030 KI	DK 3	ID	1123	1:	530	KMID	2 TX	967
1110 WEDU 3 FL 1031 1655 WESH 2 FL 983 WESH 2 FL 983 1705 WFOR 4 FL 1229 1120 WRBL 3 GA 683 WEDU 3 FL 1031 1200 KHMT 4 MT 925 1715 WPBT 2 FL 1229	1055 KT	VQ 2	MT	968	1:	550	KBEJ		
WESH 2 FL 983 1705 WFOR 4 FL 1229 1120 WRBL 3 GA 683 WEDU 3 FL 1031 1200 KHMT 4 MT 925 1715 WPBT 2 FL 1229	1100 KF	BB 5	MT	1112	1	605	XEPM	2 CI	1162
1120 WRBL 3 GA 683 WEDU 3 FL 1031 1200 KHMT 4 MT 925 1715 WPBT 2 FL 1229	1110 W	EDU 3	FL	1031	1	655	WESH	2 FL	983
1120 WRBL 3 GA 683 WEDU 3 FL 1031 1200 KHMT 4 MT 925 1715 WPBT 2 FL 1229	W	ESH 2	FL	983	1	705	WFOR	4 FL	1229
1200 KHMT 4 MT 925 1715 WPBT 2 FL 1229	1120 W	RBL 3	GA	683			WEDU	3 FL	
					1				
									-

July 8 saw the year's longest Es to Merida, YU (1446 mi). July 9 saw the year's shortest Es to North Platte, NE (575 mi). With 325 Es stations logged to Aug. 1, 2001, this is the most Es stations ever in one year.

I've seen Santa Fe on the screen and mentioned twice. Educational 3 in Portales, NM seems unlikely. No one has reported KOFT-3, so will wait til I see the call letters.

With help from Dxers at the Boise convention, I was able to identify new Holland, MI-33 from a photo. No luck with other unidentified stations. Everyone had a great time with the trip up the mountain and the tours of the three TV stations.

Jeff Kadet, K1MOD/9 1143 E Adams St., Macomb, IL 61455

August 7, 2001

1137 WIVT 34 NY Binghamton

773

Morris Sorensen, Winnipeg, MB

Equipment: RCA b&w portable (circa 1983) Color Supreme 200 amplified rabbit ears

July 2001 CDT

9 Es 2258 WJBK 2 MI Dearborn 848 17 Es 2100 KACV 2 TX Amarillo 1042 19 tr 1930 CKND2 2 MB Minnedosa

Jeff Shultz, Forsyth, Illinois, njkpshultz@aol.com

Equipment: Antenna: Smartenna Model 3000 A @15'. TV. Toshiba CX32F60

May 2001

31 Es 1720 KOB 4 NMAlbuquerque 1024 1725 WDSU 6 LA New Orleans 682 1825 PBS ? 2 FL ??? ???

I waited all winter for some good DX and am so happy it finally came.

Mike Cherry, VE7SKA, 362 Sky Valley Rd., Salt Spring Island, B.C. Canada

July 2001 UTC 17 Es 0028 KSWK 3 KS 140° 18 Es 0030 KNOP 2 NE 125° 0038 KMTV 3 NE 130° 19 Es 0000 KRON 4 CA 175° 0025 KCRA 3 CA 175° 0211 KTVS 3 CO 135° 0229 KTWO 2 WY 135°

Eric Bueneman (N0UIH), 631 Coachway

Lane, Hazelwood, MO 63042-1347

Phone: (314) 839-9751 (prepaid only!) E-mail:

N0UIHEric@aol.com

Web site: http://www.qsl.net/n0uih/

Equipment: Alaron 12-inch (30 cm) black and 28/40" 230/370 white TV, Radio Shack VU-210XR with RS 0234 KYOU 15 IA Ottumwa "Fox 15" 185/298 Archerotor at 28 feet (8 m) above ground 0637 Kansas City 19, 29, 41, 50 (w/W50CH) level.

All times CDT, all distances in miles/kilometers.

July 2, 2001 (trop)

1110 Evansville, IN 7, 14 (Grade B), 25, 44

165/266

1217 WSIL 3 IL Harrisburg (Grade B) 130/209

<u>July 21, 2001</u> (E-skip)

2055 KTVK 3 AZ Phoenix 1255/2020

July 31, 2001 (trop)

0551 WOTV 41 MI Battle Creek "ABC 41" 365/587

0555 South Bend 16, 22, 34, 46 (u/WHSL) 300/483

0559 WSJV 28 IN Elkhart 305/491

0601 WTLJ 54 MI Muskegon 375/604

0603 KFVS 12 MO Cape Girardeau (Grade B) 115/184

0632 Chicago, IL 26, 32, 38 255/410

0644 WPTA 21 IN Fort Wayne 320/515

0647 W39BH 39 IL Champaign (America's Store) 150/240

0701 WCFN 49 IL Springfield (thru K49FC)

80/128

August 1, 2001 (trop)

0500 Chicago 7, 9 (u/KETC), 32, 38, 44

255/410

0530 WEHS 60 IL Aurora 235/378

0531 WGBO 66 IL Joliet 225/362

0532 WPWR 50 IN Gary (w/W50CH) 250/402

0533 South Bend 16, 22, 46 (u/WHSL)

300/483

0534 WSJV 28 IN Elkhart 305/491

0759 WNIT 34 IN South Bend 300/483

0800 WCIU 26 IL Chicago 255/410

August 3, 2001 (trop)

0958 KYTV 3 MO Springfield "KY-3" 190/306

1005 WHA 21 WI Madison (o/KOZK) 300/483

1006 WCIU 26 IL Chicago 255/410

1007 WMTV 15 WI Madison "NBC 15"

300/483

1019 WKOW 27 WI Madison (WCCU nulled)

300/483

1025 WTVO 17 IL Rockford (WAND/KMIZ

nulled) 250/402

1030 WCPX 38 IL Chicago 255/410

August 4, 2001 (trop)

0130 Madison, WI 15, 27, 47 300/483

0147 WCIU 26 IL Chicago 255/410

0230 KFXA 28 IA Cedar Rapids "Fox

225/362

0640 KWWL 7 IA Waterloo 270/435

0701 Chicago 26, 32, 38 255/410

0704 KSNT 27 KS Topeka 285/459

0705 WFIE 14 IN Evansville 165/266

0707 WHA 21 WI Madison 300/483

0708 WQAD 8 IL Moline (o/WSIU) 190/306

0720 KYTV 3 MO Springfield 190/306 0721 KSNF 16 MO Joplin 250/402 0749 Peoria, IL 19, 25 (Grade B), 31 (clean separation from KDNL-DT), 47 140/225 0750 WSNS 44 IL Chicago 255/410 0754 WLS 7 IL Chicago 255/410	channels common to both markets; 21 and 27. The only station missing from the Madison openings this time was WISC-3. I can see it now: "Doug Smith floored! Tape at nine!" (hi!) 73 and good DX from Eric (N0UIH)
0754 WES 7 IE Chicago 255/410 0755 WFYI 20 IN Indianapolis (WICS nulled) 240/386 0758 WTTK 29 IN Kokomo (//WTTV-4)	Jeff Kruszka , 5024 S. Braxton Ave., Baton Rouge, LA 70817
255/410	July 2001 CT
0810 WNIT 34 IN South Bend 300/483	6 Es 2102 unids 3 brief
A	7 Es 1535 KTVK 3 AZ 1245
August 5, 2001 (trop)	1704 WTKR 3 VA 960
0410 WKOW 27 WI Madison 300/483	8 Es 1059 WTAE 4 PA 930
0414 KSPR 33 MO Springfield 190/306	1118 WEWS 5 OH 925
0542 KFPX 39 IA Newton 245/394	1129 <u>WSYX</u> <u>6</u> OH 800
0758 WKOW 27 WI Madison 300/483	1218 WITI 6 WI 885
0759 KCWE 29 MO Kansas City "More TV	1230 WFRV 5 WI ID 985
29" 225/362	KGAN 2 IA floater 795
0802 KCPT 19 MO Kansas City 225/362	9 Es 1959 WBKPt 5 MI
0803 KOZK 21 MO Springfield (w/WHA)	2028 WNEM 5 MI ID 990
190/306	2044 WTOM 4 MI "7 & 4" 1110
0803 WHA 21 WI Madison (w/KOZK) 300/483	2047 WCMLt 6 MI
0805 KDEB 27 MO Springfield (WKOW	2102 unid 5 CBC news
nulled) 190/306	2211 KPRYt 4 SD
0806 KSPR 33 MO Springfield 190/306	2234 KGWN 5 WY ID 1045
0807 KYTV 3 MO Springfield 190/306	11 tr 0707 Austin U's 395
0815 KMOS 6 MO Sedalia 155/249	0711 KYLE 28 TX 310
0825 KMCI 38 KS Lawrence 255/410	0715 unid 64 w/ anime cartoon
0843 Peoria, IL 19, 25 (Grade B), 47	KGBS-LP 65 TX
(o/WMSN), 59 140/225	SS music videos 395
0844 WIPX 63 IN Bloomington 210/338	0728 unid 68 audio only
0845 WCLJ 42 IN Bloomington 210/338	Es 1957 KDUH 4 NE
0846 WHMB 40 IN Indianapolis (o/K40FF)	"KDUH territory online" 1050
240/386	12 tr 0701 Austin U's 395
0847 WLKY 32 KY Louisville 250/402	13 Es1811 KSWK 3 KS "Smoky Hills
0848 Urbana, IL 12, 27 155/249	PTV" 760
0849 WDRB 41 KY Louisville 250/402	1813 KTVS 3 CO 945
0850 WKZT 23 KY Elizabethtown 260/418	1832 KLBY 4 CO 845
0851 WFYI 20 IN Indianapolis (w/WICS) 240/386	14 Es1006 WPSX 3 PA calls lower right 975
0852 WLFI 18 IN Lafayette (audio o/K18BT)	1030 WTMJ 4 WI logo 885
225/362	1030 WTNIS 4 WT logo 685
0900 WBNA 21 KY Louisville 250/402	1040 WTVR 6 VA 920
0902 Terre Haute, IN 10, 38 170/274	1107 WTTG 5 DC 985
0905 WXIN 59 IN Indianapolis 240/386	1111 WCYB 5 TN ID, local nx 665
0906 WTIU 30 IN Bloomington (u/KDNL)	1230 WTAE 4 PA logo 930
210/338	1239 KGWN 5 WYID 1045
0914 WKGB 53 KY Bowling Green 220/354	1259 WSYX 6 OH 800
0314 WKOB 33 KT Bowling Green 220/334	1300 CIII 6 ON 1230
Before this year, I had not received KTVK-3	
Phoenix, AZ. This year, I've logged them	
several times! The stretch in August was	
probably one of the more wide-ranging trop	
openings in recent memory, with openings	
stretching in one instance from eastern KS to	· · · · · · · · · · · · · · · · · · ·
northern IN, and in another instance from	
eastern KS to the Louisville, KY area. My big	
surprise was getting Springfield, MO and	1823 KTVS 3 CO "UPN 20" ID
Madison, WI at the same time on two	

1826 KCNC	4	CO local spo	rts	21 Es1500 KDBC 4 TX 910
			1010	27 Es1850 WTKR 3 VA 960
1831 KGWN	5	WY	1045	1958 KIVV 5 SD 1180
15 Es1700 KTVS	3	CO UPN 20	945	2001 KPRY 4 SD tornado
				warnings 1080
1808 KOAA	5	CO	940	28 Es0959 KLNE 3 NE 860
16 Es1733 <u>XHGV</u>	<u>4</u>	VE "TV Mas	" ID	
			920	
17 Es1927 unids 3	, 4	SS		Thanks to Fernando for help identifying the 65
20 Es1819 KTVS	3	CO	945	in Austin, and to Danny O. for his Mexican
				ID's webpage for "TV Mas."
1829 KDUH	4	NE	1050	

ASK WTFDA

Q. I'd like to know if the antennas Radio Shack sells are as good as those made by Channel Master or Winegard.

A. I don't know how anyone can compare Winegard or Channel Master antennas to Radio Shack. I've been in the antenna business for almost 18 years and I've tried a lot of brands including Antennacraft/Radio Shack.

If you live in any kind of high wind or icing area you can figure on a 1-2 year life expectancy on a Radio Shack antenna compared to a 15-20 year life with a Winegard, Channel Master, TDP or Cometic.

Radio Shack's design is one of the poorest in regards to phasing designs as well as poor across the band vswr, beamwidths and front-back ratios.

In Western New York we have many challenging installation areas with all the mountains. I can tell you of thousands of times where we have gone into customers' homes with a Radio Shack antenna with complaints of poor signals and we replaced it with a Winegard or Channel Master and saw the peoples' head twist with awe!

As far as pricing goes look at the Winegard Prostar line. Compare the number of elements per inch with Radio Shack's. (PS...Radio Shack counts both sides of the same dipole as 2 elements; this is cheating). Then look at what you're getting for cost. I believe you'll find you get more for your money. With the construction designs and structural quality I think you would be surprised.

If you considering raising the antenna higher you should consider a way to keep the elements locked in place. Around here most Radio Shack antennas either have no rear elements or they are all fold over each other.

About the only antennas I like from Antennacraft (Radio Shack's producer) are the p-7 and p-5 parabolics and a few of the Antennacraft MXU uhf corner reflectors. They also produce the old RCA line from 20 years ago commonly known to our industry as the blue gold line. Also a TDP antenna for some time. These are built to some very rugged standards and we use them along with Winegard for most of our installs. —Rich Wertman

Ed note: Questions for **ASK WTFDA** are taken from the WTFDA list. All answers are the opinions of the individuals involved and not necessarily those of the staff or the board of directors of the WTFDA.





John Zondlo 4009 Driftwood Circle Yukon, OK 73099 Jpzondlo@aol.com Deadline: 10th

For DXers in AL, AZ, AR, CA, CO, DE, DC, FL, GA, HI, KS, KY, LA, MD, MS, MO, NV, NM, NC, OK, SC, TN, TX, UT, VA, WV, Cuba & Mexico

September 2001

Mike Hawk Boulder, CO MDT

Kenwood KT-815 (IF modified) w/6 element yagi indoors

6/21 E	Es			
	KFTG	88.1	TX	Pasadena, rel //90.5 KJIC, in
				car radio
	KKRW	93.7	TX	Houston, ad for "Arrowfest"
	WRBH	88.3	LA	New Orleans, reading of
groce	ry			
				store ads (intended for the
blind)	14/01/14/	00.0		L - Di "Ti - D - ' - (" 00
	WCKW	92.3	LA	LaPlace, "The Point," 80s mx Galliano, "Tix-FM," ad for
1209	WTIX	94.3	LA	"Treasure Fest"
1210	KMBH	88.1	TX	Harlingen, "Classic 88 FM"
_	KKRQ	93.7	AZ	Tucson, ID in car
	KNAU	88.7	ΑZ	Flagstaff, ID
	KAWC	88.9	ΑZ	Yuma, ID
	KOOL	94.5	ΑZ	Phoenix, "Cool 94.5", "ID
	KZGL	95.9	ΑZ	Cottonwood, "The Z," r, ment
				of northern AZ
1740	KLJZ	93.1	ΑZ	Yuma, "Z-93," ID, pop mx
1746	KBZT	94.9	CA	San Diego, "San Diego's
new				-
				radio station"
	KCLB	93.7	CA	Coachella, "The Rock,"
"Rock				
			501	days of summer" promo, ID
1/50	XHMMF	92.3	BCN	IMexicali, ment of Mexicali in
4754	VIIITZ	00.0	DON	local ads
1/51	XHITZ	90.3	BCIN	ITijuana, EE ads, San Diego mentions
1752	KLNV	106.5	$C\Lambda$	San Diego, SS, ment of "en
San	IXLINV	100.5	CA	San Diego, SS, ment or en
Can				Diego"
1755	KXFG	92.9	CA	Temecula, k, "Froggy 92.9"
	KLON	88.1	CA	Long Beach, ID w/a bunch of
				//'s
1805	XHAHC	90.9	СН	Chihuahua, full ID, very
strong]			•
1816	KPFK	90.7	CA	Los Angeles, ID
	XHDIS	93.7	СН	Ciudad Delicias,
1825	XHDCS	94.5	СН	Ciudad Delicias, SS ads

		(Dominos Pizza, cell phone),
EE		,
1835 WBLW 88	.1 MI	r and pop mx Gaylord, ID
2242 KLCO 90.		
2245 KNCU 92	.7 OR	Newport, "U-92," k
6/22 Es		5
2129 WXLK 92. 6/23 Es – MUF 104		Roanoke, Icl ads, "K-92" ID
0801 KKRW 93.		Houston, local ads
0817 KNLE 88.	.1 TX	
0819 KVDT 90.	.7 TX	Austin, South TX Public
Radio 0822 KYOX 94.	.3 TX	Comanche, local ads, ments
of 94.	.5 17	Comanche, local ads, ments
		Comanche, only 672 miles
0831 KBNJ 91.	.7 TX	Corpus Christi, ID, local
phone		number given
0942 XHXL 91.	.7 NL	<u> </u>
0942 XHVLN 90.		Villagran, R. Tamaulipas ID
		//XEERO
0951 XHQC 93		Saltillo, "Estereo Saltillo"
1438 XHXL 91. SS	.7 NL	Monterrey, back, "91X" ID in
1459 XHQC 93.	.5 CL	Saltillo, back again
1500 XHSOC 89.		??, call letters given, ment of
		Coahuila in the ID
1501 XHEC 91.	.9 CL	
		"Sabinas, Coahuila, Mexico 91.9"
1508 XHJD 98.	.9 NL	Monterrey, EE DJ, "D-99,"
web		, ====, ====,
\		page www.d99.com.mx
1525 XHCTO 93. Hits,"	.1 DU	Gomez Palacio, "Estereo
піі,		full ID at 1630
1529 XHTRR 92.	.3 CL	Torreon, "Super 92"
1607 XHFRE 100	0.5 ZA	Fresnillo, full ID, ment of
0/04 5 - 1445 04	_	Zacatecas
6/24 Es – MUF 94. 0938 XHAAA 93.		Reynosa, "Super Estellar"
1330 XHMLS 91.		
1420 WMAU 88.		Bude, ad for MS ETV, NPR
		program
1500 KMBH 88.		Harlingen, "Classic 88"
2000 WTSU 89. Southeastern	.9 AL	Troy, ID as part of
Southeastern		Public Radio network
6/25 Es - MUF 107	<u>7.7</u>	
1400 WWOZ 90.	.7 LA	New Orleans, review of local
Vonuos		bands playing in area
venues 1658 XHSP 99.	.7 NL	Monterrey, "La Invasora"
	6.9 NL	Monterrey, "Classic 106.9" in
EE		-
	7.7 NL	Monterrey, central time
check, t	n 01 7	94.9, 98.9, 101.3, and 106.1
1715 unID 91.		??, SS, "Romance 91.9"
		,,

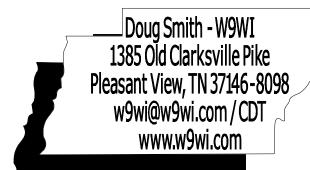
1752 XHOPE 1755 XHMZT ments	89.7 93.1	SI SI	Mazatlan, "Exa" Mazatlan, lcl ads, many		KKMY KETX			Orange, caught end of ID Livingston, k, mono, "Total Radio for east Texas,
1821 unID	91.9	??	of Mazatlan ??, "Estereo 92," SS pop mx, Tamaulipas in on 90.9 at the	1526	KYKR KIOC	95.1 106.1		overmodulated Beaumont, local ads Orange, ad for Twin City
6/27 Es 1250 WRVG 1255 WAXG 1300 WEKU 1304 WYLV	89.9 88.1 88.9 89.1	KY KY KY TN	Mt. Sterling, weak w/AFR ID	1531 1539	KCBI KBHT KKRW KKYS	90.9 93.5 93.7 104.7	TX TX	r Dallas, ID, only 670 miles Crockett, "The Mix 93.5" Houston, "Arrow" Bryan, "La Familia Mexican
1304 WASJ "Love89"//WYL 1305 WMYU	88.3 _V 93.1	TN TN	Maynardsville, Karns, "Oldies 93.1"	ads 1548	KQQK	106.5	TX	Restaurant" ad, other local Galveston, SS, ID
1322 WAYM 1330 WNAZ sponsors	88.7 89.1		Columbia, "Way FM" Nashville, mention of		KOVA			Rosenberg, SS, ads for merchants
40)			(Jolly Cyclist, exit 221A on I-		KJIC KACC	90.5 89.7		Santa Fe, ID Alvin, ID at tune in
1332 WYFK 1337 WIOL	89.5 92.7	GA AL	Columbus, caught end of ID Eufaula, "Classic Rock 92.7," ad for Gilland Auto Mall,		KBDE	89.9		Temple, mentions of Waco Moody, phone # given
Jewelers			Memory Lane, Loves and other local stores		KKBQ KJOJ	92.9 103.3		Pasadena, "The new 93-Q" Freeport, o, "98.5 Houston's jammin' hits"
1341 WAAC 1350 WMGB	92.9 93.7		Valdosta, "C-93," k Jeffersonville, "Today's hit		KRVS WMJY	88.7 93.7		Lafayette, ID Biloxi, my notes are a little
1354 WPCH Rock,	94.9	GA	music, B-93.7" Atlanta, "Continuous Lite	93.7"				confusing, either "Magic or "Imagine 93.7," have to
1358 WBHM	90.3	AL	Peach 94.9" Birmingham, ID	checl	<			the tape
1400 WAPR	88.3	AL	Selma, ID	1644	WAOY	91.7	MS	Gulfport, "The Mississippi
1401 WRWA 1403 WFMQ Ocala	88.7 92.7	AL FL	Dothan, ID//WTSU Ocala, "Q-92.9," ment of					Connection," mentions of Jackson school fundraiser// some Jackson station
1406 WJSP	88.1	GΑ	Warm Springs, GA Public		KOOI			Jacksonville, local ads
1425 WPPT Beach,	94.5	FL	Radio Parker, ads for Mexico					Clinton, ad for Pax 17, WLFT Galliano, listed as WTIX but really sounded like WKLS
1430 WMBU	89.1	MS	"Pirate Radio" Forest, Moody Bible programming, local town		KUST KNUE			(96.1 Atlanta GA-jz) Huntsville, "K-Star Country" Tyler, local ad and ID
1435 WRBA 1441 KQID mx	95.9 93.1		Panama City, r, "Arrow 95.9" Alexandria, "Q-93," Top 40		KTHP WKZN	103.9 105.3		Hemphill, ID Slidell, ad for "Bohn Brothers Toyota" and ment of Marrero
1443 WQCK	92.7	LA	Clinton, "Positive Hits 92.7,		KJAS	107.3		Jasper, ID
1446 KOOJ phone	93.7	LA	The Bridge" New Iberia, "Oldies 93.7,"		KLJT KKGB	102.3 101.3		Jacksonville, ID, CCM Sulphur, "The Rock" and
1446 KFAD	03.0	ΙΔ	# 499-0937 Alexandria, "Magic 94"	1712	KWYX	102.7	ΤΥ	Gulf Coast Rock," classic r Jasper, ads
1450 WYNK			Baton Rouge, "Today's best country," traffic rpt for I-12		KTND			Georgetown, Henna
1455 KZLG	95.9	LA	westbound Monsura, "Z-95.9," DJ Jeff	1722	KHPT	106.9	TX	ad, ID caught @ 1833 Conroe, local ads
music"	00.0	TV	O'Brien, "Today's best	1725 Mars	KISK hall			Whitehouse, ment of
1455 KCUL	92.3	1.	Marshall, "Pure gold Oldies 92.3"		KUSJ	105.5	TX	in ads, "Mix 107.3" Harker Heights, wx, "US-
1457 KLDN the	88.9	TX	Lufkin, ment of an event at Park Center bldg in Lufkin		KSCS KLUV			Fort Worth, ID, traffic Dallas, o
1459 KWSP	90.9		Lufkin, ID	1746	KVIL	103.7	TX	Highland Park, ID, jingle
1500 KAVX 1502 KVVP ment	91.9 105.7		Lufkin Leesville, "The Big Dog,"	1750	KXCS KTTX KSTV		TX	Cameron, "The X" Brenham, k, "K-Tex 106" Dublin, ads for Stephenville,
1506 KIKT	93.5	TX	of Leesville Greenville, "T-93.5	1757	KJEF		LA	"The Mighty 93" Jennings, ads for Custom
Greenville" 1510 KWRW type	97.7	TX	Rusk, "The Corner" tradio-	Build Lake				Transmissions and other
1513 KBTT	102 7	ΙΛ	show Haugton "The Reat" Top 40	1750	KETR	88 0	T∨	Charles merchants Commerce, "The New Lion"
1513 KBTT 1515 KOOI wx			Haugton, "The Beat," Top 40 Jacksonville, "Sunny 106.5,"	1800	KDAQ		LA	Shreveport, Red River Radio Network
1519 KUEZ 99.3"	99.3	TX	info for Cass county Lufkin, "Good Time Oldies	KML\	KMLV /" KSTB			Madisonville, "Star 100.5 Crystal Beach, "Star 101.5"
00.0			2	,510		.01.0		2.,0ta. 2000ii, Otal 101.0

1815 KTBZ	94.5		Houston, "The Buzz"	0404	0.1.15	00 7	50	Hermiston, KQFM"
1816 KLTY 1824 KLBQ	94.9 98.7		Arlington, ID El Dorado, wx, "Q-99"	2131	CJJR	93.7	BC	Vancouver, k, "JR-FM, new country 93.7"
1830 KTSU	90.9	TX	Houston, "The Choice"	2144	CFOXt	99.3	ВС	Vancouver, "99.3 (fade) new
1841 KBCT 1842 KNFM	94.5 92.3		Waco, smooth j Midland, may have been a	Celsi	us			rock, " later heard with
Ms Odessa			burst on top of the Es,	2148 is	CBC??	92.1	вс	temps Victoria, CBC programming,
Odeood			ad	10				this the old CBU-FM?
1850 KNRG KNRG"	92.3	TX	New Ulm, ID, "KULM,	2152	KHNC	89.5	WA	Seattle, hard to discern ID sounded like "Seattle C89.5"
1859 KVRT	90.7	TX	Victoria, South Texas Public Radio		CKNW KMCWt	90.5 88.3		Vancouver Moses Lake, wx for Spokane
1925 KROM 1927 KMXR	92.9 93.9		San Antonio, SS Corpus Christi, "Oldies 93.9"		KCWU	88.1		and Coeur D'Alene" Ellensburg, ID
1946 KVTI	90.9		Tacoma, ment of Clover	2200	KCSH	88.9		Ellensburg, ment of kcsh.org
Park			College "LO4 FM"	2201	KSER	90.7	WA	Everett, lots of talk about
1950 KATS	94.5	WA	College, "I-91 FM" Yakima, r, ID	6/27	Ms			Snohomish county
2000 KFAE	89.1	WA	Richland	2328	KICM	93.7	OK	Healdton, caught "KIC" by
2001 KPLZ	101.5	WA	Seattle, "Star 101.5," "race	DJ c/oo	C- /NALIC /	107.0\		
for			cash" promo		Es (MUF ' WYSF		ΔΙ	Birmingham, Neil Bonnet
2003 KNDD	107.7	WA	Seattle, "The End," r	Hono		34.5	ΛL	Birmingham, Neir Bonnet
2007 KRWM			Bremerton, light AC mx,					ad
			couldn't read rest of my		WDJC			Birmingham, ID
notes 2008 KDUX	104 7	WA	Aberdeen, very weak ID	100"	W W W Q	100.5	GA	College Park, "Hot Hits Q-
2011 KEGX			Richland, classic r, "Eagle	.00				and "the new Q-100"
0040 1/01/0	400.4		106.5"		WZHT	105.7		
2012 KBKS 2014 KORD			Seattle, "Kiss 106.1" Richland, k, sounded	0730	KTMO	106.5	MO	New Madrid, ads mentioning Cape Girardeau regional
2014 RORD	102.7	**/	syndicated but took a phone					Airport
			call and answered "KORD"		WZZK	104.7		
2015 KXDD 2016 KMTT			Yakima, k, "KX Double D" Tacoma, "The Mountain"	0732	WODL	106.9	AL	Birmingham, "Oldies 106.9," Central Time Zone time
2018 KZZM			Weston, SS, ID	chec	k			Central Time Zone time
2020 KHHK	99.7	WA	Yakima, R&B, notes illegible	0737	WKDF	103.3	TN	Nashville, wx, "Music City
2022 KEYW			Pasco, "The Key"	103"	WSKZ	106 E	TNI	Chattanaga "K7 106" "The
2024 KXRX 2025 KYSN	97.1 97.7		Walla Walla, "97 the Rock" East Wenatchee, "Kissin'					Chattanooga, "KZ-106," "The Big Show"
2026 KRCW	96.3	۱۸/۸	Country KYSN" Royal City, SS, mariachi mx		KDEX unID			Dexter, strong, clear ID ??, "Kick Country weather"
2027 CFCP	98.9		Courteney, AC, "Magic"		WKHXt			Atlanta, "Kick 101.5," k
2031 KLYN	106.5	WA	Lynden, strong, rel		WTRZ	103.9		McMinnville, ads for
2035 KEYG	98.5	WA	Grand Coulee, o on top of	Nicos				McMinnville and Roberts
local			KYGO, CL's not heard but	Nissa	a 11			in Manchester
			Talk	0750	WKZP	107.3	TN	Spencer, ad for Supreme
2037 KBTB 2039 KISM	95.7 92.9		Seattle, phone #, "The Beat" Bellingham, ID	WOO	DD)			Building Products (474-
2040 CKWV	102.3	BC	Nanaimo, ad for Merit		140444	00.0	107	In McMinnville
Furniture			in Nanaimo	0755	WWKF	99.3	KY	Fulton, "KF-99," mentions of Union City TN
2042 KKRV		WA	Wenatchee, local ads, ID	0756	WFTZ	101.5	TN	Manchester, ad for Roberts
2050 KLER	95.3	ID	Orofino, ID in car (trying to	hovo				Nissan again, they must
get			RDS info)	have				\$\$ to burn
2054 KATW	101.5		Lewiston, "Cat FM"		WFGE	103.7		Murray, "Froggy 103"
2058 KGER	95.9	WA	Quincy, network ID//a bunch		WPLN	90.3	TN	Nashville, presumed w/talk
of			stations	of				opportunities at Vanderbilt
2058 KULE	92.3	WA	Ephreta, local ads					Research
2058 KTAC	93.9	WA	Ephreta, end of "Back to the		KOKS	89.5		Poplar Bluff, ID
2059 CKXWt	91.3	BC	Bible" Victoria, ad for singles	0802	KBDZ	93.1	MO	Perryville, local nx, including something on the St.
network	01.0	20	violona, da foi omigioo	Gene	evieve			oomouning on the Ct.
0400 1411014	0.4.0		in Victoria w/a ".ca" URL	0004	14/8/41/7	00.4	107	board
2100 KUOW	94.9	WA	Seattle, end of NPR program at :00	0804 93"	WMKZ	93.1	KY	Monticello, ID, jingle, k, "Z-
2101 KPLW	89.9	WA	Wenatchee, r, info on local	0807	WHOP	98.7	KY	Hopkinsville, "Cat Country
2102 KDRM	94.3	WΑ	religious service Moses Lake, ID, r	(Kit-				Kat country?)
2105 KKXA	103.3	WA	Wilson Creek, o, "KXA"		WMSK	95.3	KY	Morganfield, ad for
2114 KRSE			Yakima, "K-105.7 Soft Rock"	Morg	anfield			Doing Ourses
2124 CFEX 2126 KARY			Victoria, "Extreme 107.3" Grandview, "Oldies 100.9	0815	WXRZ	94.3	MS	Dairy Queen Corinth, Tishomingo County
			Cherry FM"					casino vote ad
2127 KQFM	100.5	OR	Hermiston, ID, "The Pride of	0817	KSAR	92.3	МО	Thayer, ads for Highland and
			2					

			Mountain View, "Hometown	1024	WMMM	105.5	WI	Verona, local t mentioning
0819 KOMG	92.9	МО	Radio KSAR" Ozark, local ads (Springfield)		WXSS	103.7		Waterloo and Deerfield Wauwatosa, "Kiss," Top 40/
0820 WWMG 0823 WTBG	93.1 95.3		Alamo, "Good News 93.1" Brownsville, ad for Banks	1026	WZEE	104.1	WI	r&b mx Madison, Don Miller Auto in
Shop"			Railroad Furniture, "Swap	1028	WMIL	106.1	۱۸/۱	Madison, "Z-104" Waukesha, "FM 106,"
Эпор			Show" giving an address in	ment		100.1	V V I	
0827 KKLR	94.5	MΟ	Brownsville (303 Poplar) Poplar Bluff, "Best Country,	1030	unID	106.5	22	of Summerfest, k ??, "The new KNR 106.5"
			Clear 94"		WBFX	101.3		Grand Rapids, "The Fox,"
0831 KSPQ 2322,	93.9	МО	West Plains, phone 256-	1033	WRCO	100.9	WI	classic r Richland Center, ID
2022,			"Wake up therapy" morning		WLXV	96.7	MI	Cadillac, "Lite 96 FM," had to
0840 WJXAt	92.9	TN	show Nashville, "Lite Rock at work,					hear it multiple times to convince myself it wasn't
0850 KRMS	93.5	МО	Mix 92.9" Osage Beach, ID	1037	WLXT	96.3	MI	"Lake 96" Petoskey, //WLXV
0858 WKUE	90.9		Elizabethtown, "Western's public radio"		WKLT	97.5	MI	Kalkaska, "Northern MI's quality rocker, double rock
0900 WUSI 0901 WUKY	90.3 91.3	IL KV	Olney, ID WSIU/WUSI	KLT"	WKCZ	98.9	N/I	Potoskov ad for Walverine
0907 KWMU	90.7		Lexington, ID St. Louis, NPR, ID	1044	VVNCZ	90.9	MI	Petoskey, ad for Wolverine Lumberjack Festival on the
0909 WFPK	91.9		Louisville, ID, ment of show	4050	WI VD	4040	14/1	Sturgeon River
0911 WSEI	92.9	IL	at "Stevie Ray's" Olney, heard announcer say	the	WLXR	104.9	VVI	LaCrosse, ads, mention of
0047 WIZLID	00.0	N A I	"here in Olney"	405"				LaCrosse Tribune, "Magic
0917 WKHB	89.9	MI	Traverse City, ment of "mid- morning music break on	105"				wx
WLJN" 0924 KGRC	92.9	МО	Hannihal ada far Quinav II		WPCK PKR,"	104.9	WI	Kaukana, end of ID WPCK is //WPKR
0924 NGRC	92.9	IVIO	Hannibal, ads for Quincy IL stores		KYBA	105.3	MN	Rochester, ment of
0924 WQKC ad	92.9	IN	Seymour, ments of Seymour,	Roch	ester,			"Soft rock Y-105," 700 miles
au			for TNT Computers, ID later	1054	WRVM	102.7	WI	Suring, rel, ment of NE WI
in			hour	1056	WMKC	102.9	MI	St. Ignace, ad for a casino in St. Ignace, ID
0925 WBYB	94.3	MI	Leland, "northern Michigan's		KUWS		WI	Superior, WI Public Radio
0937 WIHN	96.7	IL	B," k Normal, phone #452-9696		WEMI WHDI	91.9 91.9	WI	Appleton, ID w/WHDI Sister Bay, "Ideas 91.9,"
given			·	mono)			•
0939 WCJC Country,	99.3	IN	Van Buren, "The Best		W215AO WHND	90.9 89.7	WI WI	•
•	07.7	I۸	WCJC"		CFNO	93.1		Marathon, ID only
0940 KOTMp	97.7	IA	Ottumwa, ads for Oskaloosa stores	1109	WDOR	93.9	WI	Sturgeon Bay, ID, ad for Sturgeon Bay Pick and Save
0941 WSHW 0941 WWKI	99.7 100.5		Frankfurt, "Shine 99" Kokomo, ID, jingle, k	1110	WRJO	94.5	WI	Eagle River, "W/WRJO news time is"
0942 WBZM	107.7		Fairbury, "Bloomington-		WJNR	101.5		Iron Mountain
Normal's			107.7"	1120	WLSL	93.7	WI	Three Lakes, "B-93," ment of Eagle River
0944 KCQQ	106.5	IA	Davenport, "The Q, every	1127	WJPD	92.3	MI	Ishpeming, ID, Upper
0946 WRKR	107.7	MI	song's a classic hit" Portage, r, ID as "RKR"	1137	WRHN	100.1	WI	Peninsula wx Rhinelander, "Hits 100 FM"
0950 WXKE	103.9		Fort Wayne, "Rock 104,"		WKEB		WI	Medford, ad for Lundy
also			heard "XKE," w/WRBR					Electronics in Medford on Hwy 13 North
0950 WRBR	103.9	IN	South Bend, "The Bear,"	1144	CJXX	93.1	AB	Grande Prairie, ads, "Big
ment			of South Bend, w/WXKE	1148	CHFA-5	90.5	AB	Country XX FM," k Grande Prairie, presumed
0952 WZZT WZZT"	102.7	IL	Morrison, "Oldies 102.7	1150	CKUA-4	100.0	ΔR	w/FF Grande Prairie, //other
0956 WQLR	106.5		Kalamazoo, ads	CKU	۹'s			·
0959 WNIJ 0959 WKAR	89.5 90.5	IL MI	DeKalb, ID East Lansing, ID, mention of		CKUA-6 CIBC		AB AB	Red Deer, //other CKUA's Drayton Valley, ment of long
			870 AM	1102	OIDO	02.0	7.0	weekend for Canada Day
1001 WDCB	90.9	IL	Glen Ellyn, mention of a DuPage community school,					celebration, ad for a store in Drayton Valley
ID					CIZZ	98.9	AB	Red Deer, "Zed FM"
1001 WVIK wx	90.3	IL	Rock Island, caught end of	115 <i>/</i> 5," k	CKGY	95.5	AB	Red Deer, "KG Country 95-
	00.4	INI	and ID while tuning by	1159	CITI	92.9	MB	Winnipeg, ad for Red River
1002 WBNI	89.1	IN	Fort Wayne, local gay and lesbian events listed	1200	CKUA-13	91.3	AB	Ex, ment of Manitoba Drumheller
1002 WONC 1003 WSKL	89.1 92.9	IL IN	Naperville, w/WBNI, ID		CBX CFGP	90.9 97.7	AB AB	
1007 WKMQ	96.7	IL	Veedersburg, "Cool 92.9" Loves Park, "Oldies 96.7"					phone # 539-9797
1015 WMUS 1022 WSNX	106.9 104.5		Muskegon, k, ""107 MUS" Muskegon, MI Lottery ad, ID	1211	CKUA	94.9	AB	Edmonton, // other CKUA's w/Alberta nx
			Hart, wx, ads, ID	1214	CKRA	96.3	ΑВ	Edmonton, "Mix 96"
1023 WCXT	105.3	IVII	riart, wx, ado, ib	1217	011101	00.0		,

404E CION	100.0	۸۵	Edmonton "Kinnin Country."
1215 CISN k	103.9	AB	Edmonton, "Kissin Country,"
1222 CKUA-1 1225 CJAY	93.7 92.1	AB AB	Calgary, //other CKUA's Calgary, "CJ-92," local stn off air
1227 CFMG 104.9"	104.9	AB	Edmonton, "Easy Rock
1259 WDYN 1310 WFBC	89.7 93.7	TN SC	Chattanooga, ID Greenville, ad for USCS,
1345 WCVK	90.7	KY	"B-93.7" Bowling Green, Christian
1352 WVLK "Kentucky's	92.9	KY	Family Radio, ID Lexington, "K-93,"
1359 WEKU	88.9	KY	best country" Richmond, ID
1400 WRVG	89.9	KY	•
1410 WDGG	93.7	KY	Ashland, local promo, "The
Dog" 1435 WRJA	88.1	SC	Sumter, SC Educational
Radio			
<u>6/29 Es</u> 1654 WBRH	90.3	LA	Baton Rouge, "Smooth Jazz
1655 KOOJ	93.7	LA	90.3" New Iberia, o, phone 800-
4050 KDV0	00.7		644-0937
1659 KRVS 1725 KTSU	88.7 90.9	LA TX	Lafayette, ID Houston, j, ID
1725 KTSO 1735 KKRW	93.7	TX	Houston, "Arrowfest" promo
1736 KKBQ	92.9	TX	Pasadena, traffic, "93-Q"
6/30 Ms	00		r doddona, name, ee g
1300 KWGS	89.5	OK	Tulsa, "next on KWG"
6/30 Es (MUF			Outrant ID mant of
1220 WAOY Summer	91.7	IVI5	Gulfport, ID, ment of
Center			Jam 2001 at the Mitchell
1225 WMJY	93.7	MS	Biloxi, promo for event at the
1227 WBLX	92.9	AL	Singing River Mall Mobile, "93-BLX"
1230 WQLQ	92.3		Rayville, "Q-92"
1231 KSBH	94.9	LA	Coushatta, k, ads mentioning
120E 12E0 E		4- 00	Ruston
1325-1350 Es 2020 KRMC	91.7	to 92 AZ	
3E1E			
2028 XHMTO of	92.3	TM	Matamoros, SS, many ments
			Tamaulipas
2040 unID 2050 XHCAO	91.3 89.1	?? TM	??, SS, "Voz FM" Reynosa, baseball, Reynosa
	00.1	1 171	Bronchos vs ??, ad for
"Carta			Blanca, el sabor del norte"
<u>7/2 Tr</u>			
0740 KQSK Country"	97.5	NE	Chadran "Daubla O
		INL	Chadron, "Double Q
0750 KSDZ	95.5	NE	•
	95.5		Gordon, "The best little
0750 KSDZ	95.5 90.3	NE	Gordon, "The best little in the nation," k Bassett, NE Public Radio
0750 KSDZ station 0820 KMNE	90.3	NE NE	Gordon, "The best little in the nation," k Bassett, NE Public Radio Network, 346 miles
0750 KSDZ station 0820 KMNE 0832 KAAQ new!	90.3 105.9	NE NE NE	Gordon, "The best little in the nation," k Bassett, NE Public Radio Network, 346 miles Alliance, ID in Denver null,
0750 KSDZ station 0820 KMNE 0832 KAAQ	90.3	NE NE NE	Gordon, "The best little in the nation," k Bassett, NE Public Radio Network, 346 miles
0750 KSDZ station 0820 KMNE 0832 KAAQ new! 0855 KVCX 7/3 Tr 0817 KROR	90.3 105.9	NE NE NE SD	Gordon, "The best little in the nation," k Bassett, NE Public Radio Network, 346 miles Alliance, ID in Denver null,
0750 KSDZ station 0820 KMNE 0832 KAAQ new! 0855 KVCX 7/3 Tr 0817 KROR and	90.3 105.9 101.5	NE NE NE SD	Gordon, "The best little in the nation," k Bassett, NE Public Radio Network, 346 miles Alliance, ID in Denver null, Gregory, rel
0750 KSDZ station 0820 KMNE 0832 KAAQ new! 0855 KVCX 7/3 Tr 0817 KROR	90.3 105.9 101.5	NE NE SD NE	Gordon, "The best little in the nation," k Bassett, NE Public Radio Network, 346 miles Alliance, ID in Denver null, Gregory, rel Hastings, strong, Ogallala North Platte also elevated Topeka, "Twister 106.9," 505
0750 KSDZ station 0820 KMNE 0832 KAAQ new! 0855 KVCX 7/3 Tr 0817 KROR and	90.3 105.9 101.5 101.5	NE NE SD NE	Gordon, "The best little in the nation," k Bassett, NE Public Radio Network, 346 miles Alliance, ID in Denver null, Gregory, rel Hastings, strong, Ogallala North Platte also elevated
0750 KSDZ station 0820 KMNE 0832 KAAQ new! 0855 KVCX 7/3 Tr 0817 KROR and 7/4 Tr 0707 KTPK 0812 KSYZ 0839 KHCD	90.3 105.9 101.5 101.5	NE NE SD NE KS NE	Gordon, "The best little in the nation," k Bassett, NE Public Radio Network, 346 miles Alliance, ID in Denver null, Gregory, rel Hastings, strong, Ogallala North Platte also elevated Topeka, "Twister 106.9," 505 miles
0750 KSDZ station 0820 KMNE 0832 KAAQ new! 0855 KVCX 7/3 Tr 0817 KROR and 7/4 Tr 0707 KTPK 0812 KSYZ	90.3 105.9 101.5 101.5 106.9 107.7	NE NE SD NE KS NE	Gordon, "The best little in the nation," k Bassett, NE Public Radio Network, 346 miles Alliance, ID in Denver null, Gregory, rel Hastings, strong, Ogallala North Platte also elevated Topeka, "Twister 106.9," 505 miles Grand Island Salina, Radio Kansas ID,
0750 KSDZ station 0820 KMNE 0832 KAAQ new! 0855 KVCX 7/3 Tr 0817 KROR and 7/4 Tr 0707 KTPK 0812 KSYZ 0839 KHCD RDS	90.3 105.9 101.5 101.5 106.9 107.7 89.5	NE NE SD NE KS NE KS	Gordon, "The best little in the nation," k Bassett, NE Public Radio Network, 346 miles Alliance, ID in Denver null, Gregory, rel Hastings, strong, Ogallala North Platte also elevated Topeka, "Twister 106.9," 505 miles Grand Island Salina, Radio Kansas ID, "KHCD," PI=22B3
0750 KSDZ station 0820 KMNE 0832 KAAQ new! 0855 KVCX 7/3 Tr 0817 KROR and 7/4 Tr 0707 KTPK 0812 KSYZ 0839 KHCD	90.3 105.9 101.5 101.5 106.9 107.7	NE NE SD NE KS NE	Gordon, "The best little in the nation," k Bassett, NE Public Radio Network, 346 miles Alliance, ID in Denver null, Gregory, rel Hastings, strong, Ogallala North Platte also elevated Topeka, "Twister 106.9," 505 miles Grand Island Salina, Radio Kansas ID,
0750 KSDZ station 0820 KMNE 0832 KAAQ new! 0855 KVCX 7/3 Tr 0817 KROR and 7/4 Tr 0707 KTPK 0812 KSYZ 0839 KHCD RDS 0900 KRVN	90.3 105.9 101.5 101.5 106.9 107.7 89.5	NE NE SD NE KS NE KS NE CO	Gordon, "The best little in the nation," k Bassett, NE Public Radio Network, 346 miles Alliance, ID in Denver null, Gregory, rel Hastings, strong, Ogallala North Platte also elevated Topeka, "Twister 106.9," 505 miles Grand Island Salina, Radio Kansas ID, "KHCD," PI=22B3 Lexington, ID, CNN Radio nx

			Light(?),"
0920 <u>KYEZ</u>	93.7	KS	Salina, k, "KY-94"
7/7 Ms			
0752 WMC	99.7	TN	Memphis, "Attention
Memphis,"			proviously by Es
7/7/Tr			previously by Es
<u>7/7/Tr</u> 0900 KLDG	102.7	Kς	Liberal, "The Legend"
7/7 Es (MUF 10		110	Liberal, The Legend
0937 WVAS	90.7	AL	Montgomery, RDS ID
1004 KKRWt	93.7	TX	Houston, ads for Houston
area			
			merchants, would be a relog
			many SS unIDs to 98 Mhz
1916 KALP	92.7	TX	
1920 KOOL	94.5	ΑZ	·
miles			PI=366F, only about 525
1923 KKFR	92.3	ΑZ	Glendale, "Power 92"
1925 KBAQ	89.5	ΑZ	· · · · · · · ·
			PI=12B4
1926 KNAI	88.3	ΑZ	Phoenix, SS, "La
Campesina"			
1927 KLJZ	93.1		Yuma, ID, "Z-93"
1940 KCFY	88.1	ΑZ	Yuma, ID during pause in rel
1941 KYRM	91.9	ΑZ	pgm Yuma, RDS "KYRM,"
PI=5126	91.9	AZ	Tullia, NDS KTKIVI,
2004 XHGON	92.9	SO	Ciudad Obregon, numerous
			"La Caliente" mentions and
ID			
			jingle
2019 KIOK	94.9	WA	Richland, RDS "KIOK,"
PI=2696	00.0	١٨/٨	Tarana ID DDC "LOAFM"
2021 KVTI	90.9	WA	Tacoma, ID, RDS "I-91FM," PI=496A
2030 KSER	90.7	۱۸/Δ	Everett, Aquasox vs Yakima
bb	50.7	VVA	Everett, Aquasox vs. rakima
2035 KLCC	89.7	OR	Eugene, ID
2044 KQRK	92.3	MT	Ronan, ID, "Super Q"
2235 CJSI	88.9	AB	Calgary, "Shine FM"
<u>7/8 Ms</u>			
0630 CBXt	90.9	AB	Edmonton, RDS "CBC R2,"
			PI=CB65, only CBC Radio 2
on			00 0 io CBV would be a
relog			90.9 is CBX, would be a
relog			anyway
			arryway



Technics ST-G50 tuner, big Radio Shack VHF-TV antenna at 15'

 7/6 Tr

 0908 unID
 95.3
 ?? ??, "Fun Oldies, " WFFN-AL?

 7/7 Tr
 1000 WRKA
 103.1 KY
 St. Matthews 149

 7/8 Tr

1000 KUAR	89.1	AR	Little Rock 322					Loma CO on hwy 139 295
1000 KUMR	88.5		Rolla 272	1110 W	IRNt	92.5	MN	Buhl, "man is dead in
1124 KZLE	93.1		Batesville 261	_				motorcycle accident in
1124 KWYN	92.5		Wynne 219	Stearns				
1425 <u>WEBQ</u> 7/8 Es	102.3	IL	Eldorado 130					county," heard 65 miles north of Loma CO 975
1143 KOIR	88.5	ΤX	Edinburg 963	1153 XH	-IRMt	92.5	BN	
1144 KLUX	89.5		Robstown 856	1100 AI	IIXIVIC	JZ.J	וט	Magic 92.5," heard in
1145 KBNL	89.9		Laredo 936	Dinosau	r			CO 695
1145 KULM	98.3		Columbus 717	1324 KL	_FM	92.9	MT	Great Falls,
1152 <u>XHNK</u>	99.3		Nuevo Laredo 951	rockinthe	erivers.	com,		
1201 KTSU	90/9		Houston 664	0/4 Ma	T-2			heard in Dutch John UT 466
1203 KTFAt 979	92.5	1.	Groves, "The Light 92.5,"	8/1 Ms, 0849 CE		96.9	SK	Regina, c mx, heard in
010			area code ad	0040 01	J1 ((50.5	Oix	Shoshoni WY 914
1205 KOYE	94.9	TX	Laredo 950	0855 W	XLPt	96.9	IL	Moline, "97X," classic r,
1230 <u>KHKV</u>	88.7	TX	Kerrville 816	heard				
1242 <u>KNCN</u>			Sinton 840					in Shoshoni 914
1244 KQXT			San Antonio 816	0921 Kl	JOWt	94.9	WA	Seattle, "NPR special
1252 KNFM	92.3		Midland 915					correspondent," heard in
1254 KOOKt	93.5	ΙX	Junction, "Oldies 93.5," 830	4404 IZI	/ED	02.2	۸ ح	Hiland WY 789
1256 KLTY	94.9	TY	area code ad Arlington, previously logged	1101 K	\FK	92.3	AZ	Glendale, ad w/locations in Scottsdale and on I-17,
as	94.9	1.	Anington, previously logged	heard in				Scottsdale and on 1-17,
43			KSNN on tropo 620	ricara iri				Glenrock WY 739
1300 unID	103.3	??	??, "Kiss 103," briefly o/local	1429 KO	GLLt	96.1	СО	Greeley, "tickets to Area
1314 KCDD			Hamlin 779	One			_	,
1314 KMGL			Oklahoma City 583					at Crystal Rapids," heard in
1319 KCHX	106.7	TX	Midland 903					Chadron NE
1324 <u>KOMA</u>	92.5	OK	Oklahoma City, distinctive ID	1624 KG	QDY	94.5	ND	Bismarck, heard in Eli NE
			as previously heard on //	279	_			
4000 14011			AM1520 583	8/2 Ms,				
1328 <u>KOLI</u>	94.9	TX		0920 W	SYE	93.3	MS	Houston, "Big Brothers/Big
1330 KCMIt	96.9		Terrytown, preacher Claude 820					Sisters of NE MS," heard in Ainsworth NE 851
1332 <u>KARX</u> 1334 KECO	95.7 96.5		Elk City 696	0954 W	171	93.3	WI	
1334 KLCO	97.3	??	??, "Q-97 FM," k	0934 W	JZI	93.3	V V I	furniture superstore, "heard
1344 unID	103.5		??, "103-5 The Fox," KRFX	in				ramitare superstore, meara
			Denver?					Bassett NE 590
1359 KLVV	88.7	OK	Ponca City 559	1001 KI	OA	93.3	IA	Des Moines, heard in Stuart
1400 KCSU	90.5	CO	Fort Collins 1016	NE				
1400 <u>KRVN</u>	93.1		Lexington 746					299
1415 <u>KIQK</u>	104.1		Rapid City 999	1024 K\	/GB	104.3	KS	Great Bend, "KSNC Corn
1425 KSQY	95.1	SD	Deadwood 1034					Maze," heard in Atkinson NE
7/11 Tr	05.0	٨١	Guntersville 149	1050 KT	ГТР	96.3	MNI	284
0851 <u>WTWX</u> 0851 WMJJ	95.9 96.5	AL AL	Birmingham 204	1030 K	ПБ	90.3	IVIIN	Glencoe, heard in Inman NE 264
0907 WEUP	103.1			1107 KS	S INn	99.5	MN	Minneapolis, c, heard in
0941 KCMQ	96.7		Columbia 316	1107 100	5011p	55.5	1011	Clearwater NE 323
0941 KSLZ			St. Louis 232	1140 KG	GAC	90.5	MN	St. Peter, "Minnesota Public
1002 KTXY	106.9	MO	Jefferson City 333					Radio," heard in Meadow
<u>7/12 Tr</u>								Grove NE 237
0833 <u>WTHQ</u>			Shelbyville 163	1202 W	COW	97.1	WI	
1054 WJLY	88.3	IL	Ramsey 218					WCOW," "Western
7/16 Tr	00.5	N40	Osera Beach 220	Wiscons	sin			Name " board in Norfall, NE
1052 <u>KRMS</u> 7/16 Es	93.5	MO	Osage Beach 326	1205 KN	JVD	97.5	MNI	News," heard in Norfolk NE Rochester, heard in Norfolk
	NYC's	93.1	, 93.9, 94.7, 103.5, 104.3	1205 KI	NAIN	97.5	IVIIN	NE 292
			Orleans					142 202
1119 <u>WBAB</u>			Babylon 800					Fred Laun - K3ZO
1121 WPLR	99.1		New Haven 833					IICU LAUII INJEO
1139 <u>WNJO</u>	94.5	NJ	Trenton 712					5801 Huntland Rd.
<u>7/17 Tr</u>						1 \		
1107 <u>WOFX</u>	92.5	ОН	Cincinnati, ad for WSAI-1530				Tai	mple Hills, MD 2074
4404 WKDO	404.0	~	234	V		1		
1121 <u>WKRQ</u>	101.9	ОН	Cincinnati 234		Y.	. L	(k3zo@arrl.net
7/17 Es 1000 unID	92.7	??	??, chr, mono					KJZO@alli.iict
1000 unID	92.5	??	??, European language, not		,	71		EDT
.000 diliD	JZ.J		sure which					ГГЛ
1003 CHLM1t	91.5		, Radio Canada nx in	Denon	TI I_Ω(ገበ tur	۰ ۲	Winegard antenna @ 35'
mono	-		•	ווטוו	10-00	JU IUI	σ ι, \	viniegalu alitelilla 👑 33
1137 <u>WMGX</u>	93.1		Portland 1019	7/04 =				
1137 WCYIt	93.9	ME	Lewiston, telling contest	7/24 Es 2030 Ch	⟨ ♀₽	89.1	ONI	Fort Frances, ID in FF 1075
winner,			"O. 1	2030 Cr 2036 Cl		92.1		Winnipeg, "City FM" 1242
1110 000	04.0	VID.	"You're going to Area One"	8/6 Tr		٠ <u>٢</u> . ١	. V 11 V	pog, Oity i ivi 1242
1146 <u>CBD</u> 7/31 extended			St. Johns 1250	0805 W	PRB	103.3	NJ	Princeton, ID 157
	יו יייי ו∖ו	1.3 !						

n - K3ZO land Rd. , MD 20748 rrl.net

<u>7/24 Es</u>			
2030 CKSB	89.1	ON	Fort Frances, ID in FF 1075
2036 CITI	92.1	MN	Winnipeg, "City FM" 1242
<u>8/6 Tr</u>			
0805 WPRB	103.3	NJ	Princeton, ID 157
8/6 Es			
1230 KKBQ	92.9	TX	Houston, "93-Q" 1235

7/31 extended Gw ? Ms?

1016 KKOR

94.5 NM Gallup, heard 35 miles north

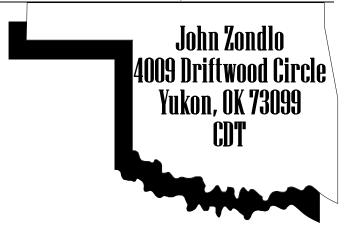
1236 KKRW	93.7	ΤX	Houston, "The Arrow" 1234
1239 KAYD	97.5	TX	Beaumont, ID 1140
1305 KJEF	92.9	LA	Jennings, ID 1087



DX-398

6/30 Tr	~ · -		
2125 WDAC 2045 WAYZ	94.5 104.7		Lancaster, rel
hottest	104.7	PA	Waynesboro, "Today's
Hottost			country," ID
2100 WRAR	105.5	VA	Tappahannock, ID, ABC nx
<u>7/16 Tr</u>			
2055 WDSD	92.9	DE	Smyrna, "Delaware's
continuous			country." ID
2140 WZBH	93.5	DE	country," ID Georgetown, "The Beach"
2205 WOLC	102.5		Princess Anne, wx, RDS ID
2230 WTDK	107.1		Federalsburg, o, "The Duck"
2255 WGRX	104.5	VA	Falmouth, k, "Thunder 104.5"
<u>7/19 Tr</u>			
2135 WWWV	97.5		Charlottesville, "3WV Rocks"
2200 WKMZ 2240 WARX	97.5 106.9	WV MD	Martinsburg, ID, classic r Hagerstown, "Oldies 106.9"
2240 WARX 2240 WAFX	106.9	VA	Suffolk, "The Fox"
7/20 Tr	100.5	٧, ١	Guiloik, The Fox
2255 WZXL	100.7	NJ	Wildwood, "ZXL"
<u>7/28 Tr</u>			
2115 WNVZ	104.5	VA	Norfolk, Z-104," hiphop
<u>8/1 Tr</u> 2302 WCMS	100.5	١/٨	Norfolk, ID, k
2320 WICO	97.5	MD	· · ·
2326 WWOC	94.5	NC	Hatteras, k
2340 WQJZ	92.5	MD	Ocean Pines, "Delmarva's
			Smooth Jazz," //97.1
2347 WSDL	90.7		Ocean City, c
2353 <u>WKHI</u>		VA	Exmore, "KHI"
2357 <u>WFMZ</u> 8/2 Tr	104.9	NC	Hertford, "Praise 105"
0035 WESR	103.3	VA	Onley, "The Shore"
0040 WJKS	101.7		Canton, "Kiss 101.7"
0120 WUSL	98.9	PΑ	Philadelphia, "Magic 98.9"
0130 WGBG	98.5	DE	Seaford
0134 WBSS	97.3	NJ	Millville, "New Jersey 101.5"

0135 WOGL 0145 WAYV	98.1 95.1		Philadelphia, "Oldies 98" Atlantic City, k
0155 WSTW	93.7		Wilmington, RDS ID
<u>8/3 Tr</u>			-
2210 WQHQ	104.7	MD	Ocean City, "Q-105," Delilah
2220 WGRX	104.5	VA	Fredericksburg, k, "Thunder
			104.5"
2255 WCEI	96.7	MD	Easton, ID, Delilah
2326 WLVW	105.5	MD	Salisbury, wx, o, "The Wave"
<u>8/4 Tr</u>			
0038 WSCL	89.5	MD	Salisbury, c
0055 WDSD	92.9	DE	Smyrna, ID, k



Akai AT-VO4 (w/150 kHz IF filters), Stereo Probe 9 antenna, Conrad RDS Manager, all new

<u>5/25 Es</u>			
1859 CBEB	89.7	ON	Manitouwadge, end of "As It
			Happens"
1900 WHBM	90.3	WI	Park Falls, wx, ID
1946 WWKL	99.3	PΑ	Harrisburg, "Cool 99.3," o
1950 WGGY	101.3	PΑ	Scranton, local spots
1951 WRFY	102.5	PΑ	Reading, local spots



From the Editor

Some great reports this month....thanks to all who sent them in! And it's not too late to get your reports in about what you heard this summer.

Hope all of you can make it to the WTFDA convention in Oklahoma City next year. For more info, check out Fmdxweb.com See y'all next month!

FM NORTH REPORT

Keith McGinnis 387 Shirley Street, Winthrop, MA 02152 longwave@mediaone.net



Harry Hayes - Wilkes-Barre, PA Equipment: Superadio w/110khz filter, Stacked FM quad loop in attic. New Asterisked

July 18 Tr

July 14 Es		•					
•		0455 CHUM 104.5 Toronto ON					
1235 *WRBA 95.9 Springfield	FL	ID and newsbreak					
Ad for Fox 28, ID		0508 WIII 99.9 Cortland NY					
1249 WKCN 99.3 Lumpkin	GA	"Classic Rock"					
c/w MX		luly 22 Eo					
1250 *WPB? 99.3 Panama City	/ FL	July 22 Es					
"Beach 99.3" and call ID, faded on last		1320 *WBSZ 93.3 Ashland WI					
letter and I don't have a recent log.		"Z-93" ID, Mention Rice Lake and Ashland					
•	A 1	·					
1317 WTVY 95.5 Dothan	AL	& Lake Superior Wx					
ID		1337 UNID 95.5 North Cental MN there					
1327 WPAP 92.5 Panama City	/ FL	a new station on 95.5 in this region.					
Numerous Ids		Mention weather alerts for Cass and Beltrami					
		counties, ID as "95 KZY". Again, my apologies for					
July 17 Es		not having a new log.					
4400 KELO 00.5 Ciarro Falla	CD	July 25 Tr					
1102 KELO 92.5 Sioux Falls	SD	July 25 11					
ID thru semilocal WKGB							
1114 *KJJY 92.5 Ankemy	IA	0806 WPXZ 105.5 Punxsutawney PA					
call ID and "Great Country"		ID's ad for Miller Furniture & Clarion Univ					

John Ebeling Bloomington & Alborn (Prosit) MN
Equipment used at both locations: Pioneer TX-9500 tuner w/modified IF's and stereo probe 9 antanna. About 25 feet agl in both locations.

2018 KEMS 101.9 Las Vegas

stereo probe 9 antanna. About 25 feet agrill both locations.									
From B	loomingto	n MN Ic	ocation:		2018	KFMS '	101.9	Las Vegas 'kissfm' 1293	NV
	Es (& tro				2021	@KDOT 1405	104.5	Reno	NV
1030	WHQR 1101 mi	91.3	Wilmington	NC	2028	KCEP 1293	88.1	Las Vegas	NV
1035	<u>@WDVV</u> 1101	89.7	Wilmington	NC	June 28				
1056	WCCJ	92.7	Harrisburg	NC					
1100	WRJA 1025	88.1	Sumpter	SC	0712 'mix96.1	KXXM	96.1 1100	San Antonio	TX
1105	<u>@WYFQ</u> 979	93.5	Wadesboro	NC	0727	KPLV 1135	93.3	Port Lavaca	TX
1231	@WNCM 1188	88.1	Jacksonville	FL	0739	KOYE 1245	94.9	Laredo	TX
1246 'Q92.9'	WMFQ	92.9 1245	Ocala	FL	0800	KYEE 1069	94.3	Alamogordo	NM
	1314 V	VFLZ	93.3 Tampa	a	08 43 _	@KVLC	101.1	Hatch '101 gold'	NM 1124
1253	WSSR	95.7	'93.3FLZ' Clearwater	1250 FL	0844	KBNA 1153	97.5	El Paso	TX
	'star95.7'	1304			0900	<u>@KUWC</u>	91.3	Casper	WY
1300	<u>@WSMR</u> 1350	89.1	Sarasota	FL	0907	662 KBZN	97.9	Odgen	UT
1320	WQUE	93.3	New Orleans	LA				'the breeze'	974
	1042				0909	@KWKM		St. Johns	AZ
1920	<u>@KNHK</u> 'the hawle		Reno 05	NV	0914	KSPZ 723	92.9	Colorado Spgs	СО
1928	KZHT	94.9	Provo '94 9ZHT'	UT 986	0916	KRWN 959	92.9	Farmington	NM
1930	KNAU 1176	88.7	Flagstaff	AZ	0920	<u>@KXRQ</u> 904	94.3	Roosevelt	UT
1934	@KHWY	98.9	Essex Note 1	CA 1372	0921	<u>@KEKB</u> 884	99.9	Fruita	CO
1937	KBEE 982	98.7	Salt Lake City	UT	0929		102.5	Los Lunas 'arrow 102.5'	NM 994
1943 1958	KGGK KUBL	98.3 93.3	Wessington Sp	gSD UT	0934	KTBL 977	103.3	Albuquerque	NM
.000	982	30.0	Jan Lano Ony	J .	0938	@KEXT	104.7	Bosque Farms	NM
2007	<u>@KBUL</u> 1413	98.1	Carson City	NV				'104.7 the edge	

0942	<u>@KRZN</u> 937	105.1	Santa Fe	NM	1707	WABB 1152	97.5	Mobile	AL
0953	<u>@KYLZ</u>	106.3	Los Lunas 'wild 106'	NM 994	1709	KPSM	99.3	Brownwood 'the rock'	TX 1109
0953	<u>@KKLI</u> 725	106.3	Widefield	CO	1720	WSYE	93.3	Houston 'sunny 93.3' +m	MS
0956		102.7	Manitou Springs	sCO	1725	KOOK 1204	93.5	Junction	TX
1005	<u>@KLVF</u> 895	100.7	Las Vegas	NM	1728	@WYLA	94.7	Lacombe (II w/WSJZ94.9	LA)
1008	KEZJ 1075	95.7	Twin Falls	ID	1735	<u>@KYBE</u> 934	95.9	Frederick	OK
1015	KFXJ 1155	94.9	Nampa	ID	1737	WJMI 1024	99.7	Jackson	MS
1020	<u>@KRTN</u> 797	93.9	Raton (ex 93.7)	NM	1741	<u>@KYYI</u> 944	104.7	Burkbumett	TX
1024	<u>@KBOM</u> 937		Santa Fe	NM	1750	@WBSN		New Orleans 'life songs 89.1	LA fm' 1185
1032	KNMI	88.9	Farmington 'vertical radio'	NM 959	2020	KBHT 1094	93.5	Crockett	TX
1034	<u>@KLVO</u> 1002	97.7	Belen	NM	2025	<u>@KWRW</u> 1059	97.7	Rusk	TX
1045	<u>@KSPK</u> 777	102.3	Walsenburg	CO	2028	KILT 1200	100.3	Houston	TX
1047	<u>@KKFG</u>	104.5	Bloomfield 'kfrog fm'	NM 950	2034	KAMX 1227	94.7	Luling	TX
1050	?KYDA?	103.7	??? Note 2	NM	2035	KSCS 1016	96.3	Fort Worth	TX
1055	KISZ 948	97.9	Cortez	CO	2037	KLUV	98.7	Dallas 'k-love'	TX 1007
1057	KVUU	99.9	Pueblo 'kvue'	CO 740	2052	KPSM	99.3	Brownwood 'the rock'	TX 1109
1100	<u>@KCME</u> 726	88.7	Manitou Springs	sCO	2100	KVNE 1022	89.5	Tyler	TX
1115	<u>@KVRH</u> 786	92.3	Sadila	CO	2100	KBJS 1048	90.3	Jacksonville	TX
1125	KKXK 871	94.1	Montrose	CO	2130	@KHKV	88.7	Kerrville "KHCB radio ne	TX t' 1223
					2230	KUYI	88.1	Hotevilla (again!)	AZ
Note 1:KHWY was noted on the cover of the VUD a few issues ago. signal was in for about 45 minutes.				v2256	KJYE 973	92.3	Grand Junction	CO	
Note 2:Heard KYDA, but find no reference to it anywhere as an FM'er. Thot a call change from			2300	KTEP 1288	88.5	El Paso	TX		
KTHR. 'Rockin' oldies' was used.				2304	KKOR	94.5	Gallup 'core fm'	NM 1152	
Now from Alborn, MN (in northern MN) May 31 Es			2313	KABG 1046	98.5	Los Alamos	NM		
164	KTYL 1022	93.1	Tyler	TX	June 8 E	Es (brief)			
1647	<u>@KLOL</u> 1200	101.1	Houston	TX	1830	@CBXI	88.1	Hinton 'cbc radio 1'	AB 1189
1648		104.1	Houston	TX	June 21	Fs		obo radio 1	1100
1649	@KLTO	104.9	Galveston 'k love'	TX 1229	1215	WAGP	88.7	Beaufort	SC
1652	KTTX 1181	106.1	Brenham	TX	1218	1190 WSSX	95.1	Charleston	SC
1656		104.5	Orange	TX	1222	WDAI	98.5	'95sx' Pawleys Island	1189 SC
1659	KAVX 1088	91.9	Lufkin	TX	1223	WZFX	99.1	'kiss fm' Whiteville	1177 NC
1700	KNTU 981	88.1	Denton	TX	1225	WWXM	97.7	'fox' Garden City	1139 SC
1700	KAXF	88.3	Conroe AFR	TX 1163	1229	@WAAV		Leland 'kiss 94'	NC 1167
1701	KUHF 1200	88.7	Houston	TX	1230	<u>@WPIR</u>	88.1	Hickory	NC 973
1702	KVNE 1022	89.5	Tyler	TX	1237	WALI	93.7	Walterboro 'wally'	SC 1161

1254 1169	WWWZ	93.3	Summerville	SC	July 22	Es			
1255 1246	WSOL	101.5	Brunswick	GA	1219	WEVO 89	9.1	Concord	NH
1300 1201	WIXV	95.5	Savannah	GA	July 27				
1333 1094	KBHT	93.5	Crockett	TX	1800	<u>@WKJL</u> 88	0.1	Clarkabura	WV
1800	@WUFT	89.1	Gainsville Note 1	FL		817		Clarksburg	
1800	WYFK 1082	89.5	Columbus	1321 GA	1805	1174	3.5	Hazelhurst	GA
1822		100.7	Peekskill	NY	July 28	Tropo			
1824	<u>@WXXP</u>	105.3	Calverton 'solid rock'	NY 	1209	<u>@KBGY</u> 107		Fairbault (new)	MN 189
1827	WFRW 785	88.1	Webster	NY	1700	WCBU 89		Peoria	IL
1830	@WDVR 993	89.7	Stockton	NJ	2041	<u>@KVIK</u> 104 259	4.7	Decorah	IA
1836	@WKPQ	105.3	Hornell 'q105.3'	NY 803	August				
1848	WPLR 1052	99.1	New Haven	CT	1759	@WDNX 89	9.1	Olivehill	TN
1850	WRKS	98.7	New York '98.7 kiss fm'	NY 1023	1805	771		Geneva	AL
1853	@WHWK	98.1	Binghampton 'the hawk'	NY 889	1810		,	the rose' Jessup	1161 GA
1858	WALK 1068	97.5	Patchogue	NY	1815			(RDS) Milan	1209 TN
1902		106.1	Patchogue	NY	1817			(RDS) Montgomery	791 AL
1906	WPST 1009	97.5	Trenton	NJ	1820	1064		Houston	MS
1908	WNJO 1009	94.5	Trenton	NJ	1822	@WJDB 95		คอนรเอก (RDS-sunny 93) Thomasville	
1918	<u>@WYCR</u> 933	98.5	York	PA				(RDS) N Charleston	1073 SC
1924	WZBH	93.5	Georgetown	DE	1829	1182			
Note 1:	MUIET idor	atified w	the beach' ith WJUF 90.1 Ir	1044	1830 1836	WMAW 88 1032 WVFJ 93		Meridan Manchester	MS GA
		illilea w	IIII VVJOF 90.1 II	iverness.		1066			KY
	born MN:				1852			Whitesburg (RDS)	848
July 3		00.7	Dathan	Δ.1	1859	1189		Charleston	SC
0900	WRWA 1157	89.7	Dothan	AL	1900			Charleston (RDS)	SC 1189
July 13		00.7	Only makin	00	1906	WRWA 88		Dothan (RDS)	AL 1157
0828	WMHK 1084	89.7	Columbia	SC			4. 1		
0900	WJSP 1061	88.1	Warm Springs	GA		loomington N	VIN:		
0900	@WPSC		Wayne (200 watts)	NJ 1004	July 17				
1000	WUFT 1321	89.1	Gainsville	FL 	1838 1844	<u>@KSQB</u> 95 <u>@KIHK</u> 106		Dell Rapids Rock Valley	SD IA
1000	WUSF 1429	89.7	Tampa -	FL	1924	235 KUPI 99		Idaho Falls	ID
1200	WGBH 1106	89.7	Boston	MA	2000			(RDS) Fargo	932 ND
1200	WGTF 1157	89.5	Dothan	AL	2008	219 <u>@KKLX</u> 96	6.1 '	Worland	WY
July 16	Es				2017	724 KBUL 93		Salt Lake Cty	UT
1500	WFRW	88.1	Webster	NY	2221	<u>@KBYU</u> 89		(RDS 'the bull') ! Provo	982 UT
	785				2223	986 <u>@KFRZ</u> 92	2.1	Green River	WY

2233	KXRQ 904	94.3	(RDS) Roosevelt	UT	2130	KPNO 282	90.9	Norfolk	NE
July 18	Es						•	orted. On July 17,	
2128	@KMNE	90.3	Basset (RDS)	NE 347		as well as s at the tin		e same time. A h	еск
Jim Re	enfrew, By	yron N\	(* * = new, * a	all times E	•	•	04.0		0.5
May 14	Tropo				2119	KQSD.	91 9	Lowry	SD
1142	*W207BD	0 89.3	Medina	NY	June	21 Tropo			
May 24	Ground W	/ave			2055	WOMC	104.3	Detroit	MI
,					June	25 Es			
1715 (new to	*W220DE the air this		Greece gh!)	NY	1315 1320	*WJBB UNID	88.1	Haleyville	AL
May 31	Es				1326	ons Tupelo *WUS	M# 88.5	Hattiesburg	MS
2020 2025	*WIKX *WMFQ	92.9 92.9	Charlotte Hrb Ocala	FL FL	June	26 Es			
2030	*WXJC	91.9	Crystal River	FL	1654 1655	WCKW *WKZE		Laplace Butler	LA AL
June 6	Tropo				1658	*WKZV	V 94.3	Bay Springs	
0850	*CHKS	106.3	Sarnia	ON	1659 1700	*KSLU WAJS(Hammond Tupelo	LA MS
June 1	3 Tropo				"AFN" 1703	WBRH		Baton Roug	
0830	*CIWV#	92.9	Hamilton	ON		WPAE Ponchartr	ain" traff		MS
1215	*WWJS	90.1	Watertown	NY	1721	WTIX	94.3	Galliano	LA
June 1	5 Tropo				July 9) Es			
2120		101.9	Alfred	NY	0553		BD 90.7	Lockport	NY
2140 2150	*WGYY *CBLA	100.3 99.1	Meadville Toronto	PA ON	0602 what a	93.5 are the cal	"Flow" ls?	Toronto	ON
June 1	8 Tropo				0613 Frenc	CHGO h-speaker	3(t)104.9	Mirabel,	PQ
	•				0637		/ 104.9	Loraine	ОН
1330	*CJLF#	100.3	Barrie	ON	July 9) Es			
June 20	0 Tropo				2045	KCBI	90.9	Dallas	TX
1420	*WBGJ	100.3	Sylvan Beach	NY	2049	UNID	94.3	Danas	.,,
June 2	1 Es				2052	FM", religi *KKTZ		Lakeview	AR
2006	*KCCD	90.3	Moorhead	MN	July 1	10 Tropo			
2010 2011	KOEZ *KULW	92.3 92.7	Wichita Kindred	KS ND	0212	CIRV	88.9	Toronto	ON
2018	*KQZZ#	96.7	Devil's Lake	ND	Spani	sh music p	rogram	"102.3 FM"	
2020	*KYNU#	98.3	Carrington	ND	2350	*CISS	92.5	Toronto	ON
2024 2025	*KCAD	99.1 93.9	Dickinson	ND MNI	2353	WZOK	? 97.5 ord" mer	Rockford	IL
2025	*WTBX *KKZY	93.9 95.5	Hibbing Bemidji	MN MN		ROCKI	ora mer	illonea	
2029	*KNOX#	94.7	Grand Forks	ND	July 1	11 Tropo			
2032	*KQDJ#		Valley City	ND	-	050	.		•
2032 2033	KFGO *KRCQ#	101.9	Fargo Detroit Lakes	ND MN	0200	CBC tes listed,	91.5 WXXI of	f	ON
2033		102.3	Ada	MN	0500	*W209		ı Albion	NY
2047	*KSNR	100.3	Thief Rvr Falls	s MN			· ·		- *
2051		103.7	Bemidji	MN	July 1	l3 Es			
2056 2059	*KMPR *KHRT	88.9 106.9	Bismarck Minot	ND ND	1309	KUHF	88.7	Houston	TX
			Bismarck		1000	NOT II	50.1	110001011	17

July 14	Es			1107 1126	*KINZ# *KJTY	94.3 88.1	Humboldt Topeka	KS KS
1210 1211	*WNUE 98.1 *WJHM 101.9	Titusville Orlando	FL FL	1130	*KLCV	88.5	Lincoln	NE
1212 1215	*WSEB 91.3 *WWKA 92.3	Englewood Orlando	FL FL	July 18	Tropo			
1216	*WZZR 92.7	Stuart	FL	0905	WPSB	90.1	Kane	PA
1223	*WAVW 94.7	Gifford	FL	0907	WMXD	92.3	Detroit	MI
1224	*WSKY 97.3	Micanopy	FL	0914	WDET	101.9	Detroit	MI
1226	*WWOJ 99.1	Avon Prk	FL					
1228	WLRQ 99.3	Cocoa	FL	July 21	Tropo			
1230	*WNDN 107.9	Chiefland	FL					
1234	*WGCO 98.3	Midway	GA	1137	*CHST	102.3	London	ON
1235	*WLLD 98.7	Holmes Bch	FL					
1248	*WXJZ 104.9	High Springs	FL	July 22	Es			
1251	WEAT 104.3	W Palm Bch	FL 					
1253	*WQOL 103.7	Vero Beach	FL 	1520	CBNM4	90.3	Marystown	NF
1256	*WSHE 100.3	Orlando	FL	1521	CHOZ	94.7	St.Johns	NF
1301	WOST 100.1	Cocoa Beach		1543	*CIOZ	96.3	St. Johns	NF
1309	*WSRZ 107.9	Coral Cove	FL	1602	*CKOZ	92.3	Corner Brook	
1315	*WKGR 98.7	Fort Pierce	FL	1622	*CBAF5		Halifax	NS
1316	*WGNE 99.9	Palatka	FL	1624	*CIOO	100.1	Halifax	NS
1322	*WTRS 102.3	Dunnellon	FL	1634	*CHFX	101.9	Halifax	NS
1335	WRBQ 104.7	Tampa	FL	1640	*CFRQ	104.3	Halifax	NS
1340	*WGZR 104.9	Ridgeway	SC	1647	CBCH?	104.7	Charlottetown	PE
	_			(weak)	00110	400 7		
July 16	Es			1650	CBH?	102.7	Halifax	NS
4004	\\/D\\/\ 00.7	Dathan	Λ.Ι.	(weak)				
1204	WRWA 88.7	Dothan	AL	ll 00	T			
`	BA02)	۸ <u>دا مید</u> م	O 1	July 23	rropo			
1211	WABE 90.1	Atlanta	GA	0400		400.5	0	ONI
1331	KCBI 90.9	Dallas	TX	0102		103.5	Orangeville	ON
1336	UNID 91.9			"New Z"	•			
"Power		Oakwain	1.0	l 05	T			
1633	*KOEL 92.3	Oelwein	IA	July 25	ropo			
1635	UNID 95.7			0045	*\^\\	00.7	l la ulchaa a u	NIX
"Q Gold		Olivia	MANI	0015	*WXUR "Point"	92.7	Herkimer	NY
1636	*KOLV 100.1	Olivia Minnanalia	MN	0112	Pom	103.7	Brockville	ON
1637	*WQRC 100.3	Minneapolis	MN	luby 25	Ma			
1640	KULW 92.7	Kindred	ND	July 25	IVIS			
July 17	Fe			0040	*WJMQ	92.3	Clintonville	WI
July 17	Lo			0040	*WIL	92.3 92.3	St. Louis	MO
				00+0	V V I L	JZ.J	Ot. Louis	IVIO

Note: I purchased a new Sony radio for the van. Compared to my previous receiver, this one is incredibly selective, and DX'ing on long hopeless adjacents like 91.3, 92.3, 92.7, 98.7, 99.1, 100.3, 101.1 is now very possible. The Crutchfield catalogue has a nice chart showing the selectivity of the various receivers if you want to check for yourself. The Sony can tune in steps, but it's a bit of a wrist breaker. It starts to scan if you don't hold the button just right.

I haven't used RDS much during e-skip openings, as the indoor FM antenna leaves much to be desired. However, I am lucky that my Sansui TU-9900 has a multipath plug-in spot, and did not require modification. Downloading the software was a breeze. Bill Nollman, thanks for acquiring the RDS units, and for providing lots of web page support.

One development now possible with RDS is the ability to identify CBC outlets, which rarely use any call letters. Some stations which should be easily captured by RDS are actually quite difficult, my local WVOR, for example.

				97.3	CJEZ	F001	"EZ ROCK"
RDS R	esults (Conra	nd Unit installe	ed 7/6)		"Today's So	oft Rock with le	ss talk"
				98.1	CHFI	67AE	"CHFI-FM"
88.3	WCOU	5B70	"WCOU"	song tit	les and ads		
88.7	WRWA	BA02	"WRWA"	98.7	CBCP	9954	"CBCP"
88.9	WCIY	5AD8	"WCIY"	99.1	CBLA	4020	no calls
90.3	CJBC	9952	"CJBC"	100.5	WVOR	8D99	"Mix 100.5"
93.1	CHAY	673C	"ENERGY"	"Mix me	eans Varity" (s	sic)	
	"Energy Su	perstation by E	-Radio Inc."	102.1	CFNY	6346	"EDGE 102"
93.5	C	9953	no calls	"New R	ock Toronto F	Request"music	titles
94.3	CJBC	C008	"CJBC-FM"	103.7	WRTS	838C	"STAR 104"
95.3	CJXY	6EDA	"Y 95.3"	"World 106.5	WYRK	95CC	"WYRK"
Class R	Rock"			107.1	CILQ	6AF6	"Q107"
				107.5	CBCK	C006	"CBCK-FM"

			thport MA M						
Equipm	nent: Tur	ner—Yam	aha T 85 An	itenna—Prob	oe 9 at 28 1810	Bit WIFC	95.5	Wausau	WI
June 16	Es								
1700	<u>WCBH</u>	104.3	Casey	IL	1810		106.9	Marion	IN
1703	KBEQ	950 104.3	Kansas City	МО	1813	WXEC Tomah to		Nehoorah	WI
1705	Young K KCMQ	1300 96.7	Columbia	MO	1814	KQRS	92.5	Golden Valley	
1706	KXOK	97.1	St. Louis	MO	1830	KTCZ Cities 97	97.1	Minneapolis	MN
1709	Radio 97 KQWB	7.11100 98.7	Moorehead	MN	1837	WTBX	93.9	Hibbing	MN
1710	Q98.7 KSLZ	107.7	St. Louis	MO	1845	WDAY Y94	93.7	Fargo 1480	ND
4744		he Hit Mx 1		N 4N 1	luna 10	Trana			
1711	KZPK Wild K	98.9	Paynesville	MN	June 19	-		.	
1715	<u>KEZK</u>	102.5 1100	St. Louis	MO	2200	103.5 V T103.5	VJYN	Bethany Bch	DE
1715	KIXQ Kicks 10	102.5 2.5	Joplin	МО	June 25	Es			
1716	<u>WLEZ</u> "EZ"	102.7	Terre Haute	IN	1230	WKRO	93.1	Daytona Bch	FL
1716	<u>KLOU</u>	103.3 1100	St. Louis	MO	1240	US93 WAYF	88.1	W Palm Bch	FL
1719	WIKK Hits 103.	103.5 .5	Newton	IL	1247	Way-FM WLLE	94.7	Mayfield	KY
1720	KOTT Spirit FM	107.7	Otterville	MO	1845	WPAP	92.5	Panama City	FL
1722	WKOA K105	105.3	Lafayette	IN	1919	WMFB	94.3	Lake City	FL
1726	unid "KLBK"	106.3			1923	Mix 94 WIXV	95.5	Savannah	GA
1730	<u>WBFM</u>	93.7	Sheboygan	WI	1924	I-95 WQPW	95.7	Valdosta	GA
1734	B-93.7 KMJK	107.3	Lexington	MO	1924	Mix 96	90.1	valuosia	OA.
1736	<u>KTXY</u>	Oldies1300 106.9	Jefferson City	MO	June 27	Es			
1740	Y107 KPNT	105.7	St. Genevieve	МО	1930	KVSC	88.1	St. Cloud	MN
1742	The Poir	nt 105.5	Molerly	МО	2010	WRFW	88.7	River Falls	WI
1742	KZ105 <u>KJEL</u>	103.7	Lebanon	МО	2020	Pure radi KQRS	92.5	Golden Valley	MN
1743	KSD	93.7	St. Louis	МО	2028	KNSG	94.7	Springfield	MN
1751	93.7 The WIL	92.3	St. Louis	MO	2029	The Hog KLSC	93.9	Fayette	МО
1753	KUSZ The Poir	1100 107.7	Proctor	MN	2037	Mix 93.9 KXLP	93.1	New Ulm	MN
1755	KGRS	107.3 1100	Burlington	IA	June 28	Tropo			
1802	unid MonoOv	104.7			0745	•	101.9	Cherry Valley	NY
1805	<u>KJJC</u>	er WKPE 107.1	Osceola	IA	0770	Local WC		Onony valley	1 1 1
1806	107.1 Th	97.5	Tulsa	ОК	June 28	Es			
1809	Tulsa's C KRAV	Classic Roc 96.5	k 1450 Tulsa	ОК	1900	WCBU	89.9	Peoria	IL
1810	KIOW Mix 107.	1450 107.3 3	Forest City	IA	1900	KNCY	94.7 1350	Nebraska City	NE

1910	KLSC Mix 93.9	93.9	Fayette	MO	1142	WIBB	97.9	Ft. valley	GA
1911	KWWR	95.7	Mexico	MO	1144	<u>WJWZ</u> Jamz	97.9	Wetumpka	GA
1923	KCMO	94.9	Kansas City	MO	1150	WDLT	98.3	Chickasaw	AL
1928	KLRQ	96.1	Clinton	MO	1152	WBAM	98.9	Montgomery	AL
1934	Q-96 <u>KYYS</u>	99.7	Kansas City	MO	1154	Star 98.9 WKCN	99.3	Lumpkin	GA
1945	KGRC	92.9	Hannibal	IL	1159		100.1	Talking Rock	GA
1946	<u>WRPW</u>	92.9	Colfax	IL	1203	Sunny 10 WQYZ	92.5	Ocean Springs	MS
1953	KSYN	980 92.5	Joplin	MO	1206	Q92.5 WMJY	93.7	Biloxi	MS
1958	KRPS	89.9	Pittsburg	KS	1217	Magi 93.7 <u>WKLS</u>	7 96.1	Atlanta	GA
2000	KDHX	88.1	St. Louis	MO	1220	96 Rock WOKK	97.1	Meridian MS	
July 13	Es				1224	97-OKK <u>WSSY</u>	RDS 97.5	Talledega	AL
0755	WOKK	97.1	Meridian	MS	1224	Star 97.5 WEZB	97.1	New Orleans	LA
0812	97-OKK KDAB	RDS 94.9	Prairie Grove	AR	1245	B97.1 <u>WCKS</u>	102.7	Fruithurst	AL
	Sunny 95	Town R	ogers mention		1253	Kiss 102. WXRR	7 104.5	Hattiesburg	MS
July 13	Ms							· ·	
0915	CIDR	93.9	Windsor	ON	1310	WSLY Sly 104.9	104.9	York	AL
	Calls and		network heard		1315	Unid	105.5		
July 14	Es				1320		105.9	Centre	AL
1113	WMOC	88.7	Lumber City	GA	1321		105.9	Trussville	AL
1115	WVOB	91.3	Dothan	AL	1400	V105.9 WTYX	94.7	Jackson MS	
1116	2.5k WTNT	94.9	Tallahassee	FL	1405	Arrow WTUG	92.9	Tuscaloosa	AL
1120	WPAP	92.5	Panama City	FL	1410	T-U-G <u>WBHZ</u>	95.7	Tuscaloosa	AL
1125	WKZW	94.3	Bay Springs	MS	1415	Jamz WMJJ	96.5	Birmingham	AL
1127	KZ94 WDEC	94.7	Americus	GA	1420	Unid	93.1		
1136	WZNS	96.5	Ft. Walton Bch	FL		SS mono			
1137	Z96 WDJR	96.9	Enterprise	AL	July 17	Es			
			•		2038	WYPL	89.3	Memphis	TN
1138	WFOX Fox 97	97.1	Atlanta	GA	2109	RDS	91.7		
1141	WCPR CPR	97.9	Dilberville	MS	00	AFR	V 111		

Mike Bugaj, 69 Sherman Road, Enfield, CT 06082 Equipment: Carver TX-11 and Sony ST-5130, CM Stereo Probe 9 and APS-13, Bolin Phase box and Conrad RDS Manager. New are underlined July 21 Tropo

				July 21	поро			
July 19	Tropo			2330	CBHA mono w	92.1 ith RDS	Yarmouth D CBHY, PI=C	NS B51
0000	WBOQ 104.9 r with RDS and	Glouceste PS ID of WBAC	MA H,	2330	CBH weak	102.7	Halifax	NS
PI	=58C8							
0003	WHEB 100.3	Portsmouth	NH	July 22	? Es			
	with RDS ID WH	EB PI=678D		_				
0754	WHYY 90.9	Philadelphia	PA	1322	WYTE	96.7	Marshfield	WI
	with RDS PS=W	•	C	1323	KISD	98.7	Pipestone	MN

. 5 _ 5	RDS ID of KKCK, PI=2AA6		1135 WQHL 98.1 Live Oak FL
1326	KDJS 95.3 Wilmar	MN	RDS w/id of WQHL and PI of 7fA9 The Big 98
	RDS of KDJS and PI=18E8		1138 WAAC 92.9 Valdosta GA
1328	KKIN 94.3 Aitkin	MN	C-93
	w/RDS id of KKIN-FM and PI=2B		1147 WPPT 94.5 Panama Cty BchFL
1330	WOSQ 92.3 Spencer	WI	w/Pirate Radio
	ID		1150 WEBZ 93.5 Port St.Joe FL
1330	KNOW 91.1 St. Paul	MN	93.5 the beat.
	out no PS ID, just PI=33D6		1201 WRWA 88.7 Dothan AL
, -	calls in Radiotext		RDS again
1333	WWJO 98.1 St. Cloud	MN	1150 WTNT 94.9 Tallahassee FL
	RDS ID of 98CNTRY, PI=8FB8		country
1335	KIKV 100.7 Alexandria	MN	1139 WGPH 91.5 Valdosta GA
	Kick-FM		w/RDS Id of WGPH and PI=660D
1335	KKQQ 102.3 Volga	SD	
	RDS=KZ102 with PI of 2C18, Ca	lls	July 27 Es
	are wrong?		1910 Unid 95.5
1342	CBCK 107.5 Kingston	ON	Hot new country K95.5
	RDS kicked in with CBCK- FM,		1913 <u>KYNU</u> 98.3 Carrington ND
			Big Dog 98.3
	PI=C006		1914 Unid 95.5
1342	KLIZ 107.5 Brainard	MN	Bluff Honda, Classic 95.5
1346	KOLV 100.1 Olivia	MN	1915 <u>KOKS</u> 89.5 Poplar Bluff MO
1348	KDLO 96.9 Watertown	SD	calls
	RDS ID of KDLO, PI=1918		1919 KHCD 89.5 Salina KS
1353	KDSD 90.9 Pierpont	SD	RDS w/PS code of KHKC89.5, PI=22B3
4055	RDS of KDSD and PI=19C3		1921 KREP 92.1 Belleville KS
1355	KSJR 90.1 Collegeville	MN	1922 KEZO 92.3 Omaha NE
4.400	RDS but no PS, PI=A483	B 45 I	www.z92.com
1400	KCCM 91.1 Moorhead	MN	1950 KAYT 88.1 Jena LA
4.400	RDS of KCCM, PI=1588	N A N I	SuzyQ Records in Shreveport
1403	KXDL 99.7 Browerton	MN	1954 WAFR 88.3 Tupelo MS
4.405	Hotrod Radio	14/1	RDS ID WAFR
1405	WRLS 92.3 Hayward	WI	July 20 Ma
1410	KKXL 92.9 Grand Forks XL-93	ND	July 28 Ms
1411	KRVI 95.1 Detroit Lakes	MN	Overnight reception of PI code 65AE on 97.1 shows
1411	KKVI 95.1 Delion Lakes	IVIIN	ID of WGLQ Escabana,MI
July 23	Coastal Tropo		0900 +/- left tuner on 90.9, looked at screen to find
July 23	Coustai iiopo		PS ID of WHRM and PI of 68EA. RDS works for
July 24	Es to west at 2000 up to 93.5 bri	iefly	meteor scatter.
July 27	20 to 1100t at 2000 ap to 00.0 bit	,	motor oddion
			July 31 Tropo
July 25	Es		• r ·
•			0730 <u>WWOC</u> 94.5 Hatteras NC

RDS

1323

1125

1130

WUFT

WLPT

89.1

88.3

RDS w/id of WUFT-FM and PI=8AOD

Gainsville,

Jessup

99.7

KKCK

Marshall

MN

My totals now are over 2200 stations logged. I was thinking as I typed this, how things have changed over the years. Now you use RDS for Ids, you punch up www.100000watts.com for Unids, you email your reports to the column editors, you get instant E skip alerts on the WTFDA list, you leave your rx and your computer on overnight and log new stations unattended. Who would have thought???

0740

country

WOBX

RickDees

98.1

Manteo

NC

Saul Chernos - Toronto ON - schernos@sympatico.ca - 416-364-0725

FL

ronto BF	R = Buri	nt River						
				1050	KOLS	95.5	Dodge City	KS
Es (BR)				1052	KYEZ	93.7	Salina	KS
					93.7 K	(Y-94 k		
KMUW	89.1	Wichita	KS	1100	<u>KRPH</u>	93.9	Dodge City	KS
NPR Mor	ning Edi	ition			93-9 The	Buzzar	d	
KANR	92.7	Belle Plaine	KS	1126	KMTY	97.7	Holdrege	NE
Fly 92-7					Mighty 9	7	•	
KDGS	93.9	Andover	KS	1130	KKOT	93.5	Columbus	NE
Power 93	3.9 rd				k			
KGGG	94.7	Sterling	KS	1135	KUSO	92.7	Albion	NE
Milk the C	Oldies 94	4.7 cash cow						
	Es (BR) KMUW NPR Mor KANR Fly 92-7 KDGS Power 93 KGGG	KMUW 89.1 NPR Morning Ed KANR 92.7 Fly 92-7 KDGS 93.9 Power 93.9 rd KGGG 94.7	KMUW 89.1 Wichita NPR Morning Edition KANR 92.7 Belle Plaine Fly 92-7 KDGS 93.9 Andover Power 93.9 rd	KMUW 89.1 Wichita KS NPR Morning Edition KANR 92.7 Belle Plaine KS Fly 92-7 KDGS 93.9 Andover KS Power 93.9 rd KGGG 94.7 Sterling KS	Es (BR) 1050 KMUW 89.1 Wichita KS 1100 NPR Morning Edition KANR 92.7 Belle Plaine KS 1126 Fly 92-7 KDGS 93.9 Andover KS 1130 Power 93.9 rd KGGG 94.7 Sterling KS 1135	Es (BR) 1050 KOLS 1052 KYEZ 93.7 K KMUW 89.1 Wichita KS 1100 KRPH NPR Morning Edition 93-9 The KANR 92.7 Belle Plaine KS 1126 KMTY Fly 92-7 Mighty 9 KDGS 93.9 Andover KS 1130 KKOT Power 93.9 rd KGGG 94.7 Sterling KS 1135 KUSO	Es (BR) 1050 KOLS 95.5 1052 KYEZ 93.7 93.7 KY-94 k KMUW 89.1 Wichita KS 1100 KRPH 93.9 NPR Morning Edition 93-9 The Buzzard KANR 92.7 Belle Plaine KS 1126 KMTY 97.7 Fly 92-7 Mighty 97 KDGS 93.9 Andover KS 1130 KKOT 93.5 Power 93.9 rd KGGG 94.7 Sterling KS 1135 KUSO 92.7	Es (BR) 1050 KOLS 95.5 Dodge City 1052 KYEZ 93.7 Salina 93.7 KY-94 k KMUW 89.1 Wichita KS 1100 KRPH 93.9 Dodge City NPR Morning Edition 93-9 The Buzzard KANR 92.7 Belle Plaine KS 1126 KMTY 97.7 Holdrege Fly 92-7 KDGS 93.9 Andover KS 1130 KKOT 93.5 Columbus Power 93.9 rd KGGG 94.7 Sterling KS 1135 KUSO 92.7 Albion

May 14	Tropo (BR)		0817	CJTK g-t	95.5	Sudbury	ON
1200	<u>CHMS</u> 97.7 Bancroft r The Moose, Mentions of Cottage	ON ;	June 13	B Tropo (B	R)		
Country	,		0051	WYUL	94.7	Chateauguay	NY
May 14	Es (BR)		0100	Yes-FM r WSLU	/d 89.5	Canton	NY
1246	KXRA 92.3 Alexandria KX-92 r	MN	1623	c, stn list CKOI FF	96.9	Verdun	PQ
1250	WDAY 93.7 Fargo Y-94, The Valley's #1 music stn	ND	June 14	' ' I Tropo (B	R)		
1253	KULW 92.7 Kindred	ND	ounc 17	г поро (Б	· · ·,		
1257	KQDY 94.5 Bismarck Your new country leader, KQ-94.5	ND 5	0027	WCOV FLN g-mx	93.7 K	Clyde	NY
May 26	Es (TO - Central to East)		0359	WBTĬ k	96.9	Lexington	MI
1900	KCMH 91.5 Mountain Home	ΛD	0424	WBCM k, WTCM	93.5	Boyne City	MI
	g, SRN nx		0430	WSAQ	107.1	Port Huron	MI
2020	KTOZ 95.5 Pleasant Hope	MO	0445	107-Q-C	•	Down Cound	ON
2026 2035	<u>KTTK</u> 90.7 Lebanon KWEN 95.5 Tulsa	MO OK	0445	CBPO Environm	88.9 ent Can	Parry Sound ada weather stn	ON
2000	K-95.5-FM k	OIX	0517		102.5	Rome	NY
2038	KJEM 93.3 Seligman	MO	0519		102.1	Bad Axe	MI
				Cruise 10			
May 31	Es (TO - east and north)		0543	WLLG	99.3	Lowville	NY
1852	KFXS 100.3 Rapid City	SD	0705	Moose 99 CBOD	9.3-101.3 89.3	•	ON
1002	KFXS 100.3 Rapid City Cl Rock 100.3 The Fox (Birchmou		0705	CBCD Rad		Maynooth	ON
1908	KLNC 93.3 Killeen	TX	0734	WMHT	89.1	Schenectady	NY
	Lone Star 93 k		0749	WSKG	89.3	Binghamton	NY
2000	WTMI 93.1 Miami	FL		NPR		J	
	WTMI Classical 93.1 c		0819	WSLJ	88.9	Watertown	NY
2019	WOSN 97.1 Indian River	FL 			•	blic Radio	
2020	WXDJ 95.7 N Miami Beach	FL	0839		103.1	Carthage	NY
2023	SS mx <u>WLDI</u> 95.5 Fort Pierce Wild 95-5	FL	0853	The New CHIP FF pop	101.7	Fort Coulonge	PQ
2024	WCTH 100.3 Plantation Key	FL	0855	CKOI	96.9	Verdun	PQ
2025	Thunder Country k WAMR 107.5 Miami	FL	0859	C'est Quo	101.5	Canton	NY
0007	SS ballads and talk, EE oldies		0000	The all ne			NIX
2027	WAVW 94.7 Gifford Continuous Cntry favrts only on the	FL No.Waya	0902	<u>WSCP</u> k	101.7	Pulaski	NY
2030	WLVE 93.9 Miami Beach	FL		N.			
2037	WBVD 95.1 Melbourne	FL	June 16	Es (TO)			
	rp			, ,			
Jun 2 T	ropo (TO - Snowball)		1739	WRNS Local ad	95.1 (too bus	Kinston y to DX, new sta	NC te)
					•	,	,
2318	CBCL 93.5 London // 99.1 - O&Y stns off for three blip	ON os	June 17	'Es (BR)			
2323	CKLN 88.1 Toronto	ON	2100	WDDQ	92.1	Adel GA	
	Seemed significantly weaker, u/Cl	FRH	2108	<u>WRFG</u>	89.3	Atlanta	GA
2359	<u>CHMS</u> 97.7 Bancroft The Moose 97-7 mkg cottage cntr	ON y proud	2110	RDS: WF WRWA	RFG, g-n 88.7	nx Dothan	AL
rp	J J		2111	RDS: WF		Mobile	AL
June 5	Es (BR)			95-KSJ k			
0914	KLIL 92.1 Moreauville	LA	2112	WVAS RDS: WV		Montgomery	AL
	4 F- (DD)		2116	WXFX	95.1	Montgomery AL	
June 11	I Es (BR)		2120	WTBF	94.7	Brundidge ezl, Memories 94	4 7 ID
1250	WMAU 88.9 Bude PRM in Mississippi	MS	2125	WLWI k	92.3	Montgomery	AL AL
June 12	2 Tropo (BR)		June 19	Es (BR)			

1900	<u>WMBU</u> 89.1	Forest	MS	July 9 l	Es (BR)
1903	SRN nx KSBJ 89.3	Humble	TX	2025	<u>KZYP</u> 99.3 Pine Bluff AR Delta Radio Network
1905	g KUHF 88.7	Houston	TX	2029	KRUF 94.5 Shreveport LA
1909	KKRW 93.7 6:09 on the Arrov	Houston v	TX	2102	Continuous Hit Music, it's K-94.5 <u>KHBM</u> 93.7 Monticello AR
1911	<u>KBZZ</u> 96.7 The New 96.7 Th	Morgan City ne Buzz	LA	2110	<u>KNLU</u> 91.1 Monroe LA 91.1 New Rock
1912	WQST 92.5 RDS: WQST, g-r	Forest	MS	2119 2125	KYKR 95.1 Beaumont TX KQXY 94.1 Beaumont TX
1914	KOOJ 93.7	New Iberia	LA		94.1
1915	Oldies 93.7 WOKK 97.1	Meridian	MS	2125	KAFX 95.5 Diboll TX K-Fox
1916	97-OKK k WHER 99.3	Heidelburg	MS	2131	KBFC 93.5 Forrest City AR
1921	Eagle 99.3 o WQUE 93.3	New Orleans	LA	July 12	? Es (BR)
1930	<u>WKZW</u> 94.3 94.3-KZ-94	Bay Springs	MS	0918	KSBJ 89.3 Humble TX
		-			Only CCI 2-3 and FM flutter
	1 Es (TO - Aurora	·		-	B Es (BR)
1309 1315	WTIX 94.3 WYKK 98.9	Galliano Quitman	LA MS	1040 1042	WCFB 94.5 Daytona Beach FL WPCV 97.5 Winter Haven FL
1323	WCKW 92.3	LaPlace	LA		97 Country WPCV k
1341	92.3 The Point r WOKK 97.1	Meridian	MS	1044	KKMR 93.3 Haltom City TX Your Cool Rock Alternative, Merge 93-3-
1407	97-OKK KLSA 90.7	Alexandria	LA	FM 1055	KSCS 96.3 Fort Worth TX
1412	Red River Radio KVRN 90.7	Marvell	AR	1100	KMXJ 94.1 Amarillo TX Mix 94.1 KMXJ
	g-mx			1105	KZPS 92.5 Dallas TX
1424 1430	KIPR 92.3 KDXY 104.9	Pine Bluff Lake City	AR AR	1128	Jaret Galeria of Jwly KOYN 93.9 Paris TX
1432	KOYN 93.9	Paris	TX		Your Country KOYN k
1433	Your Country KC KQUS 97.1	Hot Springs	AR	1129	KLNO 94.1 Fort Worth TX SS ballads
1456	AR's best country KITX 95.5	y US 97 Hugo	OK	1358	WHJT 93.5 Clinton MS Star 93.5 Christian Hit Radio
1457	KAGH 104.9	Crossett	AR	1359	WDLT 98.3 Chickasaw AL
1500	Super Country 10 KDDK 106.7	05 Benton	AR	1400 1402	WABB 97.5 Mobile AL WKSJ 94.9 Mobile AL
1000	Duck 106.7	Bonton	741	1402	95-KSJ k
July 8	Tropo (TO - Duffe	rin)		July 14	Es (BR - Lindsay)
0741	WMUS 106.9	Muskegon	MI	1153	WAVW 94.7 Gifford FL
0742	g-k, American Ch WLSL 93.7	nristian Music Re Three Lakes	vue WI	1155	Wave Country k WMFE 90.7 Orlando FL
	Good Time Oldie	s Weekend			Pledge drive (407) 282-2020
0746 0752	WLIT 93.9 WGRD 97.9	Chicago Grand Rapids	IL MI	1200 1201	WSOR 90.9 Naples FL WQCS 88.9 Fort Pierce FL
	Flight 97-9 Board	ding Call, r			88.9 FM, NPR, Calling All Pets
0800	WFRR 93.7 g-mx, dual ID w/	Walton WFRI 100.1	IN	1205	WWLV 94.3 Riviera Bch FL Smooth Jazz for the Palm Bchs, Love
0814	WMMQ 94.9 Classic Rock 94.	East Lansing	MI	94.3 1208	<u>WTLT</u> 93.5 Naples FL
0824	WMRI 106.9	Marion	IN		The New Light 93.5, 479-5588
0828	Light Rock 106.9 WBTI 96.9	Lexington	MI	1214	WRXK 96.1 Bonita Sprgs FL 96 K-Rock
0830	WBTI 96 Days of WVIC 94.1	f Summer Jackson	MI	1218	WRMA 106.7 Ft Lauderdale FL SS pop
0847	ID k u/CBL WODJ 107.3	Greenville	MI	1219 1221	<u>WYNR</u> 107.7 Darien GA WPCV 97.5 Winter Haven FL
	0				97 Country WPCV
0858	WMTX 102.7 Mix 102.7, Clear	Sandusky Channel Broadc	OH asting	1222 1230	WJBX 99.3 Ft Myers Bch FL WMBX 102.3 Jensen Beach FL
0904	WOOD 105.7 Easy 105.7	Grand Rapids	MI	1223	Today's best variety, on Mix 102.3 WAYF 88.1 West Palm Bch FL
					Christian Hit Radio Way-FM

1223	WAYJ 88. Way-FM	7 Fort	Myers	FL	July 17	Es (BR)			
1224	WZZR 92.			FL	1000	WMAO	90.9	Greenwood	MS
1225	WRMF 97.		n Beach	FL		PRM, MS			
1226	WSGL 104.	.7 Napl	les	FL	1000	<u>WMAV</u>	90.3	Oxford	MS
1227	WAPE 95.	.1 Jack	sonville	FL		PRM, MS	wx // 90	.9 (WMAH Biloxi	
1228	WIRK 107.	9 Wes	t Palm Bch	FL	unlikely)			•	
	k				1001	WTYX	94.7	Jackson	MS
1229	WBTT 105.	5 Nani	les Park	FL	1001	Arrow 94-		dadkoon	1410
1229		•	es Fair	1 L	1001			Daggardila	MO
4000	105-5 The Be				1031	WMAE 140	89.5	Booneville	MS
1229	WJGO 102.			FL		PRM, MS		_	
	The New 102	•			1045	WQST	92.5	Forest	MS
1230	<u>WWRZ</u> 98.	.3 Fort	Meade	FL		g			
	The Rose				1046	KIPR	92.3	Pine Bluff	AR
1231	WHTQ 96.	5 Orla	ndo	FL		Power 92	dance n	nusic	
	The Classic F	Rock Stati	on. WHTQ		1047	KRUF	94.5	Shreveport	LA
1232	WHKR 102.		kledge	FL		K-94.5, 32		ооторот	
1202	Hit Kicker	1 1001	licage	· -	1048	WBAQ	97.9	Greenville	MS
1234		E Hob	e Sound	FL	1040				
1234					4400			relaxing easy st	
	Motown Twin	•			1100	WKNQ	90.7	Dyersburg	TN
1235	<u>WEAT</u> 104.		t Palm Bch	FL				A & 90.7 WKNQ	
	Sunny 104.3	r			2110	WFSW	89.1	Panama City	FL
1240	<u>WWVV</u> 106.	.9 Bluff	ton	SC	2132	KMXV	93.3	Kansas City	MO
1242	WXXL 106.	.7 Tava	ares	FL	2133	KUCV	90.9	Lincoln	NE
1245	WOGK 93.			FL		NE tornac			
	K-Country		. •	. –	2138	KOEZ	92.3	Newton	KS
1246	WHPT 102.	5 Sara	isota	FL	2140	KMGW	94.5	Casper	WY
1240				1 L	2140		34.3	Caspei	V V I
4047	Tampa Bay's			- 1	04.40	Star 94	00.0	A I	140
1247	<u>WMGF</u> 107.	.7 Mou	nt Dora	FL	2142	KDGS	93.9	Andover	KS
	Magic 107.7					Power 93			
1248	<u>WJHM</u> 101.	.9 Dayt	ona Bch	FL	2152	<u>KSKU</u>	97.1	Hutchinson	KS
	102 Jams				2153	KRBB	97.9	Wichita	KS
1249	WKFF 100.	1 Pt C	harlotte	FL		Wichita's	B-98-FM	1	
	The New Kiss	s 100							
1252	WQOL 103.		Beach	FL	July 25	Es (BR)			
1253	<u>WZZS</u> 106.		Sprgs	FL		(,			
1200	k	20110	Opigo		0005	KTHC	95.1	Sidney	MT
1254	WRBQ 104.	7 Tam	na	FL	0000	KTHC RD		Oldricy	1711
1207	Q-105	i i aiii	ρα	1 -	0006	KPPR	89.5	Williston	ND
1051		7 Non	loo	ГІ	0000	KPPR RD		VVIIIISIOIT	טוו
1254	WSGL 104.	•		FL		KPPK KD	טו פּו		
1255	<u>WSRZ</u> 107.	9 Cora	al Cove	FL		T /TO 5			
	Oldies 108				July 31	Tr (TO D	utterin)		
1256	<u>WLOW</u> 107.		n Hd Isd	SC					
1259	<u>WIKX</u> 92.		rlotte Hbr	FL	0640	<u>CKYC</u>	93.7	Owen Sound	ON
	Kicks Country	/ k				Country 9	3 k testii	ng with mx-talk lo	оор
1300	WMFQ 92.	.9 Ocal	la	FL	1049	CKYC	93.7	Owen Sound	ON
	Q-92.9					Country 9	3 k testii	ng w/mx-talk loop	o (BR)
1301	WSVH 91.	1 Sava	annah	GA	1100		104.3	SIt Ste Marie	ΜÌ
	GA Public Ra					Q-104 k			
1303	WPAL 100.	,	eville	SC	1105	WIHC	97.9	Newberry	MI
1000	100.9 the bor			00	1100			k, RDS: WIHC	1411
1307	WUSF 89.	•	•	FL	1115	WCMZ	98.3	Slt Ste Marie	MI
			•		1115			Sit Ste Marie	IVII
1308	WLRQ 99.			FL		NPR //91.		01: 0: 14 1	
	The LightLight	•			1119	CBSM	89.5	Slt Ste Marie	ON
1309	<u>WWSK</u> 107.	.1 Mulli	ns	SC		CBC //89.	7		
1316	WGNX 99.	7 Verd	Beach	FL	1132	WSUE 1	101.3	Slt Ste Marie	MI
1324		(101-FM r			
.02.	99.7 FM GNX		ndo	FI	1133	101-FM r WMTX 1	102.7	Sandusky	OH
	99.7 FM GNX WWKA 92.		ndo	FL	1133	WMTX 1		Sandusky	ОН
1330	99.7 FM GNX WWKA 92. K-92-FM k	3 Orla				WMTX 1 Central O	H's Mix	102-7	
1330	99.7 FM GNX WWKA 92. K-92-FM k WSMR 89.	3 Orla	ndo isota	FL FL	11331135	WMTX 1 Central O WCKY 1	H's Mix	•	ОН
	99.7 FM GNX WWKA 92. K-92-FM k WSMR 89. Life FM	3 Orla 1 Sara	ısota	FL	1135	WMTX 1 Central O WCKY 1 k	H's Mix 103.7	102-7 Tiffin	ОН
1330 1406	99.7 FM GNX WWKA 92. K-92-FM k WSMR 89. Life FM WLVE 93.	3 Orla1 Sara9 Mian				WMTX 1 Central O WCKY 1 k WCLV	H's Mix	102-7	
	99.7 FM GNX WWKA 92. K-92-FM k WSMR 89. Life FM	3 Orla1 Sara9 Mian	ısota	FL	1135 1140	WMTX 1 Central O WCKY 1 k WCLV 2	H's Mix 103.7 104.9	102-7 Tiffin Lorain	ОН ОН
1406	99.7 FM GNX WWKA 92. K-92-FM k WSMR 89. Life FM WLVE 93. Smooth Jazz,	3 Orla 1 Sara 9 Miar , Love 94	isota ni Beach	FL FL	1135	WMTX 1 Central O WCKY 1 k WCLV 2 c WZOO 1	H's Mix 103.7 104.9 102.5	102-7 Tiffin Lorain Edgewood	ОН
1406	99.7 FM GNX WWKA 92. K-92-FM k WSMR 89. Life FM WLVE 93.	3 Orla 1 Sara 9 Miar , Love 94	isota ni Beach	FL FL	1135 1140 1200	WMTX 1 Central O WCKY 1 k WCLV 2 c WZOO 1 102-Zoo,	H's Mix 103.7 104.9 102.5 997-HIT	102-7 Tiffin Lorain Edgewood S	ОН ОН ОН
1406	99.7 FM GNX WWKA 92. K-92-FM k WSMR 89. Life FM WLVE 93. Smooth Jazz,	3 Orla 1 Sara 9 Miar , Love 94	isota ni Beach	FL FL	1135 1140	WMTX 1 Central O WCKY 1 k WCLV 2 c WZOO 1	H's Mix 103.7 104.9 102.5 997-HIT	102-7 Tiffin Lorain Edgewood	ОН ОН
1406	99.7 FM GNX WWKA 92. K-92-FM k WSMR 89. Life FM WLVE 93. Smooth Jazz,	3 Orla 1 Sara 9 Mian , Love 94	isota ni Beach EE NOTE 1	FL FL	1135 1140 1200	WMTX 1 Central O WCKY 1 k WCLV 2 c WZOO 1 102-Zoo,	H's Mix 103.7 104.9 102.5 997-HIT 106.9	102-7 Tiffin Lorain Edgewood S	ОН ОН ОН
1406 July 14	99.7 FM GNX WWKA 92. K-92-FM k WSMR 89. Life FM WLVE 93. Smooth Jazz,	 3 Orla 1 Sara 9 Mian Love 94 htown - S 3 Toro 	nsota ni Beach EE NOTE 1	FL FL	1135 1140 1200	WMTX 1 Central O WCKY 1 k WCLV 2 c WZOO 1 102-Zoo, WRQK	H's Mix 103.7 104.9 102.5 997-HIT 106.9	102-7 Tiffin Lorain Edgewood S	ОН ОН ОН
1406 July 14	99.7 FM GNX WWKA 92. K-92-FM k WSMR 89. Life FM WLVE 93. Smooth Jazz, Tr (TO - Dowr	3 Orla 1 Sara 9 Mian , Love 94 ntown - S 3 Toro yen at sub	nsota ni Beach EE NOTE 1 onto ourbs	FL FL	1135 1140 1200 1217	WMTX 1 Central O WCKY 1 k WCLV 1 c WZOO 1 102-Zoo, WRQK 1 Rock-107 WHK	H's Mix 103.7 104.9 102.5 997-HIT 106.9 , rap 95.5	102-7 Tiffin Lorain Edgewood S Canton Cleveland	ОН ОН ОН ОН
1406 July 14 1303	99.7 FM GNX WWKA 92. K-92-FM k WSMR 89. Life FM WLVE 93. Smooth Jazz, Tr (TO - Down unid 106. Strong OC ev VF- 106.	3 Orla 1 Sara 9 Mian , Love 94 ntown - S 3 Toro yen at sub 3 Toro	nsota ni Beach EE NOTE 1 onto ourbs onto	FL FL) ON ON	1135 1140 1200 1217 1220	WMTX 1 Central O WCKY 1 k WCLV c WZOO 1 102-Zoo, WRQK Rock-107 WHK 95-5 The	H's Mix 103.7 104.9 102.5 997-HIT 106.9 , rap 95.5 Fish, Cle	Tiffin Lorain Edgewood S Canton Cleveland eveland-Detroits	OH OH OH OH Strong
1406 July 14 1303	99.7 FM GNX WWKA 92. K-92-FM k WSMR 89. Life FM WLVE 93. Smooth Jazz, Tr (TO - Dowr unid 106. Strong OC ev	3 Orla 1 Sara 9 Mian , Love 94 ntown - S 3 Toro yen at sub 3 Toro	nsota ni Beach EE NOTE 1 onto ourbs onto	FL FL) ON ON	1135 1140 1200 1217	WMTX 1 Central O WCKY 1 k WCLV 1 c WZOO 1 102-Zoo, WRQK 1 Rock-107 WHK	H's Mix 103.7 104.9 102.5 997-HIT 106.9 , rap 95.5 Fish, Cle	Tiffin Lorain Edgewood S Canton Cleveland eveland-Detroits Elliot Lake	ОН ОН ОН ОН

1737	WKJZ 94.9 RDS: BROCK,	Hillman	MI	0937	<u>CBME</u> 88.5 Montreal PQ CBC-R-1	
1746	WLXT 96.3 Light-96	Petoskey	MI	0944	CKOI 96.9 Verdun PQ	
1751	WKLZ 98.9 KLZ	Petoskey	MI	0955	WLLG 99.3 Lowville NY The Moose 99.3/101.3 k	
1803	WVXA 96.7 NPR	Rogers City	MI	1000	WKRH 106.5 Minetto NY WKRL N-Syr, WKRH Minetto K-Rock	
2030	WIOT 104.7 (Minden)	Toledo	ОН	1001	CBOF9 88.7 Chapeau PQ Radio Canada mono	
2046	WYSS 99.5 Yes, k	Slt Ste Marie	MI	1003	CHOD 92.1 Cornwall ON	
August	1 Tr (BR)			1009	CBFX 100.7 Montreal PQ Radio Canada stereo //90.3	
0635	CBPO 88.9	Parry Sound	ON	1012	WVPS 107.9 Burlington VT c	
0638	Envir Canada, w	iping out CIRV (B	SR)	1016	WVNV 96.5 Malone NY	1
0642	CHYC 98.9	Lexington Sudbury	MI ON		Wild Country 96-5 CHECK 518-483-1100	J
0643	Chic FF-pop CBON5 101.7	Elliot Lake	ON	August	3 Tropo (BR - East Cliff)	
0655	Radio Canada m		ON	0635	WYUL 94.7 Chateauguay NY Yes-FM r EE	
	CBC-R-1 //99.9 (and not 91.5)		0646	WLTI 105.9 Syracuse NY	
0708	<u>CHNO</u> 103.9 Z-103, r	Sudbury	ON	0650	Light 105-9 CBME 88.5 Montreal PQ	
0710	CJMV 102.7 FF pop	Val d'Or	PQ		CBC-R-1 (plus some others)	
0738	WSAQ 107.1 Q-Country k	Port Huron	MI	August	5 Tropo (BR - East Cliff)	
0756	WRVF 101.5	Toledo OH	OLL	0755	CBOF6 98.1 Cornwall ON	
0800	WKSV 89.1 WKSU ID	Thompson	ОН	0756	Radio Canada mono //90.7 only WSKG 89.3 Binghamton NY	
0838	WMUZ 103.5 g, Detroits all por	Detroit werful (Minden)	MI	August	6 Es (BR)	
0850	WGRT 102.3	Port Huron	MI		, ,	
1455	WKPK 106.7 The Peak (BR)	Gaylord	MI	1023	WRMB 89.3 Boynton Bch FL g	
2342	CB 88.3 Radio Canada	L'Annonciation	PQ	1024	WKEZ 96.9 Tavernier FL Easy 96.9	
2345	CJMV 102.7 FF pop	Val d'Or	PQ	1029	WAVW 94.7 Gifford FL Wave Country 94.7 k	
2348	CFGO 104.3	Val d'Or	PQ	1036	WLVE 93.9 Miami Beach FL	
	FF r			1038	Smooth Jazz, Love 94 WEBZ 93.5 Port St. Joe FL	
August	2 Tropo (BR)			1040	93-5 The Beat WRMA 106.7 Ft Lauderdale FL	
0005	WAVC 93.9	Mio	MI		SS ballads/pop	
0818	Big Country 102. WUBJ 88.1	9 k Jamestown	NY	1042 1050	WEDR 99.1 Miami FL WHQT 105.1 Coral Gables FL	
WBFO		Jamestown	IVI	1030	Hot 105, soul/hip-hop	
0820	WFUM 91.1 Michigan Radio	Flint	MI	1051	WEAT 104.3 West Palm Bch FL Sunny 104.3	
0835	CFLG 104.5	Cornwall	ON	1053	WLYF 101.5 Miami FL	
	Variety 104 (atop	•			Light FM miami.com	
0843	WGIX 95.3	Gouverneur	NY	1056	WQBA 98.3 Goulds FL	
0859	WSNN 99.3 CIRA 91.3	Potsdam	NY BO	1057	SS LA mx	
0900	FF pop & c	Montreal	PQ	1057	WAOA 107.1 Melbourne FL 107-A1A	
0910	CBM 93.5 CBC-R-2 //94.1	Montreal	PQ	1058 1100	WBBE 101.7 Vero Beach FL WPBZ 103.1 Indiantown FL	
0915	<u>CBF</u> 95.1	Montreal Montreal events a	PQ ncts	1103	103.1 The Buzz WAKT 105.1 Panama Cy BchFL	
0927	WIII 99.9	Cortland	NY		The Cat is Kickin'	
0930	I-100 CHGO3 104.9	Mirabel	PQ	1104	WRWA 88.7 Dothan AL RDS: WRWA	
0932	FF non-CBC WNCQ 102.9	Morristown	NY	1105	WCMQ 92.3 Hialeah FL SS	
	k			1108	WFLC 97.3 Miami FL	
0935	CISM 89.3 p	Montreal	PQ	1114	WZZR 92.7 Stuart FL	

2116	unid MB's only	96.9 netwo	ork NCI (NOTE	MB E 23)	0756	CKYK FF (East	95.7 Cliff)	Alma	PQ
2119	CKLF Star FM		Brandon	MB	0750	CHLM FF r	90.7	Rouyn	PQ
2120	CFGW 94.1 The		Yorkton	SA	0813	CBCW RDS: CE	98.5 3CW	Whitney	ON
2122	CBKF5 FF	•	N Battleford	SA	0828	CITE Cite Roc	107.3 k Detente	Montreal (and other Mtl)	PQ
2124	CJRK Magic 98.		Saskatoon	SA	0832	CIMF1	88.9 tente //94	Hawkesbury	ON
2125	CKXL	91.1	Winnipeg -LA talk/mx shov	MB v)	0836	<u>WEZF</u>	92.9	Burlington 9, ABC 22 wx	VT
2128	CITI	•	Winnipeg	МВ	0857	WTCM	103.5	Traverse City	MI
2130	KMPR RDS: KMI	88.9	Minot	ND	0900	CJSS k	101.9	Cornwall	ON
2131	CFMM Power 99	99.1 FM, 7:3	Prince Albert 1 TC	SA	0930	CHOA1 FF	103.5	Amos	PQ
2135		101.5	Prince Albert	SA	0932	CHGA	97.3 XXXX (G	Maniwaki racefield)	PQ
2148	<u>CJEL</u> 93.5 The		Winkler	MB	1047	WWCM	96.9 ` blic Radic	Standish	MI
August	7 Tropo (E	BR)			August	8 Tropo (BR-East	Cliff)	
0446	WYSS Yes-FM, o		Slt Ste Marie	MI	0810	CITE1	102.7	Sherbrooke , not fully //107.3	PQ
0449	WBCM WTCM ID	93.5	Boyne City	MI	0813	CFLO FF	104.7	Mont Laurier	PQ
0453	<u>WYZN</u>	94.5	Mackinaw City Mod Rock, The	MI Zone	0815	CFGL FF r	105.7	Laval	PQ
0501	CBON5 1	101.7	Elliot Lake	ON	820	WAMC	90.3 rning Edit	Albany	NY
0507	WCMW 1	103.9	Harbor Sprgs //91.7 etc	MI	0822 0827	CKCU WBTZ	93.1 99.9	Ottawa Plattsburgh	ON NY
0521	WGFM 1 The Bear		Cheboygan	MI	0841	The Buzz		Norwood	NY
0526	<u>WTLI</u>		Bear Crk Twp The Light (g-mx	MI)	0844	Valley 96 CKON		Cornwall	ON
0547	WBNZ r	99.3	Frankfort	MI	0845			ntown Akwesasr Potsdam	
0552	WMJZ 1		Gaylord n, Oldies 101.5	MI	0850	CKUT EE	90.3	Montreal	PQ
0557		101.9	Traverse City	MI	0900	<u>CJPX</u>	99.5 assique F	Montreal	PQ
0604	CBON21 FF RC-mo	104.9	Gogama	ON	August (9 Es (BR)	•		
0609	WIAA RDS: WIA	88.7	Interlochen	MI	2040	KQSR	94.7	Oklahoma City	OK
0612	<u>CBPS</u>	90.7	Tobermory	ON		RDS: KC	SR	•	
0832	EnvCan // CBCE	97.5	Relaying	ON	2045	KRKZ RDS: Z		Altus	OK
0704	94.1 CKN WOLW		Cadillac	MI	2050			Torrington r Days mentione	
0705	g //90.5 CBSM CBC-R-1	89.5	Slt Ste Marie	ON	2109 KKNG	KKNG OK's clas	93.3 ssic coun	Ada try stn Country 9	OK 3
	350 K I				10				

NOTE 1: Local DXers suspect the strong open carrier on 106.3, which is still there as of early August, is Industry Canada (the technical regulator) testing a potentially available frequency. The Molson Indy special event station still made it through, downtown.

NOTE 2: The NCI station in Manitoba is one of about a dozen or more per their web site. I am not sure how I will count this. It's VERY low power – less than 50 watts I believe. A bunch of stations from this western Canada opening are fairly new-to-air, some as recently as this spring and summer.

Not much Es on FM this summer, though as of early August tropo seems to finally be happening.

73s, Saul

Morris Sorensen 16-1780 Main St. Winnipeg, MB R2V 2A1 Receivers: Realistic DX-392 with whip, Grundig YB-400 with whip

Times (CDT			4000	1/D)/// 00.4	Б	
May 31	2001 Es		1300 note "a	KBYU 89.1 =approximate tim	Provo e	UT	
2313	UNID 88.7 "K-Love" Christia	ın my (several lis	June 2	9 tropo			
luna 23	2 Tropo	iii iiix (oovolal iio	0957	KNDK 95.7	Langdon	ND	
Julie 22	г поро			July 1	Tropo		
2325	KKEQ 107.1 Q-107	Fosston	MN	2200	KZZY 103.5	Devil's Lake	ND
2345	KSNR 100.3 Kool 100.3	Thief River Fall	IsMN	2230	CBQH 100.9	Dryden	ON
2352	KKZY 95.5	Bemidji	MN	July 3	groundwave		
June 23	3 Tropo			2124	KYTZ 106.7 Z-106.7 adult co	Walhalla ontemporary, Call	ND l/format
1055	KMPR 88.9	Minot	ND				
1057	KUND 89.3	Grand Forks	ND	July 17	change from KA 7 Es	UJ-oldies	
June 27	7 Tropo			2111	KEFH 99.3	Clarendon	TX
0959	CKSB-9 89.1	Fort Frances	ON		1050 mi N	Olarchidon	
	French			2124	KNEV 95.5 1319 mi N	Reno	NV
June 28	8th Es						
1022	KNAU 88.7	Flagstaff	AZ	July 18	3 tropo		
1025	KNMI 88.9 Vertical Radio	Farmington	NM	0559	CBQX 98.7 124 mi N	Kenora	ON
1057	KSYE 91.5	Frederick	OK				
4050	dual ID with KCI		TV	July 19	e tropo		
1058 1130	KGNZ 88.1 KXFF 92.5	Abilene Cedar City	TX UT	2108	CBWW 105.3	Baldy MtDau	phin MB
	new on air menti	oned 102.3			N MB#29		
1155	(translator?)The KULL 92.5	Fox Abilene	TX	July 24	1 tropo		
1100	Kool-92	Abliche	17	1000	KEYA 88.5	Belcourt	ND
1200a 1230a	KUER 90.1 KXTQ 93.7	Salt Lake City Lubbock	UT TX		139 mi		
1000	Club Magic	01	14/1/	July 30) tropo		
1230a	KYTI 93.7 The Coyote	Sheridan	WY				
	MN	210 mi		1003	KCDD 90.3	Moorhead	
1007	KFJM 90.7	Grand Forks	ND		137 mi N		
1018	KKWS 105.9	Wadena	MN		256 mi N	_	
1030	KIKV 99.7	Alexandria	MN		290 mi "100.7Kick		
1037 1042	KFNW 97.9 KJJK-FM	Fargo Fergus Falls	ND MN		209 mi N "Light 9" 255mi N "KJ Cou		
		-				-	

Rick Shaftan Sparta NJ shaftan@ptd.net
Equipment: Realistic STA-2280; Conrad RDS Manager; Two APS 14s
Stagger stacked with two FM 13s July 13 Es New w/@. First # at end is mileage. Second is bearing.

1304	????	88.9			Low in the 70s on 89 South
1357	WYPL	89.3	Memphis	TN	RDS 925 251d
1358	KOMA	92.5	Oklahoma City	OK	Calls 1290 261d
1405	KETR	88.9	Commerce	TX	"in Commerce, Texas" 1285 253d
1410	@KVNE	89.5	Tyler	TX	Encouragement FM 1276 250d
1415	????	89.3			89.3 Family FM. Hi 80, Lo 63, Sat
1122	????	92.1			R&R Used Parts on Swap and Shop show

July 14 Es

4004				
1201	WRWA 88.7	Dothan	AL	RDS BA02 912 226d
1204	@WKGC 90.7	Panama City	FL	Brought to you by Glenn's BBQ of
		Pensa	acola	974 224d
1205	@WPSM 91.1	Ft Walton Bch	FL	91.1 WPSM 991 226d
1207	???? 88.3			Black Gospel
1208	???? 90.1			RDS EEEE
1209	???? 89.9			Sports Spectrum, Houston mention
1210	WTIX 94.3	Galliano	LA	Louisiana One Call Ad, WTIX
				Jingle 1163 231d
1212	WKSJ 94.9	Mobile	AL	95 KSJ 1020 229d
1215	@WTVY 95.5	Dothan	AL	Dothan's Country WTVY 896 225d
1216	WPAP 92.5	Panama City	FL	Gulf Coast's Country Leader 945 223d
1218	WRLD 95.3	Valley	AL	Boomer 95.3 807 230d
1219	@WMXA 96.7	Opelika	AL	WMXA Auburn-Opelika 831 229d
1220	@WTKE 98.1	Andalusia	AL	RDS says 98.3 WLNH but PI is 87DC
				ESPN Radio 965 228d
1220	@WMAX 98.1	Hogansville	GA	Ashley Home Store in La Grange.
				RDS WMAX-FM PI 746F 790 230d
1221	@WAGH 98.3	Fort Mitchell	AL	JW Jones Funeral Home ad 829 228d
1226	WBAM 98.9	Montgomery	AL	New sound of Star 98.9 877 230d
1227	???? 99.1			Dixie Chix
1227	???? 99.3			Country
1227	@WGSY100.1	Phenix City	AL	Sunny 100 820 228d
1228	@WAOQ100.3	Brantley	AL	At the Intersection of Hwy 331 and 10 in
		•		Luverne, Alabama 909 229d
1228	@WNCV100.3	Niceville	FL	From Coast 100 992 226d
1228	???? 100.9			from our friends at Epic Nashville, with
				more of your kind of country
1229	@WBFA 101.3	Smiths	AL	B101, Top 40 830 228d
1229	@WTKX 101.5		FL	RDS TK-101 PI 87EF 1019 229d
1230	WXBM 102.7		FL	Fort Walton, Destin and the Gulf
				Coast's best selection of golf equipment
		1019	229d	gen e darkanen
1231	@WVRK 102.9		GA	Rock 103 821 227d
1231	???? 102.9			North Lake Auto Complex, Allen? Pkwy
1233	@WFSH104.7	Athens	\sim \wedge	· · · · · · · · · · · · · · · · · · ·
			GA	104.7 THE FISH 700 2290
1233			GA GA	104.7 The Fish 705 229d Woman in car ad . off of Fox Road off of
1233	@WFXE104.9	Columbus	GA	Woman in car ad , off of Fox Road off of
1233		Columbus	GA	
	@WFXE104.9	Columbus 823	GA 228d	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports.
1233 1234		Columbus	GA	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle
1234	@WFXE104.9 WDWG 104.9	Columbus 823 Moss Point	GA 228d MS	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d
	@WFXE104.9	Columbus 823	GA 228d	Woman in car ad, off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone
1234 1236	@WFXE104.9 WDWG 104.9 WLTS 105.3	Columbus 823 Moss Point Kenner	GA 228d MS LA	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d
1234	@WFXE104.9 WDWG 104.9	Columbus 823 Moss Point	GA 228d MS	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd
1234 1236	@WFXE104.9 WDWG 104.9 WLTS 105.3	Columbus 823 Moss Point Kenner	GA 228d MS LA	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in
1234 1236 1237	@WFXE104.9WDWG 104.9WLTS 105.3WZHT 105.7	Columbus 823 Moss Point Kenner	GA 228d MS LA	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery.
1234 1236 1237 ClearCh	@WFXE104.9 WDWG 104.9 WLTS 105.3 WZHT 105.7	Columbus 823 Moss Point Kenner Troy	GA 228d MS LA AL	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d
1234 1236 1237	@WFXE104.9WDWG 104.9WLTS 105.3WZHT 105.7	Columbus 823 Moss Point Kenner Troy	GA 228d MS LA	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d Blimpie at 1129 North Bypass in Andalusia,
1234 1236 1237 ClearCh 1238	@WFXE104.9 WDWG 104.9 WLTS 105.3 WZHT 105.7 nannel @WFXX 107.7	Columbus 823 Moss Point Kenner Troy Georgiana	GA 228d MS LA AL	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d Blimpie at 1129 North Bypass in Andalusia, Dodge Store, Hwy 231 937 229d
1234 1236 1237 ClearCh 1238 1239	@WFXE104.9 WDWG 104.9 WLTS 105.3 WZHT 105.7 mannel @WFXX 107.7 WYCL 107.3	823 Moss Point Kenner Troy Georgiana Pensacola	GA 228d MS LA AL FL	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d Blimpie at 1129 North Bypass in Andalusia, Dodge Store, Hwy 231 937 229d RDS PI 9447 1007 229d
1234 1236 1237 ClearCh 1238 1239 1244	@WFXE104.9 WDWG 104.9 WLTS 105.3 WZHT 105.7 mannel @WFXX 107.7 WYCL 107.3 @WQLD104.3	Renner Troy Georgiana Pensacola Luverne	GA 228d MS LA AL FL AL	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d Blimpie at 1129 North Bypass in Andalusia, Dodge Store, Hwy 231 937 229d RDS PI 9447 1007 229d Oldies ad for Alabama 300 Plan 893 229d
1234 1236 1237 ClearCh 1238 1239	@WFXE104.9 WDWG 104.9 WLTS 105.3 WZHT 105.7 mannel @WFXX 107.7 WYCL 107.3	823 Moss Point Kenner Troy Georgiana Pensacola	GA 228d MS LA AL FL	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d Blimpie at 1129 North Bypass in Andalusia, Dodge Store, Hwy 231 937 229d RDS PI 9447 1007 229d Oldies ad for Alabama 300 Plan 893 229d Oldies for the Deep South, Solid
1234 1236 1237 ClearCh 1238 1239 1244 1246	@WFXE104.9 WDWG 104.9 WLTS 105.3 WZHT 105.7 mannel @WFXX 107.7 WYCL 107.3 @WQLD104.3 @WPFL 105.1	Renner Troy Georgiana Pensacola Luverne Century	GA 228d MS LA AL AL FL AL FL	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d Blimpie at 1129 North Bypass in Andalusia, Dodge Store, Hwy 231 937 229d RDS PI 9447 1007 229d Oldies ad for Alabama 300 Plan 893 229d Oldies for the Deep South, Solid Gold 105.1 WPFL 996 229d
1234 1236 1237 ClearCh 1238 1239 1244 1246 1251	@WFXE104.9 WDWG 104.9 WLTS 105.3 WZHT 105.7 mannel @WFXX 107.7 WYCL 107.3 @WQLD104.3 @WPFL 105.1 @WKMX106.7	Renner Troy Georgiana Pensacola Luverne Century Enterprise	GA 228d MS LA AL AL FL AL FL AL	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d Blimpie at 1129 North Bypass in Andalusia, Dodge Store, Hwy 231 937 229d RDS PI 9447 1007 229d Oldies ad for Alabama 300 Plan 893 229d Oldies for the Deep South, Solid Gold 105.1 WPFL 996 229d Ad for Alabama 300 Plan 914 227d
1234 1236 1237 ClearCh 1238 1239 1244 1246	@WFXE104.9 WDWG 104.9 WLTS 105.3 WZHT 105.7 mannel @WFXX 107.7 WYCL 107.3 @WQLD104.3 @WPFL 105.1	Renner Troy Georgiana Pensacola Luverne Century	GA 228d MS LA AL AL FL AL FL	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d Blimpie at 1129 North Bypass in Andalusia, Dodge Store, Hwy 231 937 229d RDS PI 9447 1007 229d Oldies ad for Alabama 300 Plan 893 229d Oldies for the Deep South, Solid Gold 105.1 WPFL 996 229d Ad for Alabama 300 Plan 914 227d RDS 56D1. Good Times and Great
1234 1236 1237 ClearCh 1238 1239 1244 1246 1251 1252	@WFXE104.9 WDWG 104.9 WLTS 105.3 WZHT 105.7 MARINE 107.7 WYCL 107.3 @WQLD104.3 @WPFL 105.1 @WKMX106.7 @WAVH106.5	Renner Troy Georgiana Pensacola Luverne Century Enterprise Daphne	GA 228d MS LA AL AL AL FL AL AL AL	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d Blimpie at 1129 North Bypass in Andalusia, Dodge Store, Hwy 231 937 229d RDS PI 9447 1007 229d Oldies ad for Alabama 300 Plan 893 229d Oldies for the Deep South, Solid Gold 105.1 WPFL 996 229d Ad for Alabama 300 Plan 914 227d RDS 56D1. Good Times and Great Oldies on Oldies106 1032 231d
1234 1236 1237 ClearCh 1238 1239 1244 1246 1251	@WFXE104.9 WDWG 104.9 WLTS 105.3 WZHT 105.7 mannel @WFXX 107.7 WYCL 107.3 @WQLD104.3 @WPFL 105.1 @WKMX106.7	Renner Troy Georgiana Pensacola Luverne Century Enterprise	GA 228d MS LA AL AL FL AL FL AL	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d Blimpie at 1129 North Bypass in Andalusia, Dodge Store, Hwy 231 937 229d RDS PI 9447 1007 229d Oldies ad for Alabama 300 Plan 893 229d Oldies for the Deep South, Solid Gold 105.1 WPFL 996 229d Ad for Alabama 300 Plan 914 227d RDS 56D1. Good Times and Great Oldies on Oldies106 1032 231d ads for apts off the beach in Biloxi. "Get
1234 1236 1237 ClearCh 1238 1239 1244 1246 1251 1252	@WFXE104.9 WDWG 104.9 WLTS 105.3 WZHT 105.7 MARINE 107.7 WYCL 107.3 @WQLD104.3 @WPFL 105.1 @WKMX106.7 @WAVH106.5	Renner Troy Georgiana Pensacola Luverne Century Enterprise Daphne	GA 228d MS LA AL AL AL FL AL AL AL	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d Blimpie at 1129 North Bypass in Andalusia, Dodge Store, Hwy 231 937 229d RDS PI 9447 1007 229d Oldies ad for Alabama 300 Plan 893 229d Oldies for the Deep South, Solid Gold 105.1 WPFL 996 229d Ad for Alabama 300 Plan 914 227d RDS 56D1. Good Times and Great Oldies on Oldies106 1032 231d ads for apts off the beach in Biloxi. "Get Ready Mississispi!" Classic Rock 105.9
1234 1236 1237 ClearCh 1238 1239 1244 1246 1251 1252 1253	@WFXE104.9 WDWG 104.9 WLTS 105.3 WZHT 105.7 MARCH 107.3 @WFXX 107.7 WYCL 107.3 @WQLD104.3 @WPFL 105.1 @WKMX106.7 @WAVH106.5 WXRG 105.9	Renner Troy Georgiana Pensacola Luverne Century Enterprise Daphne	GA 228d MS LA AL AL AL FL AL AL AL	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d Blimpie at 1129 North Bypass in Andalusia, Dodge Store, Hwy 231 937 229d RDS PI 9447 1007 229d Oldies ad for Alabama 300 Plan 893 229d Oldies for the Deep South, Solid Gold 105.1 WPFL 996 229d Ad for Alabama 300 Plan 914 227d RDS 56D1. Good Times and Great Oldies on Oldies106 1032 231d ads for apts off the beach in Biloxi. "Get Ready Mississippi!" Classic Rock 105.9 1078 232d
1234 1236 1237 ClearCh 1238 1239 1244 1246 1251 1252 1253	@WFXE104.9 WDWG 104.9 WLTS 105.3 WZHT 105.7 MARCH 107.7 WYCL 107.3 @WQLD104.3 @WPFL 105.1 @WKMX106.7 @WAVH106.5 WXRG 105.9 ???? 105.9	Renner Troy Georgiana Pensacola Luverne Century Enterprise Daphne Pascagoula	GA 228d MS LA AL AL AL FL AL AL AL MS	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d Blimpie at 1129 North Bypass in Andalusia, Dodge Store, Hwy 231 937 229d RDS PI 9447 1007 229d Oldies ad for Alabama 300 Plan 893 229d Oldies for the Deep South, Solid Gold 105.1 WPFL 996 229d Ad for Alabama 300 Plan 914 227d RDS 56D1. Good Times and Great Oldies on Oldies106 1032 231d ads for apts off the beach in Biloxi. "Get Ready Mississippi!" Classic Rock 105.9 1078 232d Country
1234 1236 1237 ClearCh 1238 1239 1244 1246 1251 1252 1253	@WFXE104.9 WDWG 104.9 WLTS 105.3 WZHT 105.7 MARCH 107.3 @WFXX 107.7 WYCL 107.3 @WQLD104.3 @WPFL 105.1 @WKMX106.7 @WAVH106.5 WXRG 105.9	Renner Troy Georgiana Pensacola Luverne Century Enterprise Daphne Pascagoula Ocean Springs	GA 228d MS LA AL AL AL FL AL AL MS	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d Blimpie at 1129 North Bypass in Andalusia, Dodge Store, Hwy 231 937 229d RDS PI 9447 1007 229d Oldies ad for Alabama 300 Plan 893 229d Oldies for the Deep South, Solid Gold 105.1 WPFL 996 229d Ad for Alabama 300 Plan 914 227d RDS 56D1. Good Times and Great Oldies on Oldies106 1032 231d ads for apts off the beach in Biloxi. "Get Ready Mississispipi!" Classic Rock 105.9 1078 232d Country Keys for Kids from CBH Ministries. You are
1234 1236 1237 ClearCh 1238 1239 1244 1246 1251 1252 1253	@WFXE104.9 WDWG 104.9 WLTS 105.3 WZHT 105.7 MARCH 107.7 WYCL 107.3 @WQLD104.3 @WPFL 105.1 @WKMX106.7 @WAVH106.5 WXRG 105.9 ???? 105.9	Renner Troy Georgiana Pensacola Luverne Century Enterprise Daphne Pascagoula Ocean Springs listeni	GA 228d MS LA AL	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d Blimpie at 1129 North Bypass in Andalusia, Dodge Store, Hwy 231 937 229d RDS PI 9447 1007 229d Oldies ad for Alabama 300 Plan 893 229d Oldies for the Deep South, Solid Gold 105.1 WPFL 996 229d Ad for Alabama 300 Plan 914 227d RDS 56D1. Good Times and Great Oldies on Oldies106 1032 231d ads for apts off the beach in Biloxi. "Get Ready Mississispi!" Classic Rock 105.9 1078 232d Country Keys for Kids from CBH Ministries. You are e Gospel Giant WOSM Ocean
1234 1236 1237 ClearCh 1238 1239 1244 1246 1251 1252 1253	@WFXE104.9 WDWG 104.9 WLTS 105.3 WZHT 105.7 MARCH 107.7 WYCL 107.3 @WQLD104.3 @WPFL 105.1 @WKMX106.7 @WAVH106.5 WXRG 105.9 ???? 105.9 WOSM 103.1	Renner Troy Georgiana Pensacola Luverne Century Enterprise Daphne Pascagoula Ocean Springs listeni	GA 228d MS LA AL AL AL FL AL AL MS	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d Blimpie at 1129 North Bypass in Andalusia, Dodge Store, Hwy 231 937 229d RDS PI 9447 1007 229d Oldies ad for Alabama 300 Plan 893 229d Oldies for the Deep South, Solid Gold 105.1 WPFL 996 229d Ad for Alabama 300 Plan 914 227d RDS 56D1. Good Times and Great Oldies on Oldies106 1032 231d ads for apts off the beach in Biloxi. "Get Ready Mississippi!" Classic Rock 105.9 1078 232d Country Keys for Kids from CBH Ministries. You are e Gospel Giant WOSM Ocean
1234 1236 1237 ClearCh 1238 1239 1244 1246 1251 1252 1253	@WFXE104.9 WDWG 104.9 WLTS 105.3 WZHT 105.7 MARCH 107.7 WYCL 107.3 @WQLD104.3 @WPFL 105.1 @WKMX106.7 @WAVH106.5 WXRG 105.9 ???? 105.9	Renner Troy Georgiana Pensacola Luverne Century Enterprise Daphne Pascagoula Ocean Springs listeni	GA 228d MS LA AL	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d Blimpie at 1129 North Bypass in Andalusia, Dodge Store, Hwy 231 937 229d RDS PI 9447 1007 229d Oldies ad for Alabama 300 Plan 893 229d Oldies for the Deep South, Solid Gold 105.1 WPFL 996 229d Ad for Alabama 300 Plan 914 227d RDS 56D1. Good Times and Great Oldies on Oldies106 1032 231d ads for apts off the beach in Biloxi. "Get Ready Mississippi!" Classic Rock 105.9 1078 232d Country Keys for Kids from CBH Ministries. You are e Gospel Giant WOSM Ocean
1234 1236 1237 ClearCh 1238 1239 1244 1246 1251 1252 1253	@WFXE104.9 WDWG 104.9 WLTS 105.3 WZHT 105.7 MARCH 107.7 WYCL 107.3 @WQLD104.3 @WPFL 105.1 @WKMX106.7 @WAVH106.5 WXRG 105.9 ???? 105.9 WOSM 103.1	Renner Troy Georgiana Pensacola Luverne Century Enterprise Daphne Pascagoula Ocean Springs listeni	GA 228d MS LA AL	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d Blimpie at 1129 North Bypass in Andalusia, Dodge Store, Hwy 231 937 229d RDS PI 9447 1007 229d Oldies ad for Alabama 300 Plan 893 229d Oldies for the Deep South, Solid Gold 105.1 WPFL 996 229d Ad for Alabama 300 Plan 914 227d RDS 56D1. Good Times and Great Oldies on Oldies106 1032 231d ads for apts off the beach in Biloxi. "Get Ready Mississippi!" Classic Rock 105.9 1078 232d Country Keys for Kids from CBH Ministries. You are e Gospel Giant WOSM Ocean 11d support is also provided by Miller Terrace Convention Center with
1234 1236 1237 ClearCh 1238 1239 1244 1246 1251 1252 1253	@WFXE104.9 WDWG 104.9 WLTS 105.3 WZHT 105.7 MARCH 107.7 WYCL 107.3 @WQLD104.3 @WPFL 105.1 @WKMX106.7 @WAVH106.5 WXRG 105.9 ???? 105.9 WOSM 103.1	Renner Troy Georgiana Pensacola Luverne Century Enterprise Daphne Pascagoula Ocean Springs listeni	GA 228d MS LA AL	Woman in car ad , off of Fox Road off of Macon Road right onto. Q Auto Sports. Classic Country 104, we go all out. Merle Haggard 1053 231d Today's Best Music is on 105.3 The Zone 1147 234d Gospel Explosion on Sunday July 22nd at Robert E. Lee High School at 3 pm in Montgomery AL(at 1359) WZHT Troy-Montgomery. Communications Station. 893 229d Blimpie at 1129 North Bypass in Andalusia, Dodge Store, Hwy 231 937 229d RDS PI 9447 1007 229d Oldies ad for Alabama 300 Plan 893 229d Oldies for the Deep South, Solid Gold 105.1 WPFL 996 229d Ad for Alabama 300 Plan 914 227d RDS 56D1. Good Times and Great Oldies on Oldies106 1032 231d ads for apts off the beach in Biloxi. "Get Ready Mississippi!" Classic Rock 105.9 1078 232d Country Keys for Kids from CBH Ministries. You are e Gospel Giant WOSM Ocean

					reveals the Morona Terrace Convention
1300	WELL	88.7	Dadeville	AL	Center with similar facilities in Madison WI. 88.7 The Well Jingle. The Music Mix That Ministers, FM 88.7 Where
1301 1302 1305	WLWI-FN @WTSU WPCS		Birmingham Montgomery Pensacola	AL AL FL	we do it well. WRWA also in. 833 230d On 92 WLWI, Country 872 231d RDS. Didn't note the PI 883 229d Always take Rejoice Radio with you for Great Christian Music 1019 229d
1308	WQCK	92.7	Clinton	LA	Auto repair located on Coursey Boulevard
1310	@WMEZ	94.1	Pensacola	FL	1153 238d Soft Rock 94.1 Pensacola's At Work Radio Station 1019 229d
1310 1310 1310	???? @WSFU @WTBF	94.1 94.1 94.7	Union Springs Brundidge	AL AL	Rap Black Gospel 872 229d I'm talking about giving to the Pike County United Way through payroll deductions 900 228d
1310	WTKL	95.7	New Orleans	LA	Your Favorite Goodtime Oldies on Cool 95.7 1153 234d
1318 1320 1320	@WZNS @WHTA WKKR		Ft Walton Bch Fayetteville Auburn	FL GA AL	Z 96 Today's Hottest Music 992 226d Hot 97.5 753 230d on Interstate 85 in Alabama, 97.7 The Kicker 831229d
1322 1323	WTYL WDGL	97.7 98.1	Tylertown Baton Rouge	MS LA	Ace Hardware in Tylertown 1009 236d Riverside Centerplex, Your Classic Rock
1323	WDLT	98.3	Chickasaw	AL	Station Eagle 98.1 1182 237d There are a lot of people depend on Alabama Power for Smooth 98.3 The best variety of hits and oldies. I'm Beverly
1325	@WELR	102.3	Roanoke	AL	McDowell. 1047 231d Travis Tritt and RDS WELR PI A667
1330	@WKNN	99.1	Pascagoula	MS	through local WSUS 806 230d Shania Twain. K99. Today's
1332	WFMF 1	102.5	Baton Rouge	MS	Best Country 1070 232d Today's Hit Music on the new WFMF
1334	???? 1	106.9	1184	237d	Country classics: Southern Lovin',
1337	@WBFZ(t	1)105.3	Selma	AL	Lookin at the world through a windshield. You need to see Mrs. West 205-752-4470 on Hwy 69 South of Tuscaloosa. Station listed as new and a little far from Tuscaloosa. This ad indicates that this
1339	@WKHC	104.3	Dahlonega	GA	station is now on and seemingly with blackoriented format. 922 233d Georgia Weather. Yesterday's High was 84. Lows hi 50s to 60s. Tired of heading the same songs over and over again104.3 Dahlonega 686 232d
1340	WRQO 1		Monticello	MS	Christian Country 1080 238d
1341 1345		100.9 101.7	Selma Gluckstadt	AL MS	101 WALX 902 232d North Park Mall, County Line Road, Ridgeland. New Sound of Y-101. We're here today at East Ford on Hwy 80. 1044 239d
1350	WFFN	95.3	Cordova	MS	Express Flowers and Wholesalers on 19th Street West. Jasper Mobile Home on
1353	WMXS 1	103.3	Montgomery	AL	Hwy 78. 850 238d McGee Rd and the Eastern Bypass. I'm Lou Dobbs. Catch me every afternoon at
1356 1358 1359	???? WAPR @WMBU	97.7 88.3 89.1	Selma Forest	AL MS	4:50 on Mix 103 872 231d Part of the best country around PRI FM 88.3 WAPR Selma 908 231d We invite you to visit our website wmbu.org or PO Box 400, Lake Mississippi, 39092 1010 238d
1400 1400 1401	WMPR	89.3 89.3 89.9	Carrollton Baton Rouge Jackson	AL LA MS	WALN in mix. 914 238d WRKF in mix 1181 237d WMPR in Brookhaven, MS 1049 238d
1404 1408	???? WAZA 1	91.5 107.7	Liberty	MS	Gospel Music Oldies Radio Boomer 107.7 1121 239d

1410 1413	@WZRB KQIS	104.5 102.1	Jackson Basile	LA LA	The New 104.5 FM WZRB 1169 238d No Rap. No Grunge. An upbeat mix of today's hits & yesterday's favorites. Kiss 102.1 1246 238d
1418 1420 1423	KSMB @KRQQ KJEF	94.5 95.5 92.9	Lafayette Lafayette Jennings	LA LA LA	RDS A4C1 1226 239d Rap, Q-95.5 1225 239d Marshland Festival. Cameron State Bank 1268 239d
1427 1433 1435 1445	???? @KAQE WQST @KAYT	93.9 89.3 92.5 88.1	St. Martinville Forest Jena	LA MS LA	Nat King Cole, prob needed KFAD worldviewweekend.com, AFR 1231 238d Today's Christian Music 1011 238d Black Gospel: KAYT 88.1 FM Jenalexandria 1188 242d
1449 1517 1516	???? ???? ????	91.3 89.1 90.9			CI //88.7 Gospel Highs only 85-90, lows in the 60s, lower 70s near the coast. Lafayette LA?
1520	????	89.9			Family Radio
July 16	Es				
1224 1226 1227 1227 1234 1235 1236		95.7 95.3 94.3 93.3 98.7 100.1 100.9	Minden East Camden Leland Houston Bastrop West Point	LA AR MS MS LA MS	LA Farm Bureau ad 1179 247d RDS 17B6 KCXY Y-95 1122 249d You're listening to WBAD 94.3 1039 245d RDS 86A4 Sunny 93 927 242d Shania Twain 100.1 The Beat 1112 245d Ad for Prairie Livestock, Voice of the Golden
1237	@WJOR	101.5 S	t. Joseph	TN	Triangle, WKBB, West Point 923 241d 2 miles East of Lawrenceburg on Hwy 64,
1239	KNOE	101.9	Monroe	LA	Chads Family Restaurant in Collinwood 724-2423 813 244d Contest involving converting words from rotary phone numbers asking people to call into a # that ended in 8102. 1139 244d
1240 1242 1246	???? @WKGL WUSJ	102.9 97.7 96.3	Russellville Jackson	AL MS	ad for suncom1.com Oldies 97 KGL 837 242d There's only one country in Jackson 1063 240d
1247 1249	KVKI ????	96.5 96.9	Shreveport	LA	Ad for Brooks and Dunn show 1208 247d Rednecks on air talking. Probably WTCD
1249	WFMN	97.3	Flora	MS	Discussion on directions to Columbia & whether to go thru Mindenhall 1045 239d
1250 1252	WWMS ????	97.5 97.7	Tupelo	MS	Miss 98 Today's Best Country 923 244d Crocodile Rock. Promo by Century BMW of Univ Drv in Huntsville, seems far for WKGL
1252 1253	KPCH KWCL	97.7 96.7	Dubach Oak Grove	LA LA	Preaus Motor Co /Farmerville 1146 246d Oldies 96.7, mention of Hwy 17 South 1078 244d
1255	KTUX	98.1	Carthage	TX	RDS PI 444B. Shreveport's Rock Station 1223 248d
1256	????	99.1			Performance by the Youth of Greenville at Summerfest. Tickets will be sold by cast members at the usual locationsThen gave a bunch of dates including some from last week.
1300 1301	WAFR ????	88.3 89.3	Tupelo	MS	RDS 553B 891 244d Wx: Hi 90-95, Lo 70s, Hi tomorrow 90-95. AFR. Prob WATU Port Gibson relog
1302	WMPR	90.1	Jackson	MS	Promo for the Eureka Springs Pageant. Area Code 601110 1049 238d
1310	KSLU	90.9			Hammond LA Promo w/ # 504-895-0700 1143 236d
1630 1632 1634 1637 1638 1640	KESD ???? @KCND KBPR @KDSD KRSU	90.7 90.9 91.3	Brookings Bismarck Brainerd Pierpoint Appleton	SD ND MN SD MN	PI 1C67 1165 288d CST. Classical. Prob needed KRSW PI 169D 1396 296d PI 143B 1053 298d PI 19C3 1194 293d PI 39CC 1110 292d
1642	@KJMK	93.9	Webb City	MO	PI 2906 1093 262d

1644	KDKK	97.5	Park Rapids	MN	The Music of Your Life pauses and we will be right back with Barbra and Frank
1645 1645 1647 1655	KFNW @KYNU KKCK KMUW	97.9 98.3 99.7 89.1	Fargo Carrington Marshall Wichita	ND ND MN KS	1087 300d Religion 1188 299d PI A5C6 1275 298d PI 2AA6 1120 289d Mention of Stafford High School. Mayor
1656 1656	KJTY KXCV	88.1 90.5	Topeka Maryville	KS MO	Alan Baker 1227 268d Joy 88 1114 271d You're listening to Choice FM, KXCV Maryville 1058 274d
1657 1701 2048 2048 2050	KHCD KKFI KAYT KAXF @KSWP	89.5 90.1 88.1 88.3 90.9	Salina Kansas City Jena Conroe Lufkin	KS MO LA TX TX	Pacifica Network News 1206 271d on KKFI. 1255 270d Cajun mx 1188 242d PI 125B 1365 245d www.mops.org. 90.9 KSWP with weather
2051	@KANJ	91.5	Giddings	TX	1294 246d PI 115B. Thought it was a partial (see last x
2055	KMBV	92.5	Navosta	TX	RDS PI) Had Insight for Living 1450 246d You're listening Houston Astros Baseball on KMBV Navosta-Bryan-College Station
2056 2058	KLDN KYFL	88.9 89.5	Lufkin Monroe	TX LA	1403 246d 88.9 FM in Lufkin 1298 246d KYFL Monroe, a listener supported Christian station 1128 245d
2110	@K201E	U88.1	Katy	TX	Phone 956-781-5528. Thought I had McAllen TX at first 1417 244d
2111	KAYT	88.1	Jena	LA	The 70,000 watt powerhouse
July 17	Es				1100 2424
2105 2110 2111	KABF WYPL KDQN	88.3 89.3 92.1	Little Rock Memphis DeQueen	AR TN AR	Arkansas Travelers Baseball 1060 252d PI 9599 925 251d PI 1999 1169 253d Co. TN, most likely suspect
2115	@KOKR	96.7	Newport	AR	RDS 360D. B?96.7. Northeast Arkansas' Best Country 986 253d
July 21	Es				
1926 1948 1950 1951	KMXJ KABF @WGCF KZLE	95.9 88.3 89.3 93.1	Sallisaw Little Rock Paducah Batesville	OK AR KY AR	Big Dog 95.9 1152 257d Travelers Baseball 1060 252d Calls, local promo 811 256d 93.1 The Max 987 254d
July 21	– 22 Trop	0			
2030 0015 0021	@W220C W220AE @WWCJ	91.9	Carbondale Lawrenceville	PA NJ	Lifetalk Radio 57 310d WRDV, 9 watts 51 184d Presumed Cape May // WWFM with peak in signal towards Cape May 137 184d
0051	@WOCM	1 98.1	Selbyville	MD	Dedicated to making a difference, Ocean 98, WOCM 182 188d
0110	@WRVN	91.9	Utica	NY	BBC World Service 149 348d

wtfda://online

A Dxing Journey through the Internet

Saul Chernos 57 Berkeley Street Toronto, ON M5A 2W5 CANADA schernos@sympatico.ca

SOLVING UNIDS

After an average summer Es season, we should hopefully be well into a halfway decent fall tropo season. If decent tropo has materialized, then it's highly likely many of you have unidentified DX.

Of course, no serious DXer should do without Bruce Elving's FM Atlas and Doug Smith's WTFDA TV Station Guide. Both are the bibles of North American VHF-UHF broadcast station directories and are as vital to successful DX as a decent receiver. They are convenient to carry in the car or browse through while DXing, and the station maps are unparalleled even on the Web.

However, paper-based directories do become dated after awhile, or fall apart at the seams from over-use. With the Internet, data is constantly being refreshed.

So, this month, we go surfing around the World Wide Web to find a galaxy of resources that can help DXers solve unIDs.

We would be remiss if we didn't start out with the WTFDA's own web site: http://anarc.org/wtfda

As you might be able to tell, the WTFDA's site is hosted through the Association of North American Radio Clubs. So you can visit ANARC's site, as well, by simply typing: http://www.anarc.org

Back to the WTFDA site. Bookmark this thing. It's got links to all kinds of resources and is VHF-UHF Central for finding the key DX web sites.

Within the WTFDA site, separate categories take you to:

- * TV DXing resources such as Ryan Grabow's VHF TV logo gallery, Doug Smith's regularly-updated TV Station database, the FCC database, and many other goodies.
- * FM DXing resources such as 100,000watts.com, which is kind of like an online FM Atlas, and the Caribbean FM List, to name just a few.
- * Other resources such as web sites for broadcast regulatory bodies such as the FCC and CRTC, DX resources such as Bill Hepburn's tropospheric ducting forecasts (which can also give you an idea of where your tropo DX was coming from, after-the-fact), and other gems, including a telephone area-code search.

While the WTFDA web page is a useful place to start, DXers should ultimately determine their own favourites. Sites that work for them.

Blue Bell PA DXer Russ Edmunds checks in this month with a few recommendations – Thank you, Russ! My own observations regarding these sites are included, and this month we'll stick to Canada and the U.S

Want detailed information about radio stations? Check out http://www.arbitron.com/radio_stations/home.htm for Arbitron. Go to Station Information and enter call letters of a radio station and you can often pull up all kinds of data, including format, show hosts and syndicated programming – if the station has filed it with Arbitron.

Elliott Broadcast Services Radio Station Info Page is at http://www.radiostation.com and lets you search for FM (and AM) stations by frequency, call letters or location. You can also use a key phrase, but the site is limited to technical and ownership information, rather than programming.

Here's an oddball site that might help: Key in **http://www.nga.org** for a searchable list of U. S. governors – useful if you catch a local reference to one.

Next, Bellevue NE DXer Matt Sittel offers a few of his faves:

To find clickTV, enter **http://www.clicktv.com** and type in a zip code relevant to the area for which you want the listings. Matt says he uses it extensively, but needs to refer to a zip-code directory. "The listings are very accurate; better than TV Guide, and have plenty of LPTVs and stuff TV Guide doesn't list," Matt reports.

Want to look up a business advertised on an unID station? Try the following searchable Internet telephone directories. QwestDex.Com (http://www.qwestdex.com) serves the U.S. and 411 Directory Services (http://www.411.ca) serves Canada. Matt reports that he found a car dealership in Lloydminster Alberta this way. Matt also gives a nod to a good list of weather radio stations. You can find that at http://members.home.net/mcsittel/nwstable.htm – and the "mcsittel" in the Web address is a dead give-away as to its gatekeeper. Great stuff, Matt! We'll close off with Niel Wolfish, a brand new WTFDA member but long-time DXer Toronto ON. Welcome to the club, Niel!

Formerly known as the MIT list of radio stations, Radio_Locator at

http://www.radio-locator.com/cgi-bin/home is a comprehensive radio station search engine, with links to more than 10,000 radio station web pages and over 2,500 audio streams from radio stations worldwide.

If you hear live sports coverage on the radio, two sports-related sites are among the most helpful on the Internet.

The first, MLB Team Radio Networks (http://www.geocities.com/baursam/mlb.html), will yield sports other than baseball. This is the baseball gateway, and you can surf to find hockey, football and other competitive endeavours.

Then there's John Skilton's Baseball Links. Go to http://www.baseball-links.com/links/Broadcast/Minor_League_Games for all kinds of baseball team broadcast information, whether for the Wisconsin Timber rattlers or the Rancho Cucamonga Quakes.

That's it for this month. What, you expected something definitive? Hah! We've just scratched the surface. There are at least a million ways to solve an unID, and we'll revisit this topic again, in a future column.

Meanwhile, we'd love to hear some of your wildest and weirdest success stories – especially concerning the PROCESS of solving unIDs – the different sites visited, e-mails dispatched, whatever it took to pin down that elusive catch. We'll print those we deem the most outrageous. Also, in future **wtfda://online** columns, we'll look at solving Spanish-language unIDs, forecasting DX, and much more. So, please send us hot tips, favourite sites, tricks of the trade, and suggestions about what we should be exploring at **wtfda://online**. Remember, it's YOUR column!

Until next time,

73s, Saul



A U.S. Television Chronology

(Reprinted and edited, with permission, from data assembled by Jeff Miller. This and other historic broadcast-related items can be found at http://members.aol.com/jeff560/jeff.html).

(This timeline of U. S. television broadcasting history is a work in progress. If you can suggest any improvements in this list, please send them to: <JeffM@sanctum.com>.)

27

Mar. 21, 1949. WTVJ(TV) Miami FL.

April 1949. KTLA Los Angeles broad-casts 27 hours and 30 minutes of live coverage of the effort to rescue 3 year old Kathy Fiscus, who had fallen into a well. The event gripped Los Angeles and spurred sales of TV sets in the city.

Apr. 3, 1949. WLWC Columbus OH, ch. 3 (later ch. 4).

Apr. 4, 1949. WKRC-TV Cincinnati OH, ch. 11 (later ch. 12).

May 1949. The first telethon, benefitting the Damon Runyon Cancer Fund, is hosted by Milton Berle. It aired for 24 hours.

May 5, 1949. KGO-TV San Francisco CA, ch. 7.

May 9, 1949. Broadcasting reports FCC authorizes NBC to operate a UHF station at Bridgeport CT for experimen-tal rebroadcasts of programs of WNBT New York.

May 16, 1949. KFMB-TV San Diego CA; Milton Berle appears on the covers of both Time and Newsweek.

May 22, 1949. WAFM-TV (WABT, WAPI-TV, WVTM) Birmingham AL.

May 30, 1949. WFBM-TV Indianapolis IN, ch. 6; Broadcasting reports longest direct TV pickup, 129 miles, is made by KFMB-TV San Diego during dedication when it got and rebroadcast salute from KTLA(TV) Los Angeles without special equipment of any kind.

June 1, 1949. KSL-TV Salt Lake City UT, ch. 5.

June 6, 1949. WKY-TV Oklahoma City OK, ch. 4.

June 11, 1949. WHAM-TV (WROC-TV) Rochester NY, ch. 6 (later ch. 5, and later in a trade to ch. 8).

June 27, 1949. Captain Video debuts on DuMont.

July 1, 1949. WBRC-TV Birmingham AL ch. 4 (to ch. 6 in 1953); WTCN-TV (WCCO-TV) Minneapolis-St. Paul MN, ch. 4.

July 10, 1949. WJAR-TV Providence RI, ch. 11 (moved to ch. 10 in May 1953).

July 11, 1949. FCC announces TV allocation plan; to add 42 UHF channels to the present 12 VHF channels, with another 23 to 28 UHF channels reserved for experimental television, thus providing for 2,245 TV stations in 1400 communities.

July 15, 1949. WBTV Charlotte, ch. 3.

July 26, 1949. WCPO-TV Cincinnati OH, ch. 7 (later ch. 9).

Aug. 15, 1949. WLAV-TV (WOOD-TV) Grand Rapids MI, ch. 7 (later ch. 8).

Aug. 25, 1949. RCA announces the development of a compatible color TV system.

Aug. 29, 1949. WOW-TV Omaha, ch. 6.

Aug. 30, 1949. WTVN-TV Columbus OH, ch. 6.

Sept. 1, 1949. KMTV Omaha NE, ch. 3.

Sept. 15, 1949. WMBR-TV (WJXT) Jacksonville FL, ch. 4; WJAC-TV Johnstown PA, ch. 13 (later ch. 6).

Sept. 16, 1949. KECA-TV (KABC-TV) Los Angeles, CA ch. 7.

Sept. 17, 1949. KBTV (WFAA-TV) Dallas TX, ch. 8.

Sept. 22, 1949. WFMY-TV Greensboro NC, ch. 2.

Oct. 5, 1949. WBNS-TV Columbus OH, ch. 10.

Oct. 5, 1949. WOR-TV (WWOR-TV) New York NY, ch. 9 (was W2XBB; later to Secaucus NJ). NOTE: An internet web page says the inaugural broadcast was Oct. 11 1949 at 7 p.m., with soprano Joan Roberts accompanied by an off-stage pianist in the 15-minute "Joan Roberts Show." That was followed by "Apartment 3C," a domestic com- edy starring John and Barbara Gay and the "John Reed King Show," sponsored by Flagstaff Foods, "The Handy Man," featuring Jack Creamer with tips for homemakers. Then "The Barry Gray Show" with guests Myron Cohen, Irving Caesar, Tony Canzoneri, the Di Castro Sisters and Hope Miller with interviews conducted from the roof studio at the New Amsterdam Theater.

Oct. 6, 1949. The Ed Wynn Show becomes the first regularly scheduled network show to broadcast from the West Coast, where it is seen live.

Oct. 14, 1949. WSAZ-TV Huntington WV airs test pattern on ch. 5. (Regular programming begins Oct. 24.) (Later ch. 3).

Oct. 16, 1949. WDAF-TV Kansas City MO, ch. 4.

Oct. 22, 1949. KOTV Tulsa OK, ch. 6.

Oct. 31, 1949. WOC-TV (KWQC) Davenport IA, ch 5 (later ch. 6).

Nov. 11, 1949. WTTV Bloomington-Indianapolis IN, ch. 10 (later ch. 4). This station is licensed to Sarkes Tarzian, manufacturer of tv studio and control equipment.

Nov. 15, 1949. KRON-TV San Francisco CA.

Dec. 1, 1949. WNBF-TV Binghamton NY, ch. 12; WKTV Utica NY, ch 13 (later ch. 2).

Dec. 3, 1949. KRLD-TV (KDFW-TV), Dallas TX, ch. 4.

Dec. 4, 1949. KPHO-TV Phoenix AZ, CH. 5.

Dec. 11, 1949. WOAI-TV San Antonio TX, ch. 4.

Dec. 19, 1949. WXEL (WJW-TV) (WJKW-TV) Cleveland OH, ch. 9 (later ch. 8).

Dec. 29, 1949. KC2XAK, first experi- mental UHF TV station operating on a regular basis is opened by NBC at Bridgeport CT on 529-535 MHz.

Feb. 2, 1950. What's My Line debuts on CBS.

(This extensive chronicle of the beginnings of television will continue next month here in $\square TV$ TIME $TUNNEL\square$.)

From Rich Wertman, Lockport NY

UPDATED CLOSEOUTS LIST SEPT 1 2001

WINEGARD ANTENNAS

WINEGARD PROSTAR WINEGARD WS5646 V/U/F 66" BOOM	\$40.00
WINEGARD PR-7052 V/U/F 179" BOOM	\$99.00
WINEGARD PR-5020 V/FM 96" BOOM	\$55.00
WINEGARD PR 5030 V/FM 120" BOOM	\$65.00
WINEGARD PR-5040 V/FM 175" BOOM	\$90.00
WINEGARD PR-9018 UHF YAGI 50" BOOM	\$25.00
WINEGARD PR-9018 OFF 1AGI SO BOOM WINEGARD PR-9022 UHF YAGI 80" BOOM	\$40.00
WINEGARD PR-9022 OHF YAGI 80 BOOM WINEGARD PR9032 UHF YAGI 115" BOOM	•
WINEGARD PR9032 OFF TAGE 113 BOOM	\$45.00
WINECARD CUROMETAR.	
WINEGARD CHROMSTAR:	A. 5. 0.0
WINEGARD CA-7210 GHOST KILLER 86" BOOM V/U/FM	\$45.00
WINEGARD CA 4053 110" BOOM V/FM	\$95.00
WINEOADD ELECTRONICO.	
WINEGARD ELECTRONICS:	
AMPLIFIERS AC LINE:	A 00.00
2- AC-0499 AMP CARTRIDGE (SAME AS 4990) 17.5 DB HOT	\$20.00
5- AC- 0982 AMP CARTRIDGE (SAME AS 9820) 24DB VHF/13 DB UHF	\$20.00
3- AC-0823 AMP CARTRIDGE (SAME AS 8230) 300 OHM	
5- AC-2950 AMP AND POWER SUPPLY 14.0 DB VHF LOW NOISE	\$35.00
9-AC-4230 AMP + POWER SUPPLY 13DB V/U/ 300 OHM LOW NOISE	•
1-AC-423B AMP PS FOR COLORTRON ANT V/U 13.0 DB 300 OHM	\$20.00
4-AC- 4950 AMP AND POWER SUPPLY 13.0 DB UHF ONLY 75 OHM 5- AC-4990 (THE HOT ONE) 17.5 DB UHF W POWER SUPPLY 75OHM	\$35.00
5- AC-4990 (THE HOT ONE) 17.5 DB UHF W POWER SUPPLY 750HM	\$35.00
8 -AC-9730 AMP+PS CHS 7-13 ONLY 24DB GAIN 75 0HM \$35.00 (GREAT F	OR HIGH BAND ARRAYS)
1-AC-9880 AMP+POWER SUPPLY 13DB VHF/17DBUHF 75 OHM	\$35.00
7 -AHO-100 CARTRIDGE HOUSING FOR AC AMPS 1 300 OHM INPUT	\$8.00
0. ALIO 000 0A DEDIDOE LIQUIONIO EOD AO AMBO 4 V/000 OLIMAINI/A LL 000	
3-AHO-200 CARTRIDGE HOUSING FOR AC AMPS 1 V/300 OHM IN/1 U 300	INPUT \$8.00
13-AHO-200 CARTRIDGE HOUSING FOR AC AMPS 1 V/300 OHM IN/1 U 300 13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75	
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75	
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75	
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OP STYLE AMPLIFIERS.	OHM \$10.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OHM 04 OHM OF STYLE AMPLIFIERS. 1 CP-3000 VHF 15.6 DB 300 OHM W/POWER SUPPLY	OHM \$10.00 \$20.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OHM 75 OHM 75 OHM 75 OHM 75 OHM 75 OHM 15-AMPLIFIERS. 1 CP-3000 VHF 15.6 DB 300 OHM W/POWER SUPPLY 3 CP-4300 UHF 15DB GAIN 300 OHM W/POWER SUPPLY	OHM \$10.00 \$20.00 \$20.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OHM 75 OHM 75 OHM 75 OHM 75 OHM 75 OHM 15-AMPLIFIERS. 1 CP-3000 VHF 15.6 DB 300 OHM W/POWER SUPPLY 3 CP-4300 UHF 15DB GAIN 300 OHM W/POWER SUPPLY 1 CP-4800 UHF 19DB GAIN 75 OHM W/POWER SUPPLY	OHM \$10.00 \$20.00 \$20.00 \$25.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OHM 0	OHM \$10.00 \$20.00 \$20.00 \$25.00 \$20.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OP STYLE AMPLIFIERS. 1 CP-3000 VHF 15.6 DB 300 OHM W/POWER SUPPLY 3 CP-4300 UHF 15DB GAIN 300 OHM W/POWER SUPPLY 1 CP-4800 UHF 19DB GAIN 75 OHM W/POWER SUPPLY 13 CP-8300 16DB VHF/UHF 300 OHM W/POWER SUPPLY 2 CP 3800 21 DB GAIN VHF 75 OHM W/ POWR SUPPLY	\$20.00 \$20.00 \$20.00 \$25.00 \$20.00 \$25.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OP STYLE AMPLIFIERS. 1 CP-3000 VHF 15.6 DB 300 OHM W/POWER SUPPLY 3 CP-4300 UHF 15DB GAIN 300 OHM W/POWER SUPPLY 1 CP-4800 UHF 19DB GAIN 75 OHM W/POWER SUPPLY 13 CP-8300 16DB VHF/UHF 300 OHM W/POWER SUPPLY 2 CP 3800 21 DB GAIN VHF 75 OHM W/ POWR SUPPLY 5 CPH 1 HOUSING FOR CP AMPS.	\$20.00 \$20.00 \$20.00 \$25.00 \$20.00 \$25.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OPTICLE TO THE TOTAL TOTAL TO THE TOTAL TO	\$20.00 \$20.00 \$20.00 \$25.00 \$20.00 \$25.00 \$8.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OP STYLE AMPLIFIERS. 1 CP-3000 VHF 15.6 DB 300 OHM W/POWER SUPPLY 3 CP-4300 UHF 15DB GAIN 300 OHM W/POWER SUPPLY 1 CP-4800 UHF 19DB GAIN 75 OHM W/POWER SUPPLY 13 CP-8300 16DB VHF/UHF 300 OHM W/POWER SUPPLY 2 CP 3800 21 DB GAIN VHF 75 OHM W/ POWR SUPPLY 5 CPH 1 HOUSING FOR CP AMPS. GA AMPLIFIERS (COMES W/ OWN HOUSING) 6 GA-3000 VHF 15 DB 300 OHM W/POWER SUPPLY	\$20.00 \$20.00 \$20.00 \$25.00 \$20.00 \$25.00 \$8.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OPTICLE TO THE TOTAL TOTAL TOTAL TOTAL TOTAL TO THE TOTAL T	\$20.00 \$20.00 \$20.00 \$25.00 \$20.00 \$25.00 \$8.00 \$25.00 \$30.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OPTILITIERS." 1 CP-3000 VHF 15.6 DB 300 OHM W/POWER SUPPLY 3 CP-4300 UHF 15DB GAIN 300 OHM W/POWER SUPPLY 1 CP-4800 UHF 19DB GAIN 75 OHM W/POWER SUPPLY 13 CP-8300 16DB VHF/UHF 300 OHM W/POWER SUPPLY 2 CP 3800 21 DB GAIN VHF 75 OHM W/ POWR SUPPLY 5 CPH 1 HOUSING FOR CP AMPS . GA AMPLIFIERS (COMES W/ OWN HOUSING) 6 GA-3000 VHF 15 DB 300 OHM W/POWER SUPPLY 3 GA-3700 VHF 15 DB 75 OHM W/ POWER SUPPLY 2 GA-4700 UHF 15 DB 75 OHM W/POWER SUPPLY	\$20.00 \$20.00 \$20.00 \$25.00 \$20.00 \$25.00 \$8.00 \$25.00 \$30.00 \$30.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OPTILITIES O	\$20.00 \$20.00 \$20.00 \$25.00 \$20.00 \$25.00 \$8.00 \$30.00 \$30.00 \$30.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OPTILITIERS." 1 CP-3000 VHF 15.6 DB 300 OHM W/POWER SUPPLY 3 CP-4300 UHF 15DB GAIN 300 OHM W/POWER SUPPLY 1 CP-4800 UHF 19DB GAIN 75 OHM W/POWER SUPPLY 13 CP-8300 16DB VHF/UHF 300 OHM W/POWER SUPPLY 2 CP 3800 21 DB GAIN VHF 75 OHM W/ POWR SUPPLY 5 CPH 1 HOUSING FOR CP AMPS . GA AMPLIFIERS (COMES W/ OWN HOUSING) 6 GA-3000 VHF 15 DB 300 OHM W/POWER SUPPLY 3 GA-3700 VHF 15 DB 75 OHM W/ POWER SUPPLY 2 GA-4700 UHF 15 DB 75 OHM W/POWER SUPPLY	\$20.00 \$20.00 \$20.00 \$25.00 \$20.00 \$25.00 \$8.00 \$25.00 \$30.00 \$30.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM CP STYLE AMPLIFIERS. 1 CP-3000 VHF 15.6 DB 300 OHM W/POWER SUPPLY 3 CP-4300 UHF 15DB GAIN 300 OHM W/POWER SUPPLY 1 CP-4800 UHF 19DB GAIN 75 OHM W/POWER SUPPLY 13 CP-8300 16DB VHF/UHF 300 OHM W/POWER SUPPLY 2 CP 3800 21 DB GAIN VHF 75 OHM W/ POWR SUPPLY 5 CPH 1 HOUSING FOR CP AMPS. GA AMPLIFIERS (COMES W/ OWN HOUSING) 6 GA-3000 VHF 15 DB 300 OHM W/POWER SUPPLY 3 GA-3700 VHF 15 DB 75 OHM W/ POWER SUPPLY 2 GA-4700 UHF 15 DB 75 OHM W/POWER SUPPLY 9 GA-8300 16 DB VHF/UHF 300 OHM W/POWER SUPPLY 4 GA-8800 27DB VHF/26 DB UHF 75OHM W/PS	\$20.00 \$20.00 \$20.00 \$25.00 \$20.00 \$25.00 \$8.00 \$30.00 \$30.00 \$30.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OPM	\$20.00 \$20.00 \$25.00 \$25.00 \$25.00 \$8.00 \$30.00 \$30.00 \$30.00 \$35.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OPTIVE AMPLIFIERS. 1 CP-3000 VHF 15.6 DB 300 OHM W/POWER SUPPLY 3 CP-4300 UHF 15DB GAIN 300 OHM W/POWER SUPPLY 1 CP-4800 UHF 19DB GAIN 75 OHM W/POWER SUPPLY 13 CP-8300 16DB VHF/UHF 300 OHM W/POWER SUPPLY 2 CP 3800 21 DB GAIN VHF 75 OHM W/ POWR SUPPLY 5 CPH 1 HOUSING FOR CP AMPS. GA AMPLIFIERS (COMES W/ OWN HOUSING) 6 GA-3000 VHF 15 DB 300 OHM W/POWER SUPPLY 2 GA-4700 UHF 15 DB 75 OHM W/ POWER SUPPLY 9 GA-8300 16 DB VHF/UHF 300 OHM W/POWER SUPPLY 4 GA-8800 27DB VHF/26 DB UHF 75OHM W/PS DISTRIBUTION AMPS+POST AMPS 5 BA 3082 BK OF SET VHF/UHF AMP 12 DB	\$20.00 \$20.00 \$25.00 \$25.00 \$25.00 \$8.00 \$30.00 \$30.00 \$30.00 \$35.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OPTIME TO STATE TO ST	\$20.00 \$20.00 \$20.00 \$25.00 \$20.00 \$25.00 \$8.00 \$30.00 \$30.00 \$30.00 \$30.00 \$310.00 \$10.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OPTICLE TO THE TOP TO THE TO THE TOP TO THE	\$20.00 \$20.00 \$20.00 \$25.00 \$20.00 \$25.00 \$8.00 \$30.00 \$30.00 \$30.00 \$30.00 \$310.00 \$10.00 \$10.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OPTIME TO STYLE AMPLIFIERS. 1 CP-3000 VHF 15.6 DB 300 OHM W/POWER SUPPLY 3 CP-4300 UHF 15DB GAIN 300 OHM W/POWER SUPPLY 1 CP-4800 UHF 19DB GAIN 75 OHM W/POWER SUPPLY 13 CP-8300 16DB VHF/UHF 300 OHM W/POWER SUPPLY 2 CP 3800 21 DB GAIN VHF 75 OHM W/POWER SUPPLY 5 CPH 1 HOUSING FOR CP AMPS. GA AMPLIFIERS (COMES W/ OWN HOUSING) 6 GA-3000 VHF 15 DB 300 OHM W/POWER SUPPLY 2 GA-4700 UHF 15 DB 75 OHM W/POWER SUPPLY 9 GA-8300 16 DB VHF/UHF 300 OHM W/POWER SUPPLY 4 GA-8800 27DB VHF/26 DB UHF 75OHM W/PS DISTRIBUTION AMPS+POST AMPS 5 BA 3082 BK OF SET VHF/UHF AMP 12 DB 1-BC-830 300 OHM 12DB V/5 DB U AMP. 3-BC-8335 2 SET 300 OHM 12V/5 UHF 1 BC-CATV 1 SET 50-300 MHZ 12 DB GN 75 0	\$20.00 \$20.00 \$20.00 \$25.00 \$25.00 \$25.00 \$8.00 \$30.00 \$30.00 \$30.00 \$35.00 \$10.00 \$10.00 \$10.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OPTIVE AMPLIFIERS. 1 CP-3000 VHF 15.6 DB 300 OHM W/POWER SUPPLY 3 CP-4300 UHF 15DB GAIN 300 OHM W/POWER SUPPLY 1 CP-4800 UHF 19DB GAIN 75 OHM W/POWER SUPPLY 13 CP-8300 16DB VHF/UHF 300 OHM W/POWER SUPPLY 2 CP 3800 21 DB GAIN VHF 75 OHM W/POWER SUPPLY 5 CPH 1 HOUSING FOR CP AMPS. GA AMPLIFIERS (COMES W/ OWN HOUSING) 6 GA-3000 VHF 15 DB 75 OHM W/POWER SUPPLY 2 GA-4700 UHF 15 DB 75 OHM W/POWER SUPPLY 9 GA-8300 16 DB VHF/UHF 300 OHM W/POWER SUPPLY 4 GA-8800 27DB VHF/26 DB UHF 75OHM W/PS DISTRIBUTION AMPS+POST AMPS 5 BA 3082 BK OF SET VHF/UHF AMP 12 DB 1-BC-830 300 OHM 12DB V/5 DB U AMP. 3-BC-8335 2 SET 300 OHM 12V/5 UHF 1 BC-CATV 1 SET 50-300 MHZ 12 DB GN 75 0 1-DA-203 16 DB VHF 300 OHM AMP	\$20.00 \$20.00 \$25.00 \$25.00 \$25.00 \$8.00 \$30.00 \$30.00 \$30.00 \$30.00 \$310.00 \$10.00 \$10.00 \$10.00 \$10.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OPTILITIES O	\$20.00 \$20.00 \$20.00 \$25.00 \$25.00 \$8.00 \$30.00 \$30.00 \$30.00 \$30.00 \$310.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00 \$10.00
13-AHO-300 CARTRIDGE HOUSING FOR AC AMPS " "75 OHM 75 OPTIVE AMPLIFIERS. 1 CP-3000 VHF 15.6 DB 300 OHM W/POWER SUPPLY 3 CP-4300 UHF 15DB GAIN 300 OHM W/POWER SUPPLY 1 CP-4800 UHF 19DB GAIN 75 OHM W/POWER SUPPLY 13 CP-8300 16DB VHF/UHF 300 OHM W/POWER SUPPLY 2 CP 3800 21 DB GAIN VHF 75 OHM W/POWER SUPPLY 5 CPH 1 HOUSING FOR CP AMPS. GA AMPLIFIERS (COMES W/ OWN HOUSING) 6 GA-3000 VHF 15 DB 75 OHM W/POWER SUPPLY 2 GA-4700 UHF 15 DB 75 OHM W/POWER SUPPLY 9 GA-8300 16 DB VHF/UHF 300 OHM W/POWER SUPPLY 4 GA-8800 27DB VHF/26 DB UHF 75OHM W/PS DISTRIBUTION AMPS+POST AMPS 5 BA 3082 BK OF SET VHF/UHF AMP 12 DB 1-BC-830 300 OHM 12DB V/5 DB U AMP. 3-BC-8335 2 SET 300 OHM 12V/5 UHF 1 BC-CATV 1 SET 50-300 MHZ 12 DB GN 75 0 1-DA-203 16 DB VHF 300 OHM AMP	\$20.00 \$20.00 \$25.00 \$25.00 \$25.00 \$8.00 \$30.00 \$30.00 \$30.00 \$30.00 \$310.00 \$10.00 \$10.00 \$10.00 \$10.00

ANTENNA COUPLERS AND COMBINERS!!

10-SD33 TWO ANTENNA 300 OHM OUTDOOR COUPLER\$ 7.00 (FOR STACKING 2 300 OHM ANTS)

9 CA-FMB TV ANT /FM ANT 300 OHM COUPLER \$ 7.00

11 CA-314 VHF/UHF/ FM ANT 300 OHM COUPLER TO 1 DOWN LEAD \$7.00

36-CC-782 TWO ANTENNA COUPLER 300OHM INPUTS 75OHM DOWNLEAD \$8.00

6-TV-482 4 WAY ANTENNA CUPLR 300 OHM \$8.00 (COUPLES 4 300 OHM ANTENNA 4 QUAD STACK)

TRAPS AND RELATED ITEMS!!!!

2- T273F BACK OF SET INTERFERENCE FILTER FOR CB	\$4.00
2-T283FM BACK OF SET FM TRAP –20DB	\$4.00
2-TAC-713 HIGH BAND 7-13 SOUND TRAP -10DB HI-Q INDOOR	\$25.00
1 TAC-753	
4 TFM-3 ENTIRE FM BAND TRAP – 25 DB	\$15.00
2 TR3-713 OUTDOOR 3 IND TRAPS FOR 7-13 12 EACH 3 OR 20 DB TUNED	TO 1 CH.\$25.00
2 TRT-HI –15 DB HGH BAND TRAP HIGH Q INDOOR	\$25.00
4-TRT-LO –12 DB HI-Q INDOOR LOW BAND TRAP	\$25.00
6 TSC-553 CH 5 OUTDOOR TRAP – 30 DB	\$10.00
17-UT-2300 OUTDOOR UHF TRAP -8.5 DB 2 CHS /-15DB 1 CH 300 OHM	\$15.00
11-UT-2700 OUTDOOR TRAP "" "" " " 75 OHM	\$15.00

WINEGARD AP SERIES AMPLIFIERS.

3-AP-3800 VHF 29DB AMPLIFIER	\$ 35.00
2 –AP-3700 VHF AMPLIFIER 17DB GAIN	\$35.00
1 AP-4800 UHF AMPLIFIER 29DB GAIN	\$35.00
1-AP-4700 UHF AMPLIFIER 17 DB GAIN	\$35.00
4- AP-8833 300 OHM DUAL INPUT/1 75 OUTPUT V 29/U17	\$35.00
3- AP8783 1 300 IN 1 75OHM DOWN V17 DB/U 29	\$35.00
2 –AP-2870 DUAL INPUT V17/U 19 DB	\$35.00
1-AP2880 DUAL IN V29DB/U 19DB	\$35.00
2 AP-8800 V29/U19	\$35.00
2 AP-8733 75OHM DUAL IN V/17/U 19	\$35.00
1 AP-8703 300IN /75 DOWN V17/U19	

CHANNEL MASTER

1-0059 C SPARTAN AMPLIFIER 21DB VHF	\$35.00
1-0071C UHF QUANTUM CARTRIDGE STYLE AMP 17 DB	\$30.00
2-7476 SUPER TITAN VHF/FM COMMERCIAL AMP 33DBGAIN	\$55.00

ANTENNAS:

1-3025 CM STEREO PROBE 9 138" SUPER FM	\$99.95
2-3026 CM TURNSTYLE OMNI FM ANT	\$17.50
6-3015 ADVANTAGE 52" V/U/FM	\$30.00
10-3016 ADVANTAGE 66" V/U/FM	\$35.00

ANTENNACRAFT:

6-CS-700 VHF/FM LOG 80" BOOM	\$17.00
8-AC-9 ATTIC ANTENNA V/U/FM 30"	\$12.50
1- Y102-6 LOWBAND ANT 150" BOOM	\$30.00

ROTORS:

CHANNEL MASTER 9510 STD ROTOR (GREAT FOR E SKIP) :	\$65.00
CHANNEL MASTER 9515 HD ROTOR	\$112.50
CHANNEL MASTER 9521 REMOTE CONTROL ROTOR	\$99.95
CHANNEL MASTER REMOTE ONLY NO MOTOR	\$79.95
RCA STD DUTY 3 WIRE ROTOR PKG.	\$55.00
PHILLIPS HD 3 WIRE ROTOR PKG.	\$65.00.

ALL ABOVE ITEMS DO NOT INCLUDE UPS SHIPPING! SOME LIMITED QUANITY'S!

CONTACT: RICH WERTMAN 6150 CROSBY RD. LOCKPORT, N.Y. 14094

716-433-0805 DAY 716-434-5086 NITE

<u>rwantsat@localnet.com</u> **orders** <u>rwsvcinc@localnet.com</u> **questions or chat.**

R(B)DS PI Codes - Decoding them

D. Smith - 19 July 2001

For years, European FM DXers have been reaping the benefits of automatic identification of their DX through the RDS datastream. Recently, thanks to the efforts of several people here in North America (notably Bill Nollman), American DXers have discovered the value of these data transmissions.

RDS stands for "Radio Data System". For some reason, when the European RDS standard was modified for adoption in North America, the word "Broadcast" was added to make it RBDS. RBDS is not technically identical to European RDS, but it's close enough.

In this standard, various "packets" of data, at a data rate of 1187.5bps, are transmitted on a 57KHz subcarrier. For every 16-bit data "payload", there is a 10-bit "checkword" which allows the receiver to determine whether the packet was received correctly. In some circumstances, it seems possible to actually fix errors in transmission. There does seem to be some evidence that some RBDS decoders do not verify the checkword.

Most of you have heard FM subcarriers before; stereo FM uses a 38KHz subcarrier to add stereo information to the monophonic main signal. Thanks to Dr. Bruce Elving's efforts, many members are also quite familiar with SCA/SCMO subcarriers at 67 and 92KHz. The RBDS system is similar to the private data subcarriers frequently encountered at 67/92KHz, but the data format is much better defined - and you, the DXer, can decode it.

(Why 57KHz? It's 3 times the stereo pilot frequency of 19KHz, or exactly 1.5 times the 38KHz stereo subcarrier. Why is the data rate 1187.5bps instead of the seemingly more sensible 1200bps? 1187.5 is exactly 1/48 of the 57KHz subcarrier frequency. This makes it easier to reliably "lock" RBDS decoders to the encoders at the station - especially since the RBDS data stream has no "start" codes to synchronize things.)

The RBDS system calls for several types of message. The most important to the average consumer is probably the Program Service (PS) code. This code is supposed to be transmitted about once per second. It contains the name of the station - often, the call letters, but if a slogan is used on the air the same slogan often appears in the PS code. Some others of interest to the consumer include the Program Type (PTY) code (about 11 times a second) which indicates roughly what the station's format is; the Radiotext (RT) message (about once every 5 seconds) which can contain pretty much any text the station wants; and the Alternative Frequency (AF) codes (about 4 times a second) which inform the receiver of other frequencies on which the same station broadcasts. "Smart" receivers can use the AF codes to automatically tune to a stronger translator if you drive into a dead spot for the main transmitter.

The message that's most important to the *DXer* is the Program Identification, or PI, code. The PI code is unique to each station; receiving a particular PI code is essentially the same thing as hearing a legal ID. The PI code, like the PTY, is sent approximately 11 times a second.

Note that the PI code is sent 11 times as often as the PS and over 50 times as often as the radiotext. During heavy interference or a very short meteor burst, it is far more likely that one of the PI code bursts will get through. Better, more stable openings will be necessary to receive the PS, and especially the RT.

European DXers have long kept databases of PI codes. A Dxer receiving a station on 94.3MHz with PI=5735 can look up that PI code on the Internet and know that it comes from, say, Radio Fredonia.

Here in the U.S., when RBDS interest began to grow, we also began keeping lists of PI codes. There did not appear to be any obvious correlation between a station and its PI code. I did some digging around on the Internet, and found an interesting document on the website

of the National Association of Broadcasters. If you have Adobe Acrobat Reader, you can read it for yourself on http://www.nab.org/scitech/rbds1998.pdf.

As it turns out, in the United States there is a one-to-one relationship between PI codes and station call letters. If you receive a PI code, you can calculate which station transmitted it

A PI code is a four-digit "hexidecimal" number. In school, you may have learned about the different number bases. In the base 10 system we normally use in everyday life, the rightmost digit is the number of units - 10 to the 0th power. The next rightmost is the number of tens - 10 to the 1st power. Then, the number of hundreds - 10 to the 2nd power. And so on. In the binary number system, the rightmost digit is the number of units - this time, 2 to the 0th. Then, the number of twos - 2 to the 1st - then the number of fours - 2 to the 2nd - etc., etc..

"Hexidecimal" is a fancy word for "base 16". In the "hex" number 7106, 6 is the number of units. There are no 16s (16^1), 1 256 (16 to the second power), and 7 4096s. (16 to the third power) Converting to decimal, you get:

(incidentially, there's an easier way to do this if you have Windows.. Click "Start", "Programs", "Accessories", "Calculator". Click "View", "Scientific". Click in the circle next to "Hex", and enter the hex number in the window above "Gradients". Click in the circle next to "Dec", and the number in the window is automatically converted to decimal.)

Something I've glossed over is what's done with the "extra" digits. In the base 10 number system, there are 10 possible digits: 0123456789. In the base 2 number system, there are 2 possible digits: 01. In base 16, there are 16 possible digits. We can call the first ten 0123456789, but what about the other six? We start using the alphabet. So the sixteen possible digits in the hexidecimal system are 0123456789abcdef. 21C7 is a valid hexidecimal number. (and it's equal to 8647 in base 10).

The NAB assigned the PI code 1000 hex to the callsign KAAA. KAAB gets 1001, KAAC gets 1002, etc.. KZZZ works out to 54A7, so WAAA gets 54A8; WAAB 54A9, etc.. There are a couple of exceptions to this orderly arrangement. For technical reasons too complicated to go into here (but explained in the NAB Web document) codes with 0 in the second digit like 80A3, and codes with 00 as the last two digits like 5300, don't work reliably.

If the alphabetical system assigns a station 80A3, the zero is removed, the first digit moved one place to the right, and an A inserted as the first digit. 80A3 becomes A8A3. If the alphabetical system assigns 5300, *both* zeros are removed. The first two digits are shifted to the end, and AF inserted as the first two digits. 5300 becomes AF53.

There are a handful of other exceptions. First, three-letter callsigns. These of course don't map into the four-letter alphabetical system the NAB set up. The codes between 9950 and 9EFF have been reserved for these callsigns, and a specific lookup table has been established. KGO is 9954, WSM 99A4, etc.. For the most part, only three-letter calls that actually exist are in the table - though for some reason, the calls KBW, KCY, and KDF appear. To my knowledge these calls have *never* been assigned to broadcast stations. They have, however, been used as slogans by low-power TV stations and my bet is that's what's going on here.

In some circumstances, it's desirable for several transmitters carrying a common program to use the same PI code. (it is, after all, *Program* Information, not *Station* or *Transmitter* Information) All codes beginning with B, D, and E have been reserved for multistation networks.

Finally, our neighbors on the continent cannot be left out. Codes beginning with C are reserved for Canada, and those beginning with F for Mexico. (Concluded next month)

Name		_
Address		Apt #
City	State	Zip
Country	Interests: TV () FM	() 30-50()
email address		
Renew me for 1 year	ar () Renew me for 2	2 years () More ()
\$38 to Mail your dues t And	s \$24 to US addresses, \$26 to the rest of the world (payable) to: WTFDA, P.O. Box 501, Sod thanks for your support of thanks for your support of the with your dues or make a communication.	le in U.S. Funds) comersville, CT USA 06072 If the WTFDA!

EDITORS AND SUBMISSIONS

Send your reports and station info to these folks..

THE MAILBOX and all general club correspondence:

Mike Bugaj at WTFDA, PO Box 501, Somersville, CT 06072 mbugaj@snet.net SATELLITE NEWS

George Jensen, 4604 Antana Ave., Baltimore, MD 20206-4220

TV NEWS

Doug Smith, 1385 Old Clarksville Pike, Pleasant View, TN 37146-8098 w9wi@w9wi.com FM NEWS

Greg Coniglio, 90 Slate Creek Dr.,Apt#3, Cheektowaga, NY coniglio 14227 coniglio@adelphia.net PHOTO NEWS

Jeff Kruszka, 5024 S. Braxton Ave., Baton Rouge, LA 70817 jkruszka@bellsouth.net **TV TIME TUNNEL**

Tom Bryant, 849 Todd Preis Dr., Nashville, TN 37221-2607 tjbdx@home.com

EASTERN TV DX

Matt Sittel, 15013 Eureux Circle, Bellevue, NE 68123 mcsittel@home.com WESTERN TV DX

Victor Frank, 12450 Skyline Blvd., Woodside, CA 94062-4554 frank@horizon.sri.com
SOUTHERN FM

John Zondlo, 4889 Driftwood Cir., Yukon, OK 73099 jpzondlo@msn.com NORTHERN FM

Keith McGinnis, 387 Shirley Street, Winthrop, MA 02152 longwave@mediaone.net WTFDA://ONLINE

Saul Chernos, 57 Berkeley St., Toronto, ON M5A 2W5 schernos@sympatico.ca